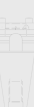


BORING TOOLS / OUTILS D'ALÉSAGE

	D	a	Description	Code / Série	Page
		12 - 25,9	3D	TWIST SPEED Head changeable Drill 3D Ø12,0-Ø25,9 Z=3 (B) Foret à embout 3D Ø12,0-Ø25,9 Z=3 (B)	374
		12 - 25,9	3D	TWIST SPEED Head changeable Drill 3D Ø12,0-Ø25,9 Z=3 (A) Foret à embout 3D Ø12,0-Ø25,9 Z=3 (A)	375
		12 - 25,9	5D	TWIST SPEED Head changeable Drill 5D Ø12,0-Ø25,9 Z=3 (B) Foret à embout 5D Ø12,0-Ø25,9 Z=3 (B)	376
		12 - 25,9	5D	TWIST SPEED Head changeable Drill 5D Ø12,0-Ø25,9 Z=3 (A) Foret à embout 5D Ø12,0-Ø25,9 Z=3 (A)	377
		12 - 25,9	8D	TWIST SPEED Head changeable Drill 8D Ø12,0-Ø25,9 Z=3 (A) Foret à embout 8D Ø12,0-Ø25,9 Z=3 (A)	378
		12 - 25	8D	TWIST SPEED Head changeable Drill 8D Ø12,0-Ø25,9 Z=3 (B) Foret à embout 8D Ø12,0-Ø25,9 Z=3 (B)	379
		4 - 12	3D	SOLID DRILL Solid Carbide Drill 3D Z=3 Ø4,0-12,0 Foret carbure monobloc 3D Z=3 Ø4,0-12,0	382
		4 - 12	5D	SOLID DRILL Solid Carbide Drill 5D Z=3 Ø4,0-12,0 Foret carbure monobloc 5D Z=3 Ø4,0-12,0	383
		4 - 12	8D	SOLID DRILL Solid Carbide Drill 8D Z=3 Ø4,0-12,0 Foret carbure monobloc 8D Z=3 Ø4,0-12,0	384
		4 - 12	3D	SOLID DRILL Solid Carbide Drill 3D Z=3 Ø4,0-12,0 (flat ground) Foret carbure monobloc 3D Z=3 Ø4,0-12,0 (fond plat)	385
		4 - 12	5D	SOLID DRILL Solid Carbide Drill 5D Z=3 Ø4,0-12,0 (flat ground) Foret carbure monobloc 5D Z=3 Ø4,0-12,0 (fond plat)	386
		4 - 5,9	3D	GOLD TWIST Head changeable Drill 3D Ø4,0-Ø5,9 (A) Foret à embout 3D Ø4,0-Ø5,9 (A)	387
		4 - 5,9	5D	GOLD TWIST Head changeable Drill 5D Ø4,0-Ø5,9 (A) Foret à embout 5D Ø4,0-Ø5,9 (A)	388
		6 - 25,9	1,5D	GOLD TWIST Head changeable Drill 1,5D Ø6,0-Ø25,9 Foret à embout 1,5D Ø6,0-Ø25,9	389

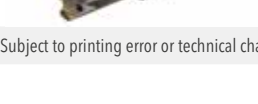
Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

BORING TOOLS / OUTILS D'ALÉSAGE

	D	a	Description	Code / Série	Page
	6 - 25,9	3D	GOLD TWIST Head changeable Drill 3D Ø6,0-Ø25,9 Foret à embout 3D Ø6,0-Ø25,9		390
	6 - 25,9	5D	GOLD TWIST Head changeable Drill 5D Ø6,0-Ø25,9 Foret à embout 5D Ø6,0-Ø25,9		391
	7 - 25,9	8D	GOLD TWIST Head changeable Drill 8D Ø7,0-Ø25,9 Foret à embout 8D Ø7,0-Ø25,9		392
	6 - 25,9	8D	GOLD TWIST Head changeable Drill 8D Ø6,0-Ø25,9 (A) Foret à embout 8D Ø6,0-Ø25,9 (A)		393
	8 - 25,9	12D	GOLD TWIST Head changeable Drill 12D Ø8,0-Ø25,9 Foret à embout 12D Ø8,0-Ø25,9		394
	6,5 - 25,9	-	GOLD TWIST Head changeable chamfer Drill Foret à embout pour avant trou de taraudage		395
	10,2 - 21	2,5D	GOLD TWIST Head changeable step drill 2,5D 2,5D		396
	6 - 20,9	3D	WIN TWIST Head changeable Drill 3D ...X Ø6,0-Ø20,9 Foret à embout 3D ...X Ø6,0-Ø20,9		403
	6 - 10,4	2D	WIN TWIST Head changeable Drill 2D...T Ø6,0-Ø10,4 Foret à embout 2D...T Ø6,0-Ø10,4		404
	10,0 - 25,9	-	DEEP TWIST Indexable Gun Drill Ø10-25,9 Foret long goujure droite Ø10-25,9		409
	-	-	DEEP TWIST Sleeve with thread connection Manchon avec raccord fileté		410
	-	-	DEEP TWIST Sleeve with thread connection Weldon Manchon weldon avec raccord fileté		410
	20 - 41	3D	SPADE TWIST Head changeable Drill 3D Ø20,0-Ø41,0 Foret à lame 3D Ø20,0-Ø41,0		416
	20 - 41	5D	SPADE TWIST Head changeable Drill 5D Ø20,0-Ø41,0 Foret à lame 5D Ø20,0-Ø41,0		417

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BORING TOOLS / OUTILS D'ALÉSAGE

	D	a	Description	Code / Série	Page
	20 - 41	8D	SPADETWIST Head changeable Drill 8D Ø20,0-Ø41,0 Foret à lame 8D Ø20,0-Ø41,0		418
	-	3D	GOLDTWIN Modular drill holder 3D Corps foret modulaire 3D		420
	-	5D	GOLDTWIN Modular drill holder 5D Corps foret modulaire 5D		421
	-	7D	GOLDTWIN Modular drill holder 7D Corps foret modulaire 7D		422
	26 - 50	-	GOLDTWIN Modular drill head Ø26 - Ø50 Tête de perçage modulaire Ø26 - Ø50		424
	12 - 26	2D	QUADTWIST Indexable Drill 2D Ø12 - Ø26 Foret à Plaquettes 2D Ø12 - Ø26		428
	27 - 50	2D	QUADTWIST Indexable Drill 2D Ø27 - Ø50 Foret à Plaquettes 2D Ø27 - Ø50		430
	12 - 26	3D	QUADTWIST Indexable Drill 3D Ø12 - Ø26 Foret à Plaquettes 3D Ø12 - Ø26		432
	26,5 - 50,5	3D	QUADTWIST Indexable Drill 3D Ø26,5 - Ø50,5 Foret à Plaquettes 3D Ø26,5 - Ø50,5		434
	12 - 26	4D	QUADTWIST Indexable Drill 4D Ø12 - Ø26 Foret à Plaquettes 4D Ø12 - Ø26		436
	27 - 50	4D	QUADTWIST Indexable Drill 4D Ø27 - Ø50 Foret à Plaquettes 4D Ø27 - Ø50		438
	12 - 26	5D	QUADTWIST Indexable Drill 5D Ø12 - Ø26 Foret à Plaquettes 5D Ø12 - Ø26		440
	27 - 50	5D	QUADTWIST Indexable Drill 5D Ø27 - Ø50 Foret à Plaquettes 5D Ø27 - Ø50		442
	51 - 80	2D	QUADTWIST Cartridge Indexable Drill 2D Ø51 - Ø80 Foret à cartouches 2D Ø51 - Ø80		444

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

BORING TOOLS / OUTILS D'ALÉSAGE

	D	a	Description	Code / Série	Page
	51 - 80	3D	QUADTWIST Cartridge Indexable Drill 3D Ø51 - Ø80 Foret à cartouches 3D Ø51 - Ø80		446
	51 - 80	4D	QUADTWIST Cartridge Indexable Drill 4D Ø51 - Ø80 Foret à cartouches 4D Ø51 - Ø80		448
	13 - 29	2D	QUADDRIILL Indexable Drill 2D Ø13-Ø29 Foret à Plaquettes 2D Ø13-Ø29		450
	30 - 50	2D	QUADDRIILL Indexable Drill 2D Ø30-Ø50 Foret à Plaquettes 2D Ø30-Ø50		452
	12,5 - 27,5	3D	QUADDRIILL Indexable Drill 3D Ø12,5-Ø27,5 Foret à Plaquettes 3D Ø12,5-Ø27,5		454
	28 - 50,5	3D	QUADDRIILL Indexable Drill 3D Ø28-Ø50,5 Foret à Plaquettes 3D Ø28-Ø50,5		456
	51 - 60	3D	QUADDRIILL Indexable drill 3D Ø51 - Ø60 Foret à Plaquettes 3D Ø51 - Ø60		458
	13 - 29	4D	QUADDRIILL Indexable Drill 4D Ø13-Ø29 Foret à Plaquettes 4D Ø13-Ø29		460
	30 - 50	4D	QUADDRIILL Indexable 4D Ø30-Ø50 Foret à Plaquettes 4D Ø30-Ø50		462
	13 - 27	5D	QUADDRIILL Indexable drill 5D Ø13 - Ø27 Foret à Plaquettes 5D Ø13 - Ø27		464
	28 - 50	5D	QUADDRIILL Indexable drill 5D Ø28 - Ø50 Foret à Plaquettes 5D Ø28 - Ø50		466
	51 - 80	2,5D	QUADDRIILL Cartridge Indexable Drill 2,5D Ø51 - Ø80 Foret à cartouches 2,5D Ø51 - Ø80		468
	51 - 80	3,5D	QUADDRIILL Cartridge Indexable Drill 3,5D Ø51 - Ø80 Foret à cartouches 3,5D Ø51 - Ø80		470
	16 - 40	1D	QUADDRIILL Counterboring Mill 15S1...W Fraise à Percer - Rainurer 15S1...W		472

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

BORING TOOLS / OUTILS D'ALÉSAGE

	D	a	Description	Code / Série	Page
	10 - 48	1D	QUADDRILL Counterboring End Mill 15C1...W Fraise à lamer et trefler 15C1...W		474
	15 - 48	1D	QUADDRILL Counterboring End Mill 15C1...X Fraise à lamer et trefler 15C1...X		476
	10 - 11,5	10/15/25D	DEEPTRIO Gun Drill GT_ 10/15/25D Ø10-11,5 Foret 3/4 GT_ 10/15/25D Ø10-11,5		478
	12 - 18	10/15/25D	DEEPTRIO Gun Drill GT_ 10/15/20/25D Ø12-18,0 Foret 3/4 GT_ 10/15/20/25D Ø12-18,0		480
	18,5 - 28	10/15/25D	DEEPTRIO Gun Drill GT_ 10/15/25D Ø18,5-28 Foret 3/4 GT_ 10/15/25D Ø18,5-28		482
	29 - 32	10/20D	DEEPTRIO Gun Drill GT_ 10/20D Ø29-32 Foret 3/4 GT_ 10/20D Ø29-32		484
	14 - 18	-	DEEPTRIO Gun Drill GTA_ 25D Ø14-18,0 Foret 3/4 GTA_ 25D Ø14-18,0		485
	18,5 - 28	-	DEEPTRIO Gun Drill GTA_ 25D Ø18,5-28,0 Foret 3/4 GTA_ 25D Ø18,5-28,0		486
	15 - 24	-	DEEPTRIO Gun Drill GTA_ >65D Ø15-24,0 Foret 3/4 GTA_ >65D Ø15-24,0		488
	-	3/5D	QWIKREAM Holder reaming head S - 3D / 5D (RB1) Corps pour alésoirs à embouts S - 3D / 5D (RB1)		490
	-	3/5/D	QWIKREAM Holder reaming head S - 3D / 5D (RT1) Corps pour alésoirs à embouts S - 3D / 5D (RT1)		491
	8,000 - 12,000	-	QWIKREAM Reaming head XSA Ø 8,0 - 12,0 mm Tête d'alésage à goujure droite XSA_ pour trous borgnes		492
	8,000 - 12,000	-	QWIKREAM Reaming head XLB Ø 8,0 - 12,0 mm Tête d'alésage à goujure hélicoïdale XLB_ pour trous débouchants		492
	-	1,5-8D	QWIKREAM Holder reaming head 1,5D / 3D / 5D / 8D Corps pour alésoirs à embouts 1,5D / 3D / 5D / 8D		493

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

BORING TOOLS / OUTILS D'ALÉSAGE

	D	a	Description	Code / Série	Page
	11,501 - 32,000	-	QWIKREAM Reaming head XLB_ tête d'alésage à goujure hélicoïdale XLB_ pour trous débouchants		494
	11,501 - 32,000	-	QWIKREAM Reaming head XSA_ Tête d'alésage à goujure droite XSA_ pour trous borgnes		495
	38 - 51	-	RAPIDTHREAD Thread Mill 17Y1...X Fraise à fileter 17Y1...X		496
	60 - 112	-	RAPIDTHREAD Thread Mill 17Y1...Z Fraise à fileter 17Y1...Z		497
	12 - 20	14	RAPIDTHREAD Threading End Mill (a=14mm) Fraise à fileter (a=14mm)		498
	13,2 - 15,2	14	RAPIDTHREAD Threading End Mill (a=14mm Carbide Shank) Fraise à fileter (a=14mm corps carbure)		500
	13,7 - 21,0	14	RAPIDTHREAD Threading End Mill (a=14mm) Fraise à fileter (a=14mm)		502
	18 - 30	21	RAPIDTHREAD Threading End Mill (a=21mm) Fraise à fileter (a=21mm)		504
	21	21	RAPIDTHREAD Threading End Mill (a=21mm Carbide Shank) Fraise à fileter (a=21mm corps carbure)		506
	21,0 - 30,4	21	RAPIDTHREAD Threading End Mill (a=21mm) Fraise à fileter (a=21mm)		508
	63	21	RAPIDTHREAD Threading Shell Mill (a=21mm) Fraise à fileter (a=21mm)		510
	29 - 40	30	RAPIDTHREAD Threading End Mill (a=30mm) Fraise à fileter (a=30mm)		512
	27	30	RAPIDTHREAD Threading End Mill (a=30mm Carbide Shank) Fraise à fileter (a=30mm corps carbure)		514
	27	30	RAPIDTHREAD Threading End Mill (a=30mm) Fraise à fileter (a=30mm)		516

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

BORING TOOLS / OUTILS D'ALÉSAGE

	D	a	Description	Code / Série	Page
	63 - 100	30	RAPID THREAD Threading Shell Mill (a=30mm) Fraise à fileter (a=30mm)		518
	48 - 50	40	RAPID THREAD Threading End Mill (a=40mm) Fraise à fileter (a=40mm)		520
	80 - 100	40	RAPID THREAD Threading Shell Mill (a=40mm) Fraise à fileter (a=40mm)		522
	15,7 - 21,7	1,4 - 2,4	CHIP SURFER Threading cutter 55° / 60° Z 3-4 Fraise à fileter 55° / 60° Z 3-4		524
	11,94 - 15,94	-	CHIP SURFER Threading cutter 55° / 60° Z 5-6 Fraise à fileter 55° / 60° Z 5-6		525
	10 - 16	-	CHIP SURFER threading Cutter iso type Fraise à fileter type iso		526
	10 - 16	-	CHIP SURFER threading Cutter UNC / UNF / UNEF type Fraise à fileter type UNC / UNF / UNEF		527
	10 - 16	-	CHIP SURFER threading cutter W type Fraise à fileter type W		527
	5 - 16	-	RAPID THREAD threading cutter 60° Fraise à fileter 60°		528
	3,8 - 18	-	RAPID THREAD Solid Carbide ISO-Threading (with central internal Coolant) Fraise à fileter carbure mono ISO-arrosage interne		529
	3,2 - 19,5	-	RAPID THREAD Solid Carbide UN-Threading (with central internal Coolant) Fraise à fileter carbure mono UN-arrosage interne		530
	7,8 - 16	-	RAPID THREAD Solid Carbide BSP-Threading (with central internal Coolant) Fraise à fileter carbure mono bsp-arrosage interne		531
	7,8 - 16	-	RAPID THREAD Solid Carbide BSPT-Threading (with central internal Coolant) Fraise à fileter carbure mono BSPT-arrosage interne		531
	7,6 - 20	-	RAPID THREAD Solid Carbide NPT-Threading (with central internal Coolant) Fraise à fileter carbure mono NPT-arrosage interne		532

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

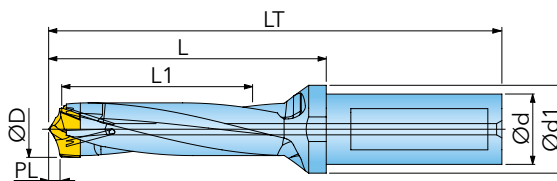
BORING TOOLS / OUTILS D'ALÉSAGE

	D	a	Description	Code / Série	Page
	4,8 - 11,8	-	RAPID THREAD Solid Carbide ISO-Threading (with internal Coolant in the flutes) Fraise à fileter carbure mono ISO-arrosage goujures		533
	10 - 14,4	-	RAPID THREAD Solid Carbide UN-Threading (with internal Coolant in the flutes) Fraise à fileter carbure mono UN-arrosage par goujures		534
	7,8 - 16	-	RAPID THREAD Solid Carbide BSP-Threading (with internal Coolant in the flutes) Fraise à fileter carbure mono BSP-arrosage par goujures		534
	7,6 - 10	-	RAPID THREAD Solid Carbide NPT-Threading (with internal Coolant in the flutes) Fraise à fileter carbure mono NPT-arrosage par goujures		535
	7,6 - 10	-	RAPID THREAD Solid Carbide NPTF-Threading (with internal Coolant in the flutes) Fraise à fileter carbure mono NPTF-arrosage par goujures		535
	1,05 - 15	-	RAPID THREAD Solid Carbide short ISO-Threading internal Fraise à fileter serie courte carbure mono ISO-interne		536
	1,9 - 11,4	-	RAPID THREAD Solid Carbide short UN-Threading internal Fraise à fileter serie courte carbure mono UN-interne		537
	3,3 - 9,4	-	RAPID THREAD Solid Carbide short UNJ-Threading internal Fraise à fileter serie courte carbure mono UNJ-interne		538
	3,2 - 10	-	RAPID THREAD Solid Carbide short MJ-Threading internal Fraise à fileter serie courte carbure mono MJ-interne		538
	1,55 - 11,8	-	RAPID THREAD Solid Carbide short ISO-Threading internal (left version) Fraise à fileter serie courte carbure mono ISO-interne (version a gauche)		539
	3,15 - 11,8	-	RAPID THREAD Solid Carbide short ISO-Threading / Drilling internal (left version) Fraise à percer & fileter carbure monobloc-ISO (version à gauche)		540
	1,15 - 9,2	-	RAPID THREAD Solid Carbide short UN-Threading internal (left version) Fraise à fileter serie courte UN-interne (version a gauche)		541

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

TWIST SPEED HEAD CHANGEABLE DRILL 3D Ø12,0-Ø25,9 Z=3 (B) FORET À EMBOUT 3D Ø12,0-Ø25,9 Z=3 (B)

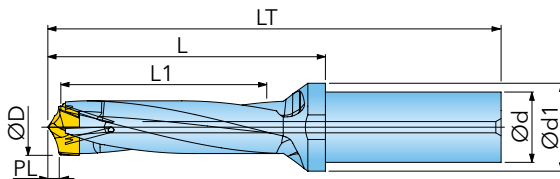
ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	PL	Z	Ps	Key	IK	kg
FD1200036JDR00	12	12,0	12,4	16	20	108,7	60,7	40,0	2,74	3	12	KFD12-13	✓	0,165
FD1250038JDR00	12,5	12,5	12,9	16	20	110,5	62,5	41,5	2,77	3	12	KFD12-13	✓	0,165
FD1300039JDR00	13	13,0	13,4	16	20	112,8	64,8	43,0	2,91	3	13	KFD12-13	✓	0,170
FD1350041JDR00	13,5	13,5	13,9	16	20	114,6	66,6	44,5	2,94	3	13	KFD12-13	✓	0,170
FD1400042JDR00	14	14,0	14,4	16	20	116,9	68,9	46,0	3,17	3	14	KFD14-15	✓	0,170
FD1450044JDR00	14,5	14,5	14,9	16	20	118,7	70,7	47,5	3,20	3	14	KFD14-15	✓	0,175
FD1500045JER00	15	15,0	15,9	20	25	123,9	73,9	49,0	3,31	3	15	KFD14-15	✓	0,210
FD1600048JER00	16	16,0	16,9	20	25	129,0	79,0	52,0	3,70	3	16	KFD16-17	✓	0,250
FD1700051JER00	17	17,0	17,9	20	25	134,0	84,0	55,0	3,88	3	17	KFD16-17	✓	0,260
FD1800054JFR00	18	18,0	18,9	25	32	146,1	90,1	58,0	4,07	3	18	KFD18-19	✓	0,380
FD1900057JFR00	19	19,0	19,9	25	32	150,7	94,7	61,0	4,26	3	19	KFD18-19	✓	0,390
FD2000060JFR00	20	20,0	20,9	25	32	155,3	99,3	64,0	4,44	3	20	KFD20-21	✓	0,420
FD2100063JFR00	21	21,0	21,9	25	32	159,8	103,8	67,0	4,62	3	21	KFD20-21	✓	0,385
FD2200066JFR00	22	22,0	22,9	25	32	164,4	108,4	70,0	4,78	3	22	KFD22-23	✓	0,450
FD2300069JGR00	23	23,0	23,9	32	42	172,8	112,8	73,0	5,02	3	23	KFD22-23	✓	0,540
FD2400072JGR00	24	24,0	24,9	32	42	177,4	117,4	76,0	5,18	3	24	KFD24-25	✓	0,675
FD2500075JGR00	25	25,0	25,9	32	42	182,0	122,0	79,0	5,29	3	25	KFD24-25	✓	0,710

TWIST SPEED HEAD CHANGEABLE DRILL 3D Ø12,0-Ø25,9 Z=3 (A)
FORET À EMBOUT 3D Ø12,0-Ø25,9 Z=3 (A)

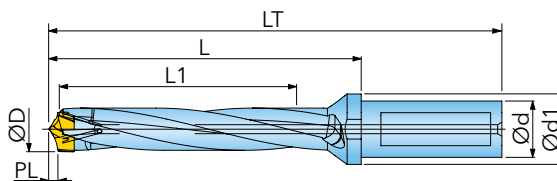
ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT COMPATIBLE DIN 1835 A



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	PL	Z	Ps	Key	IK	kg
FD1200036T3R00	12	12,0	12,4	16	20	108,7	60,7	40,0	2,74	3	12	KFD12-13	✓	0,175
FD1250038T3R00	12,5	12,5	12,9	16	20	110,5	62,5	41,5	2,77	3	12	KFD12-13	✓	0,165
FD1300039T3R00	13	13,0	13,4	16	20	112,8	64,8	43,0	2,91	3	13	KFD12-13	✓	0,170
FD1350041T3R00	13,5	13,5	13,9	16	20	114,6	66,6	44,5	2,94	3	13	KFD12-13	✓	0,175
FD1400042T3R00	14	14,0	14,4	16	20	116,9	68,9	46,0	3,17	3	14	KFD14-15	✓	0,018
FD1450044T3R00	14,5	14,5	14,9	16	20	118,7	70,7	47,5	3,20	3	14	KFD14-15	✓	0,175
FD1500045T4R00	15	15,0	15,9	20	25	123,9	73,9	49,0	3,31	3	15	KFD14-15	✓	0,170
FD1600048T4R00	16	16,0	16,9	20	25	129,0	79,0	52,0	3,70	3	16	KFD16-17	✓	0,250
FD1700051T4R00	17	17,0	17,9	20	25	134,0	84,0	55,0	3,88	3	17	KFD16-17	✓	0,265
FD1800054T5R00	18	18,0	18,9	25	32	146,1	90,1	58,0	4,07	3	18	KFD18-19	✓	0,385
FD1900057T5R00	19	19,0	19,9	25	32	150,7	94,7	61,0	4,26	3	19	KFD18-19	✓	0,400
FD2000060T5R00	20	20,0	20,9	25	32	155,3	99,3	64,0	4,44	3	20	KFD20-21	✓	0,430
FD2100063T5R00	21	21,0	21,9	25	32	159,8	103,8	67,0	4,62	3	21	KFD20-21	✓	0,455
FD2200066T5R00	22	22,0	22,9	25	32	164,4	108,4	70,0	4,78	3	22	KFD22-23	✓	0,440
FD2300069U7R00	23	23,0	23,9	32	42	172,8	112,8	73,0	5,02	3	23	KFD22-23	✓	0,710
FD2400072U7R00	24	24,0	24,9	32	42	177,4	117,4	76,0	5,18	3	24	KFD24-25	✓	0,695
FD2500075U7R00	25	25,0	25,9	32	42	182,0	122,0	79,0	5,29	3	25	KFD24-25	✓	0,750

TWIST SPEED HEAD CHANGEABLE DRILL 5D Ø12,0-Ø25,9 Z=3 (B) FORET À EMBOUT 5D Ø12,0-Ø25,9 Z=3 (B)

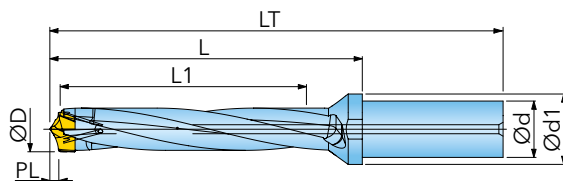
ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	PL	Z	Ps	Key	IK	kg
FD1200060JDR00	12	12,0	12,4	16	20	132,7	84,7	64,0	2,74	3	12	KFD12-13	✓	0,115
FD1250063JDR00	12,5	12,5	12,9	16	20	135,5	87,5	66,5	2,77	3	12	KFD12-13	✓	0,115
FD1300065JDR00	13	13,0	13,4	16	20	138,8	90,8	69,0	2,91	3	13	KFD12-13	✓	0,180
FD1350068JDR00	13,5	13,5	13,9	16	20	141,6	93,6	71,5	2,94	3	13	KFD12-13	✓	0,185
FD1400070JDR00	14	14,0	14,4	16	20	144,9	96,9	74,0	3,17	3	14	KFD14-15	✓	0,190
FD1450073JDR00	14,5	14,5	14,9	16	20	147,7	99,7	76,5	3,20	3	14	KFD14-15	✓	0,210
FD1500075JER00	15	15,0	15,9	20	25	153,9	103,9	79,0	3,31	3	15	KFD14-15	✓	0,250
FD1600080JER00	16	16,0	16,9	20	25	161,0	111,0	84,0	3,70	3	16	KFD16-17	✓	0,250
FD1700085JER00	17	17,0	17,9	20	25	168,0	118,0	89,0	3,88	3	17	KFD16-17	✓	0,285
FD1800090JFR00	18	18,0	18,9	25	32	182,1	126,1	94,0	4,07	3	18	KFD18-19	✓	0,410
FD1900095JFR00	19	19,0	19,9	25	32	188,7	132,7	99,0	4,26	3	19	KFD18-19	✓	0,425
FD2000100JFR00	20	20,0	20,9	25	32	195,3	139,3	104,0	4,44	3	20	KFD20-21	✓	0,460
FD2100105JFR00	21	21,0	21,9	25	32	201,8	145,8	109,0	4,62	3	21	KFD20-21	✓	0,490
FD2200110JFR00	22	22,0	22,9	25	32	208,4	152,4	114,0	4,78	3	22	KFD22-23	✓	0,750
FD2300115JGR00	23	23,0	23,9	32	42	218,8	158,8	119,0	5,02	3	23	KFD22-23	✓	0,765
FD2400120JGR00	24	24,0	24,9	32	42	225,4	165,4	124,0	5,18	3	24	KFD24-25	✓	0,775
FD2500125JGR00	25	25,0	25,9	32	42	232,0	172,0	129,0	5,29	3	25	KFD24-25	✓	0,815

TWIST SPEED HEAD CHANGEABLE DRILL 5D Ø12,0-Ø25,9 Z=3 (A)
FORET À EMBOUT 5D Ø12,0-Ø25,9 Z=3 (A)

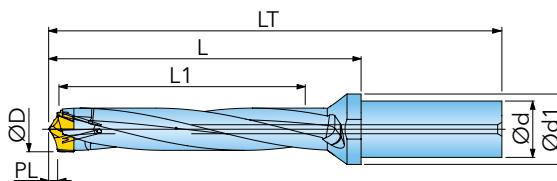
ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT COMPATIBLE DIN 1835 A



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	PL	Z	Ps	Key	IK	kg
FD1200060T3R00	12	12,0	12,4	16	20	132,7	84,7	64,0	2,74	3	12	KFD12-13	✓	0,140
FD1250063T3R00	12,5	12,5	12,9	16	20	135,5	87,5	66,5	2,77	3	12	KFD12-13	✓	0,165
FD1300065T3R00	13	13,0	13,4	16	20	138,8	90,8	69,0	2,91	3	13	KFD12-13	✓	0,180
FD1350068T3R00	13,5	13,5	13,9	16	20	141,6	93,6	71,5	2,94	3	13	KFD12-13	✓	0,185
FD1400070T3R00	14	14,0	14,4	16	20	144,9	96,9	74,0	3,17	3	14	KFD14-15	✓	0,155
FD1450073T3R00	14,5	14,5	14,9	16	20	147,7	99,7	76,5	3,20	3	14	KFD14-15	✓	0,195
FD1500075T4R00	15	15,0	15,9	20	25	153,9	103,9	79,0	3,31	3	15	KFD14-15	✓	0,260
FD1600080T4R00	16	16,0	16,9	20	25	161,0	111,0	84,0	3,70	3	16	KFD16-17	✓	0,350
FD1700085T4R00	17	17,0	17,9	20	25	168,0	118,0	89,0	3,88	3	17	KFD16-17	✓	0,290
FD1800090T5R00	18	18,0	18,9	25	32	182,1	126,1	94,0	4,07	3	18	KFD18-19	✓	0,410
FD1900095T5R00	19	19,0	19,9	25	32	188,7	132,7	99,0	4,26	3	19	KFD18-19	✓	0,435
FD2000100T5R00	20	20,0	20,9	25	32	195,3	139,3	104,0	4,44	3	20	KFD20-21	✓	0,415
FD2100105T5R00	21	21,0	21,9	25	32	201,8	145,8	109,0	4,62	3	21	KFD20-21	✓	0,505
FD2200110T5R00	22	22,0	22,9	25	32	208,4	152,4	114,0	4,78	3	22	KFD22-23	✓	0,475
FD2300115U7R00	23	23,0	23,9	32	42	218,8	158,8	119,0	5,02	3	23	KFD22-23	✓	0,750
FD2400120U7R00	24	24,0	24,9	32	42	225,4	165,4	124,0	5,18	3	24	KFD24-25	✓	0,795
FD2500125U7R00	25	25,0	25,9	32	42	232,0	172,0	129,0	5,29	3	25	KFD24-25	✓	0,780

TWIST SPEED HEAD CHANGEABLE DRILL 8D Ø12,0-Ø25,9 Z=3 (A) FORET À EMBOUT 8D Ø12,0-Ø25,9 Z=3 (A)

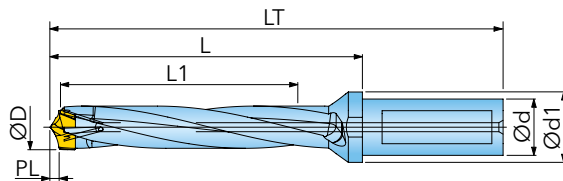
ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT COMPATIBLE DIN 1835 A



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	PL	Z	Ps	Key	IK	kg
FD1200096T3R00	12	12,0	12,4	16	20	168,7	120,7	100,0	2,74	3	12	KFD12-13	✓	0,190
FD1250100T3R00	12,5	12,5	12,9	16	20	173,0	125,0	104,0	2,77	3	12	KFD12-13	✓	0,190
FD1300104T3R00	13	13,0	13,4	16	20	177,8	129,8	108,0	2,91	3	13	KFD12-13	✓	0,195
FD1350108T3R00	13,5	13,5	13,9	16	20	182,1	134,1	112,0	2,94	3	13	KFD12-13	✓	0,205
FD1400112T3R00	14	14,0	14,4	16	20	186,9	138,9	116,0	3,17	3	14	KFD14-15	✓	0,210
FD1450116T3R00	14,5	14,5	14,9	16	20	191,2	143,2	120,0	3,20	3	14	KFD14-15	✓	0,215
FD1500120T4R00	15	15,0	15,9	20	25	198,9	148,9	124,0	3,31	3	15	KFD14-15	✓	0,280
FD1600128T4R00	16	16,0	16,9	20	25	209,0	159,0	132,0	3,70	3	16	KFD16-17	✓	0,430
FD1700136T4R00	17	17,0	17,9	20	25	219,0	169,0	140,0	3,88	3	17	KFD16-17	✓	0,340
FD1800144T5R00	18	18,0	18,9	25	32	236,1	180,1	148,0	4,07	3	18	KFD18-19	✓	0,470
FD1900152T5R00	19	19,0	19,9	25	32	245,7	189,7	156,0	4,26	3	19	KFD18-19	✓	0,500
FD2000160T5R00	20	20,0	20,9	25	32	255,3	199,3	164,0	4,44	3	20	KFD20-21	✓	0,560
FD2100168T5R00	21	21,0	21,9	25	32	264,8	208,8	172,0	4,62	3	21	KFD20-21	✓	0,560
FD2200176T5R00	22	22,0	22,9	25	32	274,4	218,4	180,0	4,78	3	22	KFD22-23	✓	0,585
FD2300184U7R00	23	23,0	23,9	32	42	287,8	227,8	188,0	5,02	3	23	KFD22-23	✓	0,850
FD2400192U7R00	24	24,0	24,9	32	42	297,4	237,4	196,0	5,18	3	24	KFD24-25	✓	0,980
FD2500200U7R00	25	25,0	25,9	32	42	307,0	247,0	204,0	5,29	3	25	KFD24-25	✓	1,055

TWIST SPEED HEAD CHANGEABLE DRILL 8D Ø12,0-Ø25,9 Z=3 (B)
FORET À EMBOUT 8D Ø12,0-Ø25,9 Z=3 (B)

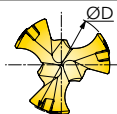
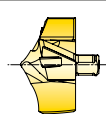
ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



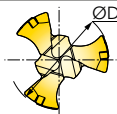
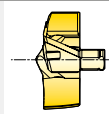
Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	PL	Z	Ps	Key	IK	kg
FD1200096JDR00	12	12,0	12,4	16	20	168,7	120,7	100,0	2,74	3	12	KFD12-13	✓	0,185
FD1250100JDR00	12,5	12,5	12,9	16	20	173,0	125,0	104,0	2,77	3	12	KFD12-13	✓	0,190
FD1300104JDR00	13	13,0	13,4	16	20	177,8	129,8	108,0	2,91	3	13	KFD12-13	✓	0,135
FD1350108JDR00	13,5	13,5	13,9	16	20	182,1	134,1	112,0	2,94	3	13	KFD12-13	✓	0,205
FD1400112JDR00	14	14,0	14,4	16	20	186,9	138,9	116,0	3,17	3	14	KFD14-15	✓	0,205
FD1450116JDR00	14,5	14,5	14,9	16	20	191,2	143,2	120,0	3,20	3	14	KFD14-15	✓	0,215
FD1500120JER00	15	15,0	15,9	20	25	198,9	148,9	124,0	3,31	3	15	KFD14-15	✓	0,275
FD1600128JER00	16	16,0	16,9	20	25	209,0	159,0	132,0	3,70	3	16	KFD16-17	✓	0,315
FD1700136JER00	17	17,0	17,9	20	25	219,0	169,0	140,0	3,88	3	17	KFD16-17	✓	0,340
FD1800144JFR00	18	18,0	18,9	25	32	236,1	180,1	148,0	4,07	3	18	KFD18-19	✓	0,465
FD1900152JFR00	19	19,0	19,9	25	32	245,7	189,7	156,0	4,26	3	19	KFD18-19	✓	0,495
FD2000160JFR00	20	20,0	20,9	25	32	255,3	199,3	164,0	4,44	3	20	KFD20-21	✓	0,530
FD2100168JFR00	21	21,0	21,9	25	32	264,8	208,8	172,0	4,62	3	21	KFD20-21	✓	0,555
FD2200176JFR00	22	22,0	22,9	25	32	274,4	218,4	180,0	4,78	3	22	KFD22-23	✓	0,585
FD2300184JGR00	23	23,0	23,9	32	42	287,8	227,8	188,0	5,02	3	23	KFD22-23	✓	0,850
FD2400192JGR00	24	24,0	24,9	32	42	297,4	237,4	196,0	5,18	3	24	KFD24-25	✓	0,980
FD2500200JGR00	25	25,0	25,9	32	42	307,0	247,0	204,0	5,29	3	25	KFD24-25	✓	1,055

**BORING HEADS FOR TWISTSPEED
EMBOUTS DE PERÇAGE POUR TWISTSPEED**

Steel / Cast / Acier / Fonte



Flat Bottom / Fond Plat



Designation / Réf. de l'article			
D	Steel / Cast / Acier / Fonte	Flat Bottom / Fond Plat	Grade / Nuance
12,0	FPC1200R01	FPF1200R01	IN 2205
12,1	FPC1210R01		IN 2205
12,2	FPC1220R01		IN 2205
12,3	FPC1230R01		IN 2205
12,4	FPC1240R01		IN 2205
12,5	FPC1250R01	FPF1250R01	IN 2205
12,6	FPC1260R01		IN 2205
12,7	FPC1270R01		IN 2205
12,8	FPC1280R01		IN 2205
12,9	FPC1290R01		IN 2205
13,0	FPC1300R01	FPF1300R01	IN 2205
13,1	FPC1310R01		IN 2205
13,2	FPC1320R01		IN 2205
13,3	FPC1330R01		IN 2205
13,4	FPC1340R01		IN 2205
13,5	FPC1350R01	FPF1350R01	IN 2205
13,6	FPC1360R01		IN 2205
13,7	FPC1370R01		IN 2205
13,8	FPC1380R01		IN 2205
13,9	FPC1390R01		IN 2205
14,0	FPC1400R01	FPF1400R01	IN 2205
14,1	FPC1410R01		IN 2205
14,2	FPC1420R01		IN 2205
14,3	FPC1430R01		IN 2205
14,4	FPC1440R01		IN 2205
14,5	FPC1450R01	FPF1450R01	IN 2205
14,6	FPC1460R01		IN 2205
14,7	FPC1470R01		IN 2205
14,8	FPC1480R01		IN 2205
14,9	FPC1490R01		IN 2205
15,0	FPC1500R01	FPF1500R01	IN 2205
15,1	FPC1510R01		IN 2205
15,2	FPC1520R01		IN 2205
15,3	FPC1530R01		IN 2205
15,4	FPC1540R01		IN 2205
15,5	FPC1550R01	FPF1550R01	IN 2205
15,6	FPC1560R01		IN 2205
15,7	FPC1570R01		IN 2205
15,8	FPC1580R01		IN 2205
15,9	FPC1590R01		IN 2205
16,0	FPC1600R01	FPF1600R01	IN 2205
16,1	FPC1610R01		IN 2205
16,2	FPC1620R01		IN 2205
16,3	FPC1630R01		IN 2205
16,4	FPC1640R01		IN 2205
16,5	FPC1650R01	FPF1650R01	IN 2205

Designation / Réf. de l'article			
D	Steel / Cast / Acier / Fonte	Flat Bottom / Fond Plat	Grade / Nuance
16,6	FPC1660R01		IN 2205
16,7	FPC1670R01		IN 2205
16,8	FPC1680R01		IN 2205
16,9	FPC1690R01		IN 2205
17,0	FPC1700R01	FPF1700R01	IN 2205
17,1	FPC1710R01		IN 2205
17,2	FPC1720R01		IN 2205
17,3	FPC1730R01		IN 2205
17,4	FPC1740R01		IN 2205
17,5	FPC1750R01	FPF1750R01	IN 2205
17,6	FPC1760R01		IN 2205
17,7	FPC1770R01		IN 2205
17,8	FPC1780R01		IN 2205
17,9	FPC1790R01		IN 2205
18,0	FPC1800R01	FPF1800R01	IN 2205
18,1	FPC1810R01		IN 2205
18,2	FPC1820R01		IN 2205
18,3	FPC1830R01		IN 2205
18,4	FPC1840R01		IN 2205
18,5	FPC1850R01	FPF1850R01	IN 2205
18,6	FPC1860R01		IN 2205
18,7	FPC1870R01		IN 2205
18,8	FPC1880R01		IN 2205
18,9	FPC1890R01		IN 2205
19,0	FPC1900R01	FPF1900R01	IN 2205
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19,2	FPC1920R01		IN 2205
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19,4	FPC1940R01		IN 2205
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19,8	FPC1980R01		IN 2205
19,9	FPC1990R01		IN 2205
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20,2	FPC2020R01		IN 2205
20,3	FPC2030R01		IN 2205
20,4	FPC2040R01		IN 2205
20,5	FPC2050R01	FPF2050R01	IN 2205
20,6	FPC2060R01		IN 2205
20,7	FPC2070R01		IN 2205
20,8	FPC2080R01		IN 2205
20,9	FPC2090R01		IN 2205
21,0	FPC2100R01	FPF2100R01	IN 2205
21,5	FPC2150R01	FPF2150R01	IN 2205

**BORING HEADS FOR TWISTSFEED
EMBOUITS DE PERÇAGE POUR TWISTSFEED**

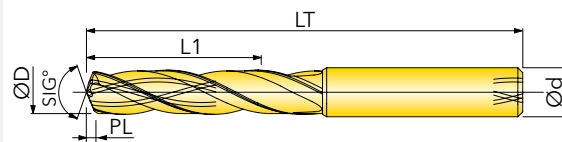
Designation / Réf. de l'article			
D	Steel / Cast / Acier / Fonte	Flat Bottom / Fond Plat	Grade / Nuance
22,0	FPC2200R01	FPF2200R01	IN 2205
22,5	FPC2250R01	FPF2250R01	IN 2205
23,0	FPC2300R01	FPF2300R01	IN 2205
23,5	FPC2350R01	FPF2350R01	IN 2205

Designation / Réf. de l'article			
D	Steel / Cast / Acier / Fonte	Flat Bottom / Fond Plat	Grade / Nuance
24,0	FPC2400R01	FPF2400R01	IN 2205
24,5	FPC2450R01	FPF2450R01	IN 2205
25,0	FPC2500R01	FPF2500R01	IN 2205
25,5	FPC2550R01	FPF2550R01	IN 2205



SOLIDDRILL³ SOLID CARBIDE DRILL 3D Z=3 Ø4,0-12,0
FORET CARBURE MONOBLOC 3D Z=3 Ø4,0-12,0

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA

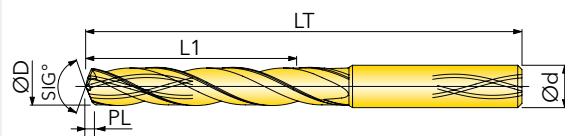


Grade Nuance	P	M	K	N _(K)	S _(M)	H _(PK)	▼	D	m7										
IN2205	+		+					d	h6										

+ Preferred choice / Premier choix ○ Second choice / Second choix ▼ Roughing / Ebauche ▼▼ Pre-finishing / Semi-finition ▼▼▼ Finishing / Finition

Designation Réf. de l'article	D	d	LT	L1	PL	λ	Z	IK	kg
FR0400017T7R01	4	6	66	17	0,82	140	3	✓	0,02
FR0450017T7R01	4,5	6	66	17	0,88	140	3	✓	0,02
FR0500020T7R01	5	6	66	20	0,96	140	3	✓	0,02
FR0550020T7R01	5,5	6	66	20	1,08	140	3	✓	0,02
FR0600020T7R01	6	6	66	20	1,17	140	3	✓	0,02
FR0650024T0R01	6,5	8	79	24	1,26	140	3	✓	0,04
FR0680024T0R01	6,8	8	79	24	1,31	140	3	✓	0,04
FR0700024T0R01	7	8	79	24	1,35	140	3	✓	0,04
FR0750029T0R01	7,5	8	79	29	1,40	140	3	✓	0,04
FR0800029T0R01	8	8	79	29	1,49	140	3	✓	0,05
FR0850035T1R01	8,5	10	89	35	1,63	140	3	✓	0,07
FR0900035T1R01	9	10	89	35	1,72	140	3	✓	0,07
FR0950035T1R01	9,5	10	89	35	1,75	140	3	✓	0,08
FR1000035T1R01	10	10	89	35	1,85	140	3	✓	0,08
FR1050040T2R01	10,5	12	102	40	1,98	140	3	✓	0,12
FR1100040T2R01	11	12	102	40	2,07	140	3	✓	0,12
FR1150040T2R01	11,5	12	102	40	2,12	140	3	✓	0,12
FR1200040T2R01	12	12	102	40	2,21	140	3	✓	0,13

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



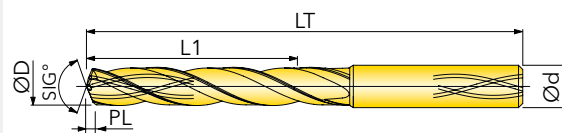
Grade Nuance	P	M	K	N _(K)	S _(M)	H _(PK)	▼	D	m7										
IN2205	+		+					d	h6										

☒ Preferred choice / Premier choix
 ☐ Second choice / Second choix
 ▼ Roughing / Ebauche
 ▼▼ Pre-finishing / Semi-finition
 ▼▼▼ Finishing / Finition

Designation Réf. de l'article	D	d	LT	L1	PL	λ	Z	IK	kg
FR0400029T7R01	4	6	74	29	0,82	140	3	✓	0,02
FR0450029T7R01	4,5	6	74	29	0,88	140	3	✓	0,02
FR0500035T7R01	5	6	82	35	0,96	140	3	✓	0,02
FR0550035T7R01	5,5	6	82	35	1,08	140	3	✓	0,03
FR0600035T7R01	6	6	82	35	1,17	140	3	✓	0,03
FR0650043T0R01	6,5	8	91	43	1,26	140	3	✓	0,04
FR0680043T0R01	6,8	8	91	43	1,31	140	3	✓	0,04
FR0700043T0R01	7	8	91	43	1,35	140	3	✓	0,05
FR0750043T0R01	7,5	8	91	43	1,40	140	3	✓	0,05
FR0800043T0R01	8	8	91	43	1,49	140	3	✓	0,05
FR0850049T1R01	8,5	10	103	49	1,63	140	3	✓	0,08
FR0900049T1R01	9	10	103	49	1,72	140	3	✓	0,08
FR0950049T1R01	9,5	10	103	49	1,75	140	3	✓	0,08
FR1000049T1R01	10	10	103	49	1,85	140	3	✓	0,09
FR1050056T2R01	10,5	12	118	56	1,98	140	3	✓	0,12
FR1100056T2R01	11	12	118	56	2,07	140	3	✓	0,12
FR1150056T2R01	11,5	12	118	56	2,12	140	3	✓	0,13
FR1200056T2R01	12	12	118	56	2,21	140	3	✓	0,13

SOLIDDRILL³ SOLID CARBIDE DRILL 8D Z=3 Ø4,0-12,0
FORET CARBURE MONOBLOC 8D Z=3 Ø4,0-12,0

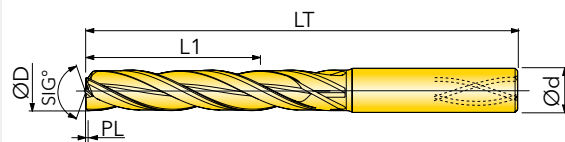
ADAPTION ACC. TO DIN 6535 HA
 ATTACHEMENT DIN 6535 HA



Grade Nuance	P	M	K	N _(K)	S _(M)	H _(PK)		D	m7								
IN2205	+		+					d	h6								

☒ Preferred choice / Premier choix
 ☐ Second choice / Second choix
 ☒ Roughing / Ebauche
 ☒ Pre-finishing / Semi-finition
 ☒ Finishing / Finition

Designation Réf. de l'article	D	d	LT	L1	PL	λ	Z		
FR0400036T7R01	4	6	74	17	0,17	140	3	✓	0,022
FR0450036T7R01	4,5	6	74	17	0,19	140	3	✓	0,023
FR0500048T7R01	5	6	82	20	0,21	140	3	✓	0,023
FR0550048T7R01	5,5	6	82	20	0,23	140	3	✓	0,025
FR0600048T7R01	6	6	82	20	0,23	140	3	✓	0,030
FR0650064T0R01	6,5	8	91	24	0,28	140	3	✓	0,047
FR0700064T0R01	7	8	91	24	0,28	140	3	✓	0,049
FR0750064T0R01	7,5	8	91	29	0,32	140	3	✓	0,052
FR0800064T0R01	8	8	91	29	0,32	140	3	✓	0,055
FR0850080T1R01	8,5	10	103	35	0,36	130	3	✓	0,086
FR0900080T1R01	9	10	103	35	0,36	130	3	✓	0,090
FR0950080T1R01	9,5	10	103	35	0,39	130	3	✓	0,094
FR1000080T1R01	10	10	103	35	0,39	130	3	✓	0,105
FR1050096T2R01	10,5	12	118	40	0,43	130	3	✓	0,142
FR1100096T2R01	11	12	118	40	0,43	130	3	✓	0,146
FR1150096R2T01	11,5	12	118	40	0,46	130	3	✓	0,151
FR1200096T2R01	12	12	118	40	0,46	130	3	✓	0,158

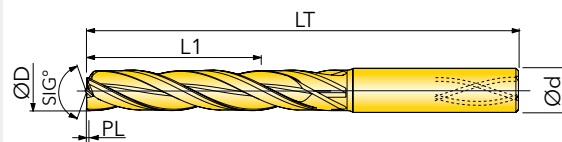


+ Preferred choice / Premier choix
 ○ Second choice / Second choix
 ▼ Roughing / Ebauche
 ▼▼ Pre-finishing / Semi-finition
 ▼▼▼ Finishing / Finition

Designation Réf. de l'article	D	d	LT	L1	PL	λ	Z		
FF0400017T7R01	4	6	66	17	0,17	125	3	✓	0,02
FF0450017T7R01	4,5	6	66	17	0,19	125	3	✓	0,02
FF0500020T7R01	5	6	66	20	0,21	125	3	✓	0,02
FF0550020T7R01	5,5	6	66	20	0,23	125	3	✓	0,02
FF0600020T7R01	6	6	66	20	0,23	125	3	✓	0,02
FF0650024TOR01	6,5	8	79	24	0,28	125	3	✓	0,04
FF0700024TOR01	7	8	79	24	0,28	125	3	✓	0,04
FF0750029TOR01	7,5	8	79	29	0,32	125	3	✓	0,04
FF0800029TOR01	8	8	79	29	0,32	125	3	✓	0,05
FF0850035T1R01	8,5	10	89	35	0,36	125	3	✓	0,07
FF0900035T1R01	9	10	89	35	0,36	125	3	✓	0,07
FF0950035T1R01	9,5	10	89	35	0,39	125	3	✓	0,08
FF1000035T1R01	10	10	89	35	0,39	125	3	✓	0,08
FF1050040T2R01	10,5	12	102	40	0,43	125	3	✓	0,12
FF1100040T2R01	11	12	102	40	0,43	125	3	✓	0,12
FF1150040R2T01	11,5	12	102	40	0,46	125	3	✓	0,12
FF1200040T2R01	12	12	102	40	0,46	125	3	✓	0,13

SOLIDDRILL³ SOLID CARBIDE DRILL 5D Z=3 Ø4,0-12,0 (FLAT GROUND)
FORET CARBURE MONOBLOC 5D Z=3 Ø4,0-12,0 (FOND PLAT)

ADAPTION ACC. TO DIN 6535 HA
 ATTACHEMENT DIN 6535 HA



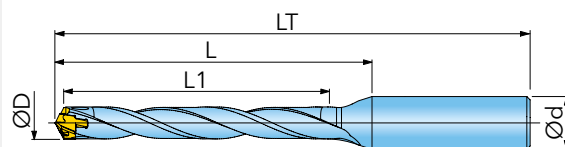
Grade Nuance	P	M	K	N _(K)	S _(M)	H _(PK)	▼	D	m7										
IN2205	+		+					d	h6										

+ Preferred choice / Premier choix ○ Second choice / Second choix ▼ Roughing / Ebauche ▼▼ Pre-finishing / Semi-finition ▼▼▼ Finishing / Finition

Designation Réf. de l'article	D	d	LT	L1	PL	λ	Z	IK	kg
FF0400029T7R01	4	6	74	29	0,17	125	3	✓	0,02
FF0450029T7R01	4,5	6	74	29	0,19	125	3	✓	0,02
FF0500035T7R01	5	6	82	35	0,21	125	3	✓	0,02
FF0550035T7R01	5,5	6	82	35	0,23	125	3	✓	0,02
FF0600035T7R01	6	6	82	35	0,23	125	3	✓	0,02
FF0650043T0R01	6,5	8	91	43	0,28	125	3	✓	0,04
FF0700043T0R01	7	8	91	43	0,28	125	3	✓	0,04
FF0750043T0R01	7,5	8	91	43	0,32	125	3	✓	0,04
FF0800043T0R01	8	8	91	43	0,32	125	3	✓	0,05
FF0850049T1R01	8,5	10	103	49	0,36	125	3	✓	0,07
FF0900049T1R01	9	10	103	49	0,36	125	3	✓	0,07
FF0950049T1R01	9,5	10	103	49	0,39	125	3	✓	0,08
FF1000049T1R01	10	10	103	49	0,39	125	3	✓	0,08
FF1050056T2R01	10,5	12	118	56	0,43	125	3	✓	0,12
FF1100056T2R01	11	12	118	56	0,43	125	3	✓	0,12
FF1150056R2T01	11,5	12	118	56	0,46	125	3	✓	0,12
FF1200056T2R01	12	12	118	56	0,46	125	3	✓	0,13

GOLD TWIST HEAD CHANGEABLE DRILL 3D Ø4,0-Ø5,9 (A)
FORET À EMBOUT 3D Ø4,0-Ø5,9 (A)

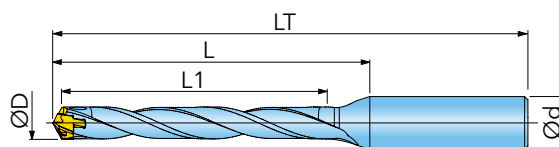
ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT COMPATIBLE DIN 1835 A



Designation Réf. de l'article	D min.	D max.	d	LT	L	L1	Z	Ps	Key	IK	kg
TD0400012T7R00	4,0	4,4	6	57,7	22,7	13	2	4	KTD4.0-4.9	✓	0,02
TD0450014T7R00	4,5	4,9	6	59,7	24,7	14	2	4,5	KTD4.0-4.9	✓	0,02
TD0500015T7R00	5,0	5,4	6	61,3	26,3	16	2	5	KTD5.0-5.9	✓	0,02
TD0550017T7R00	5,5	5,9	6	63,2	28,2	17	2	5,5	KTD5.0-5.9	✓	0,02

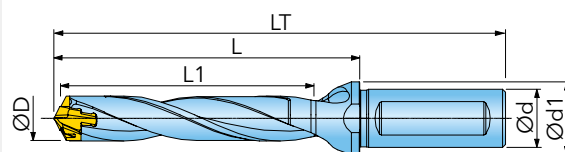
GOLD TWIST HEAD CHANGEABLE DRILL 5D Ø4,0-Ø5,9 (A)
FORET A EMBOUT 5D Ø4,0-Ø5,9 (A)

ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT DIN 1835 A



Designation Réf. de l'article	D min.	D max.	d	LT	L	L1	Z	Ps	Key	IK	kg
TD0400020T7R00	4,0	4.4	6	65,7	30,7	21	2	4	KTD4.0-4.9	✓	0,03
TD0450023T7R00	4.5	4.9	6	68,7	33,7	23	2	4,5	KTD4.0-4.9	✓	0,03
TD0500025T7R00	5,0	5.4	6	71,3	36,3	26	2	5	KTD5.0-5.9	✓	0,03
TD0550028T7R00	5.5	5.9	6	74,2	39,2	28	2	5,5	KTD5.0-5.9	✓	0,03

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B

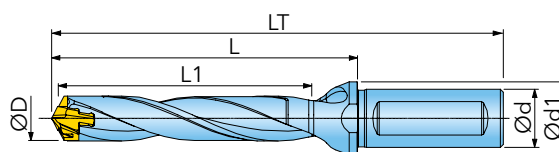


Designation Réf. de l'article	D min.	D max.	d	d1	LT	L	L1	Z	Ps	Key	Ⓚ	kg
TD0600009JCR00	6,0	6,4	12	16	68	23,0	9	2	6	KTD6.0-9.9	✓	0,02
TD0650010JCR00	6,5	6,9	12	16	69,1	24,1	10	2	6,5	KTD6.0-9.9	✓	0,02
TD0700011JCR00	7,0	7,4	12	16	70,1	25,1	11	2	7	KTD6.0-9.9	✓	0,03
TD0750011JCR00	7,5	7,9	12	16	70,9	25,9	11,3	2	7,5	KTD6.0-9.9	✓	0,03
TD0800012JCR00	8,0	8,9	12	16	72,4	27,4	12	2	8	KTD6.0-9.9	✓	0,04
TD0900014JCR00	9,0	9,9	12	16	74,3	29,3	14	2	9	KTD6.0-9.9	✓	0,05
TD1000015JDR00	10,0	10,9	16	20	79,2	31,2	15	2	10	KTD10.0-19.9	✓	0,08
TD1100017JDR00	11,0	11,9	16	20	81,1	33,1	17	2	11	KTD10.0-19.9	✓	0,09
TD1200018JDR00	12,0	12,9	16	20	83	35,0	18	2	12	KTD10.0-19.9	✓	0,10
TD1300020JDR00	13,0	13,9	16	20	85,1	37,1	20	2	13	KTD10.0-19.9	✓	0,11
TD1400021JDR00	14,0	14,9	16	20	89,1	41,1	21	2	14	KTD10.0-19.9	✓	0,12
TD1500023JER00	15,0	15,9	20	25	96,2	46,2	23	2	15	KTD10.0-19.9	✓	0,15
TD1600024JER00	16,0	16,9	20	25	99,3	49,3	24	2	16	KTD10.0-19.9	✓	0,16
TD1700026JER00	17,0	17,9	20	25	102,4	52,4	26	2	17	KTD10.0-19.9	✓	0,17
TD1800027JFR00	18,0	18,9	25	32	111,5	55,5	27	2	18	KTD10.0-19.9	✓	0,28
TD1900029JFR00	19,0	19,9	25	32	114,5	58,5	29	2	19	KTD10.0-19.9	✓	0,30
TD2000030JFR00	20,0	20,9	25	32	117,6	61,6	30	2	20	KTD20.0-26.9	✓	0,31
TD2100032JFR00	21,0	21,9	25	32	120,7	64,7	32	2	21	KTD20.0-26.9	✓	0,32
TD2200033JFR00	22,0	22,9	25	32	123,8	67,8	33	2	22	KTD20.0-26.9	✓	0,34
TD2300035JGR00	23,0	23,9	32	42	130,8	70,8	35	2	23	KTD20.0-26.9	✓	0,42
TD2400036JGR00	24,0	24,9	32	42	133,9	73,9	36	2	24	KTD20.0-26.9	✓	0,46
TD2500038JGR00	25,0	25,9	32	42	137	77,0	38	2	25	KTD20.0-26.9	✓	0,50

GOLD TWIST HEAD CHANGEABLE DRILL 3D Ø6,0-Ø25,9

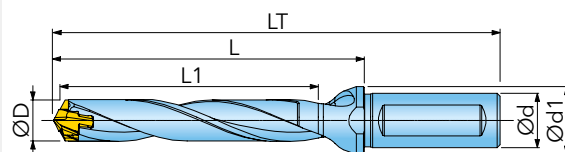
FORET À EMBOUT 3D Ø6,0-Ø25,9

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D min.	D max.	d	d1	LT	L	L1	Z	Ps	Key	IK	kg
TD0600018JCR00	6,0	6,4	12	16	77	32,0	18	2	6	KTD6.0-9.9	✓	0,03
TD0650020JCR00	6,5	6,9	12	16	78,8	33,8	20	2	6,5	KTD6.0-9.9	✓	0,03
TD0700021JCR00	7,0	7,4	12	16	80,6	35,6	21	2	7	KTD6.0-9.9	✓	0,04
TD0750023JCR00	7,5	7,9	12	16	82,1	37,1	23	2	7,5	KTD6.0-9.9	✓	0,04
TD0800024JCR00	8,0	8,4	12	16	84,4	39,4	24	2	8	KTD6.0-9.9	✓	0,05
TD0850026JCR00	8,5	8,9	12	16	85,9	40,9	26	2	8,5	KTD6.0-9.9	✓	0,05
TD0900027JCR00	9,0	9,4	12	16	87,8	42,8	27	2	9	KTD6.0-9.9	✓	0,06
TD0950029JCR00	9,5	9,9	12	16	89,3	44,3	29	2	9,5	KTD6.0-9.9	✓	0,06
TD1000030JDR00	10,0	10,4	16	20	94,2	46,2	30	2	10	KTD10.0-19.9	✓	0,09
TD1050032JDR00	10,5	10,9	16	20	95,7	47,7	32	2	10,5	KTD10.0-19.9	✓	0,10
TD1100033JDR00	11,0	11,4	16	20	97,6	49,6	33	2	11	KTD10.0-19.9	✓	0,10
TD1150035JDR00	11,5	11,9	16	20	99,1	51,1	35	2	11,5	KTD10.0-19.9	✓	0,11
TD1200036JDR00	12,0	12,4	16	20	101	53,0	36	2	12	KTD10.0-19.9	✓	0,11
TD1250037JDR00	12,5	12,9	16	20	102,5	54,5	37	2	12,5	KTD10.0-19.9	✓	0,11
TD1300039JDR00	13,0	13,4	16	20	104,6	56,6	39	2	13	KTD10.0-19.9	✓	0,12
TD1350041JDR00	13,5	13,9	16	20	106,1	58,1	41	2	13,5	KTD10.0-19.9	✓	0,12
TD1400042JDR00	14,0	14,4	16	20	110,2	62,2	42	2	14	KTD10.0-19.9	✓	0,13
TD1450044JDR00	14,5	14,9	16	20	111,7	63,7	44	2	14,5	KTD10.0-19.9	✓	0,13
TD1500045JER00	15,0	15,9	20	25	118,7	68,7	45	2	15	KTD10.0-19.9	✓	0,18
TD1600048JER00	16,0	16,9	20	25	123,3	73,3	48	2	16	KTD10.0-19.9	✓	0,19
TD1700051JER00	17,0	17,9	20	25	127,9	77,9	51	2	17	KTD10.0-19.9	✓	0,20
TD1800054JFR00	18,0	18,9	25	32	138,5	82,5	54	2	18	KTD10.0-19.9	✓	0,32
TD1900057JFR00	19,0	19,9	25	32	143	87,0	57	2	19	KTD10.0-19.9	✓	0,34
TD2000060JFR00	20,0	20,9	25	32	147,6	91,6	60	2	20	KTD20.0-26.9	✓	0,35
TD2100063JFR00	21,0	21,9	25	32	152,2	96,2	63	2	21	KTD20.0-26.9	✓	0,36
TD2200066JFR00	22,0	22,9	25	32	156,8	100,8	66	2	22	KTD20.0-26.9	✓	0,37
TD2300069JGR00	23,0	23,9	32	42	165,3	105,3	69	2	23	KTD20.0-26.9	✓	0,45
TD2400072JGR00	24,0	24,9	32	42	169,9	109,9	72	2	24	KTD20.0-26.9	✓	0,49
TD2500075JGR00	25,0	25,9	32	42	174,5	114,5	75	2	25	KTD20.0-26.9	✓	0,53

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B

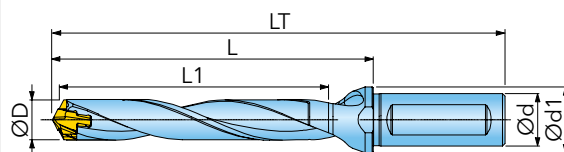


Designation Réf. de l'article	D min.	D max.	d	d1	LT	L	L1	Z	Ps	Key	Ⓚ	kg
TD0600030JCR00	6,0	6,4	12	16	89	44,0	30	2	6	KTD6.0-9.9	✓	0,04
TD0650033JCR00	6,5	6,9	12	16	91,8	46,8	33	2	6,5	KTD6.0-9.9	✓	0,04
TD0700035JCR00	7,0	7,4	12	16	94,6	49,6	35	2	7	KTD6.0-9.9	✓	0,05
TD0750038JCR00	7,5	7,9	12	16	97,1	52,1	38	2	7,5	KTD6.0-9.9	✓	0,05
TD0800040JCR00	8,0	8,4	12	16	100,4	55,4	40	2	8	KTD6.0-9.9	✓	0,06
TD0850043JCR00	8,5	8,9	12	16	102,9	57,9	43	2	8,5	KTD6.0-9.9	✓	0,06
TD0900045JCR00	9,0	9,4	12	16	105,8	60,8	45	2	9	KTD6.0-9.9	✓	0,07
TD0950048JCR00	9,5	9,9	12	16	108,3	63,3	48	2	9,5	KTD6.0-9.9	✓	0,07
TD1000050JDR00	10,0	10,4	16	20	114,2	66,2	50	2	10	KTD10.0-19.9	✓	0,10
TD1050053JDR00	10,5	10,9	16	20	116,7	68,7	53	2	10,5	KTD10.0-19.9	✓	0,11
TD1100055JDR00	11,0	11,4	16	20	119,6	71,6	55	2	11	KTD10.0-19.9	✓	0,11
TD1150058JDR00	11,5	11,9	16	20	122,1	74,1	58	2	11,5	KTD10.0-19.9	✓	0,12
TD1200060JDR00	12,0	12,4	16	20	125	77,0	60	2	12	KTD10.0-19.9	✓	0,12
TD1250062JDR00	12,5	12,9	16	20	127,5	79,5	62	2	12,5	KTD10.0-19.9	✓	0,12
TD1300065JDR00	13,0	13,4	16	20	130,6	82,6	65	2	13	KTD10.0-19.9	✓	0,13
TD1350068JDR00	13,5	13,9	16	20	133,1	85,1	68	2	13,5	KTD10.0-19.9	✓	0,13
TD1400070JDR00	14,0	14,4	16	20	138,2	90,2	70	2	14	KTD10.0-19.9	✓	0,14
TD1450073JDR00	14,5	14,9	16	20	140,7	92,7	73	2	14,5	KTD10.0-19.9	✓	0,15
TD1500075JER00	15,0	15,9	20	25	148,7	98,7	75	2	15	KTD10.0-19.9	✓	0,21
TD1600080JER00	16,0	16,9	20	25	155,3	105,3	80	2	16	KTD10.0-19.9	✓	0,22
TD1700085JER00	17,0	17,9	20	25	161,9	111,9	85	2	17	KTD10.0-19.9	✓	0,23
TD1800090JFR00	18,0	18,9	25	32	174,5	118,5	90	2	18	KTD10.0-19.9	✓	0,36
TD1900095JFR00	19,0	19,9	25	32	181	125,0	95	2	19	KTD10.0-19.9	✓	0,38
TD2000100JFR00	20,0	20,9	25	32	187,6	131,6	100	2	20	KTD20.0-26.9	✓	0,39
TD2100105JFR00	21,0	21,9	25	32	194,2	138,2	105	2	21	KTD20.0-26.9	✓	0,40
TD2200110JFR00	22,0	22,9	25	32	200,8	144,8	110	2	22	KTD20.0-26.9	✓	0,43
TD2300115JGR00	23,0	23,9	32	42	211,3	151,3	115	2	23	KTD20.0-26.9	✓	0,56
TD2400120JGR00	24,0	24,9	32	42	217,9	157,9	120	2	24	KTD20.0-26.9	✓	0,60
TD2500125JGR00	25,0	25,9	32	42	224,5	164,5	125	2	25	KTD20.0-26.9	✓	0,65

GOLD TWIST HEAD CHANGEABLE DRILL 8D Ø7,0-Ø25,9

FORET À EMBOUT 8D Ø7,0-Ø25,9

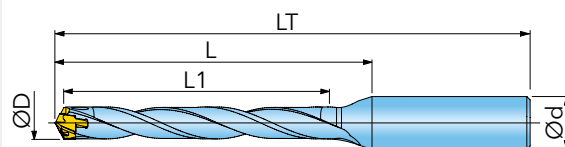
ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D min.	D max.	d	d1	LT	L	L1	Z	Ps	Key	IK	kg
TD0700056JCR00	7,0	7,4	12	16	115,6	70,6	56	2	7	KTD6.0-9.9	✓	0,06
TD0750060JCR00	7,5	7,9	12	16	119,6	74,6	60	2	7,5	KTD6.0-9.9	✓	0,06
TD0800064JCR00	8,0	8,4	12	16	124,4	79,4	64	2	8	KTD6.0-9.9	✓	0,07
TD0850068JCR00	8,5	8,9	12	16	128,4	83,4	68	2	8,5	KTD6.0-9.9	✓	0,07
TD0900072JCR00	9,0	9,4	12	16	132,8	87,8	72	2	9	KTD6.0-9.9	✓	0,08
TD0950076JCR00	9,5	9,9	12	16	136,8	91,8	76	2	9,5	KTD6.0-9.9	✓	0,08
TD1000080JDR00	10,0	10,4	16	20	144,2	96,2	80	2	10	KTD10.0-19.9	✓	0,11
TD1050084JDR00	10,5	10,9	16	20	148,2	100,2	84	2	10,5	KTD10.0-19.9	✓	0,12
TD1100088JDR00	11,0	11,4	16	20	152,6	104,6	88	2	11	KTD10.0-19.9	✓	0,12
TD1150092JDR00	11,5	11,9	16	20	156,6	108,6	92	2	11,5	KTD10.0-19.9	✓	0,13
TD1200096JDR00	12,0	12,4	16	20	161	113,0	96	2	12	KTD10.0-19.9	✓	0,13
TD1250100JDR00	12,5	12,9	16	20	165	117,0	100	2	12,5	KTD10.0-19.9	✓	0,13
TD1300104JDR00	13,0	13,4	16	20	169,6	121,6	104	2	13	KTD10.0-19.9	✓	0,14
TD1350108JDR00	13,5	13,9	16	20	173,6	125,6	108	2	13,5	KTD10.0-19.9	✓	0,15
TD1400112JDR00	14,0	14,4	16	20	180,2	132,2	112	2	14	KTD10.0-19.9	✓	0,16
TD1450116JDR00	14,5	14,9	16	20	184,2	136,2	116	2	14,5	KTD10.0-19.9	✓	0,18
TD1500120JER00	15,0	15,9	20	25	193,7	143,7	120	2	15	KTD10.0-19.9	✓	0,24
TD1600128JER00	16,0	16,9	20	25	203,3	153,3	128	2	16	KTD10.0-19.9	✓	0,26
TD1700136JER00	17,0	17,9	20	25	212,9	162,9	136	2	17	KTD10.0-19.9	✓	0,28
TD1800144JFR00	18,0	18,9	25	32	228,5	172,5	144	2	18	KTD10.0-19.9	✓	0,42
TD1900152JFR00	19,0	19,9	25	32	238	182,0	152	2	19	KTD10.0-19.9	✓	0,45
TD2000160JFR00	20,0	20,9	25	32	247,6	191,6	160	2	20	KTD20.0-26.9	✓	0,48
TD2100168JFR00	21,0	21,9	25	32	257,2	201,2	168	2	21	KTD20.0-26.9	✓	0,55
TD2200176JFR00	22,0	22,9	25	32	266,8	210,8	176	2	22	KTD20.0-26.9	✓	0,61
TD2300184JGR00	23,0	23,9	32	42	280,3	220,3	184	2	23	KTD20.0-26.9	✓	0,68
TD2400192JGR00	24,0	24,9	32	42	290	230,0	192	2	24	KTD20.0-26.9	✓	0,72
TD2500200JGR00	25,0	25,9	32	42	299,5	239,5	200	2	25	KTD20.0-26.9	✓	0,76

GOLD TWIST HEAD CHANGEABLE DRILL 8D Ø6,0-Ø25,9 (A) FORET À EMBOUT 8D Ø6,0-Ø25,9 (A)

ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT COMPATIBLE DIN 1835 A

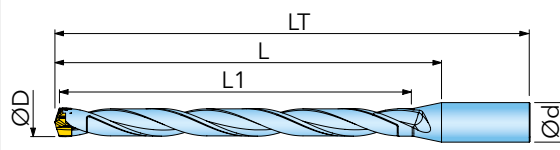


Designation Réf. de l'article	D min.	D max.	d	LT	L	L1	Z	Ps	Key	Ⓚ	kg
TD0600048T2R00	6,0	6,4	12	107	62	48	2	6	KTD6.0-9.9	✓	0,05
TD0650052T2R00	6,5	6,9	12	111,3	66,3	52	2	6,5	KTD6.0-9.9	✓	0,05
TD0700056T2R00	7,0	7,4	12	115,6	70,6	56	2	7	KTD6.0-9.9	✓	0,06
TD0750060T2R00	7,5	7,9	12	119,6	74,6	60	2	7	KTD6.0-9.9	✓	0,06
TD0800064T2R00	8,0	8,4	12	124,4	79,4	64	2	8	KTD6.0-9.9	✓	0,07
TD0850068T2R00	8,5	8,9	12	128,4	83,4	68	2	8	KTD6.0-9.9	✓	0,07
TD0900072T2R00	9,0	9,4	12	132,8	87,8	72	2	9	KTD6.0-9.9	✓	0,08
TD0950076T2R00	9,5	9,9	12	137,7	92,7	76	2	9	KTD6.0-9.9	✓	0,08
TD1000080T3R00	10,0	10,4	16	144,2	96,2	80	2	10	KTD10.0-19.9	✓	0,11
TD1050084T3R00	10,5	10,9	16	148,2	100,2	84	2	10	KTD10.0-19.9	✓	0,12
TD1100088T3R00	11,0	11,4	16	152,6	104,6	88	2	11	KTD10.0-19.9	✓	0,12
TD1150092T3R00	11,5	11,9	16	156,6	108,6	92	2	11	KTD10.0-19.9	✓	0,13
TD1200096T3R00	12,0	12,4	16	161	113,0	96	2	12	KTD10.0-19.9	✓	0,13
TD1250100T3R00	12,5	12,9	16	165	117,0	100	2	12	KTD10.0-19.9	✓	0,13
TD1300104T3R00	13,0	13,4	16	169,6	121,6	104	2	13	KTD10.0-19.9	✓	0,14
TD1350108T3R00	13,5	13,9	16	173,6	125,6	108	2	13	KTD10.0-19.9	✓	0,15
TD1400112T3R00	14,0	14,4	16	180,1	132,1	112	2	14	KTD10.0-19.9	✓	0,16
TD1450116T3R00	14,5	14,9	16	184,2	136,2	116	2	14	KTD10.0-19.9	✓	0,18
TD1500120T4R00	15,0	15,9	20	193,7	143,7	120	2	15	KTD10.0-19.9	✓	0,24
TD1600128T4R00	16,0	16,9	20	203,3	153,3	128	2	16	KTD10.0-19.9	✓	0,26
TD1700136T4R00	17,0	17,9	20	212,9	162,9	136	2	17	KTD10.0-19.9	✓	0,28
TD1800144T5R00	18,0	18,9	25	228,5	172,5	144	2	18	KTD10.0-19.9	✓	0,42
TD1900152T5R00	19,0	19,9	25	238	182,0	152	2	19	KTD10.0-19.9	✓	0,45
TD2000160T5R00	20,0	20,9	25	247,6	191,6	160	2	20	KTD20.0-26.9	✓	0,48
TD2100168T5R00	21,0	21,9	25	257,2	201,2	168	2	21	KTD20.0-26.9	✓	0,55
TD2200176T5R00	22,0	22,9	25	266,8	210,8	176	2	22	KTD20.0-26.9	✓	0,61
TD2300184U7R00	23,0	23,9	32	280,3	220,3	184	2	23	KTD20.0-26.9	✓	0,68
TD2400192U7R00	24,0	24,9	32	289,9	229,9	192	2	24	KTD20.0-26.9	✓	0,72
TD2500200U7R00	25,0	25,9	32	299,5	239,5	200	2	25	KTD20.0-26.9	✓	0,76

GOLD TWIST HEAD CHANGEABLE DRILL 12D Ø8,0-Ø25,9

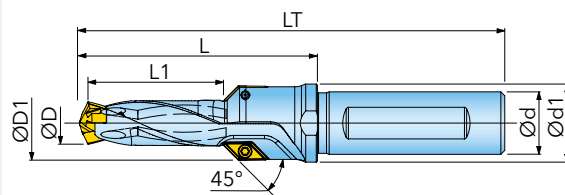
FORET À EMBOUT 12D Ø8,0-Ø25,9

ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT COMPATIBLE DIN 1835 A



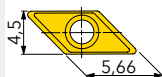
Designation Réf. de l'article	D min.	D max.	d	LT	L	L1	Z	Ps	Key	IK	kg
TD0800096T2R00	8,0	8,4	12	156,4	111,4	96	2	8	KTD6.0-9.9	✓	0,08
TD0850102T2R00	8,5	8,9	12	162,4	117,4	102	2	8	KTD6.0-9.9	✓	0,08
TD0900108T2R00	9,0	9,4	12	168,8	123,8	108	2	9	KTD6.0-9.9	✓	0,09
TD0950114T2R00	9,5	9,9	12	184,8	129,8	114	2	9	KTD6.0-9.9	✓	0,09
TD1000120T3R00	10,0	10,4	16	184,2	136,2	120	2	10	KTD10.0-19.0	✓	0,12
TD1050126T3R00	10,5	10,9	16	190,2	142,2	126	2	10	KTD10.0-19.0	✓	0,13
TD1100132T3R00	11,0	11,4	16	196,6	148,6	132	2	11	KTD10.0-19.0	✓	0,13
TD1150138T3R00	11,5	11,9	16	202,6	154,6	138	2	11	KTD10.0-19.0	✓	0,14
TD1200144T3R00	12,0	12,4	16	209	161,0	144	2	12	KTD10.0-19.9	✓	0,14
TD1250150T3R00	12,5	12,9	16	215	167,0	150	2	12	KTD10.0-19.9	✓	0,14
TD1300156T3R00	13,0	13,4	16	221,6	173,6	156	2	13	KTD10.0-19.9	✓	0,15
TD1350162T3R00	13,5	13,9	16	227,6	179,6	162	2	13	KTD10.0-19.9	✓	0,15
TD1400168T3R00	14,0	14,4	16	236,2	188,2	168	2	14	KTD10.0-19.9	✓	0,17
TD1450174T3R00	14,5	14,9	16	242,2	194,2	174	2	14	KTD10.0-19.9	✓	0,20
TD1500180T4R00	15,0	15,9	20	253,7	203,7	180	2	15	KTD10.0-19.9	✓	0,27
TD1600192T4R00	16,0	16,9	20	267,3	217,3	192	2	16	KTD10.0-19.9	✓	0,30
TD1700204T4R00	17,0	17,9	20	280,9	230,9	204	2	17	KTD10.0-19.9	✓	0,32
TD1800216T5R00	18,0	18,9	25	300,6	244,6	216	2	18	KTD10.0-19.9	✓	0,48
TD1900228T5R00	19,0	19,9	25	314	258,0	228	2	19	KTD10.0-19.9	✓	0,52
TD2000240T5R00	20,0	20,9	25	327,6	271,6	240	2	20	KTD20.0-26.9	✓	0,57
TD2100252T5R00	21,0	21,9	25	350	285,2	252	2	21	KTD20.0-26.9	✓	0,65
TD2200264T5R00	22,0	22,9	25	354,8	298,8	264	2	22	KTD20.0-26.9	✓	0,75
TD2300276U7R00	23,0	23,9	32	372,3	312,3	286	2	23	KTD20.0-26.9	✓	0,82
TD2400288U7R00	24,0	24,9	32	385,9	325,9	288	2	24	KTD20.0-26.9	✓	0,86
TD2500300U7R00	25,0	25,9	32	399,5	339,5	300	2	25	KTD20.0-26.9	✓	0,90

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D min.	D max.	D1	d	d1	LT	L	L1	Z	Ps	Key	IK	kg
TC0680021JCR01	6,5	6,9	13,5	12	16	90	45	21	2	6,5	KTD6.0-9.9	✓	0,06
TC0850026JCR01	8,5	8,9	15,5	12	16	95	50	26	2	8,5	KTD6.0-9.9	✓	0,07
TC1020030JDR01	10,0	10,4	17	16	20	102	54	30	2	10	KTD10.0-19.9	✓	0,08
TC1200035JDR01	12,0	12,4	19	16	20	109	61	35	2	12	KTD10.0-19.9	✓	0,10
TC1400039JER01	14,0	14,4	21	20	25	119	69	39	2	14	KTD10.0-19.9	✓	0,16
TC1750042JER01	17,0	17,9	24,5	20	27	122	72	42	2	17	KTD10.0-19.9	✓	0,23
TC2100048JFR01	21,0	21,9	28	25	32	136	80	48	2	21	KTD20.0-26.9	✓	0,30

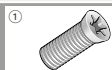
KOMT050104R



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2005	IN2505								
KOMT050104R	0,08/0,20	chamfering geometry / Géométrie à chanfreiner											

● = P ● = M ● = K ● = N ● = S ○ = H

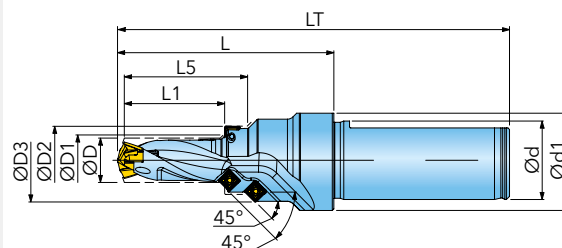
SPARE PARTS
ACCESSOIRES



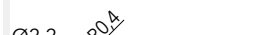
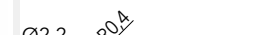
SM22-046-00

DS-T07S

① = Insert screw / Vis de serrage plaquelette ② = Screw driver / Tournevis



Designation Réf. de l'article	D	D1	D2	D3	d	d1	LT	L	L1	L5	Z	Ps	Key		
TC1020063JER00	10,2	13	17,8	22,6	20	28	114,3	64,3	28	34,2	2	10	KTD10.0-19.9	✓	0,17
TC1400067JFR00	14	17	21,8	26,6	25	32	125	69	32	39,2	2	14	KTD10.0-19.9	✓	0,27
TC2100086JGR00	21	25	33,8	38,6	32	45	148,7	88,7	51	60,2	2	21	KTD20.0-26.9	✓	0,49

SCLT050204N-HP		SHGT050204-HP		SCLT050204N					
									
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530		
SCLT050204N-HP	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4							
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4							
SCLT050204N	0,05/0,12	cast iron geometry R0,4 / Géométrie fonte R 0,4							

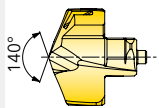
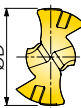
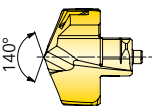
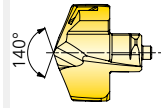
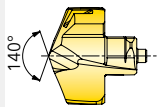
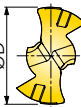
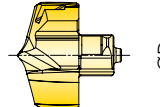
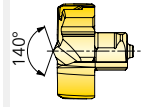
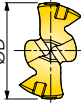
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

SM20-043-00 (0,7Nm) TXPLUS06x90-B

① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx

BORING HEADS FOR GOLDTWIST
EMBOUS DE PERÇAGE POUR GOLDTWIST

Steel / Acier Machining			Aluminium / Aluminium Machining			Cast / Fonte Machining		
								
Stainless Steel / Inox Machining			Steel-C / Acier-C Machining			Flat Bottom / Fond Plat (1,5xD/3xD/5xD) Machining		
								
Designation / Réf. de l'article								
D	Steel / Acier	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance	
4,0	TPA0400R01						IN 2505	
4,1	TPA0410R01						IN 2505	
4,2	TPA0420R01						IN 2505	
4,3	TPA0430R01						IN 2505	
4,4	TPA0440R01						IN 2505	
4,5	TPA0450R01						IN 2505	
4,6	TPA0460R01						IN 2505	
4,7	TPA0470R01						IN 2505	
4,8	TPA0480R01						IN 2505	
4,9	TPA0490R01						IN 2505	
5,0	TPA0500R01						IN 2505	
5,1	TPA0510R01						IN 2505	
5,2	TPA0520R01						IN 2505	
5,3	TPA0530R01						IN 2505	
5,4	TPA0540R01						IN 2505	
5,5	TPA0550R01						IN 2505	
5,6	TPA0560R01						IN 2505	
5,8	TPA0580R01						IN 2505	
5,9	TPA0590R01						IN 2505	
6,0		TNA0600R01					IN 05S	
6,0	TPA0600R01		TKA0600R01	TMA0600R01	TPC0600R01		IN 2505	
6,1	TPA0610R01		TKA0610R01	TMA0610R01			IN 2505	
6,2	TPA0620R01		TKA0620R01	TMA0620R01			IN 2505	
6,3	TPA0630R01		TKA0630R01	TMA0630R01			IN 2505	
6,4	TPA0640R01		TKA0640R01	TMA0640R01			IN 2505	
6,5		TNA0650R01					IN 05S	
6,5	TPA0650R01		TKA0650R01	TMA0650R01	TPC0650R01		IN 2505	
6,6	TPA0660R01		TKA0660R01	TMA0660R01			IN 2505	
6,7	TPA0670R01		TKA0670R01	TMA0670R01			IN 2505	
6,8		TNA0680R01					IN 05S	
6,8	TPA0680R01		TKA0680R01	TMA0680R01	TPC0680R01		IN 2505	
6,9	TPA0690R01		TKA0690R01	TMA0690R01			IN 2505	
7,0		TNA0700R01					IN 05S	
7,0	TPA0700R01		TKA0700R01	TMA0700R01	TPC0700R01	TPF0700R01	IN 2505	
7,1	TPA0710R01		TKA0710R01	TMA0710R01			IN 2505	
7,2	TPA0720R01		TKA0720R01	TMA0720R01			IN 2505	
7,3	TPA0730R01		TKA0730R01	TMA0730R01			IN 2505	
7,4	TPA0740R01		TKA0740R01	TMA0740R01			IN 2505	
7,5		TNA0750R01					IN 05S	
7,5	TPA0750R01		TKA0750R01	TMA0750R01	TPC0750R01	TPF0750R01	IN 2505	

BORING HEADS FOR GOLDTWIST
EMBOUTS DE PERÇAGE POUR GOLDTWIST

D	Designation / Réf. de l'article						
	Steel / Acier	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance
7,6	TPA0760R01		TKA0760R01	TMA0760R01			IN 2505
7,7	TPA0770R01		TKA0770R01	TMA0770R01			IN 2505
7,8	TPA0780R01		TKA0780R01	TMA0780R01			IN 2505
7,9	TPA0790R01		TKA0790R01	TMA0790R01			IN 2505
8,0		TNA0800R01					IN 05S
8,0	TPA0800R01		TKA0800R01	TMA0800R01	TPC0800R01	TPF0800R01	IN 2505
8,1	TPA0810R01		TKA0810R01	TMA0810R01			IN 2505
8,2	TPA0820R01		TKA0820R01	TMA0820R01			IN 2505
8,3	TPA0830R01		TKA0830R01	TMA0830R01			IN 2505
8,4	TPA0840R01		TKA0840R01	TMA0840R01			IN 2505
8,5		TNA0850R01					IN 05S
8,5	TPA0850R01		TKA0850R01	TMA0850R01	TPC0850R01	TPF0850R01	IN 2505
8,6	TPA0860R01		TKA0860R01	TMA0860R01			IN 2505
8,7	TPA0870R01		TKA0870R01	TMA0870R01			IN 2505
8,8	TPA0880R01		TKA0880R01	TMA0880R01			IN 2505
8,9	TPA0890R01		TKA0890R01	TMA0890R01			IN 2505
9,0		TNA0900R01					IN 05S
9,0	TPA0900R01		TKA0900R01	TMA0900R01	TPC0900R01	TPF0900R01	IN 2505
9,1	TPA0910R01		TKA0910R01	TMA0910R01			IN 2505
9,2	TPA0920R01		TKA0920R01	TMA0920R01			IN 2505
9,3	TPA0930R01		TKA0930R01	TMA0930R01			IN 2505
9,4	TPA0940R01		TKA0940R01	TMA0940R01			IN 2505
9,5		TNA0950R01					IN 05S
9,5	TPA0950R01		TKA0950R01	TMA0950R01	TPC0950R01	TPF0950R01	IN 2505
9,6	TPA0960R01		TKA0960R01	TMA0960R01			IN 2505
9,7	TPA0970R01		TKA0970R01	TMA0970R01			IN 2505
9,8	TPA0980R01		TKA0980R01	TMA0980R01			IN 2505
9,9	TPA0990R01		TKA0990R01	TMA0990R01			IN 2505
10,0		TNA1000R01					IN 05S
10,0	TPA1000R01		TKA1000R01	TMA1000R01	TPC1000R01	TPF1000R01	IN 2505
10,1	TPA1010R01		TKA1010R01	TMA1010R01			IN 2505
10,2		TNA1020R01					IN 05S
10,2	TPA1020R01		TKA1020R01	TMA1020R01	TPC1020R01		IN 2505
10,3	TPA1030R01		TKA1030R01	TMA1030R01			IN 2505
10,4	TPA1040R01		TKA1040R01	TMA1040R01			IN 2505
10,5		TNA1050R01					IN 05S
10,5	TPA1050R01		TKA1050R01	TMA1050R01	TPC1050R01	TPF1050R01	IN 2505
10,6	TPA1060R01		TKA1060R01	TMA1060R01			IN 2505
10,7	TPA1070R01		TKA1070R01	TMA1070R01			IN 2505
10,8	TPA1080R01		TKA1080R01	TMA1080R01			IN 2505
10,9	TPA1090R01		TKA1090R01	TMA1090R01			IN 2505
11,0		TNA1100R01					IN 05S
11,0	TPA1100R01		TKA1100R01	TMA1100R01	TPC1100R01	TPF1100R01	IN 2505
11,1	TPA1110R01		TKA1110R01	TMA1110R01			IN 2505
11,2	TPA1120R01		TKA1120R01	TMA1120R01			IN 2505
11,3	TPA1130R01		TKA1130R01	TMA1130R01			IN 2505
11,4	TPA1140R01		TKA1140R01	TMA1140R01			IN 2505
11,5		TNA1150R01					IN 05S
11,5	TPA1150R01		TKA1150R01	TMA1150R01	TPC1150R01	TPF1150R01	IN 2505
11,6	TPA1160R01		TKA1160R01	TMA1160R01			IN 2505

BORING HEADS FOR GOLDTWIST
EMBOUS DE PERÇAGE POUR GOLDTWIST

D	Designation / Réf. de l'article						
	Steel / Acier	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance
11,7	TPA1170R01		TKA1170R01	TMA1170R01			IN 2505
11,8	TPA1180R01		TKA1180R01	TMA1180R01			IN 2505
11,9	TPA1190R01		TKA1190R01	TMA1190R01			IN 2505
12,0		TNA1200R01					IN 05S
12,0	TPA1200R01		TKA1200R01	TMA1200R01	TPC1200R01	TPF1200R01	IN 2505
12,1	TPA1210R01		TKA1210R01	TMA1210R01			IN 2505
12,2	TPA1220R01		TKA1220R01	TMA1220R01			IN 2505
12,3	TPA1230R01		TKA1230R01	TMA1230R01			IN 2505
12,4	TPA1240R01		TKA1240R01	TMA1240R01			IN 2505
12,5		TNA1250R01					IN 05S
12,5	TPA1250R01		TKA1250R01	TMA1250R01	TPC1250R01	TPF1250R01	IN 2505
12,6	TPA1260R01		TKA1260R01	TMA1260R01			IN 2505
12,7	TPA1270R01		TKA1270R01	TMA1270R01	TPC1270R01		IN 2505
12,8	TPA1280R01		TKA1280R01	TMA1280R01			IN 2505
12,9	TPA1290R01		TKA1290R01	TMA1290R01			IN 2505
13,0		TNA1300R01					IN 05S
13,0	TPA1300R01		TKA1300R01	TMA1300R01	TPC1300R01	TPF1300R01	IN 2505
13,1	TPA1310R01		TKA1310R01	TMA1310R01			IN 2505
13,2	TPA1320R01		TKA1320R01	TMA1320R01			IN 2505
13,3	TPA1330R01		TKA1330R01	TMA1330R01			IN 2505
13,4	TPA1340R01		TKA1340R01	TMA1340R01			IN 2505
13,5		TNA1350R01					IN 05S
13,5	TPA1350R01		TKA1350R01	TMA1350R01	TPC1350R01	TPF1350R01	IN 2505
13,6	TPA1360R01		TKA1360R01	TMA1360R01			IN 2505
13,7	TPA1370R01		TKA1370R01	TMA1370R01			IN 2505
13,8	TPA1380R01		TKA1380R01	TMA1380R01			IN 2505
13,9	TPA1390R01		TKA1390R01	TMA1390R01			IN 2505
14,0		TNA1400R01					IN 05S
14,0	TPA1400R01		TKA1400R01	TMA1400R01	TPC1400R01	TPF1400R01	IN 2505
14,1	TPA1410R01		TKA1410R01	TMA1410R01			IN 2505
14,2	TPA1420R01		TKA1420R01	TMA1420R01			IN 2505
14,3	TPA1430R01		TKA1430R01	TMA1430R01			IN 2505
14,4	TPA1440R01		TKA1440R01	TMA1440R01			IN 2505
14,5		TNA1450R01					IN 05S
14,5	TPA1450R01		TKA1450R01	TMA1450R01	TPC1450R01	TPF1450R01	IN 2505
14,6	TPA1460R01		TKA1460R01	TMA1460R01			IN 2505
14,7	TPA1470R01		TKA1470R01	TMA1470R01			IN 2505
14,8	TPA1480R01		TKA1480R01	TMA1480R01			IN 2505
14,9	TPA1490R01		TKA1490R01	TMA1490R01			IN 2505
15,0		TNA1500R01					IN 05S
15,0	TPA1500R01		TKA1500R01	TMA1500R01	TPC1500R01	TPF1500R01	IN 2505
15,1	TPA1510R01		TKA1510R01	TMA1510R01			IN 2505
15,2	TPA1520R01		TKA1520R01	TMA1520R01			IN 2505
15,3	TPA1530R01		TKA1530R01	TMA1530R01			IN 2505
15,4	TPA1540R01		TKA1540R01	TMA1540R01			IN 2505
15,5		TNA1550R01					IN 05S
15,5	TPA1550R01		TKA1550R01	TMA1550R01	TPC1550R01	TPF1550R01	IN 2505
15,6	TPA1560R01		TKA1560R01	TMA1560R01			IN 2505
15,7	TPA1570R01		TKA1570R01	TMA1570R01			IN 2505
15,8	TPA1580R01		TKA1580R01	TMA1580R01			IN 2505



BORING HEADS FOR GOLDTWIST
EMBOUTS DE PERÇAGE POUR GOLDTWIST

Designation / Réf. de l'article							
D	Steel / Acier	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance
15,9	TPA1590R01		TKA1590R01	TMA1590R01			IN 2505
16,0		TNA1600R01					IN 05S
16,0	TPA1600R01		TKA1600R01	TMA1600R01	TPC1600R01	TPF1600R01	IN 2505
16,1	TPA1610R01		TKA1610R01	TMA1610R01			IN 2505
16,2	TPA1620R01		TKA1620R01	TMA1620R01			IN 2505
16,3	TPA1630R01		TKA1630R01	TMA1630R01			IN 2505
16,4	TPA1640R01		TKA1640R01	TMA1640R01			IN 2505
16,5		TNA1650R01					IN 05S
16,5	TPA1650R01		TKA1650R01	TMA1650R01	TPC1650R01	TPF1650R01	IN 2505
16,6	TPA1660R01		TKA1660R01	TMA1660R01			IN 2505
16,7	TPA1670R01		TKA1670R01	TMA1670R01			IN 2505
16,8	TPA1680R01		TKA1680R01	TMA1680R01			IN 2505
16,9	TPA1690R01		TKA1690R01	TMA1690R01			IN 2505
17,0		TNA1700R01					IN 05S
17,0	TPA1700R01		TKA1700R01	TMA1700R01	TPC1700R01	TPF1700R01	IN 2505
17,1	TPA1710R01		TKA1710R01	TMA1710R01			IN 2505
17,2	TPA1720R01		TKA1720R01	TMA1720R01			IN 2505
17,3	TPA1730R01		TKA1730R01	TMA1730R01			IN 2505
17,4	TPA1740R01		TKA1740R01	TMA1740R01			IN 2505
17,5		TNA1750R01					IN 05S
17,5	TPA1750R01		TKA1750R01	TMA1750R01	TPC1750R01	TPF1750R01	IN 2505
17,6	TPA1760R01		TKA1760R01	TMA1760R01			IN 2505
17,7	TPA1770R01		TKA1770R01	TMA1770R01			IN 2505
17,8	TPA1780R01		TKA1780R01	TMA1780R01			IN 2505
17,9	TPA1790R01		TKA1790R01	TMA1790R01			IN 2505
18,0		TNA1800R01					IN 05S
18,0	TPA1800R01		TKA1800R01	TMA1800R01	TPC1800R01	TPF1800R01	IN 2505
18,1	TPA1810R01		TKA1810R01	TMA1810R01			IN 2505
18,2	TPA1820R01		TKA1820R01	TMA1820R01			IN 2505
18,3	TPA1830R01		TKA1830R01	TMA1830R01			IN 2505
18,4	TPA1840R01		TKA1840R01	TMA1840R01			IN 2505
18,5		TNA1850R01					IN 05S
18,5	TPA1850R01		TKA1850R01	TMA1850R01	TPC1850R01	TPF1850R01	IN 2505
18,6	TPA1860R01		TKA1860R01	TMA1860R01			IN 2505
18,7	TPA1870R01		TKA1870R01	TMA1870R01			IN 2505
18,8	TPA1880R01		TKA1880R01	TMA1880R01			IN 2505
18,9	TPA1890R01		TKA1890R01	TMA1890R01			IN 2505
19,0		TNA1900R01					IN 05S
19,0	TPA1900R01		TKA1900R01	TMA1900R01	TPC1900R01	TPF1900R01	IN 2505
19,1	TPA1910R01		TKA1910R01	TMA1910R01			IN 2505
19,2	TPA1920R01		TKA1920R01	TMA1920R01			IN 2505
19,3	TPA1930R01		TKA1930R01	TMA1930R01			IN 2505
19,4	TPA1940R01		TKA1940R01	TMA1940R01			IN 2505
19,5		TNA1950R01					IN 05S
19,5	TPA1950R01		TKA1950R01	TMA1950R01	TPC1950R01	TPF1950R01	IN 2505
19,6	TPA1960R01		TKA1960R01	TMA1960R01			IN 2505
19,7	TPA1970R01		TKA1970R01	TMA1970R01			IN 2505
19,8	TPA1980R01		TKA1980R01	TMA1980R01			IN 2505
19,9	TPA1990R01		TKA1990R01	TMA1990R01			IN 2505
20,0		TNA2000R01					IN 05S

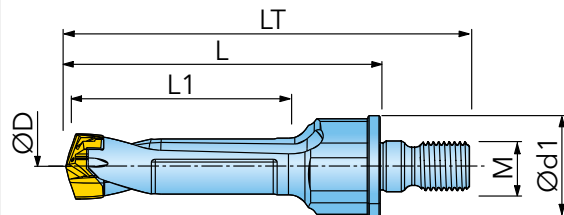
BORING HEADS FOR GOLDT WIST
EMBOUTS DE PERÇAGE POUR GOLDT WIST

D	Designation / Réf. de l'article						
	Steel / Acier	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance
20,0	TPA2000R01		TKA2000R01	TMA2000R01	TPC2000R01	TPF2000R01	IN 2505
20,1	TPA2010R01		TKA2010R01	TMA2010R01			IN 2505
20,2	TPA2020R01		TKA2020R01	TMA2020R01			IN 2505
20,3	TPA2030R01		TKA2030R01	TMA2030R01			IN 2505
20,4	TPA2040R01		TKA2040R01	TMA2040R01			IN 2505
20,5		TNA2050R01					IN 05S
20,5	TPA2050R01		TKA2050R01	TMA2050R01	TPC2050R01	TPF2050R01	IN 2505
20,6	TPA2060R01		TKA2060R01	TMA2060R01			IN 2505
20,7	TPA2070R01		TKA2070R01	TMA2070R01			IN 2505
20,8	TPA2080R01		TKA2080R01	TMA2080R01			IN 2505
20,9	TPA2090R01		TKA2090R01	TMA2090R01			IN 2505
21,0		TNA2100R01					IN 05S
21,0	TPA2100R01		TKA2100R01	TMA2100R01	TPC2100R01	TPF2100R01	IN 2505
21,1	TPA2110R01		TKA2110R01	TMA2110R01			IN 2505
21,2	TPA2120R01		TKA2120R01	TMA2120R01			IN 2505
21,3	TPA2130R01		TKA2130R01	TMA2130R01			IN 2505
21,4	TPA2140R01		TKA2140R01	TMA2140R01			IN 2505
21,5		TNA2150R01					IN 05S
21,5	TPA2150R01		TKA2150R01	TMA2150R01	TPC2150R01	TPF2150R01	IN 2505
21,6	TPA2160R01		TKA2160R01	TMA2160R01			IN 2505
21,7	TPA2170R01		TKA2170R01	TMA2170R01			IN 2505
21,8	TPA2180R01		TKA2180R01	TMA2180R01			IN 2505
21,9	TPA2190R01		TKA2190R01	TMA2190R01			IN 2505
22,0		TNA2200R01					IN 05S
22,0	TPA2200R01		TKA2200R01	TMA2200R01	TPC2200R01	TPF2200R01	IN 2505
22,1	TPA2210R01		TKA2210R01	TMA2210R01			IN 2505
22,2	TPA2220R01		TKA2220R01	TMA2220R01			IN 2505
22,3	TPA2230R01		TKA2230R01	TMA2230R01			IN 2505
22,4	TPA2240R01		TKA2240R01	TMA2240R01			IN 2505
22,5		TNA2250R01					IN 05S
22,5	TPA2250R01		TKA2250R01	TMA2250R01	TPC2250R01	TPF2250R01	IN 2505
22,6	TPA2260R01		TKA2260R01	TMA2260R01			IN 2505
22,7	TPA2270R01		TKA2270R01	TMA2270R01			IN 2505
22,8	TPA2280R01		TKA2280R01	TMA2280R01			IN 2505
22,9	TPA2290R01		TKA2290R01	TMA2290R01			IN 2505
23,0		TNA2300R01					IN 05S
23,0	TPA2300R01		TKA2300R01	TMA2300R01	TPC2300R01	TPF2300R01	IN 2505
23,1	TPA2310R01		TKA2310R01	TMA2310R01			IN 2505
23,2	TPA2320R01		TKA2320R01	TMA2320R01			IN 2505
23,3	TPA2330R01		TKA2330R01	TMA2330R01			IN 2505
23,4	TPA2340R01		TKA2340R01	TMA2340R01			IN 2505
23,5		TNA2350R01					IN 05S
23,5	TPA2350R01		TKA2350R01	TMA2350R01	TPC2350R01	TPF2350R01	IN 2505
23,6	TPA2360R01		TKA2360R01	TMA2360R01			IN 2505
23,7	TPA2370R01		TKA2370R01	TMA2370R01			IN 2505
23,8	TPA2380R01		TKA2380R01	TMA2380R01			IN 2505
23,9	TPA2390R01		TKA2390R01	TMA2390R01			IN 2505
24,0		TNA2400R01					IN 05S
24,0	TPA2400R01		TKA2400R01	TMA2400R01	TPC2400R01	TPF2400R01	IN 2505
24,1	TPA2410R01		TKA2410R01	TMA2410R01			IN 2505

BORING HEADS FOR GOLDTWIST
EMBOUTS DE PERÇAGE POUR GOLDTWIST

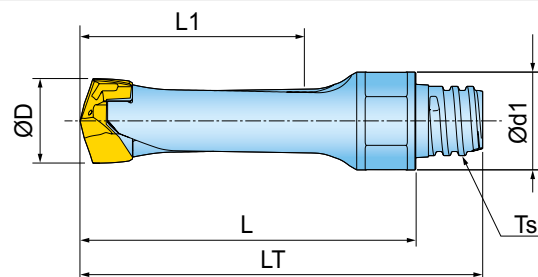
D	Designation / Réf. de l'article						
	Steel / Acier	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance
24,2	TPA2420R01		TKA2420R01	TMA2420R01			IN 2505
24,3	TPA2430R01		TKA2430R01	TMA2430R01			IN 2505
24,4	TPA2440R01		TKA2440R01	TMA2440R01			IN 2505
24,5		TNA2450R01					IN 05S
24,5	TPA2450R01		TKA2450R01	TMA2450R01	TPC2450R01	TPF2450R01	IN 2505
24,6	TPA2460R01		TKA2460R01	TMA2460R01			IN 2505
24,7	TPA2470R01		TKA2470R01	TMA2470R01			IN 2505
24,8	TPA2480R01		TKA2480R01	TMA2480R01			IN 2505
24,9	TPA2490R01		TKA2490R01	TMA2490R01			IN 2505
25,0		TNA2500R01					IN 05S
25,0	TPA2500R01		TKA2500R01	TMA2500R01	TPC2500R01	TPF2500R01	IN 2505
25,1	TPA2510R01		TKA2510R01	TMA2510R01			IN 2505
25,2	TPA2520R01		TKA2520R01	TMA2520R01			IN 2505
25,3	TPA2530R01		TKA2530R01	TMA2530R01			IN 2505
25,4	TPA2540R01		TKA2540R01	TMA2540R01			IN 2505
25,5		TNA2550R01					IN 05S
25,5	TPA2550R01		TKA2550R01	TMA2550R01	TPC2550R01	TPF2550R01	IN 2505
25,6	TPA2560R01		TKA2560R01	TMA2560R01			IN 2505
25,7	TPA2570R01		TKA2570R01	TMA2570R01			IN 2505
25,8	TPA2580R01		TKA2580R01	TMA2580R01			IN 2505
25,9	TPA2590R01		TKA2590R01	TMA2590R01	TPC2590R01		IN 2505

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ



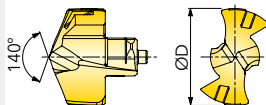
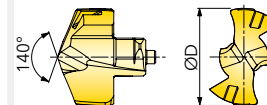
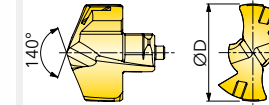
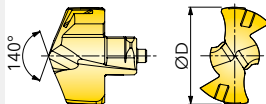
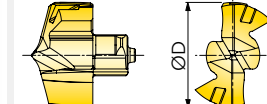
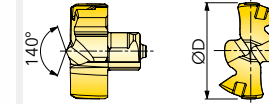
Designation Réf. de l'article	D min.	D max.	d1	LT	L	L1	M	Z	Ps	Key	ⓘ	kg
TD0600018X7R00	6,0	6,4	25	64,0	42,0	19,0	M12	2	6	KTD6.0-9.9	✓	0,075
TD0650020X7R00	6,5	6,9	25	66,3	44,3	20,7	M12	2	6,5	KTD6.0-9.9	✓	0,100
TD0700021X7R00	7,0	7,4	25	67,6	45,6	22,0	M12	2	7	KTD6.0-9.9	✓	0,105
TD0750023X7R00	7,5	7,9	25	69,6	47,6	23,6	M12	2	7,5	KTD6.0-9.9	✓	0,105
TD0800024X7R00	8,0	8,4	25	71,4	49,4	25,2	M12	2	8	KTD6.0-9.9	✓	0,105
TD0850026X7R00	8,5	8,9	25	72,4	50,4	26,8	M12	2	8,5	KTD6.0-9.9	✓	0,105
TD0900027X7R00	9,0	9,4	25	74,8	52,8	28,4	M12	2	9	KTD6.0-9.9	✓	0,075
TD0950029X7R00	9,5	9,9	25	76,8	54,8	29,9	M12	2	9,5	KTD6.0-9.9	✓	0,110
TD1000030X7R00	10,0	10,4	25	78,2	56,2	31,5	M12	2	10	KTD10.0-19.9	✓	0,115
TD1050032X7R00	10,5	10,9	25	80,2	58,2	33,1	M12	2	10,5	KTD10.0-19.9	✓	0,110
TD1100033X7R00	11,0	11,4	25	81,6	59,6	34,7	M12	2	11	KTD10.0-19.9	✓	0,110
TD1150035X7R00	11,5	11,9	25	83,6	61,6	36,3	M12	2	11,5	KTD10.0-19.9	✓	0,110
TD1200036X7R00	12,0	12,4	25	85,0	63,0	37,8	M12	2	12	KTD10.0-19.9	✓	0,124
TD1250038X7R00	12,5	12,9	25	86,0	64,0	39,4	M12	2	12,5	KTD10.0-19.9	✓	0,115
TD1300039X7R00	13,0	13,4	25	88,6	66,6	41,0	M12	2	13	KTD10.0-19.9	✓	0,120
TD1350041X7R00	13,5	13,9	25	90,6	68,6	42,6	M12	2	13,5	KTD10.0-19.9	✓	0,130
TD1400042X7R00	14,0	14,4	25	92,2	70,2	44,1	M12	2	14	KTD10.0-19.9	✓	0,125
TD1450044X7R00	14,5	14,9	25	94,2	72,2	45,7	M12	2	14,5	KTD10.0-19.9	✓	0,135
TD1500045X7R00	15,0	15,9	25	95,7	73,7	47,3	M12	2	15	KTD10.0-19.9	✓	0,145
TD1600048X7R00	16,0	16,9	25	99,3	77,3	50,4	M12	2	16	KTD10.0-19.9	✓	0,140
TD1700051X7R00	17,0	17,9	25	102,9	80,9	53,6	M12	2	17	KTD10.0-19.9	✓	0,155
TD1800054X7R00	18,0	18,9	25	106,5	84,5	56,7	M12	2	18	KTD10.0-19.9	✓	0,165
TD1900057X7R00	19,0	19,9	25	110,0	88,0	59,9	M12	2	19	KTD10.0-19.9	✓	0,180
TD2000060X7R00	20,0	20,9	25	113,6	91,6	63	M12	2	20	KTD20.0-26.9	✓	0,210

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



Designation Réf. de l'article	D min.	D max.	d1	LT	L	L1	Ts	Z	Key	IK	kg
TD0600012T6R00	6,0	6,4	9,6	34,3	28,0	13,0	T6	2	KTD6,0-9,9	✓	0,08
TD0800019T6R00	8,0	8,4	9,6	39,2	32,9	17,2	T6	2	KTD6,0-9,9	✓	0,09
TD1000020T8R00	10,0	10,4	11,6	47,3	39,8	21,5	T8	2	KTD10,0-19,9	✓	0,13

BORING HEADS FOR WINTWIST
EMBOUS DE PERÇAGE POUR WINTWIST

Aluminium / Aluminium Machining			Cast / Fonte Machining			Stainless Steel / Inox Machining		
								
Steel / Acier Machining			Steel-C / Acier-C Machining			Flat Bottom / Fond Plat (1,5xD/3xD/5xD) Machining		
								
Designation / Réf. de l'article								
D	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel / Acier	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance	
6,0	TNA0600R01							IN 05S
6,0		TKA0600R01	TMA0600R01	TPA0600R01	TPC0600R01			IN 2505
6,1		TKA0610R01	TMA0610R01	TPA0610R01				IN 2505
6,2		TKA0620R01	TMA0620R01	TPA0620R01				IN 2505
6,3		TKA0630R01	TMA0630R01	TPA0630R01				IN 2505
6,4		TKA0640R01	TMA0640R01	TPA0640R01				IN 2505
6,5	TNA0650R01							IN 05S
6,5		TKA0650R01	TMA0650R01	TPA0650R01	TPC0650R01			IN 2505
6,6		TKA0660R01	TMA0660R01	TPA0660R01				IN 2505
6,7		TKA0670R01	TMA0670R01	TPA0670R01				IN 2505
6,8	TNA0680R01							IN 05S
6,8		TKA0680R01	TMA0680R01	TPA0680R01	TPC0680R01			IN 2505
6,9		TKA0690R01	TMA0690R01	TPA0690R01				IN 2505
7,0	TNA0700R01							IN 05S
7,0		TKA0700R01	TMA0700R01	TPA0700R01	TPC0700R01	TPF0700R01		IN 2505
7,1		TKA0710R01	TMA0710R01	TPA0710R01				IN 2505
7,2		TKA0720R01	TMA0720R01	TPA0720R01				IN 2505
7,3		TKA0730R01	TMA0730R01	TPA0730R01				IN 2505
7,4		TKA0740R01	TMA0740R01	TPA0740R01				IN 2505
7,5	TNA0750R01							IN 05S
7,5		TKA0750R01	TMA0750R01	TPA0750R01	TPC0750R01	TPF0750R01		IN 2505
7,6		TKA0760R01	TMA0760R01	TPA0760R01				IN 2505
7,7		TKA0770R01	TMA0770R01	TPA0770R01				IN 2505
7,8		TKA0780R01	TMA0780R01	TPA0780R01				IN 2505
7,9		TKA0790R01	TMA0790R01	TPA0790R01				IN 2505
8,0	TNA0800R01							IN 05S
8,0		TKA0800R01	TMA0800R01	TPA0800R01	TPC0800R01	TPF0800R01		IN 2505
8,1		TKA0810R01	TMA0810R01	TPA0810R01				IN 2505
8,2		TKA0820R01	TMA0820R01	TPA0820R01				IN 2505
8,3		TKA0830R01	TMA0830R01	TPA0830R01				IN 2505
8,4		TKA0840R01	TMA0840R01	TPA0840R01				IN 2505
8,5	TNA0850R01							IN 05S
8,5		TKA0850R01	TMA0850R01	TPA0850R01	TPC0850R01	TPF0850R01		IN 2505
8,6		TKA0860R01	TMA0860R01	TPA0860R01				IN 2505
8,7		TKA0870R01	TMA0870R01	TPA0870R01				IN 2505
8,8		TKA0880R01	TMA0880R01	TPA0880R01				IN 2505
8,9		TKA0890R01	TMA0890R01	TPA0890R01				IN 2505
9,0	TNA0900R01							IN 05S
9,0		TKA0900R01	TMA0900R01	TPA0900R01	TPC0900R01	TPF0900R01		IN 2505
9,1		TKA0910R01	TMA0910R01	TPA0910R01				IN 2505

BORING HEADS FOR WINTWIST
EMBOUTS DE PERÇAGE POUR WINTWIST

D	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel / Acier	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance
9,2		TKA0920R01	TMA0920R01	TPA0920R01			IN 2505
9,3		TKA0930R01	TMA0930R01	TPA0930R01			IN 2505
9,4		TKA0940R01	TMA0940R01	TPA0940R01			IN 2505
9,5	TNA0950R01						IN 05S
9,5		TKA0950R01	TMA0950R01	TPA0950R01	TPC0950R01	TPF0950R01	IN 2505
9,6		TKA0960R01	TMA0960R01	TPA0960R01			IN 2505
9,7		TKA0970R01	TMA0970R01	TPA0970R01			IN 2505
9,8		TKA0980R01	TMA0980R01	TPA0980R01			IN 2505
9,9		TKA0990R01	TMA0990R01	TPA0990R01			IN 2505
10,0	TNA1000R01						IN 05S
10,0		TKA1000R01	TMA1000R01	TPA1000R01	TPC1000R01	TPF1000R01	IN 2505
10,1		TKA1010R01	TMA1010R01	TPA1010R01			IN 2505
10,2	TNA1020R01						IN 05S
10,2		TKA1020R01	TMA1020R01	TPA1020R01	TPC1020R01		IN 2505
10,3		TKA1030R01	TMA1030R01	TPA1030R01			IN 2505
10,4		TKA1040R01	TMA1040R01	TPA1040R01			IN 2505
10,5	TNA1050R01						IN 05S
10,5		TKA1050R01	TMA1050R01	TPA1050R01	TPC1050R01	TPF1050R01	IN 2505
10,6		TKA1060R01	TMA1060R01	TPA1060R01			IN 2505
10,7		TKA1070R01	TMA1070R01	TPA1070R01			IN 2505
10,8		TKA1080R01	TMA1080R01	TPA1080R01			IN 2505
10,9		TKA1090R01	TMA1090R01	TPA1090R01			IN 2505
11,0	TNA1100R01						IN 05S
11,0		TKA1100R01	TMA1100R01	TPA1100R01	TPC1100R01	TPF1100R01	IN 2505
11,1		TKA1110R01	TMA1110R01	TPA1110R01			IN 2505
11,2		TKA1120R01	TMA1120R01	TPA1120R01			IN 2505
11,3		TKA1130R01	TMA1130R01	TPA1130R01			IN 2505
11,4		TKA1140R01	TMA1140R01	TPA1140R01			IN 2505
11,5	TNA1150R01						IN 05S
11,5		TKA1150R01	TMA1150R01	TPA1150R01	TPC1150R01	TPF1150R01	IN 2505
11,6		TKA1160R01	TMA1160R01	TPA1160R01			IN 2505
11,7		TKA1170R01	TMA1170R01	TPA1170R01			IN 2505
11,8		TKA1180R01	TMA1180R01	TPA1180R01			IN 2505
11,9		TKA1190R01	TMA1190R01	TPA1190R01			IN 2505
12,0	TNA1200R01						IN 05S
12,0		TKA1200R01	TMA1200R01	TPA1200R01	TPC1200R01	TPF1200R01	IN 2505
12,1		TKA1210R01	TMA1210R01	TPA1210R01			IN 2505
12,2		TKA1220R01	TMA1220R01	TPA1220R01			IN 2505
12,3		TKA1230R01	TMA1230R01	TPA1230R01			IN 2505
12,4		TKA1240R01	TMA1240R01	TPA1240R01			IN 2505
12,5	TNA1250R01						IN 05S
12,5		TKA1250R01	TMA1250R01	TPA1250R01	TPC1250R01	TPF1250R01	IN 2505
12,6		TKA1260R01	TMA1260R01	TPA1260R01			IN 2505
12,7		TKA1270R01	TMA1270R01	TPA1270R01	TPC1270R01		IN 2505
12,8		TKA1280R01	TMA1280R01	TPA1280R01			IN 2505
12,9		TKA1290R01	TMA1290R01	TPA1290R01			IN 2505
13,0	TNA1300R01						IN 05S
13,0		TKA1300R01	TMA1300R01	TPA1300R01	TPC1300R01	TPF1300R01	IN 2505
13,1		TKA1310R01	TMA1310R01	TPA1310R01			IN 2505
13,2		TKA1320R01	TMA1320R01	TPA1320R01			IN 2505

BORING HEADS FOR WINTWIST
EMBOUS DE PERÇAGE POUR WINTWIST

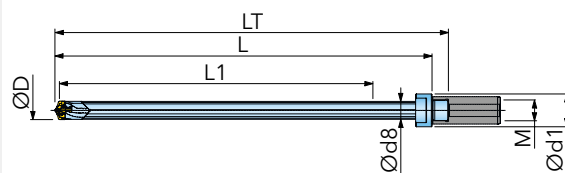
Designation / Réf. de l'article							
D	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel / Acier	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance
13,3		TKA1330R01	TMA1330R01	TPA1330R01			IN 2505
13,4		TKA1340R01	TMA1340R01	TPA1340R01			IN 2505
13,5	TNA1350R01						IN 05S
13,5		TKA1350R01	TMA1350R01	TPA1350R01	TPC1350R01	TPF1350R01	IN 2505
13,6		TKA1360R01	TMA1360R01	TPA1360R01			IN 2505
13,7		TKA1370R01	TMA1370R01	TPA1370R01			IN 2505
13,8		TKA1380R01	TMA1380R01	TPA1380R01			IN 2505
13,9		TKA1390R01	TMA1390R01	TPA1390R01			IN 2505
14,0	TNA1400R01						IN 05S
14,0		TKA1400R01	TMA1400R01	TPA1400R01	TPC1400R01	TPF1400R01	IN 2505
14,1		TKA1410R01	TMA1410R01	TPA1410R01			IN 2505
14,2		TKA1420R01	TMA1420R01	TPA1420R01			IN 2505
14,3		TKA1430R01	TMA1430R01	TPA1430R01			IN 2505
14,4		TKA1440R01	TMA1440R01	TPA1440R01			IN 2505
14,5	TNA1450R01						IN 05S
14,5		TKA1450R01	TMA1450R01	TPA1450R01	TPC1450R01	TPF1450R01	IN 2505
14,6		TKA1460R01	TMA1460R01	TPA1460R01			IN 2505
14,7		TKA1470R01	TMA1470R01	TPA1470R01			IN 2505
14,8		TKA1480R01	TMA1480R01	TPA1480R01			IN 2505
14,9		TKA1490R01	TMA1490R01	TPA1490R01			IN 2505
15,0	TNA1500R01						IN 05S
15,0		TKA1500R01	TMA1500R01	TPA1500R01	TPC1500R01	TPF1500R01	IN 2505
15,1		TKA1510R01	TMA1510R01	TPA1510R01			IN 2505
15,2		TKA1520R01	TMA1520R01	TPA1520R01			IN 2505
15,3		TKA1530R01	TMA1530R01	TPA1530R01			IN 2505
15,4		TKA1540R01	TMA1540R01	TPA1540R01			IN 2505
15,5	TNA1550R01						IN 05S
15,5		TKA1550R01	TMA1550R01	TPA1550R01	TPC1550R01	TPF1550R01	IN 2505
15,6		TKA1560R01	TMA1560R01	TPA1560R01			IN 2505
15,7		TKA1570R01	TMA1570R01	TPA1570R01			IN 2505
15,8		TKA1580R01	TMA1580R01	TPA1580R01			IN 2505
15,9		TKA1590R01	TMA1590R01	TPA1590R01			IN 2505
16,0	TNA1600R01						IN 05S
16,0		TKA1600R01	TMA1600R01	TPA1600R01	TPC1600R01	TPF1600R01	IN 2505
16,1		TKA1610R01	TMA1610R01	TPA1610R01			IN 2505
16,2		TKA1620R01	TMA1620R01	TPA1620R01			IN 2505
16,3		TKA1630R01	TMA1630R01	TPA1630R01			IN 2505
16,4		TKA1640R01	TMA1640R01	TPA1640R01			IN 2505
16,5	TNA1650R01						IN 05S
16,5		TKA1650R01	TMA1650R01	TPA1650R01	TPC1650R01	TPF1650R01	IN 2505
16,6		TKA1660R01	TMA1660R01	TPA1660R01			IN 2505
16,7		TKA1670R01	TMA1670R01	TPA1670R01			IN 2505
16,8		TKA1680R01	TMA1680R01	TPA1680R01			IN 2505
16,9		TKA1690R01	TMA1690R01	TPA1690R01			IN 2505
17,0	TNA1700R01						IN 05S
17,0		TKA1700R01	TMA1700R01	TPA1700R01	TPC1700R01	TPF1700R01	IN 2505
17,1		TKA1710R01	TMA1710R01	TPA1710R01			IN 2505
17,2		TKA1720R01	TMA1720R01	TPA1720R01			IN 2505
17,3		TKA1730R01	TMA1730R01	TPA1730R01			IN 2505
17,4		TKA1740R01	TMA1740R01	TPA1740R01			IN 2505



BORING HEADS FOR WINTWIST
EMBOUTS DE PERÇAGE POUR WINTWIST

Designation / Réf. de l'article							
D	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel / Acier	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance
17,5	TNA1750R01						IN 05S
17,5		TKA1750R01	TMA1750R01	TPA1750R01	TPC1750R01	TPF1750R01	IN 2505
17,6		TKA1760R01	TMA1760R01	TPA1760R01			IN 2505
17,7		TKA1770R01	TMA1770R01	TPA1770R01			IN 2505
17,8		TKA1780R01	TMA1780R01	TPA1780R01			IN 2505
17,9		TKA1790R01	TMA1790R01	TPA1790R01			IN 2505
18,0	TNA1800R01						IN 05S
18,0		TKA1800R01	TMA1800R01	TPA1800R01	TPC1800R01	TPF1800R01	IN 2505
18,1		TKA1810R01	TMA1810R01	TPA1810R01			IN 2505
18,2		TKA1820R01	TMA1820R01	TPA1820R01			IN 2505
18,3		TKA1830R01	TMA1830R01	TPA1830R01			IN 2505
18,4		TKA1840R01	TMA1840R01	TPA1840R01			IN 2505
18,5	TNA1850R01						IN 05S
18,5		TKA1850R01	TMA1850R01	TPA1850R01	TPC1850R01	TPF1850R01	IN 2505
18,6		TKA1860R01	TMA1860R01	TPA1860R01			IN 2505
18,7		TKA1870R01	TMA1870R01	TPA1870R01			IN 2505
18,8		TKA1880R01	TMA1880R01	TPA1880R01			IN 2505
18,9		TKA1890R01	TMA1890R01	TPA1890R01			IN 2505
19,0	TNA1900R01						IN 05S
19,0		TKA1900R01	TMA1900R01	TPA1900R01	TPC1900R01	TPF1900R01	IN 2505
19,1		TKA1910R01	TMA1910R01	TPA1910R01			IN 2505
19,2		TKA1920R01	TMA1920R01	TPA1920R01			IN 2505
19,3		TKA1930R01	TMA1930R01	TPA1930R01			IN 2505
19,4		TKA1940R01	TMA1940R01	TPA1940R01			IN 2505
19,5	TNA1950R01						IN 05S
19,5		TKA1950R01	TMA1950R01	TPA1950R01	TPC1950R01	TPF1950R01	IN 2505
19,6		TKA1960R01	TMA1960R01	TPA1960R01			IN 2505
19,7		TKA1970R01	TMA1970R01	TPA1970R01			IN 2505
19,8		TKA1980R01	TMA1980R01	TPA1980R01			IN 2505
19,9		TKA1990R01	TMA1990R01	TPA1990R01			IN 2505
20,0	TNA2000R01						IN 05S
20,0		TKA2000R01	TMA2000R01	TPA2000R01	TPC2000R01	TPF2000R01	IN 2505
20,1		TKA2010R01	TMA2010R01	TPA2010R01			IN 2505
20,2		TKA2020R01	TMA2020R01	TPA2020R01			IN 2505
20,3		TKA2030R01	TMA2030R01	TPA2030R01			IN 2505
20,4		TKA2040R01	TMA2040R01	TPA2040R01			IN 2505
20,5	TNA2050R01						IN 05S
20,5		TKA2050R01	TMA2050R01	TPA2050R01	TPC2050R01	TPF2050R01	IN 2505
20,6		TKA2060R01	TMA2060R01	TPA2060R01			IN 2505
20,7		TKA2070R01	TMA2070R01	TPA2070R01			IN 2505
20,8		TKA2080R01	TMA2080R01	TPA2080R01			IN 2505
20,9		TKA2090R01	TMA2090R01	TPA2090R01			IN 2505

MUDULAR DEEPTWIST
ATTACHEMENT MODULAIRE DEEPTWIST



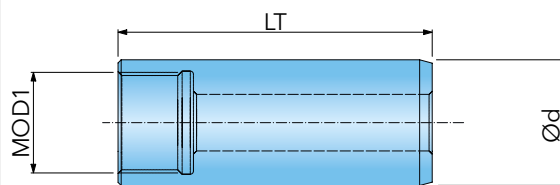
Designation Réf. de l'article	D	D min.	D max.	d1	d8	LT	L	L1	H	f	M	Z	Key	IK	kg
TD1000200MTR00	10,0	10,0	10,4	24	9,6	285,5	274	200	10	10	M16x1	2	KTD10.0-19.9	✓	0,140
TD1000400MTR00	10,0	10,0	10,4	24	9,6	485,5	474	400	10	10	M16x1	2	KTD10.0-19.9	✓	0,175
TD1050200MTR00	10,5	10,5	10,9	24	10,1	285,5	274	200	10	10	M16x1	2	KTD10.0-19.9	✓	0,140
TD1050400MTR00	10,5	10,5	10,9	24	10,1	485,5	474	400	10	10	M16x1	2	KTD10.0-19.9	✓	0,185
TD1100200MTR00	11,0	11,0	11,4	24	10,6	286,5	275	200	10	10	M16x1	2	KTD10.0-19.9	✓	0,140
TD1100400MTR00	11,0	11,0	11,4	24	10,6	485,5	474	400	10	10	M16x1	2	KTD10.0-19.9	✓	0,200
TD1150200MTR00	11,5	11,5	11,9	24	11,1	286,5	275	200	10	10	M16x1	2	KTD10.0-19.9	✓	0,150
TD1150400MTR00	11,5	11,5	11,9	24	11,1	485,5	474	400	10	10	M16x1	2	KTD10.0-19.9	✓	0,220
TD1200200MTR00	12,0	12,0	12,4	24	11,6	286,5	275	200	10	12	M16x1	2	KTD10.0-19.9	✓	0,160
TD1200400MTR00	12,0	12,0	12,4	24	11,6	486,5	475	400	10	10	M16x1	2	KTD10.0-19.9	✓	0,240
TD1250200MTR00	12,5	12,5	12,9	24	12,1	286,5	275	200	12	12	M16x1	2	KTD10.0-19.9	✓	0,170
TD1250400MTR00	12,5	12,5	12,9	24	12,1	486,5	475	400	12	12	M16x1	2	KTD10.0-19.9	✓	0,260
TD1300200MTR00	13,0	13,0	13,4	24	12,6	287,5	276	200	12	13	M16x1	2	KTD10.0-19.9	✓	0,180
TD1300250MTR00	13,0	13,0	13,4	24	12,6	337,5	326	250	12	13	M16x1	2	KTD10.0-19.9	✓	0,190
TD1300400MTR00	13,0	13,0	13,4	24	12,6	487,5	476	400	12	13	M16x1	2	KTD10.0-19.9	✓	0,270
TD1350200MTR00	13,5	13,5	13,9	24	13,1	287,5	276	200	12	13	M16x1	2	KTD10.0-19.9	✓	0,190
TD1350250MTR00	13,5	13,5	13,9	24	13,1	337,5	326	250	12	13	M16x1	2	KTD10.0-19.9	✓	0,210
TD1350400MTR00	13,5	13,5	13,9	24	13,1	487,5	476	400	12	13	M16x1	2	KTD10.0-19.9	✓	0,290
TD1400200MTR00	14,0	14,0	14,4	24	13,6	287,5	276	200	12	14	M16x1	2	KTD10.0-19.9	✓	0,210
TD1400250MTR00	14,0	14,0	14,4	24	13,6	337,5	326	250	12	14	M16x1	2	KTD10.0-19.9	✓	0,230
TD1400400MTR00	14,0	14,0	14,4	24	13,6	487,5	476	400	12	14	M16x1	2	KTD10.0-19.9	✓	0,310
TD1450200MTR00	14,5	14,5	14,9	24	14,1	287,5	276	200	12	14	M16x1	2	KTD10.0-19.9	✓	0,220
TD1450250MTR00	14,5	14,5	14,9	24	14,1	337,5	326	250	12	14	M16x1	2	KTD10.0-19.9	✓	0,235
TD1450400MTR00	14,5	14,5	14,9	24	14,1	487,5	476	400	12	14	M16x1	2	KTD10.0-19.9	✓	0,330
TD1500400MTR00	15,0	15,0	15,9	24	14,6	495,5	484	400	12	15	M16x1	2	KTD10.0-19.9	✓	0,350
TD1600400MUR00	16,0	16,0	16,9	34	15,4	495,5	484	400	12	16	M20x1	2	KTD10.0-19.9	✓	0,410
TD1700400MUR00	17,0	17,0	17,9	34	16,4	496,5	485	400	12	16	M20x1	2	KTD10.0-19.9	✓	0,490
TD1800400MUR00	18,0	18,0	18,9	34	17,4	497,5	486	400	12	16	M20x1	2	KTD10.0-19.9	✓	0,510
TD1900400MUR00	19,0	19,0	19,9	34	18,4	497,5	486	400	12	19	M20x1	2	KTD10.0-19.9	✓	0,540
TD2000400MUR00	20,0	20,0	20,9	34	19,4	498,5	487	400	12	20	M20x1	2	KTD20.0-26.9	✓	0,580
TD2100400MUR00	21,0	21,0	21,9	34	20,4	514,5	503	400	21	22	M20x1	2	KTD20.0-26.9	✓	0,630
TD2200400MUR00	22,0	22,0	22,9	34	21,4	515,5	504	400	21	22	M20x1	2	KTD20.0-26.9	✓	0,700
TD2300400MUR00	23,0	23,0	23,9	34	22,4	515,5	504	400	21	22	M20x1	2	KTD20.0-26.9	✓	0,780
TD2400400MUR00	24,0	24,0	24,9	34	23,4	516,5	505	400	21	22	M20x1	2	KTD20.0-26.9	✓	0,895
TD2500400MUR00	25,0	25,0	25,9	34	24,4	517,5	506	400	21	25	M20x1	2	KTD20.0-26.9	✓	1,215

DEEPTWIST SLEEVE WITH THREAD CONNECTION MANCHON AVEC RACCORD FILETÉ

cylindrical shank / Queue Cylindrique



modular / Modulaire



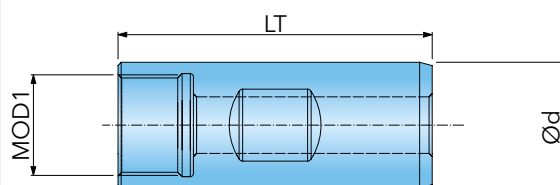
Designation Réf. de l'article	MOD1	d	LT		
GDV10-MF16X1-M-C20	M16x1	20	50	✓	11
GDV11-MF20X1-M-C25	M20x1	25	56	✓	21
GDV12-MF20X1-M-C32	M20x1	32	60	✓	34
GDV13-MF20X1-M-C40	M20x1	40	70	✓	65

DEEPTWIST SLEEVE WITH THREAD CONNECTION WELDON MANCHON WELDON AVEC RACCORD FILETÉ

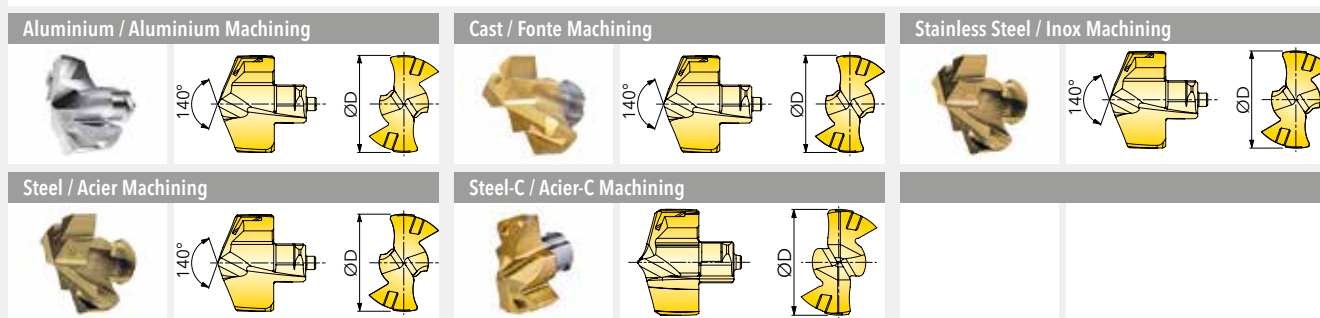
DIN 6359/ DIN1835-B / DIN 6359/ DIN1835-B



modular / Modulaire



Designation Réf. de l'article	MOD1	d	LT		
GDV22-MF16X1-M-W20	M16x1	20	50	✓	0,10
GDV23-MF20X1-M-W25	M20x1	25	56	✓	0,20
GDV24-MF20X1-M-W32	M20x1	32	60	✓	0,33
GDV25-MF20X1-M-W40	M20x1	40	70	✓	0,63

BORING HEADS FOR DEEPTWIST
EMBOUTS DE PERÇAGE POUR DEEPTWIST


Designation / Réf. de l'article						
D	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel / Acier	Steel-C / Acier-C	Grade / Nuance
10,0	TNA1000R01					IN 05S
10,0		TKA1000R01	TMA1000R01	TPA1000R01	TPC1000R01	IN 2505
10,1		TKA1010R01	TMA1010R01	TPA1010R01		IN 2505
10,2	TNA1020R01					IN 05S
10,2		TKA1020R01	TMA1020R01	TPA1020R01	TPC1020R01	IN 2505
10,3		TKA1030R01	TMA1030R01	TPA1030R01		IN 2505
10,4		TKA1040R01	TMA1040R01	TPA1040R01		IN 2505
10,5	TNA1050R01					IN 05S
10,5		TKA1050R01	TMA1050R01	TPA1050R01	TPC1050R01	IN 2505
10,6		TKA1060R01	TMA1060R01	TPA1060R01		IN 2505
10,7		TKA1070R01	TMA1070R01	TPA1070R01		IN 2505
10,8		TKA1080R01	TMA1080R01	TPA1080R01		IN 2505
10,9		TKA1090R01	TMA1090R01	TPA1090R01		IN 2505
11,0	TNA1100R01					IN 05S
11,0		TKA1100R01	TMA1100R01	TPA1100R01	TPC1100R01	IN 2505
11,1		TKA1110R01	TMA1110R01	TPA1110R01		IN 2505
11,2		TKA1120R01	TMA1120R01	TPA1120R01		IN 2505
11,3		TKA1130R01	TMA1130R01	TPA1130R01		IN 2505
11,4		TKA1140R01	TMA1140R01	TPA1140R01		IN 2505
11,5	TNA1150R01					IN 05S
11,5		TKA1150R01	TMA1150R01	TPA1150R01	TPC1150R01	IN 2505
11,6		TKA1160R01	TMA1160R01	TPA1160R01		IN 2505
11,7		TKA1170R01	TMA1170R01	TPA1170R01		IN 2505
11,8		TKA1180R01	TMA1180R01	TPA1180R01		IN 2505
11,9		TKA1190R01	TMA1190R01	TPA1190R01		IN 2505
12,0	TNA1200R01					IN 05S
12,0		TKA1200R01	TMA1200R01	TPA1200R01	TPC1200R01	IN 2505
12,1		TKA1210R01	TMA1210R01	TPA1210R01		IN 2505
12,2		TKA1220R01	TMA1220R01	TPA1220R01		IN 2505
12,3		TKA1230R01	TMA1230R01	TPA1230R01		IN 2505
12,4		TKA1240R01	TMA1240R01	TPA1240R01		IN 2505
12,5	TNA1250R01					IN 05S
12,5		TKA1250R01	TMA1250R01	TPA1250R01	TPC1250R01	IN 2505
12,6		TKA1260R01	TMA1260R01	TPA1260R01		IN 2505
12,7		TKA1270R01	TMA1270R01	TPA1270R01	TPC1270R01	IN 2505
12,8		TKA1280R01	TMA1280R01	TPA1280R01		IN 2505
12,9		TKA1290R01	TMA1290R01	TPA1290R01		IN 2505
13,0	TNA1300R01					IN 05S
13,0		TKA1300R01	TMA1300R01	TPA1300R01	TPC1300R01	IN 2505
13,1		TKA1310R01	TMA1310R01	TPA1310R01		IN 2505

BORING HEADS FOR DEEPTWIST
EMBOUTS DE PERÇAGE POUR DEEPTWIST

D	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel / Acier	Steel-C / Acier-C	Grade / Nuance
13,2		TKA1320R01	TMA1320R01	TPA1320R01		IN 2505
13,3		TKA1330R01	TMA1330R01	TPA1330R01		IN 2505
13,4		TKA1340R01	TMA1340R01	TPA1340R01		IN 2505
13,5	TNA1350R01					IN 05S
13,5		TKA1350R01	TMA1350R01	TPA1350R01	TPC1350R01	IN 2505
13,6		TKA1360R01	TMA1360R01	TPA1360R01		IN 2505
13,7		TKA1370R01	TMA1370R01	TPA1370R01		IN 2505
13,8		TKA1380R01	TMA1380R01	TPA1380R01		IN 2505
13,9		TKA1390R01	TMA1390R01	TPA1390R01		IN 2505
14,0	TNA1400R01					IN 05S
14,0		TKA1400R01	TMA1400R01	TPA1400R01	TPC1400R01	IN 2505
14,1		TKA1410R01	TMA1410R01	TPA1410R01		IN 2505
14,2		TKA1420R01	TMA1420R01	TPA1420R01		IN 2505
14,3		TKA1430R01	TMA1430R01	TPA1430R01		IN 2505
14,4		TKA1440R01	TMA1440R01	TPA1440R01		IN 2505
14,5	TNA1450R01					IN 05S
14,5		TKA1450R01	TMA1450R01	TPA1450R01	TPC1450R01	IN 2505
14,6		TKA1460R01	TMA1460R01	TPA1460R01		IN 2505
14,7		TKA1470R01	TMA1470R01	TPA1470R01		IN 2505
14,8		TKA1480R01	TMA1480R01	TPA1480R01		IN 2505
14,9		TKA1490R01	TMA1490R01	TPA1490R01		IN 2505
15,0	TNA1500R01					IN 05S
15,0		TKA1500R01	TMA1500R01	TPA1500R01	TPC1500R01	IN 2505
15,1		TKA1510R01	TMA1510R01	TPA1510R01		IN 2505
15,2		TKA1520R01	TMA1520R01	TPA1520R01		IN 2505
15,3		TKA1530R01	TMA1530R01	TPA1530R01		IN 2505
15,4		TKA1540R01	TMA1540R01	TPA1540R01		IN 2505
15,5	TNA1550R01					IN 05S
15,5		TKA1550R01	TMA1550R01	TPA1550R01	TPC1550R01	IN 2505
15,6		TKA1560R01	TMA1560R01	TPA1560R01		IN 2505
15,7		TKA1570R01	TMA1570R01	TPA1570R01		IN 2505
15,8		TKA1580R01	TMA1580R01	TPA1580R01		IN 2505
15,9		TKA1590R01	TMA1590R01	TPA1590R01		IN 2505
16,0	TNA1600R01					IN 05S
16,0		TKA1600R01	TMA1600R01	TPA1600R01	TPC1600R01	IN 2505
16,1		TKA1610R01	TMA1610R01	TPA1610R01		IN 2505
16,2		TKA1620R01	TMA1620R01	TPA1620R01		IN 2505
16,3		TKA1630R01	TMA1630R01	TPA1630R01		IN 2505
16,4		TKA1640R01	TMA1640R01	TPA1640R01		IN 2505
16,5	TNA1650R01					IN 05S
16,5		TKA1650R01	TMA1650R01	TPA1650R01	TPC1650R01	IN 2505
16,6		TKA1660R01	TMA1660R01	TPA1660R01		IN 2505
16,7		TKA1670R01	TMA1670R01	TPA1670R01		IN 2505
16,8		TKA1680R01	TMA1680R01	TPA1680R01		IN 2505
16,9		TKA1690R01	TMA1690R01	TPA1690R01		IN 2505
17,0	TNA1700R01					IN 05S
17,0		TKA1700R01	TMA1700R01	TPA1700R01	TPC1700R01	IN 2505
17,1		TKA1710R01	TMA1710R01	TPA1710R01		IN 2505
17,2		TKA1720R01	TMA1720R01	TPA1720R01		IN 2505
17,3		TKA1730R01	TMA1730R01	TPA1730R01		IN 2505

BORING HEADS FOR DEEPTWIST
 EMBOUTS DE PERÇAGE POUR DEEPTWIST

Designation / Réf. de l'article						
D	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel / Acier	Steel-C / Acier-C	Grade / Nuance
17,4	TNA1750R01	TKA1740R01	TMA1740R01	TPA1740R01	TPC1750R01	IN 2505
17,5						IN 05S
17,5		TKA1750R01	TMA1750R01	TPA1750R01		IN 2505
17,6		TKA1760R01	TMA1760R01	TPA1760R01		IN 2505
17,7		TKA1770R01	TMA1770R01	TPA1770R01		IN 2505
17,8		TKA1780R01	TMA1780R01	TPA1780R01		IN 2505
17,9		TKA1790R01	TMA1790R01	TPA1790R01		IN 2505
18,0	TNA1800R01					IN 05S
18,0		TKA1800R01	TMA1800R01	TPA1800R01	TPC1800R01	IN 2505
18,1		TKA1810R01	TMA1810R01	TPA1810R01		IN 2505
18,2		TKA1820R01	TMA1820R01	TPA1820R01		IN 2505
18,3		TKA1830R01	TMA1830R01	TPA1830R01		IN 2505
18,4		TKA1840R01	TMA1840R01	TPA1840R01		IN 2505
18,5	TNA1850R01					IN 05S
18,5		TKA1850R01	TMA1850R01	TPA1850R01	TPC1850R01	IN 2505
18,6		TKA1860R01	TMA1860R01	TPA1860R01		IN 2505
18,7		TKA1870R01	TMA1870R01	TPA1870R01		IN 2505
18,8		TKA1880R01	TMA1880R01	TPA1880R01		IN 2505
18,9		TKA1890R01	TMA1890R01	TPA1890R01		IN 2505
19,0	TNA1900R01					IN 05S
19,0		TKA1900R01	TMA1900R01	TPA1900R01	TPC1900R01	IN 2505
19,1		TKA1910R01	TMA1910R01	TPA1910R01		IN 2505
19,2		TKA1920R01	TMA1920R01	TPA1920R01		IN 2505
19,3		TKA1930R01	TMA1930R01	TPA1930R01		IN 2505
19,4		TKA1940R01	TMA1940R01	TPA1940R01		IN 2505
19,5	TNA1950R01					IN 05S
19,5		TKA1950R01	TMA1950R01	TPA1950R01	TPC1950R01	IN 2505
19,6		TKA1960R01	TMA1960R01	TPA1960R01		IN 2505
19,7		TKA1970R01	TMA1970R01	TPA1970R01		IN 2505
19,8		TKA1980R01	TMA1980R01	TPA1980R01		IN 2505
19,9		TKA1990R01	TMA1990R01	TPA1990R01		IN 2505
20,0	TNA2000R01					IN 05S
20,0		TKA2000R01	TMA2000R01	TPA2000R01	TPC2000R01	IN 2505
20,1		TKA2010R01	TMA2010R01	TPA2010R01		IN 2505
20,2		TKA2020R01	TMA2020R01	TPA2020R01		IN 2505
20,3		TKA2030R01	TMA2030R01	TPA2030R01		IN 2505
20,4		TKA2040R01	TMA2040R01	TPA2040R01		IN 2505
20,5	TNA2050R01					IN 05S
20,5		TKA2050R01	TMA2050R01	TPA2050R01	TPC2050R01	IN 2505
20,6		TKA2060R01	TMA2060R01	TPA2060R01		IN 2505
20,7		TKA2070R01	TMA2070R01	TPA2070R01		IN 2505
20,8		TKA2080R01	TMA2080R01	TPA2080R01		IN 2505
20,9		TKA2090R01	TMA2090R01	TPA2090R01		IN 2505
21,0	TNA2100R01					IN 05S
21,0		TKA2100R01	TMA2100R01	TPA2100R01	TPC2100R01	IN 2505
21,1		TKA2110R01	TMA2110R01	TPA2110R01		IN 2505
21,2		TKA2120R01	TMA2120R01	TPA2120R01		IN 2505
21,3		TKA2130R01	TMA2130R01	TPA2130R01		IN 2505
21,4		TKA2140R01	TMA2140R01	TPA2140R01		IN 2505
21,5	TNA2150R01					IN 05S



BORING HEADS FOR DEEPTWIST
EMBOUTS DE PERÇAGE POUR DEEPTWIST

D	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel / Acier	Steel-C / Acier-C	Grade / Nuance
21,5		TKA2150R01	TMA2150R01	TPA2150R01	TPC2150R01	IN 2505
21,6		TKA2160R01	TMA2160R01	TPA2160R01		IN 2505
21,7		TKA2170R01	TMA2170R01	TPA2170R01		IN 2505
21,8		TKA2180R01	TMA2180R01	TPA2180R01		IN 2505
21,9		TKA2190R01	TMA2190R01	TPA2190R01		IN 2505
22,0	TNA2200R01					IN 05S
22,0		TKA2200R01	TMA2200R01	TPA2200R01	TPC2200R01	IN 2505
22,1		TKA2210R01	TMA2210R01	TPA2210R01		IN 2505
22,2		TKA2220R01	TMA2220R01	TPA2220R01		IN 2505
22,3		TKA2230R01	TMA2230R01	TPA2230R01		IN 2505
22,4		TKA2240R01	TMA2240R01	TPA2240R01		IN 2505
22,5	TNA2250R01					IN 05S
22,5		TKA2250R01	TMA2250R01	TPA2250R01	TPC2250R01	IN 2505
22,6		TKA2260R01	TMA2260R01	TPA2260R01		IN 2505
22,7		TKA2270R01	TMA2270R01	TPA2270R01		IN 2505
22,8		TKA2280R01	TMA2280R01	TPA2280R01		IN 2505
22,9		TKA2290R01	TMA2290R01	TPA2290R01		IN 2505
23,0	TNA2300R01					IN 05S
23,0		TKA2300R01	TMA2300R01	TPA2300R01	TPC2300R01	IN 2505
23,1		TKA2310R01	TMA2310R01	TPA2310R01		IN 2505
23,2		TKA2320R01	TMA2320R01	TPA2320R01		IN 2505
23,3		TKA2330R01	TMA2330R01	TPA2330R01		IN 2505
23,4		TKA2340R01	TMA2340R01	TPA2340R01		IN 2505
23,5	TNA2350R01					IN 05S
23,5		TKA2350R01	TMA2350R01	TPA2350R01	TPC2350R01	IN 2505
23,6		TKA2360R01	TMA2360R01	TPA2360R01		IN 2505
23,7		TKA2370R01	TMA2370R01	TPA2370R01		IN 2505
23,8		TKA2380R01	TMA2380R01	TPA2380R01		IN 2505
23,9		TKA2390R01	TMA2390R01	TPA2390R01		IN 2505
24,0	TNA2400R01					IN 05S
24,0		TKA2400R01	TMA2400R01	TPA2400R01	TPC2400R01	IN 2505
24,1		TKA2410R01	TMA2410R01	TPA2410R01		IN 2505
24,2		TKA2420R01	TMA2420R01	TPA2420R01		IN 2505
24,3		TKA2430R01	TMA2430R01	TPA2430R01		IN 2505
24,4		TKA2440R01	TMA2440R01	TPA2440R01		IN 2505
24,5	TNA2450R01					IN 05S
24,5		TKA2450R01	TMA2450R01	TPA2450R01	TPC2450R01	IN 2505
24,6		TKA2460R01	TMA2460R01	TPA2460R01		IN 2505
24,7		TKA2470R01	TMA2470R01	TPA2470R01		IN 2505
24,8		TKA2480R01	TMA2480R01	TPA2480R01		IN 2505
24,9		TKA2490R01	TMA2490R01	TPA2490R01		IN 2505
25,0	TNA2500R01					IN 05S
25,0		TKA2500R01	TMA2500R01	TPA2500R01	TPC2500R01	IN 2505
25,1		TKA2510R01	TMA2510R01	TPA2510R01		IN 2505
25,2		TKA2520R01	TMA2520R01	TPA2520R01		IN 2505
25,3		TKA2530R01	TMA2530R01	TPA2530R01		IN 2505
25,4		TKA2540R01	TMA2540R01	TPA2540R01		IN 2505
25,5	TNA2550R01					IN 05S
25,5		TKA2550R01	TMA2550R01	TPA2550R01	TPC2550R01	IN 2505
25,6		TKA2560R01	TMA2560R01	TPA2560R01		IN 2505

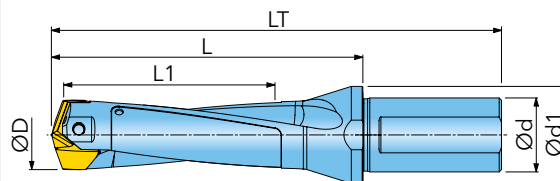
BORING HEADS FOR DEEPTWIST
EMBOUTS DE PERÇAGE POUR DEEPTWIST

D	Designation / Réf. de l'article					Grade / Nuance
	Aluminium / Aluminium	Cast / Fonte	Stainless Steel / Inox	Steel / Acier	Steel-C / Acier-C	
25,7		TKA2570R01	TMA2570R01	TPA2570R01		IN 2505
25,8		TKA2580R01	TMA2580R01	TPA2580R01		IN 2505
25,9		TKA2590R01	TMA2590R01	TPA2590R01	TPC2590R01	IN 2505



SPADETWIST HEAD CHANGEABLE DRILL 3D Ø20,0-Ø41,0 FORET À LAME 3D Ø20,0-Ø41,0

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	Z	Ps	IK	kg
LD2000060JFR00	20	20,0	20,9	25	32	148,1	92,1	60	2	20	✓	0,320
LD2100063JFR00	21	21,0	21,9	25	32	151,3	95,3	63	2	21	✓	0,330
LD2200066JFR00	22	22,0	22,9	25	32	154,4	98,4	66	2	22	✓	0,340
LD2300069JFR00	23	23,0	23,9	25	32	157,6	101,6	69	2	23	✓	0,350
LD2400072JGR00	24	24,0	24,9	32	40	170,7	110,7	72	2	24	✓	0,650
LD2500075JGR00	25	25,0	25,9	32	40	173,9	113,9	75	2	25	✓	0,660
LD2600078JGR00	26	26,0	26,9	32	40	177	117,0	78	2	26	✓	0,680
LD2700081JGR00	27	27,0	27,9	32	40	180	120,0	81	2	27	✓	0,690
LD2800084JGR00	28	28,0	28,9	32	40	188,4	128,4	84	2	28	✓	0,790
LD2900087JGR00	29	29,0	29,9	32	40	191,4	131,4	87	2	29	✓	0,860
LD3000090JGR00	30	30,0	30,9	32	42	194,7	134,7	90	2	30	✓	0,510
LD3100093JGR00	31	31,0	31,9	32	42	197,7	137,7	93	2	31	✓	0,800
LD3200096JHR00	32	32,0	32,9	40	48	211	143,0	96	2	32	✓	1,200
LD3300099JHR00	33	33,0	33,9	40	48	214	146,0	99	2	33	✓	1,280
LD3400102JHR00	34	34,0	34,9	40	48	217	149,0	102	2	34	✓	1,365
LD3500105JHR00	35	35,0	35,9	40	48	220,4	152,4	105	2	35	✓	1,360
LD3600108JHR00	36	36,0	36,9	40	48	223,4	155,4	108	2	36	✓	1,260
LD3700111JHR00	37	37,0	37,9	40	48	226,4	158,4	111	2	37	✓	1,420
LD3800114JHR00	38	38,0	38,9	40	50	234,9	166,9	114	2	38	✓	1,850
LD3900117JHR00	39	39,0	39,9	40	50	237,9	169,9	117	2	39	✓	0,470
LD4000120JHR00	40	40,0	41,0	40	50	240,9	172,9	120	2	40	✓	1,730

SPARE PARTS ACCESSOIRES

①



②



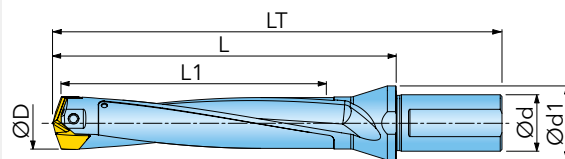
Diameter Range / Diamètres

20 - 21	TS 40178D25	DS-T20T
22 - 23	TS 40198D28	DS-T20T
24 - 25	TS 40210D3	DS-T20T
26 - 27	TS 50230D3	DS-T20T
28 - 29	TS 50250D35	DS-T25T
30 - 31	TS 60265D4	DS-T25T
32 - 34	TS 60285D42	DS-T25T
35 - 37	TS 60320D5	DS-T25T
38 - 40	TS 80340D6	DS-T25T

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

SPADETWIST HEAD CHANGEABLE DRILL 5D Ø20,0-Ø41,0 FORET À LAME 5D Ø20,0-Ø41,0

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	Z	Ps	IK	kg
LD2000100JFR00	20	20,0	20,9	25	32	188,1	132,1	100	2	20	✓	0,360
LD2100105JFR00	21	21,0	21,9	25	32	193,3	137,3	105	2	21	✓	0,380
LD2200110JFR00	22	22,0	22,9	25	32	198,4	142,4	110	2	22	✓	0,400
LD2300115JFR00	23	23,0	23,9	25	32	203,6	147,6	115	2	23	✓	0,420
LD2400120JGR00	24	24,0	24,9	32	40	218,7	158,7	120	2	24	✓	0,830
LD2500125JGR00	25	25,0	25,9	32	40	223,9	163,9	125	2	25	✓	0,850
LD2600130JGR00	26	26,0	26,9	32	40	229	169,0	130	2	26	✓	0,870
LD2700135JGR00	27	27,0	27,9	32	40	234	174,0	135	2	27	✓	0,900
LD2800140JGR00	28	28,0	28,9	32	40	244,4	184,4	140	2	28	✓	0,940
LD2900145JGR00	29	29,0	29,9	32	40	249,4	189,4	145	2	29	✓	0,950
LD3000150JGR00	30	30,0	30,9	32	42	254,7	194,7	150	2	30	✓	1,470
LD3100155JGR00	31	31,0	31,9	32	42	259,7	199,7	155	2	31	✓	1,100
LD3200160JHR00	32	32,0	32,9	40	48	275	207,0	160	2	32	✓	1,360
LD3300165JHR00	33	33,0	33,9	40	48	280	212,0	165	2	33	✓	1,940
LD3400170JHR00	34	34,0	34,9	40	48	285	217,0	170	2	34	✓	1,570
LD3500175JHR00	35	35,0	35,9	40	48	290,4	222,4	175	2	35	✓	1,590
LD3600180JHR00	36	36,0	36,9	40	48	295,4	227,4	180	2	36	✓	1,770
LD3700185JHR00	37	37,0	37,9	40	48	300,4	232,4	185	2	37	✓	1,250
LD3800190JHR00	38	38,0	38,9	40	50	310,9	242,9	190	2	38	✓	1,470
LD3900195JHR00	39	39,0	39,9	40	50	315,9	247,9	195	2	39	✓	2,520
LD4000200JHR00	40	40,0	41,0	40	50	320,9	252,9	200	2	40	✓	1,350

SPARE PARTS ACCESSOIRES

①



②



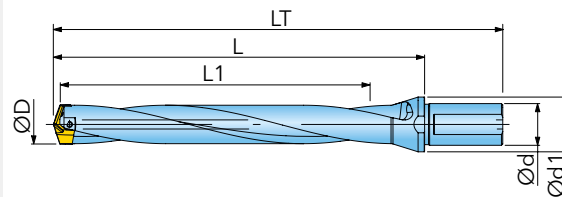
Diameter Range / Diamètres

20 - 21	TS 40178D25	DS-T20T
22 - 23	TS 40198D28	DS-T20T
24 - 25	TS 40210D3	DS-T20T
26 - 27	TS 50230D3	DS-T20T
28 - 29	TS 50250D35	DS-T25T
30 - 31	TS 60265D4	DS-T25T
32 - 34	TS 60285D42	DS-T25T
35 - 37	TS 60320D5	DS-T25T
38 - 40	TS 80340D6	DS-T25T

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

SPADETWIST HEAD CHANGEABLE DRILL 8D Ø20,0-Ø41,0 FORET À LAME 8D Ø20,0-Ø41,0

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	Z	Ps	IK	kg
LD2000160JFR00	20	20,0	20,9	25	32	248,1	192,1	160	2	20	✓	0,45
LD2100168JFR00	21	21,0	21,9	25	32	256,1	200,1	168	2	21	✓	0,49
LD2200176JFR00	22	22,0	22,9	25	32	264,4	208,4	176	2	22	✓	0,53
LD2300184JFR00	23	23,0	23,9	25	32	272,4	216,4	184	2	23	✓	0,09
LD2400192JGR00	24	24,0	24,9	32	40	290,7	230,7	192	2	24	✓	0,93
LD2500200JGR00	25	25,0	25,9	32	40	298,7	238,7	200	2	25	✓	0,96
LD2600208JGR00	26	26,0	26,9	32	40	307	247,0	208	2	26	✓	1,00
LD2700216JGR00	27	27,0	27,9	32	40	315	255,0	216	2	27	✓	1,04
LD2800224JGR00	28	28,0	28,9	32	40	328,4	268,4	224	2	28	✓	1,08
LD2900232JGR00	29	29,0	29,9	32	40	336,4	276,4	232	2	29	✓	1,12
LD3000240JGR00	30	30,0	30,9	32	42	344,7	284,7	240	2	30	✓	1,15
LD3100248JGR00	31	31,0	31,9	32	42	352,7	292,7	248	2	31	✓	1,20
LD3200256JHR00	32	32,0	32,9	40	48	371	303,0	256	2	32	✓	1,44
LD3300264JHR00	33	33,0	33,9	40	48	379	311,0	264	2	33	✓	1,54
LD3400272JHR00	34	34,0	34,9	40	48	387	319,0	272	2	34	✓	1,76
LD3500280JHR00	35	35,0	35,9	40	48	395,4	327,4	280	2	35	✓	1,85
LD3600288JHR00	36	36,0	36,9	40	48	403,4	335,4	288	2	36	✓	1,94
LD3700296JHR00	37	37,0	37,9	40	48	411,4	343,4	296	2	37	✓	2,03
LD3800304JHR00	38	38,0	38,9	40	50	424,9	356,9	304	2	38	✓	2,12
LD3900312JHR00	39	39,0	39,9	40	50	432,9	364,9	312	2	39	✓	2,19
LD4000320JHR00	40	40,0	41,0	40	50	440,9	372,9	320	2	40	✓	2,28

/ Il est conseillé d'usiner un avant-trou.

SPARE PARTS ACCESSOIRES

①



②

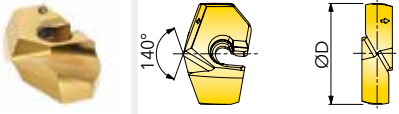
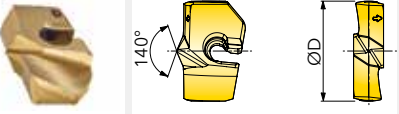


Diameter Range / Diamètres

20 - 21	TS 40178D25	DS-T20T
22 - 23	TS 40198D28	DS-T20T
24 - 25	TS 40210D3	DS-T20T
26 - 27	TS 50230D3	DS-T20T
28 - 29	TS 50250D35	DS-T25T
30 - 31	TS 60265D4	DS-T25T
32 - 34	TS 60285D42	DS-T25T
35 - 37	TS 60320D5	DS-T25T
38 - 40	TS 80340D6	DS-T25T

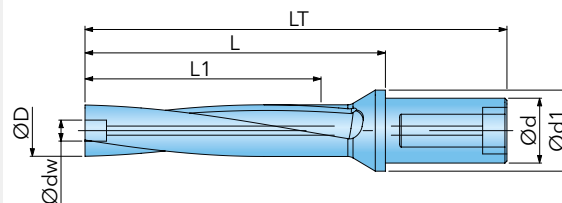
① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

BORING HEADS FOR SPADETWIST
EMBOUS DE PERÇAGE POUR SPADETWIST

Steel / Acier					Steel-C / Acier-C					Flat Bottom / Fond Plat				
														
Designation / Réf. de l'article					Designation / Réf. de l'article					Designation / Réf. de l'article				
D	Steel / Acier	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance	D	Steel / Acier	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance	D	Steel / Acier	Steel-C / Acier-C	Flat Bottom / Fond Plat	Grade / Nuance
20,0	LPA2000R01	LPC2000R01	LPF2000R01	IN 2505	31,0	LPA3100R01	LPC3100R01	LPF3100R01	IN 2505	31,0	LPA3100R01	LPC3100R01	LPF3100R01	IN 2505
20,5	LPA2050R01	LPC2050R01	LPF2050R01	IN 2505	31,5	LPA3150R01	LPC3150R01	LPF3150R01	IN 2505	31,5	LPA3150R01	LPC3150R01	LPF3150R01	IN 2505
21,0	LPA2100R01	LPC2100R01	LPF2100R01	IN 2505	32,0	LPA3200R01	LPC3200R01	LPF3200R01	IN 2505	32,0	LPA3200R01	LPC3200R01	LPF3200R01	IN 2505
21,5	LPA2150R01	LPC2150R01	LPF2150R01	IN 2505	32,5	LPA3250R01	LPC3250R01	LPF3250R01	IN 2505	32,5	LPA3250R01	LPC3250R01	LPF3250R01	IN 2505
22,0	LPA2200R01	LPC2200R01	LPF2200R01	IN 2505	33,0	LPA3300R01	LPC3300R01	LPF3300R01	IN 2505	33,0	LPA3300R01	LPC3300R01	LPF3300R01	IN 2505
22,5	LPA2250R01	LPC2250R01	LPF2250R01	IN 2505	33,5	LPA3350R01	LPC3350R01	LPF3350R01	IN 2505	33,5	LPA3350R01	LPC3350R01	LPF3350R01	IN 2505
23,0	LPA2300R01	LPC2300R01	LPF2300R01	IN 2505	34,0	LPA3400R01	LPC3400R01	LPF3400R01	IN 2505	34,0	LPA3400R01	LPC3400R01	LPF3400R01	IN 2505
23,5	LPA2350R01	LPC2350R01	LPF2350R01	IN 2505	34,5	LPA3450R01	LPC3450R01	LPF3450R01	IN 2505	34,5	LPA3450R01	LPC3450R01	LPF3450R01	IN 2505
24,0	LPA2400R01	LPC2400R01	LPF2400R01	IN 2505	35,0	LPA3500R01		LPF3500R01	IN 2505	35,0	LPA3500R01		LPF3500R01	IN 2505
24,5	LPA2450R01	LPC2450R01	LPF2450R01	IN 2505	35,5	LPA3550R01		LPF3550R01	IN 2505	35,5	LPA3550R01		LPF3550R01	IN 2505
25,0	LPA2500R01	LPC2500R01	LPF2500R01	IN 2505	36,0	LPA3600R01		LPF3600R01	IN 2505	36,0	LPA3600R01		LPF3600R01	IN 2505
25,5	LPA2550R01	LPC2550R01	LPF2550R01	IN 2505	36,5	LPA3650R01		LPF3650R01	IN 2505	36,5	LPA3650R01		LPF3650R01	IN 2505
26,0	LPA2600R01	LPC2600R01	LPF2600R01	IN 2505	37,0	LPA3700R01		LPF3700R01	IN 2505	37,0	LPA3700R01		LPF3700R01	IN 2505
26,5	LPA2650R01	LPC2650R01	LPF2650R01	IN 2505	37,5	LPA3750R01		LPF3750R01	IN 2505	37,5	LPA3750R01		LPF3750R01	IN 2505
27,0	LPA2700R01	LPC2700R01	LPF2700R01	IN 2505	38,0	LPA3800R01		LPF3800R01	IN 2505	38,0	LPA3800R01		LPF3800R01	IN 2505
27,5	LPA2750R01	LPC2750R01	LPF2750R01	IN 2505	38,5	LPA3850R01		LPF3850R01	IN 2505	38,5	LPA3850R01		LPF3850R01	IN 2505
28,0	LPA2800R01	LPC2800R01	LPF2800R01	IN 2505	39,0	LPA3900R01		LPF3900R01	IN 2505	39,0	LPA3900R01		LPF3900R01	IN 2505
28,5	LPA2850R01	LPC2850R01	LPF2850R01	IN 2505	39,5	LPA3950R01		LPF3950R01	IN 2505	39,5	LPA3950R01		LPF3950R01	IN 2505
29,0	LPA2900R01	LPC2900R01	LPF2900R01	IN 2505	40,0	LPA4000R01		LPF4000R01	IN 2505	40,0	LPA4000R01		LPF4000R01	IN 2505
29,5	LPA2950R01	LPC2950R01	LPF2950R01	IN 2505	40,5	LPA4050R01		LPF4050R01	IN 2505	40,5	LPA4050R01		LPF4050R01	IN 2505
30,0	LPA3000R01	LPC3000R01	LPF3000R01	IN 2505	41,0	LPA4100R01		LPF4100R01	IN 2505	41,0	LPA4100R01		LPF4100R01	IN 2505
30,5	LPA3050R01	LPC3050R01	LPF3050R01	IN 2505										

GOLDTWIN MODULAR DRILL HOLDER 3D CORPS FORET MODULAIRE 3D

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D min.	D max.	d	dw	d1	LT	L	L1	Ps	IK	kg
W032YFSA060	26	27	32	10.4	40	154,3	94.3	60	CD26_/27_	✓	0,72
W032YGSA064	28	29	32	11.2	40	160,5	100.5	64	CD28_/29_	✓	0,76
W032YHSA069	30	31	32	12.0	40	165,5	105.5	69	CD30_/31_	✓	0,80
W032YJSA073	32	33	32	12.8	40	171,7	111.7	73	CD32_/33_	✓	0,86
W040YKSA078	34	35	40	13.6	50	188,2	120.2	78	CD34_/35_	✓	1,26
W040YLSA082	36	37	40	14.4	50	194,5	126.5	82	CD36_/37_	✓	1,35
W040YMSA086	38	39	40	15.2	50	199,4	131.4	86	CD38_/39_	✓	1,36
W040YNSA091	40	41	40	16.0	50	205,6	137.6	91	CD40_/41_	✓	1,53
W040YPSA095	42	43	40	16.8	50	211,8	143.8	95	CD42_/43_	✓	1,63
W040YQSA099	44	45	40	17.6	50	218	150.0	99	CD44_/45_	✓	1,74
W050YRSA104	46	47	50	18.4	60	234,5	154.5	104	CD46_/47_	✓	2,49
W050YSSA111	48	50	50	19.2	60	240,9	160.9	111	CD48_/49_/50_	✓	2,64

SPARE PARTS ACCESSOIRES

①



②



Diameter Range / Diamètres

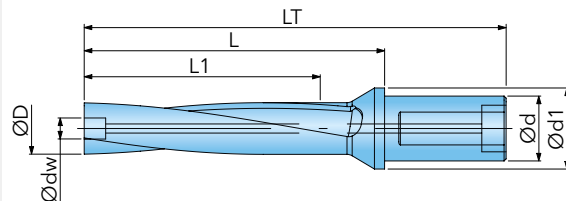
26 - 35	BLD H-W2.5X210	SW6-T-SH
36 - 43	BLD H-W3.0X225	SW6-T-SH
44 - 50	BLD H-W4.0X255	SW6-T-SH

① = Torx-Bit BLD / Torx-Bit BLD ② = Helve / Manche

GOLDTWIN MODULAR DRILL HOLDER 5D

CORPS FORET MODULAIRE 5D

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D min.	D max.	d	dw	d1	LT	L	L1	Ps	IK	kg
W032YFSA114	26	27	32	10.4	40	208,3	148,3	114	CD26_/27_	✓	0,83
W032YGSA122	28	29	32	11.2	40	218,5	158,5	122	CD28_/29_	✓	0,86
W032YHSA131	30	31	32	12.0	40	227,5	167,5	131	CD30_/31_	✓	0,91
W032YJSA139	32	33	32	12.8	40	237,7	177,7	139	CD32_/33_	✓	1,02
W040YKSA148	34	35	40	13.6	50	258,2	190,2	148	CD34_/35_	✓	1,31
W040YLSA156	36	37	40	14.4	50	268,5	200,5	156	CD36_/37_	✓	1,43
W040YMSA164	38	39	40	15.2	50	277,4	209,4	164	CD38_/39_	✓	1,58
W040YNSA173	40	41	40	16.0	50	287,6	219,6	173	CD40_/41_	✓	1,66
W040YPSA181	42	43	40	16.8	50	297,8	229,8	181	CD42_/43_	✓	2,15
W040YQSA189	44	45	40	17.6	50	308	240	189	CD44_/45_	✓	2,25
W050YRSA198	46	47	50	18.4	60	328,5	248,5	198	CD46_/47_	✓	2,85
W050YSSA211	48	50	50	19.2	60	338,9	258,9	211	CD48_/49_/50_	✓	3,17

SPARE PARTS ACCESSOIRES



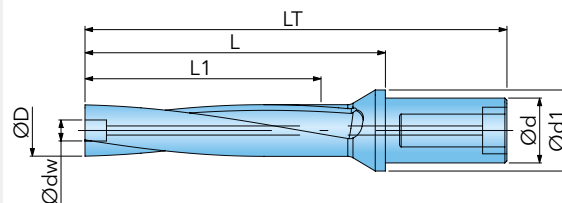
Diameter Range / Diamètres

26 - 35	BLD H-W2.5X280	SW6-T-SH
36 - 43	BLD H-W3.0X310	SW6-T-SH
44 - 50	BLD H-W4.0X350	SW6-T-SH

① = Torx-Bit BLD / Embout torx ② = Helve / Manche

GOLDTWIN MODULAR DRILL HOLDER 7D CORPS FORET MODULAIRE 7D

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D min.	D max.	d	dw	d1	LT	L	L1	Ps	IK	kg
W032YFSA168	26	27	32	10,4	40	262,3	202,3	168	CD26_/27_	✓	0,95
W032YGSA180	28	29	32	11,2	40	276,5	216,5	180	CD28_/29_	✓	1,10
W032YHSA193	30	31	32	12,0	40	289,5	229,5	193	CD30_/31_	✓	1,23
W032YJSA205	32	33	32	12,8	40	303,7	243,7	205	CD32_/33_	✓	1,30
W040YKSA218	34	35	40	13,6	50	328,2	260,2	218	CD34_/35_	✓	1,70
W040YLSA230	36	37	40	14,4	50	342,5	274,5	230	CD36_/37_	✓	1,85
W040YMSA242	38	39	40	15,2	50	355,4	287,4	242	CD38_/39_	✓	2,00
W040YNSA255	40	41	40	16,0	50	369,6	301,6	255	CD40_/41_	✓	2,17

SPARE PARTS ACCESSOIRES

①



②



Diameter Range / Diamètres

26 - 27	BLD H-W2.5X280	SW6-T-SH
28 - 35	BLD H-W2.5X380	SW6-T-SH
36 - 41	BLD H-W3.0X430	SW6-T-SH

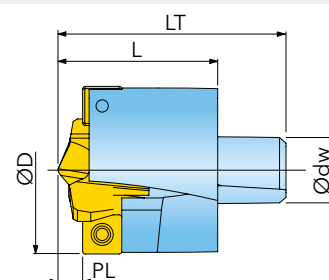
① = Torx-Bit BLD / Embout torx ② = Helve / Manche



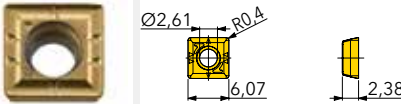
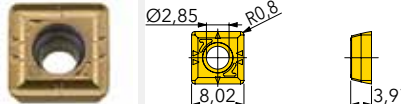
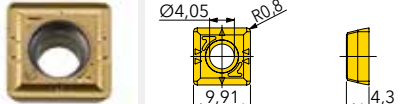
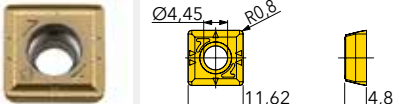
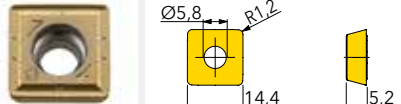
GOLDTWIN MODULAR DRILL HEAD Ø26 - Ø50

TÊTE DE PERÇAGE MODULAIRE Ø26 - Ø50

MUDULAR GOLDTWIN
ATTACHEMENT MODULAIRE GOLDTWIN



Designation Réf. de l'article	D	dw	LT	L	PL	Z	Zeff	Ps	Key	 (K)	 (kg)	Related Insert Plaquette préconisée
CD2600025YFR00	26	10,4	35,5	24,9	3,98	4	2	TP_159_	KTD15.0-15.9-C	✓	0,14	A
CD2700025YFR00	27	10,4	36	25,4	4,14	4	2	TP_169_	KTD16.0-16.9-C	✓	0,15	A
CD2800027YGR00	28	11,2	38,3	26,9	4,29	4	2	TP_179_	KTD17.0-17.9-C	✓	0,17	A
CD2900027YGR00	29	11,2	38	26,6	3,97	4	2	TP_159_	KTD15.0-15.9-C	✓	0,18	B
CD3000028YHR00	30	12,0	40,5	28,3	4,14	4	2	TP_169_	KTD16.0-16.9-C	✓	0,19	B
CD3100029YHR00	31	12,0	40,7	28,5	4,30	4	2	TP_179_	KTD17.0-17.9-C	✓	0,20	B
CD3200030YJR00	32	12,8	43,3	30,3	4,46	4	2	TP_189_	KTD18.0-18.9-C	✓	0,21	B
CD3300030YJR00	33	12,8	42,8	29,8	3,97	4	2	TP_159_	KTD15.0-15.9-C	✓	0,23	C
CD3400032YKR00	34	13,6	45,4	31,6	4,14	4	2	TP_169_	KTD16.0-16.9-C	✓	0,24	C
CD3500032YKR00	35	13,6	45,6	31,8	4,30	4	2	TP_179_	KTD17.0-17.9-C	✓	0,25	C
CD3600034YLR00	36	14,4	48,2	33,5	4,46	4	2	TP_189_	KTD18.0-18.9-C	✓	0,27	C
CD3700033YLR00	37	14,4	48	33,3	4,14	4	2	TP_169_	KTD16.0-16.9-C	✓	0,29	D
CD3800035YMR00	38	15,2	50,5	35,0	4,30	4	2	TP_179_	KTD17.0-17.9-C	✓	0,31	D
CD3900035YMR00	39	15,2	50,7	35,2	4,46	4	2	TP_189_	KTD18.0-18.9-C	✓	0,33	D
CD4000037YNR00	40	16,0	53,2	36,9	4,62	4	2	TP_199_	KTD19.0-19.9-C	✓	0,35	D
CD4100037YNR00	41	16,0	53,4	37,1	4,78	4	2	TP_209_	KTD20.0-20.9-C	✓	0,38	D
CD4200039YPR00	42	16,8	56	38,9	4,95	4	2	TP_219_	KTD21.0-21.9-C	✓	0,41	D
CD4300039YPR00	43	16,8	56	38,9	5,11	4	2	TP_229_	KTD22.0-22.9-C	✓	0,42	D
CD4400041YQR00	44	17,6	58,7	40,8	5,28	4	2	TP_239_	KTD23.0-23.9-C	✓	0,44	D
CD4500041YQR00	45	17,6	58,9	41,0	5,44	4	2	TP_249_	KTD24.0-24.9-C	✓	0,45	D
CD4600042YRR00	46	18,4	60,9	42,2	4,95	4	2	TP_219_	KTD21.0-21.9-C	✓	0,47	E
CD4700042YRR00	47	18,4	61	42,3	5,11	4	2	TP_229_	KTD22.0-22.9-C	✓	0,49	E
CD4800044YSR00	48	19,2	63,5	44,0	5,28	4	2	TP_239_	KTD23.0-23.9-C	✓	0,51	E
CD4900044YSR00	49	19,2	63,8	44,3	5,44	4	2	TP_249_	KTD24.0-24.9-C	✓	0,54	E
CD5000046YSR00	50	19,2	65,5	46,0	5,61	4	2	TP_259_	KTD25.0-25.9-C	✓	0,56	E

A SPGX060204WG			B SPGX07T308WG			C SPGX090408WG				
										
D SPGX110408WG			E SPGX140512WG							
										
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505						
SPGX060204WG	0,05/0,20	positive geometry R0,4 / Géométrie positive R0,4								
SPGX07T308WG	0,05/0,22	positive geometry R0,8 / Géométrie positive R0,8								
SPGX090408WG	0,07/0,24	positive geometry R0,8 / Géométrie positive R0,8								
SPGX110408WG	0,07/0,25	positive geometry R0,8 / Géométrie positive R0,8								
SPGX140512WG	0,07/0,25	positive geometry R1,2 / Géométrie positive R1,2								

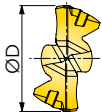
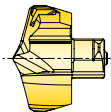
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②	③	④	⑤	⑥	⑦	⑧
Diameter Range / Diamètres								
26 - 28	SM22-052-00 (0,8Nm)	DS-T07S	TDPS 0512-T7	TD 7	PAD-G04-08	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)	SG CD26-29-TP
29	SM25-064-00 (1,1Nm)	DS-T08S	TDPS 0512-T7	TD 7	PAD-G04-08	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)	SG CD26-29-TP
30 - 32	SM25-064-00 (1,1Nm)	DS-T08S	TDPS 0512-T7	TD 7	PAD-G04-08	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)	SG CD30-35-TP
33 - 35	SM35-088-60 (3,0Nm)	DS-T10S	TDPS 0512-T7	TD 7	PAD-G04-08	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)	SG CD30-35-TP
36	SM35-088-60 (3,0Nm)	DS-T10S	TDPS 0618-T8	TD 8	PAD-G04-08	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)	SG CD36-39-TP
37 - 39	SM40-093-20 (4,5Nm)	DS-T15S	TDPS 0618-T8	TD 8	PAD-G04-08	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)	SG CD36-39-TP
40 - 43	SM40-093-20 (4,5Nm)	DS-T15S	TDPS 0618-T8	TD 8	PAD-G04-08	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)	SG CD40-43-TP
44 - 45	SM40-093-20 (4,5Nm)	DS-T15S	TDPS 0722-W3.0	F-W3.0X60	PAD-G04-08	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)	SG CD44-50-TP
46 - 50	SM50-122-50 (7,5Nm)	DS-T20S	TDPS 0722-W3.0	F-W3.0X60	PAD-G04-08	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)	SG CD44-50-TP

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis ③ = Differential screw / Vis à pas différentiel ④ = Screw driver / Tournevis
⑤ = Guide Pad / Patin de guidage ⑥ = Insert screw / Vis de serrage plaquette ⑦ = Screw driver / Tournevis ⑧ = Setting gauge / Pion de réglage

BORING HEADS FOR GOLDTWIN
EMBOUTS DE PERÇAGE POUR GOLDTWIN

Steel / Acier



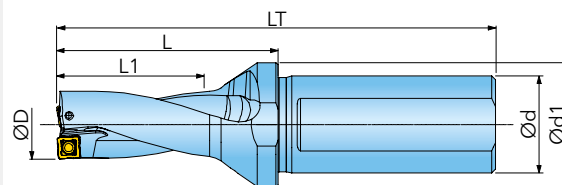
Designation / Réf. de l'article		
D	Steel / Acier	Grade / Nuance
15,9	TPC1590R01-C	IN 2505
16,9	TPC1690R01-C	IN 2505
17,9	TPC1790R01-C	IN 2505
18,9	TPC1890R01-C	IN 2505
19,9	TPC1990R01-C	IN 2505
20,9	TPC2090R01-C	IN 2505

Designation / Réf. de l'article		
D	Steel / Acier	Grade / Nuance
21,9	TPC2190R01-C	IN 2505
22,9	TPC2290R01-C	IN 2505
23,9	TPC2390R01-C	IN 2505
24,9	TPC2490R01-C	IN 2505
25,9	TPC2590R01-C	IN 2505



QUADT**TWIST** INDEXABLE DRILL 2D Ø12 - Ø26 FORET A PLAQUETTES 2D Ø12 - Ø26

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	🔧	📊 kg	Related Insert Plaquette préconisée
QR0120024JER00	12,0	20	25	94	44	24	2	1	✓	0,13	A
QR0130026JER00	13,0	20	25	96	46	26	2	1	✓	0,13	A
QR0140028JER00	14,0	20	25	96	46	28	2	1	✓	0,15	BCDE
QR0150030JER00	15,0	20	25	99	49	30	2	1	✓	0,15	BCDE
QR0160032JER00	16,0	20	25	102	52	32	2	1	✓	0,16	BCDE
QR0170034JFR00	17,0	25	32	110	54	34	2	1	✓	0,27	FGHI
QR0175036JFR00	17,5	25	32	113	57	36	2	1	✓	0,27	FGHI
QR0180036JFR00	18,0	25	32	113	57	36	2	1	✓	0,27	FGHI
QR0190038JFR00	19,0	25	32	115	59	38	2	1	✓	0,28	FGHI
QR0195040JFR00	19,5	25	32	119	63	40	2	1	✓	0,29	JKLM
QR0200040JFR00	20,0	25	32	119	63	40	2	1	✓	0,30	JKLM
QR0210042JFR00	21,0	25	32	121	65	42	2	1	✓	0,30	JKLM
QR0220044JFR00	22,0	25	32	123	67	44	2	1	✓	0,31	JKLM
QR0230046JFR00	23,0	25	32	124	68	46	2	1	✓	0,31	NOPO
QR0240048JFR00	24,0	25	32	126	70	48	2	1	✓	0,33	NOPO
QR0250050JFR00	25,0	25	32	128	72	50	2	1	✓	0,33	NOPO
QR0260052JFR00	26,0	25	32	129	73	52	2	1	✓	0,34	NOPO

SPARE PARTS ACCESSOIRES



Diameter Range / Diamètres

12,0 - 13,0	TS 18041I/HG (0,5Nm)	DS-TP06S (TX-Plus)
14,0 - 16,0	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)
17,0 - 22,0	TS 22052I/HG-P (0,8Nm)	DS-TP07S (TX-Plus)
23,0 - 26,0	SO 25065I (1,1Nm)	DS-T07S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis



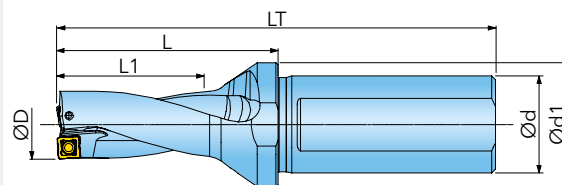
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505				
SOMT040204SK	0,04/0,14	positive geometry R0,4 / Géométrie positive R0,4										
SOMT050204SK ¹⁾	0,04/0,18	positive geometry R0,4 / Géométrie positive R0,4										
SOMT050204NG	0,06/0,15	cast iron geometry R0,4 / Géométrie fonte R 0,4										
SOMT050204HP	0,06/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4										
SOMT050204PS	0,04/0,10	Chip breaker geometry R0,4 / Géométrie copeaux longs R0,4										
SOMT060204SK ¹⁾	0,04/0,18	positive geometry R0,4 / Géométrie positive R0,4										
SOMT060204NG	0,06/0,15	cast iron geometry R0,4 / Géométrie fonte R 0,4										
SOMT060204HP	0,06/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4										
SOMT060204PS	0,04/0,11	Chip breaker geometry R0,4 / Géométrie copeaux longs R0,4										
SOMT070306SK ¹⁾	0,04/0,20	positive geometry R0,6 / Géométrie positive R0,6										
SOMT070306NG	0,08/0,16	cast iron geometry R0,6 / Géométrie fonte R 0,6										
SOMT070306HP	0,08/0,16	non-ferrous geometry, polished R0,6 / Géo. pour mat. non fer., polie R0,6										
SOMT070306PS	0,04/0,12	Chip breaker geometry R0,6 / Géométrie copeaux longs R0,6										
SOMT08T306SK ¹⁾	0,04/0,20	positive geometry R0,6 / Géométrie positive R0,6										
SOMT08T306NG	0,08/0,16	cast iron geometry R0,6 / Géométrie fonte R 0,6										
SOMT08T306HP	0,08/0,16	non-ferrous geometry, polished R0,6 / Géo. pour mat. non fer., polie R0,6										
SOMT08T306PS	0,04/0,12	Chip breaker geometry R0,6 / Géométrie copeaux longs R0,6										

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

● = P ● = M ● = K ● = N ● = S ○ = H

QUADT**TWIST** INDEXABLE DRILL 2D Ø27 - Ø50 FORET A PLAQUETTES 2D Ø27 - Ø50

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Ze _{ff}	IK	kg	Related Insert Plaquette préconisée
QR0270054JFR00	27,0	25	40	133	77	54	2	1	✓	0,49	A B C D
QR0280056JFR00	28,0	25	40	135	79	56	2	1	✓	0,52	A B C D
QR0290058JGR00	29,0	32	40	141	81	58	2	1	✓	0,66	A B C D
QR0300060JGR00	30,0	32	40	143	83	60	2	1	✓	0,78	A B C D
QR0310062JGR00	31,0	32	40	145	85	62	2	1	✓	0,81	A B C D
QR0320064JGR00	32,0	32	40	147	87	64	2	1	✓	0,84	E F G H
QR0330066JGR00	33,0	32	40	149	89	66	2	1	✓	0,87	E F G H
QR0340068JGR00	34,0	32	40	151	91	68	2	1	✓	0,89	E F G H
QR0350070JGR00	35,0	32	40	153	93	70	2	1	✓	0,92	E F G H
QR0360072JGR00	36,0	32	40	155	95	72	2	1	✓	0,96	E F G H
QR0370074JGR00	37,0	32	50	162	102	74	2	1	✓	0,97	I J K L
QR0380076JGR00	38,0	32	50	164	104	76	2	1	✓	1,00	I J K L
QR0390078JGR00	39,0	32	50	166	106	78	2	1	✓	1,05	I J K L
QR0400080JGR00	40,0	32	50	168	108	80	2	1	✓	1,10	I J K L
QR0410082JHR00	41,0	40	50	180	110	82	2	1	✓	1,48	I J K L
QR0420084JHR00	42,0	40	50	182	112	84	2	1	✓	1,50	I J K L
QR0430086JHR00	43,0	40	50	184	114	86	2	1	✓	1,55	I J K L
QR0440088JHR00	44,0	40	60	193	123	88	2	1	✓	1,60	M N O P
QR0450090JHR00	45,0	40	60	195	125	90	2	1	✓	1,66	M N O P
QR0460092JHR00	46,0	40	60	197	127	92	2	1	✓	1,71	M N O P
QR0470094JHR00	47,0	40	60	199	129	94	2	1	✓	1,76	M N O P
QR0480096JHR00	48,0	40	60	201	131	96	2	1	✓	1,84	M N O P
QR0490098JHR00	49,0	40	60	203	133	98	2	1	✓	1,86	M N O P
QR0500100JHR00	50,0	40	60	205	135	100	2	1	✓	1,93	M N O P

SPARE PARTS ACCESSOIRES

①



②



Diameter Range / Diamètres

27,0 - 36,0	SM35-088-60 (3,0Nm)	DS-T10S
37,0 - 43,0	SM40-093-20 (4,5Nm)	DS-T15S
44,0 - 50,0	SM50-113-20 (8,0Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis



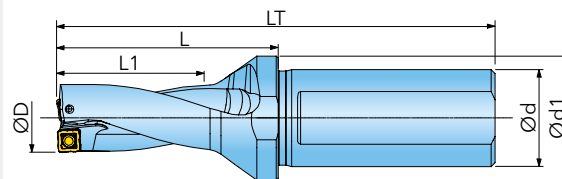
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505				
SOMT09T308SK ¹⁾	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8										
SOMT09T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT09T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT09T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT11T308SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8										
SOMT11T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT11T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT11T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT130408SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8										
SOMT130408NG	0,10/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT130408HP	0,10/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT130408PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT150510SK ¹⁾	0,06/0,24	positive geometry R1,0 / Géométrie positive R1,0										
SOMT150510NG	0,10/0,18	cast iron geometry R1,0 / Géométrie fonte R 1,0										
SOMT150510HP	0,10/0,18	non-ferrous geometry, polished R1,0 / Géo. pour mat. non fer., polie R1,0										
SOMT150510PS	0,06/0,14	Chip breaker geometry R1,0 / Géométrie copeaux longs R1,0										

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

● = P ● = M ● = K ● = N ● = S ○ = H

QUADT**TWIST** INDEXABLE DRILL 3D Ø12 - Ø26 FORET A PLAQUETTES 3D Ø12 - Ø26

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	🇧🇪	🇩🇪	Related Insert Plaquette préconisée
QR0120036JER00	12,0	20	25	106	56	36	2	1	✓	0,15	A
QR0125039JER00	12,5	20	25	109	59	39	2	1	✓	0,15	A
QR0130039JER00	13,0	20	25	109	59	39	2	1	✓	0,15	A
QR0135042JER00	13,5	20	25	110	60	42	2	1	✓	0,16	A
QR0140042JER00	14,0	20	25	110	60	42	2	1	✓	0,16	BCDE
QR0145045JER00	14,5	20	25	114	64	45	2	1	✓	0,16	BCDE
QR0150045JER00	15,0	20	25	114	64	45	2	1	✓	0,16	BCDE
QR0155048JER00	15,5	20	25	118	68	48	2	1	✓	0,17	BCDE
QR0160048JER00	16,0	20	25	118	68	48	2	1	✓	0,17	BCDE
QR0165051JFR00	16,5	25	32	127	71	51	2	1	✓	0,28	FGHI
QR0170051JFR00	17,0	25	32	127	71	51	2	1	✓	0,28	FGHI
QR0175054JFR00	17,5	25	32	131	75	54	2	1	✓	0,28	FGHI
QR0180054JFR00	18,0	25	32	131	75	54	2	1	✓	0,29	FGHI
QR0185057JFR00	18,5	25	32	134	78	57	2	1	✓	0,29	FGHI
QR0190057JFR00	19,0	25	32	134	78	57	2	1	✓	0,30	FGHI
QR0195060JFR00	19,5	25	32	139	83	60	2	1	✓	0,31	JKLM
QR0200060JFR00	20,0	25	32	139	83	60	2	1	✓	0,32	JKLM
QR0205063JFR00	20,5	25	32	142	86	63	2	1	✓	0,32	JKLM
QR0210063JFR00	21,0	25	32	142	86	63	2	1	✓	0,33	JKLM
QR0215066JFR00	21,5	25	32	145	89	66	2	1	✓	0,33	JKLM
QR0220066JFR00	22,0	25	32	145	89	66	2	1	✓	0,34	JKLM
QR0225069JFR00	22,5	25	32	147	91	69	2	1	✓	0,34	NOPO
QR0230069JFR00	23,0	25	32	147	91	69	2	1	✓	0,35	NOPO
QR0235072JFR00	23,5	25	32	150	94	72	2	1	✓	0,36	NOPO
QR0240072JFR00	24,0	25	32	150	94	72	2	1	✓	0,36	NOPO
QR0245075JFR00	24,5	25	32	153	97	75	2	1	✓	0,37	NOPO
QR0250075JFR00	25,0	25	32	153	97	75	2	1	✓	0,37	NOPO
QR0255078JFR00	25,5	25	32	155	99	78	2	1	✓	0,38	NOPO
QR0260078JFR00	26,0	25	32	155	99	78	2	1	✓	0,39	NOPO

SPARE PARTS ACCESSOIRES

①



②



Diameter Range / Diamètres

12,0 - 13,5	TS 180411/HG (0,5Nm)	DS-TP06S (TX-Plus)
14,0 - 16,0	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)
16,5 - 22,0	TS 220521/HG-P (0,8Nm)	DS-TP07S (TX-Plus)
22,5 - 26,0	SO 250651 (1,1Nm)	DS-T07S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

A SOMT040204SK	
B SOMT050204SK	
C SOMT050204NG	
D SOMT050204HP	
E SOMT050204PS	
F SOMT060204SK	
G SOMT060204NG	
H SOMT060204HP	
I SOMT060204PS	
J SOMT070306SK	
K SOMT070306NG	
L SOMT070306HP	
M SOMT070306PS	
N SOMT08T306SK	
O SOMT08T306NG	
P SOMT08T306HP	
Q SOMT08T306PS	

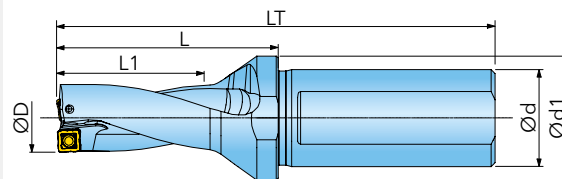
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505				
SOMT040204SK	0,04/0,14	positive geometry R0,4 / Géométrie positive R0,4										
SOMT050204SK ¹⁾	0,04/0,18	positive geometry R0,4 / Géométrie positive R0,4										
SOMT050204NG	0,06/0,15	cast iron geometry R0,4 / Géométrie fonte R 0,4										
SOMT050204HP	0,06/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4										
SOMT050204PS	0,04/0,10	Chip breaker geometry R0,4 / Géométrie copeaux longs R0,4										
SOMT060204SK ¹⁾	0,04/0,18	positive geometry R0,4 / Géométrie positive R0,4										
SOMT060204NG	0,06/0,15	cast iron geometry R0,4 / Géométrie fonte R 0,4										
SOMT060204HP	0,06/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4										
SOMT060204PS	0,04/0,11	Chip breaker geometry R0,4 / Géométrie copeaux longs R0,4										
SOMT070306SK ¹⁾	0,04/0,20	positive geometry R0,6 / Géométrie positive R0,6										
SOMT070306NG	0,08/0,16	cast iron geometry R0,6 / Géométrie fonte R 0,6										
SOMT070306HP	0,08/0,16	non-ferrous geometry, polished R0,6 / Géo. pour mat. non fer., polie R0,6										
SOMT070306PS	0,04/0,12	Chip breaker geometry R0,6 / Géométrie copeaux longs R0,6										
SOMT08T306SK ¹⁾	0,04/0,20	positive geometry R0,6 / Géométrie positive R0,6										
SOMT08T306NG	0,08/0,16	cast iron geometry R0,6 / Géométrie fonte R 0,6										
SOMT08T306HP	0,08/0,16	non-ferrous geometry, polished R0,6 / Géo. pour mat. non fer., polie R0,6										
SOMT08T306PS	0,04/0,12	Chip breaker geometry R0,6 / Géométrie copeaux longs R0,6										

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

● = P ● = M ● = K ● = N ● = S ○ = H

QUADT**TWIST** INDEXABLE DRILL 3D Ø26,5 - Ø50,5 FORET A PLAQUETTES 3D Ø26,5 - Ø50,5

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	IK	kg	Related Insert Plaquette préconisée
QR0265081JFR00	26,5	25	40	160	104	81	2	1	✓	0,53	ABCD
QR0270081JFR00	27,0	25	40	160	104	81	2	1	✓	0,53	ABCD
QR0275084JFR00	27,5	25	40	163	107	84	2	1	✓	0,56	ABCD
QR0280084JFR00	28,0	25	40	163	107	84	2	1	✓	0,56	ABCD
QR0285087JGR00	28,5	32	40	170	110	87	2	1	✓	0,75	ABCD
QR0290087JGR00	29,0	32	40	170	110	87	2	1	✓	0,75	ABCD
QR0295090JGR00	29,5	32	40	173	113	90	2	1	✓	0,85	ABCD
QR0300090JGR00	30,0	32	40	173	113	90	2	1	✓	0,85	ABCD
QR0310093JGR00	31,0	32	40	176	116	93	2	1	✓	0,90	ABCD
QR0320096JGR00	32,0	32	40	179	119	96	2	1	✓	0,93	EFGH
QR0330099JGR00	33,0	32	40	182	122	99	2	1	✓	0,97	EFGH
QR0340102JGR00	34,0	32	40	185	125	102	2	1	✓	1,01	EFGH
QR0345105JGR00	34,5	32	40	188	128	105	2	1	✓	1,04	EFGH
QR0350105JGR00	35,0	32	40	188	128	105	2	1	✓	1,04	EFGH
QR0360108JGR00	36,0	32	40	191	131	108	2	1	✓	1,07	EFGH
QR0370111JGR00	37,0	32	50	199	139	111	2	1	✓	1,12	IJKL
QR0375114JGR00	37,5	32	50	202	142	114	2	1	✓	1,17	IJKL
QR0380114JGR00	38,0	32	50	202	142	114	2	1	✓	1,17	IJKL
QR0390117JGR00	39,0	32	50	205	145	117	2	1	✓	1,23	IJKL
QR0400120JGR00	40,0	32	50	208	148	120	2	1	✓	1,31	IJKL
QR0405123JGR00	40,5	40	50	211	151	123	2	1	✓	1,48	IJKL
QR0410123JHR00	41,0	40	50	221	151	123	2	1	✓	1,48	IJKL
QR0420126JHR00	42,0	40	50	224	154	126	2	1	✓	1,62	IJKL
QR0430129JHR00	43,0	40	50	227	157	129	2	1	✓	1,78	IJKL
QR0440132JHR00	44,0	40	60	237	167	132	2	1	✓	1,83	MNOP
QR0450135JHR00	45,0	40	60	240	170	135	2	1	✓	1,92	MNOP
QR0460138JHR00	46,0	40	60	243	173	138	2	1	✓	1,99	MNOP
QR0465141JHR00	46,5	40	60	246	176	141	2	1	✓	2,05	MNOP
QR0470141JHR00	47,0	40	60	246	176	141	2	1	✓	2,05	MNOP
QR0480144JHR00	48,0	40	60	249	179	144	2	1	✓	2,11	MNOP
QR0490147JHR00	49,0	40	60	252	182	147	2	1	✓	2,16	MNOP
QR0500150JHR00	50,0	40	60	255	185	150	2	1	✓	2,26	MNOP
QR0505153JHR00	50,5	40	60	258	188	153	2	1	✓	2,30	MNOP

SPARE PARTS ACCESSOIRES



Diameter Range / Diamètres

26,5 - 36,0	SM35-088-60 (3,0Nm)	DS-T10S
37,0 - 43,0	SM40-093-20 (4,5Nm)	DS-T15S
44,0 - 50,5	SM50-113-20 (8,0Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis



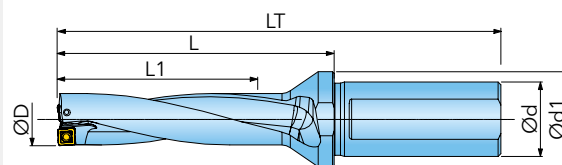
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505				
SOMT09T308SK ¹⁾	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8										
SOMT09T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT09T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT09T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT11T308SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8										
SOMT11T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT11T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT11T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT130408SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8										
SOMT130408NG	0,10/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT130408HP	0,10/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT130408PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT150510SK ¹⁾	0,06/0,24	positive geometry R1,0 / Géométrie positive R1,0										
SOMT150510NG	0,10/0,18	cast iron geometry R1,0 / Géométrie fonte R 1,0										
SOMT150510HP	0,10/0,18	non-ferrous geometry, polished R1,0 / Géo. pour mat. non fer., polie R1,0										
SOMT150510PS	0,06/0,14	Chip breaker geometry R1,0 / Géométrie copeaux longs R1,0										

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

● = P ● = M ● = K ● = N ● = S ○ = H

QUADT**TWIST** INDEXABLE DRILL 4D Ø12 - Ø26 FORET A PLAQUETTES 4D Ø12 - Ø26

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff		 kg	Related Insert Plaquette préconisée
QR0120048JER00	12,0	20	25	118	68	48	2	1	✓	0,14	A
QR0130052JER00	13,0	20	25	122	72	52	2	1	✓	0,15	A
QR0140056JER00	14,0	20	25	124	74	56	2	1	✓	0,16	BCDE
QR0150060JER00	15,0	20	25	129	79	60	2	1	✓	0,17	BCDE
QR0160064JER00	16,0	20	25	134	84	64	2	1	✓	0,18	BCDE
QR0170068JFR00	17,0	25	32	144	88	68	2	1	✓	0,29	FGHI
QR0175072JFR00	17,5	25	32	149	93	72	2	1	✓	0,30	FGHI
QR0180072JFR00	18,0	25	32	149	93	72	2	1	✓	0,30	FGHI
QR0190076JFR00	19,0	25	32	153	97	76	2	1	✓	0,32	FGHI
QR0195080JFR00	19,5	25	32	159	103	80	2	1	✓	0,34	JKLM
QR0200080JFR00	20,0	25	32	159	103	80	2	1	✓	0,34	JKLM
QR0210084JFR00	21,0	25	32	163	107	84	2	1	✓	0,35	JKLM
QR0220088JFR00	22,0	25	32	167	111	88	2	1	✓	0,37	JKLM
QR0230092JFR00	23,0	25	32	170	114	92	2	1	✓	0,38	NOPO
QR0240096JFR00	24,0	25	32	174	118	96	2	1	✓	0,41	NOPO
QR0250100JFR00	25,0	25	32	178	122	100	2	1	✓	0,42	NOPO
QR0260104JFR00	26,0	25	32	181	125	104	2	1	✓	0,45	NOPO

SPARE PARTS ACCESSOIRES



Diameter Range / Diamètres

12,0 - 13,0	TS 180411/HG (0,5Nm)	DS-TP06S (TX-Plus)
14,0 - 16,0	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)
17,0 - 22,0	TS 220521/HG-P (0,8Nm)	DS-TP07S (TX-Plus)
23,0 - 26,0	SO 250651 (1,1Nm)	DS-T07S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

A SOMT040204SK	
B SOMT050204SK	
C SOMT050204NG	
D SOMT050204HP	
E SOMT050204PS	
F SOMT060204SK	
G SOMT060204NG	
H SOMT060204HP	
I SOMT060204PS	
J SOMT070306SK	
K SOMT070306NG	
L SOMT070306HP	
M SOMT070306PS	
N SOMT08T306SK	
O SOMT08T306NG	
P SOMT08T306HP	
Q SOMT08T306PS	

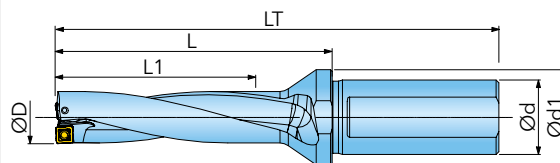
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505				
SOMT040204SK	0,04/0,14	positive geometry R0,4 / Géométrie positive R0,4										
SOMT050204SK ¹⁾	0,04/0,18	positive geometry R0,4 / Géométrie positive R0,4										
SOMT050204NG	0,06/0,15	cast iron geometry R0,4 / Géométrie fonte R 0,4										
SOMT050204HP	0,06/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4										
SOMT050204PS	0,04/0,10	Chip breaker geometry R0,4 / Géométrie copeaux longs R0,4										
SOMT060204SK ¹⁾	0,04/0,18	positive geometry R0,4 / Géométrie positive R0,4										
SOMT060204NG	0,06/0,15	cast iron geometry R0,4 / Géométrie fonte R 0,4										
SOMT060204HP	0,06/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4										
SOMT060204PS	0,04/0,11	Chip breaker geometry R0,4 / Géométrie copeaux longs R0,4										
SOMT070306SK ¹⁾	0,04/0,20	positive geometry R0,6 / Géométrie positive R0,6										
SOMT070306NG	0,08/0,16	cast iron geometry R0,6 / Géométrie fonte R 0,6										
SOMT070306HP	0,08/0,16	non-ferrous geometry, polished R0,6 / Géo. pour mat. non fer., polie R0,6										
SOMT070306PS	0,04/0,12	Chip breaker geometry R0,6 / Géométrie copeaux longs R0,6										
SOMT08T306SK ¹⁾	0,04/0,20	positive geometry R0,6 / Géométrie positive R0,6										
SOMT08T306NG	0,08/0,16	cast iron geometry R0,6 / Géométrie fonte R 0,6										
SOMT08T306HP	0,08/0,16	non-ferrous geometry, polished R0,6 / Géo. pour mat. non fer., polie R0,6										
SOMT08T306PS	0,04/0,12	Chip breaker geometry R0,6 / Géométrie copeaux longs R0,6										

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

● = P ● = M ● = K ● = N ● = S ○ = H

QUADT**TWIST** INDEXABLE DRILL 4D Ø27 - Ø50 FORET A PLAQUETTES 4D Ø27 - Ø50

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	IK	kg	Related Insert Plaquette préconisée
QR0270108JFR00	27,0	25	40	187	131	108	2	1	✓	0,59	A B C D
QR0280112JFR00	28,0	25	40	191	135	112	2	1	✓	0,62	A B C D
QR0290116JGR00	29,0	32	40	199	139	116	2	1	✓	0,80	A B C D
QR0300120JGR00	30,0	32	40	203	143	120	2	1	✓	0,94	A B C D
QR0310124JGR00	31,0	32	40	207	147	124	2	1	✓	0,97	A B C D
QR0320128JGR00	32,0	32	40	211	151	128	2	1	✓	1,04	E F G H
QR0330132JGR00	33,0	32	40	215	155	132	2	1	✓	1,09	E F G H
QR0340136JGR00	34,0	32	40	219	159	136	2	1	✓	1,13	E F G H
QR0350140JGR00	35,0	32	40	223	163	140	2	1	✓	1,17	E F G H
QR0360144JGR00	36,0	32	40	227	167	144	2	1	✓	1,23	E F G H
QR0370148JGR00	37,0	32	50	236	176	148	2	1	✓	1,29	I J K L
QR0380152JGR00	38,0	32	50	240	180	152	2	1	✓	1,34	I J K L
QR0390156JGR00	39,0	32	50	244	184	156	2	1	✓	1,41	I J K L
QR0400160JGR00	40,0	32	50	248	188	160	2	1	✓	1,50	I J K L
QR0410164JHR00	41,0	40	50	262	192	164	2	1	✓	1,86	I J K L
QR0420168JHR00	42,0	40	50	266	196	168	2	1	✓	1,94	I J K L
QR0430172JHR00	43,0	40	50	270	200	172	2	1	✓	2,02	I J K L
QR0440176JHR00	44,0	40	60	281	211	176	2	1	✓	2,10	M N O P
QR0450180JHR00	45,0	40	60	285	215	180	2	1	✓	2,19	M N O P
QR0460184JHR00	46,0	40	60	289	219	184	2	1	✓	2,30	M N O P
QR0470188JHR00	47,0	40	60	293	223	188	2	1	✓	2,37	M N O P
QR0480192JHR00	48,0	40	60	297	227	192	2	1	✓	2,47	M N O P
QR0490196JHR00	49,0	40	60	301	231	196	2	1	✓	2,59	M N O P
QR0500200JHR00	50,0	40	60	305	235	200	2	1	✓	2,64	M N O P

SPARE PARTS ACCESSOIRES

①



②



Diameter Range / Diamètres

27,0 - 36,0	SM35-088-60 (3,0Nm)	DS-T10S
37,0 - 43,0	SM40-093-20 (4,5Nm)	DS-T15S
44,0 - 50,0	SM50-113-20 (8,0Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis



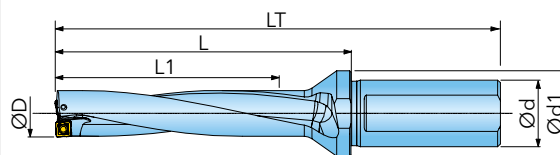
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505				
SOMT09T308SK ¹⁾	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8										
SOMT09T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT09T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT09T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT11T308SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8										
SOMT11T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT11T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT11T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT130408SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8										
SOMT130408NG	0,10/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT130408HP	0,10/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT130408PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT150510SK ¹⁾	0,06/0,24	positive geometry R1,0 / Géométrie positive R1,0										
SOMT150510NG	0,10/0,18	cast iron geometry R1,0 / Géométrie fonte R 1,0										
SOMT150510HP	0,10/0,18	non-ferrous geometry, polished R1,0 / Géo. pour mat. non fer., polie R1,0										
SOMT150510PS	0,06/0,14	Chip breaker geometry R1,0 / Géométrie copeaux longs R1,0										

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

● = P ● = M ● = K ● = N ● = S ○ = H

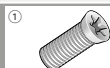
QUADT**TWIST** INDEXABLE DRILL 5D Ø12 - Ø26 FORET A PLAQUETTES 5D Ø12 - Ø26

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff		 kg	Related Insert Plaquette préconisée
QR0120060JER00	12,0	20	25	130	80	60	2	1	✓	0,15	A
QR0130065JER00	13,0	20	25	135	85	65	2	1	✓	0,16	A
QR0140070JER00	14,0	20	25	138	88	70	2	1	✓	0,17	BCDE
QR0150075JER00	15,0	20	25	144	94	75	2	1	✓	0,18	BCDE
QR0160080JER00	16,0	20	25	150	100	80	2	1	✓	0,19	BCDE
QR0170085JFR00	17,0	25	32	161	105	85	2	1	✓	0,31	FGHI
QR0180090JFR00	18,0	25	32	167	111	90	2	1	✓	0,32	FGHI
QR0190095JFR00	19,0	25	32	172	116	95	2	1	✓	0,34	FGHI
QR0200100JFR00	20,0	25	32	179	123	100	2	1	✓	0,36	JKLM
QR0210105JFR00	21,0	25	32	184	128	105	2	1	✓	0,38	JKLM
QR0220110JFR00	22,0	25	32	189	133	110	2	1	✓	0,40	JKLM
QR0230115JFR00	23,0	25	32	193	137	115	2	1	✓	0,42	NOPO
QR0240120JFR00	24,0	25	32	198	142	120	2	1	✓	0,45	NOPO
QR0250125JFR00	25,0	25	32	203	147	125	2	1	✓	0,46	NOPO
QR0260130JFR00	26,0	25	32	207	151	130	2	1	✓	0,50	NOPO

SPARE PARTS ACCESSOIRES



Diameter Range / Diamètres

12,0 - 13,0	TS 180411/HG (0,5Nm)	DS-TP06S (TX-Plus)
14,0 - 16,0	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)
17,0 - 22,0	TS 220521/HG-P (0,8Nm)	DS-TP07S (TX-Plus)
23,0 - 26,0	SO 250651 (1,1Nm)	DS-T07S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

A SOMT040204SK	
B SOMT050204SK	
C SOMT050204NG	
D SOMT050204HP	
E SOMT050204PS	
F SOMT060204SK	
G SOMT060204NG	
H SOMT060204HP	
I SOMT060204PS	
J SOMT070306SK	
K SOMT070306NG	
L SOMT070306HP	
M SOMT070306PS	
N SOMT08T306SK	
O SOMT08T306NG	
P SOMT08T306HP	
Q SOMT08T306PS	

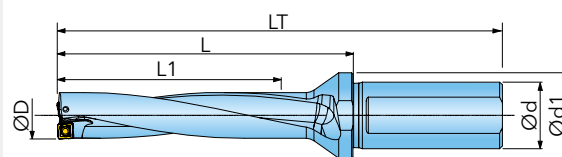
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505				
SOMT040204SK	0,04/0,14	positive geometry R0,4 / Géométrie positive R0,4										
SOMT050204SK ¹⁾	0,04/0,18	positive geometry R0,4 / Géométrie positive R0,4										
SOMT050204NG	0,06/0,15	cast iron geometry R0,4 / Géométrie fonte R 0,4										
SOMT050204HP	0,06/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4										
SOMT050204PS	0,04/0,10	Chip breaker geometry R0,4 / Géométrie copeaux longs R0,4										
SOMT060204SK ¹⁾	0,04/0,18	positive geometry R0,4 / Géométrie positive R0,4										
SOMT060204NG	0,06/0,15	cast iron geometry R0,4 / Géométrie fonte R 0,4										
SOMT060204HP	0,06/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4										
SOMT060204PS	0,04/0,11	Chip breaker geometry R0,4 / Géométrie copeaux longs R0,4										
SOMT070306SK ¹⁾	0,04/0,20	positive geometry R0,6 / Géométrie positive R0,6										
SOMT070306NG	0,08/0,16	cast iron geometry R0,6 / Géométrie fonte R 0,6										
SOMT070306HP	0,08/0,16	non-ferrous geometry, polished R0,6 / Géo. pour mat. non fer., polie R0,6										
SOMT070306PS	0,04/0,12	Chip breaker geometry R0,6 / Géométrie copeaux longs R0,6										
SOMT08T306SK ¹⁾	0,04/0,20	positive geometry R0,6 / Géométrie positive R0,6										
SOMT08T306NG	0,08/0,16	cast iron geometry R0,6 / Géométrie fonte R 0,6										
SOMT08T306HP	0,08/0,16	non-ferrous geometry, polished R0,6 / Géo. pour mat. non fer., polie R0,6										
SOMT08T306PS	0,04/0,12	Chip breaker geometry R0,6 / Géométrie copeaux longs R0,6										

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

● = P ● = M ● = K ● = N ● = S ○ = H

QUADT**TWIST** INDEXABLE DRILL 5D Ø27 - Ø50 FORET A PLAQUETTES 5D Ø27 - Ø50

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff		 kg	Related Insert Plaquette préconisée
QR0270135JFR00	27,0	25	40	214	158	135	2	1	✓	0,65	A B C D
QR0280140JFR00	28,0	25	40	219	163	140	2	1	✓	0,68	A B C D
QR0290145JGR00	29,0	32	40	228	168	145	2	1	✓	0,86	A B C D
QR0300150JGR00	30,0	32	40	233	173	150	2	1	✓	1,04	A B C D
QR0310155JGR00	31,0	32	40	238	178	155	2	1	✓	1,08	A B C D
QR0320160JGR00	32,0	32	40	243	183	160	2	1	✓	1,14	E F G H
QR0330165JGR00	33,0	32	40	248	188	165	2	1	✓	1,20	E F G H
QR0340170JGR00	34,0	32	40	253	193	170	2	1	✓	1,26	E F G H
QR0350175JGR00	35,0	32	40	258	198	175	2	1	✓	1,29	E F G H
QR0360180JGR00	36,0	32	40	263	203	180	2	1	✓	1,39	E F G H
QR0370185JGR00	37,0	32	50	273	213	185	2	1	✓	1,40	I J K L
QR0380190JGR00	38,0	32	50	278	218	190	2	1	✓	1,50	I J K L
QR0390195JGR00	39,0	32	50	283	223	195	2	1	✓	1,56	I J K L
QR0400200JGR00	40,0	32	50	288	228	200	2	1	✓	1,68	I J K L
QR0410205JHR00	41,0	40	50	303	233	205	2	1	✓	2,08	I J K L
QR0420210JHR00	42,0	40	50	308	238	210	2	1	✓	2,16	I J K L
QR0430215JHR00	43,0	40	50	313	243	215	2	1	✓	2,28	I J K L
QR0440220JHR00	44,0	40	60	325	255	220	2	1	✓	2,36	M N O P
QR0450225JHR00	45,0	40	60	330	260	225	2	1	✓	2,45	M N O P
QR0460230JHR00	46,0	40	60	335	265	230	2	1	✓	2,56	M N O P
QR0470235JHR00	47,0	40	60	340	270	235	2	1	✓	2,63	M N O P
QR0480240JHR00	48,0	40	60	345	275	240	2	1	✓	2,73	M N O P
QR0490245JHR00	49,0	40	60	350	280	245	2	1	✓	2,85	M N O P
QR0500250JHR00	50,0	40	60	355	285	250	2	1	✓	2,95	M N O P

SPARE PARTS ACCESSOIRES

①



②



Diameter Range / Diamètres

27,0 - 36,0	SM35-088-60 (3,0Nm)	DS-T10S
37,0 - 43,0	SM40-093-20 (4,5Nm)	DS-T15S
44,0 - 50,0	SM50-113-20 (8,0Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis



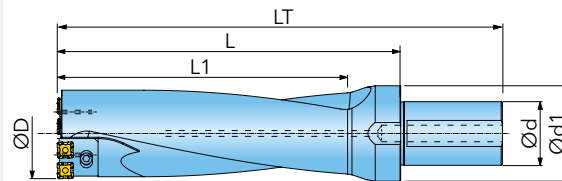
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505				
SOMT09T308SK ¹⁾	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8										
SOMT09T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT09T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT09T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT11T308SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8										
SOMT11T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT11T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT11T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT130408SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8										
SOMT130408NG	0,10/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8										
SOMT130408HP	0,10/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SOMT130408PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8										
SOMT150510SK ¹⁾	0,06/0,24	positive geometry R1,0 / Géométrie positive R1,0										
SOMT150510NG	0,10/0,18	cast iron geometry R1,0 / Géométrie fonte R 1,0										
SOMT150510HP	0,10/0,18	non-ferrous geometry, polished R1,0 / Géo. pour mat. non fer., polie R1,0										
SOMT150510PS	0,06/0,14	Chip breaker geometry R1,0 / Géométrie copeaux longs R1,0										

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

● = P ● = M ● = K ● = N ● = S ○ = H

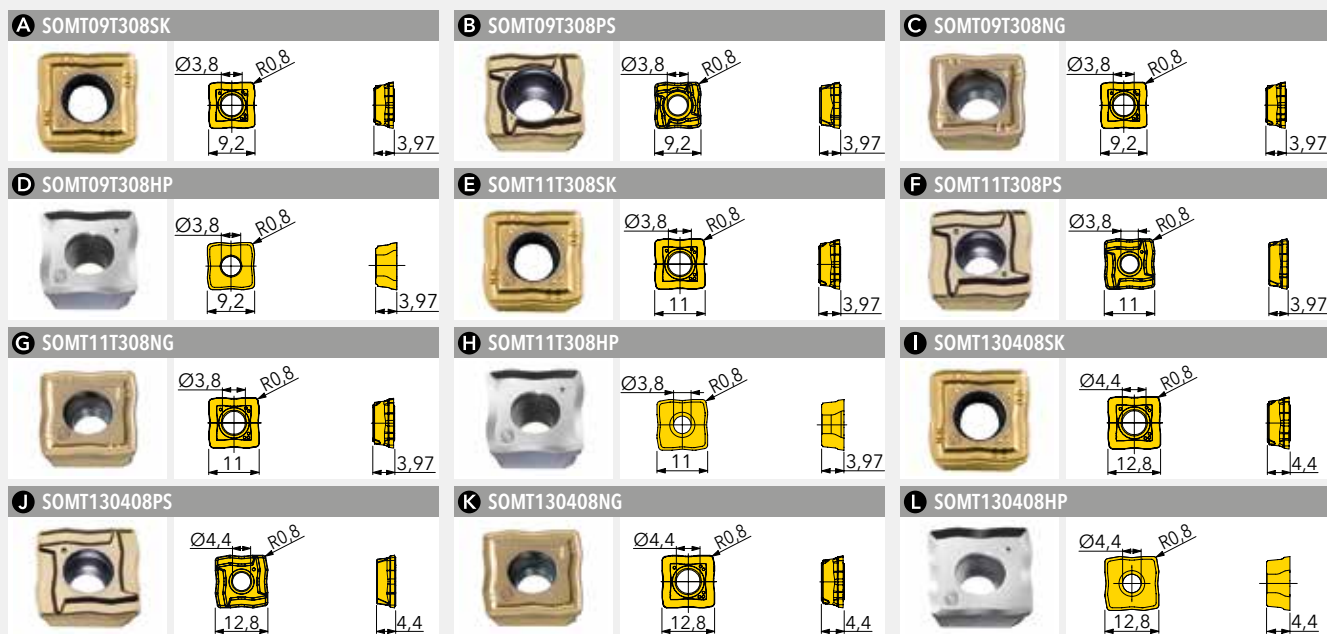
QUADT**TWIST** CARTRIDGE INDEXABLE DRILL 2D Ø51 - Ø80 FORET À CARTOUCHES 2D Ø51 - Ø80

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	Z	Zeff	PA		 kg	Related Insert Plaquette préconisée
QR0510110JJR00	51	51	55	50	64	223	143	110	4	1	-	✓	2,48	A B C D
QR0510110JJR00	52	51	55	50	64	223	143	110	4	1	PA-5333	✓	2,48	A B C D
QR0510110JJR00	53	51	55	50	64	223	143	110	4	1	PA-5334	✓	2,48	A B C D
QR0510110JJR00	54	51	55	50	64	223	143	110	4	1	PA-5335	✓	2,48	A B C D
QR0510110JJR00	55	51	55	50	64	223	143	110	4	1	PA-5336	✓	2,48	A B C D
QR0560120JJR00	56	56	60	50	64	236	156	120	4	1	-	✓	2,81	E F G H
QR0560120JJR00	57	56	60	50	64	236	156	120	4	1	PA-5333	✓	2,81	E F G H
QR0560120JJR00	58	56	60	50	64	236	156	120	4	1	PA-5334	✓	2,81	E F G H
QR0560120JJR00	59	56	60	50	64	236	156	120	4	1	PA-5335	✓	2,81	E F G H
QR0560120JJR00	60	56	60	50	64	236	156	120	4	1	PA-5336	✓	2,81	E F G H
QR0610130JJR00	61	61	65	50	69	249	169	130	4	1	-	✓	3,72	E F G H
QR0610130JJR00	62	61	65	50	69	249	169	130	4	1	PA-5333	✓	3,72	E F G H
QR0610130JJR00	63	61	65	50	69	249	169	130	4	1	PA-5334	✓	3,72	E F G H
QR0610130JJR00	64	61	65	50	69	249	169	130	4	1	PA-5335	✓	3,72	E F G H
QR0610130JJR00	65	61	65	50	69	249	169	130	4	1	PA-5336	✓	3,72	E F G H
QR0660140JJR00	66	66	70	50	69	262	182	140	4	1	-	✓	4,22	E F G H
QR0660140JJR00	67	66	70	50	69	262	182	140	4	1	PA-5333	✓	4,22	E F G H
QR0660140JJR00	68	66	70	50	69	262	182	140	4	1	PA-5334	✓	4,22	E F G H
QR0660140JJR00	69	66	70	50	69	262	182	140	4	1	PA-5335	✓	4,22	E F G H
QR0660140JJR00	70	66	70	50	69	262	182	140	4	1	PA-5336	✓	4,22	E F G H
QR0710150JJR00	71	71	75	50	74	275	195	150	4	1	-	✓	4,64	I J K L
QR0710150JJR00	72	71	75	50	74	275	195	150	4	1	PA-5333	✓	4,64	I J K L
QR0710150JJR00	73	71	75	50	74	275	195	150	4	1	PA-5334	✓	4,64	I J K L
QR0710150JJR00	74	71	75	50	74	275	195	150	4	1	PA-5335	✓	4,64	I J K L
QR0710150JJR00	75	71	75	50	74	275	195	150	4	1	PA-5336	✓	4,64	I J K L
QR0760160JJR00	76	76	80	50	74	288	208	160	4	1	-	✓	5,41	I J K L
QR0760160JJR00	77	76	80	50	74	288	208	160	4	1	PA-5333	✓	5,41	I J K L
QR0760160JJR00	78	76	80	50	74	288	208	160	4	1	PA-5334	✓	5,41	I J K L
QR0760160JJR00	79	76	80	50	74	288	208	160	4	1	PA-5335	✓	5,41	I J K L
QR0760160JJR00	80	76	80	50	74	288	208	160	4	1	PA-5336	✓	5,41	I J K L

Included in delivery: body, cartridges and setting plates (PA). / La livraison inclue: corps, cartouches et cales d'ajustement (PA).



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505			
SOMT09T308SK ¹⁾	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SOMT09T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8									
SOMT09T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SOMT09T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SOMT11T308SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SOMT11T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8									
SOMT11T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SOMT11T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SOMT130408SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SOMT130408PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8									
SOMT130408NG	0,10/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SOMT130408HP	0,10/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

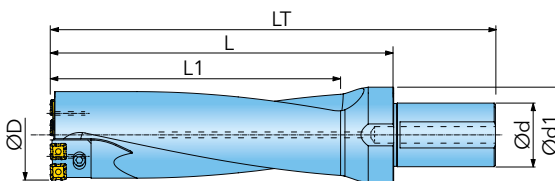
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES		①	②	③	④	⑤	⑥	⑦
Diameter Range / Diamètres								
51 - 55	55F233R02	55F203R00	SM35-088-60 (3,0Nm)	DS-T10S	SH M4X0.7X16 (3,5Nm)	MW 4.3X8	SM20-043-00 (0,7Nm)	
56 - 60	55G253R00	55G233R00	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	SM20-043-00 (0,7Nm)	
61 - 65	55G273R00	55G253R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	SM20-043-00 (0,7Nm)	
66 - 70	55G293R00	55G273R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	SM20-043-00 (0,7Nm)	
71 - 75	55H313R00	55H293R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6X1X20 (10Nm)	MW 6.4X12	SM20-043-00 (0,7Nm)	
76 - 80	55H333R00	55H303R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6X1X20 (10Nm)	MW 6.4X12	SM20-043-00 (0,7Nm)	

① = Peripheral cartridge / Cartouche périphérique ② = Center cartridge / Cartouche central ③ = Insert screw / Vis de serrage plaquette ④ = Screw driver / Tournevis ⑤ = Clamp screw / Vis de serrage ⑥ = Shim / Assise de protection ⑦ = Insert screw / Vis de serrage plaquette

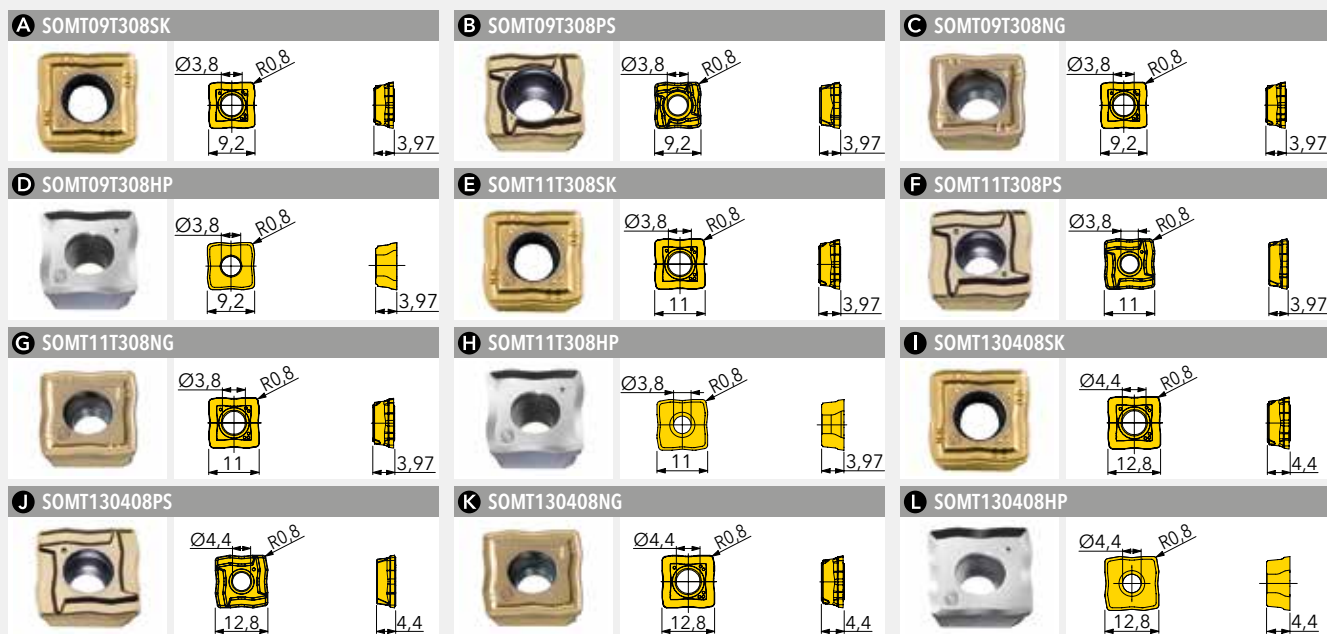
QUADT WIST CARTRIDGE INDEXABLE DRILL 3D Ø51 - Ø80 FORET À CARTOUCHES 3D Ø51 - Ø80

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	Z	Zeff	PA		 kg	Related Insert Plaquette préconisée
QR0510165JJR00	51	51	55	50	64	278	198	165	4	1	-	✓	3,25	A B C D
QR0510165JJR00	52	51	55	50	64	278	198	165	4	1	PA-5333	✓	3,25	A B C D
QR0510165JJR00	53	51	55	50	64	278	198	165	4	1	PA-5334	✓	3,25	A B C D
QR0510165JJR00	54	51	55	50	64	278	198	165	4	1	PA-5335	✓	3,25	A B C D
QR0510165JJR00	55	51	55	50	64	278	198	165	4	1	PA-5336	✓	3,25	A B C D
QR0560180JJR00	56	56	60	50	64	296	216	180	4	1	-	✓	3,59	E F G H
QR0560180JJR00	57	56	60	50	64	296	216	180	4	1	PA-5333	✓	3,59	E F G H
QR0560180JJR00	58	56	60	50	64	296	216	180	4	1	PA-5334	✓	3,59	E F G H
QR0560180JJR00	59	56	60	50	64	296	216	180	4	1	PA-5335	✓	3,59	E F G H
QR0560180JJR00	60	56	60	50	64	296	216	180	4	1	PA-5336	✓	3,59	E F G H
QR0610195JJR00	61	61	65	50	69	314	234	195	4	1	-	✓	4,58	E F G H
QR0610195JJR00	62	61	65	50	69	314	234	195	4	1	PA-5333	✓	4,58	E F G H
QR0610195JJR00	63	61	65	50	69	314	234	195	4	1	PA-5334	✓	4,58	E F G H
QR0610195JJR00	64	61	65	50	69	314	234	195	4	1	PA-5335	✓	4,58	E F G H
QR0610195JJR00	65	61	65	50	69	314	234	195	4	1	PA-5336	✓	4,58	E F G H
QR0660210JJR00	66	66	70	50	69	332	252	210	4	1	-	✓	4,88	E F G H
QR0660210JJR00	67	66	70	50	69	332	252	210	4	1	PA-5333	✓	4,88	E F G H
QR0660210JJR00	68	66	70	50	69	332	252	210	4	1	PA-5334	✓	4,88	E F G H
QR0660210JJR00	69	66	70	50	69	332	252	210	4	1	PA-5335	✓	4,88	E F G H
QR0660210JJR00	70	66	70	50	69	332	252	210	4	1	PA-5336	✓	4,88	E F G H
QR0710225JJR00	71	71	75	50	74	350	270	225	4	1	-	✓	5,65	I J K L
QR0710225JJR00	72	71	75	50	74	350	270	225	4	1	PA-5333	✓	5,65	I J K L
QR0710225JJR00	73	71	75	50	74	350	270	225	4	1	PA-5334	✓	5,65	I J K L
QR0710225JJR00	74	71	75	50	74	350	270	225	4	1	PA-5335	✓	5,65	I J K L
QR0710225JJR00	75	71	75	50	74	350	270	225	4	1	PA-5336	✓	5,65	I J K L
QR0760240JJR00	76	76	80	50	74	368	288	240	4	1	-	✓	6,85	I J K L
QR0760240JJR00	77	76	80	50	74	368	288	240	4	1	PA-5333	✓	6,85	I J K L
QR0760240JJR00	78	76	80	50	74	368	288	240	4	1	PA-5334	✓	6,85	I J K L
QR0760240JJR00	79	76	80	50	74	368	288	240	4	1	PA-5335	✓	6,85	I J K L
QR0760240JJR00	80	76	80	50	74	368	288	240	4	1	PA-5336	✓	6,85	I J K L

Included in delivery: body, cartridges and setting plates (PA). / La livraison inclue: corps, cartouches et cales d'ajustement (PA).



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505			
SOMT09T308SK ¹⁾	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SOMT09T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8									
SOMT09T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SOMT09T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SOMT11T308SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SOMT11T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8									
SOMT11T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SOMT11T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SOMT130408SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SOMT130408PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8									
SOMT130408NG	0,10/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SOMT130408HP	0,10/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									

¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

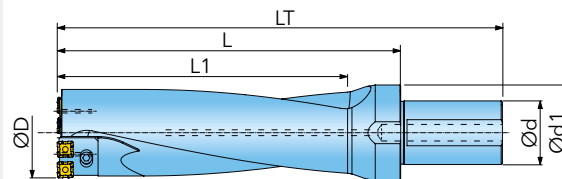
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES		①	②	③	④	⑤	⑥	⑦
Diameter Range / Diamètres								
51 - 55	55F233R02	55F203R00	SM35-088-60 (3,0Nm)	DS-T10S	SH M4X0.7X16 (3,5Nm)	MW 4.3X8	SM20-043-00 (0,7Nm)	
56 - 60	55G253R00	55G233R00	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	SM20-043-00 (0,7Nm)	
61 - 65	55G273R00	55G253R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	SM20-043-00 (0,7Nm)	
66 - 70	55G293R00	55G273R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	SM20-043-00 (0,7Nm)	
71 - 75	55H313R00	55H293R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6X1X20 (10Nm)	MW 6.4X12	SM20-043-00 (0,7Nm)	
76 - 80	55H333R00	55H303R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6X1X20 (10Nm)	MW 6.4X12	SM20-043-00 (0,7Nm)	

① = Peripheral cartridge / Cartouche périphérique ② = Center cartridge / Cartouche central ③ = Insert screw / Vis de serrage plaquette ④ = Screw driver / Tournevis ⑤ = Clamp screw / Vis de serrage ⑥ = Shim / Assise de protection ⑦ = Insert screw / Vis de serrage plaquette

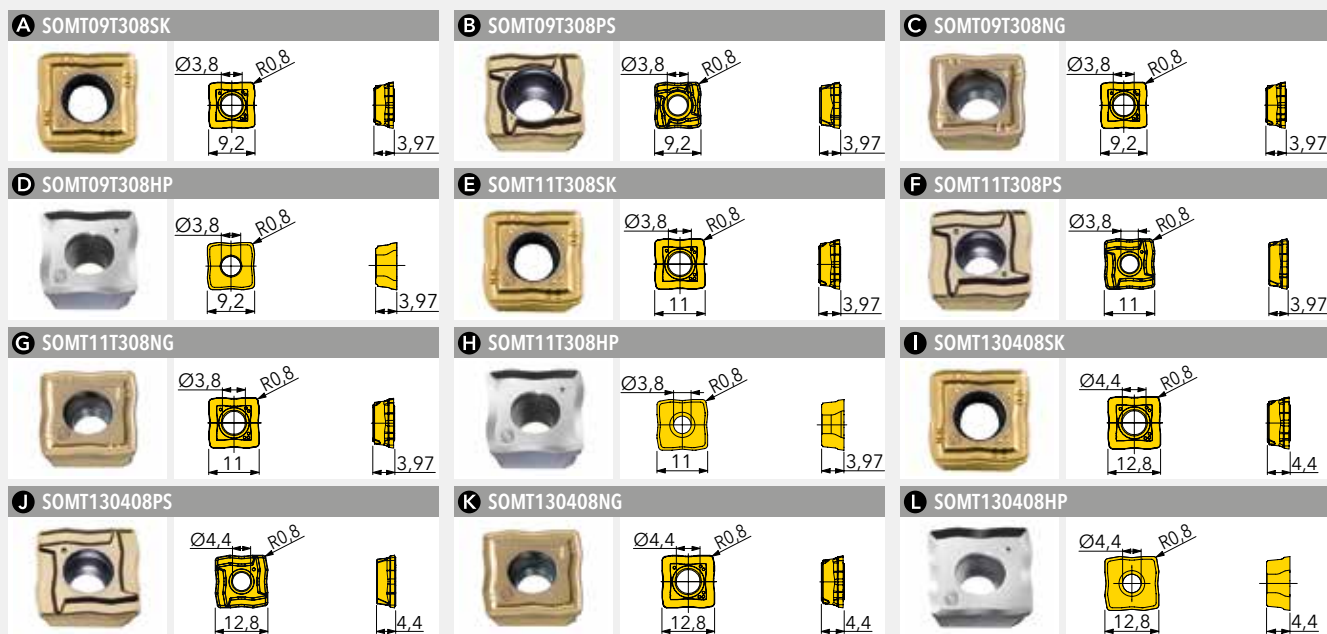
QUADT WIST CARTRIDGE INDEXABLE DRILL 4D Ø51 - Ø80 FORET À CARTOUCHES 4D Ø51 - Ø80

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	Z	Zeff	PA			Related Insert Plaquette préconisée
QR0510220JJR00	51	51	55	50	64	333	253	220	4	1	-	✓	4,02	A B C D
QR0510220JJR00	52	51	55	50	64	333	253	220	4	1	PA-5333	✓	4,02	A B C D
QR0510220JJR00	53	51	55	50	64	333	253	220	4	1	PA-5334	✓	4,02	A B C D
QR0510220JJR00	54	51	55	50	64	333	253	220	4	1	PA-5335	✓	4,02	A B C D
QR0510220JJR00	55	51	55	50	64	333	253	220	4	1	PA-5336	✓	4,02	A B C D
QR0560240JJR00	56	56	60	50	64	356	276	240	4	1	-	✓	4,37	E F G H
QR0560240JJR00	57	56	60	50	64	356	276	240	4	1	PA-5333	✓	4,37	E F G H
QR0560240JJR00	58	56	60	50	64	356	276	240	4	1	PA-5334	✓	4,37	E F G H
QR0560240JJR00	59	56	60	50	64	356	276	240	4	1	PA-5335	✓	4,37	E F G H
QR0560240JJR00	60	56	60	50	64	356	276	240	4	1	PA-5336	✓	4,37	E F G H
QR0610260JJR00	61	61	65	50	69	379	299	260	4	1	-	✓	5,35	E F G H
QR0610260JJR00	62	61	65	50	69	379	299	260	4	1	PA-5333	✓	5,35	E F G H
QR0610260JJR00	63	61	65	50	69	379	299	260	4	1	PA-5334	✓	5,35	E F G H
QR0610260JJR00	64	61	65	50	69	379	299	260	4	1	PA-5335	✓	5,35	E F G H
QR0610260JJR00	65	61	65	50	69	379	299	260	4	1	PA-5336	✓	5,35	E F G H
QR0660280JJR00	66	66	70	50	69	402	322	280	4	1	-	✓	5,54	E F G H
QR0660280JJR00	67	66	70	50	69	402	322	280	4	1	PA-5333	✓	5,54	E F G H
QR0660280JJR00	68	66	70	50	69	402	322	280	4	1	PA-5334	✓	5,54	E F G H
QR0660280JJR00	69	66	70	50	69	402	322	280	4	1	PA-5335	✓	5,54	E F G H
QR0660280JJR00	70	66	70	50	69	402	322	280	4	1	PA-5336	✓	5,54	E F G H
QR0710300JJR00	71	71	75	50	74	425	345	300	4	1	-	✓	6,70	I J K L
QR0710300JJR00	72	71	75	50	74	425	345	300	4	1	PA-5333	✓	6,70	I J K L
QR0710300JJR00	73	71	75	50	74	425	345	300	4	1	PA-5334	✓	6,70	I J K L
QR0710300JJR00	74	71	75	50	74	425	345	300	4	1	PA-5335	✓	6,70	I J K L
QR0710300JJR00	75	71	75	50	74	425	345	300	4	1	PA-5336	✓	6,70	I J K L
QR0760320JJR00	76	76	80	50	74	448	368	320	4	1	-	✓	8,15	I J K L
QR0760320JJR00	77	76	80	50	74	448	368	320	4	1	PA-5333	✓	8,15	I J K L
QR0760320JJR00	78	76	80	50	74	448	368	320	4	1	PA-5334	✓	8,15	I J K L
QR0760320JJR00	79	76	80	50	74	448	368	320	4	1	PA-5335	✓	8,15	I J K L
QR0760320JJR00	80	76	80	50	74	448	368	320	4	1	PA-5336	✓	8,15	I J K L

Included in delivery: body, cartridges and setting plates (PA). / La livraison inclue: corps, cartouches et cales d'ajustement (PA).



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6505			
SOMT09T308SK ¹⁾	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SOMT09T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8									
SOMT09T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SOMT09T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SOMT11T308SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SOMT11T308PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8									
SOMT11T308NG	0,08/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SOMT11T308HP	0,08/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SOMT130408SK ¹⁾	0,06/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SOMT130408PS	0,06/0,13	Chip breaker geometry R0,8 / Géométrie copeaux longs R0,8									
SOMT130408NG	0,10/0,18	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SOMT130408HP	0,10/0,18	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									

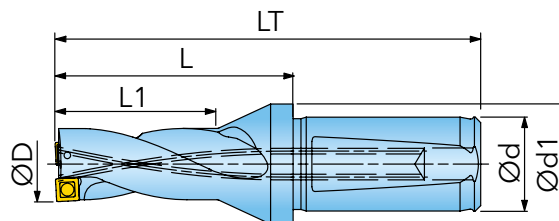
¹⁾ Use IN6505 grade only for peripheral inserts / Le revêtement IN6505 est uniquement pour les plaquettes extérieures

● = P ● = M ● = K ● = N ● = S ○ = H

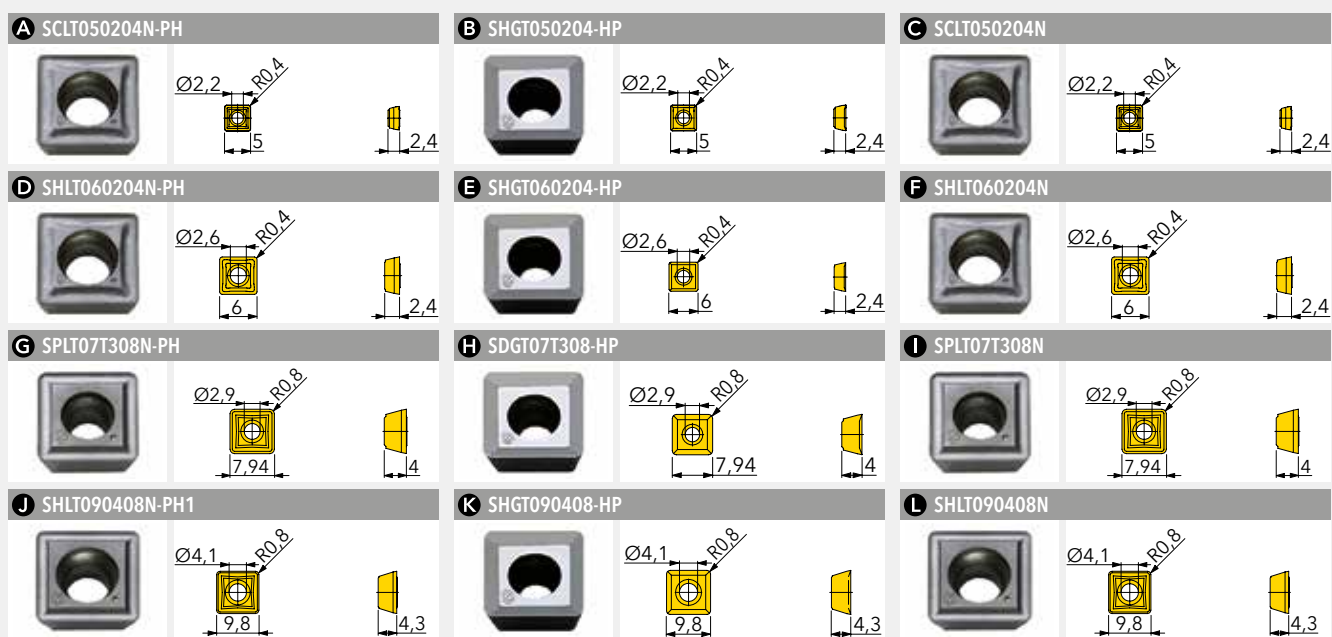
SPARE PARTS ACCESSOIRES		①	②	③	④	⑤	⑥	⑦
Diameter Range / Diamètres								
51 - 55	55F233R02	55F203R00	SM35-088-60 (3,0Nm)	DS-T10S	SH M4X0.7X16 (3,5Nm)	MW 4.3X8	SM20-043-00 (0,7Nm)	
56 - 60	55G253R00	55G233R00	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	SM20-043-00 (0,7Nm)	
61 - 65	55G273R00	55G253R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	SM20-043-00 (0,7Nm)	
66 - 70	55G293R00	55G273R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10	SM20-043-00 (0,7Nm)	
71 - 75	55H313R00	55H293R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6X1X20 (10Nm)	MW 6.4X12	SM20-043-00 (0,7Nm)	
76 - 80	55H333R00	55H303R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6X1X20 (10Nm)	MW 6.4X12	SM20-043-00 (0,7Nm)	

① = Peripheral cartridge / Cartouche périphérique ② = Center cartridge / Cartouche central ③ = Insert screw / Vis de serrage plaquette ④ = Screw driver / Tournevis ⑤ = Clamp screw / Vis de serrage ⑥ = Shim / Assise de protection ⑦ = Insert screw / Vis de serrage plaquette

ADAPTION ACC. TO DIN 1835 E
ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff		 kg	Related Insert Plaquette préconisée
Q0130026WWR00	13	20	25	94	44	26	2	1	✓	0,15	ABC
Q0140028WWR00	14	20	25	96	46	28	2	1	✓	0,16	ABC
Q0150030WWR00	15	20	25	99	49	30	2	1	✓	0,16	ABC
Q0160032WXR00	16	25	32	108	52	32	2	1	✓	0,26	DEF
Q0170034WXR00	17	25	32	110	54	34	2	1	✓	0,26	DEF
Q0180036WXR00	18	25	32	113	57	36	2	1	✓	0,26	DEF
Q0190038WXR00	19	25	32	115	59	38	2	1	✓	0,27	DEF
Q0200040WXR00	20	25	32	119	63	40	2	1	✓	0,29	DEF
Q0210042WXR00	21	25	32	121	65	42	2	1	✓	0,33	DEF
Q0220044WXR01	22	25	32	123	67	44	2	1	✓	0,33	GHI
Q0230046WXR00	23	25	45	127	71	46	2	1	✓	0,42	GHI
Q0240048WXR00	24	25	45	130	74	48	2	1	✓	0,44	GHI
Q0250050WXR00	25	25	45	133	77	50	2	1	✓	0,45	GHI
Q0260052WXR00	26	25	45	135	79	52	2	1	✓	0,46	GHI
Q0270054WXR00	27	25	45	137	81	54	2	1	✓	0,47	GHI
Q0280056WXR00	28	25	45	140	84	56	2	1	✓	0,49	JKL
Q0290058WYR01	29	32	45	146	86	58	2	1	✓	0,66	JKL



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4 / Géométrie positive R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



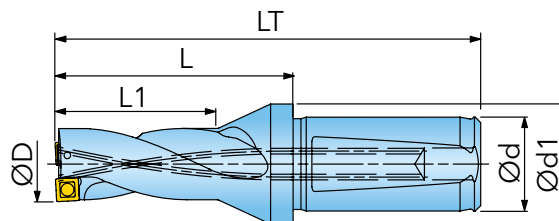
Diameter Range / Diamètres

13 - 15	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)
16 - 21	SM22-052-00 (0,8Nm)	DS-T07S
22 - 27	SM25-064-00 (1,1Nm)	DS-T08S
28 - 29	SM35-088-60 (3,0Nm)	DS-T10S

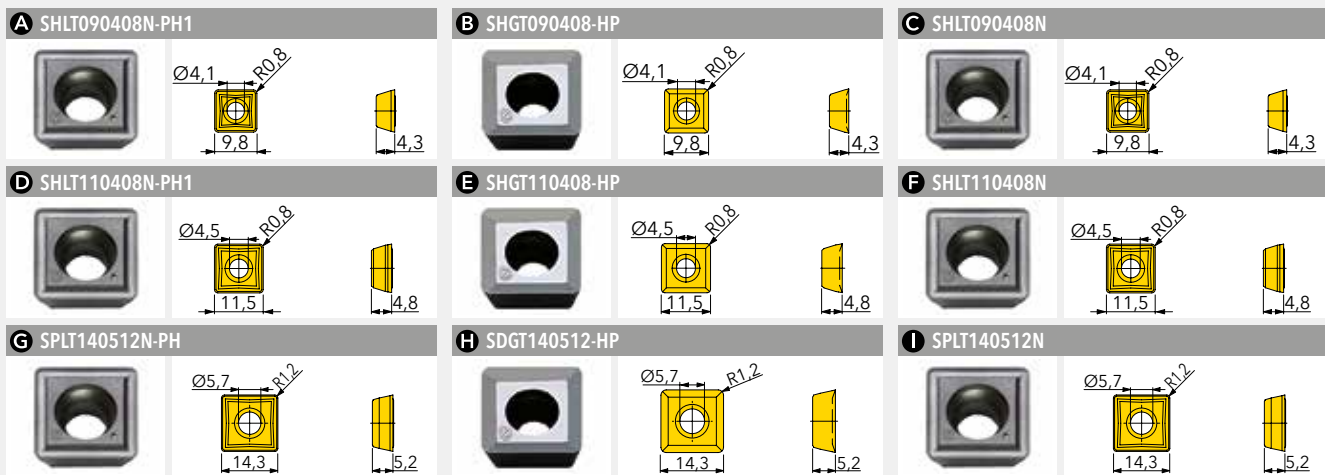
① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

QUADDRILL⁺ INDEXABLE DRILL 2D Ø30-Ø50
FORET A PLAQUETTES 2D Ø30-Ø50

ADAPTION ACC. TO DIN 1835 E
 ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	 K	 kg	Related Insert Plaquette préconisée
Q0300060WYR00	30	32	55	151	91	60	2	1	✓	0,78	ABC
Q0310062WYR00	31	32	55	154	94	62	2	1	✓	0,81	ABC
Q0320064WYR00	32	32	55	156	96	64	2	1	✓	0,84	ABC
Q0330066WYR00	33	32	55	159	99	66	2	1	✓	0,87	ABC
Q0340068WYR00	34	32	55	161	101	68	2	1	✓	0,89	DEF
Q0350070WYR00	35	32	55	164	104	70	2	1	✓	0,92	DEF
Q0360072WYR00	36	32	55	167	107	72	2	1	✓	0,96	DEF
Q0370074WYR00	37	32	55	170	110	74	2	1	✓	0,97	DEF
Q0380076WYR00	38	32	55	173	113	76	2	1	✓	1,00	DEF
Q0390078WYR00	39	32	55	175	115	78	2	1	✓	1,05	DEF
Q0400080WYR00	40	32	60	178	118	80	2	1	✓	1,10	DEF
Q0410082WZR00	41	40	60	191	121	82	2	1	✓	1,48	DEF
Q0420084WZR01	42	40	60	193	123	84	2	1	✓	1,50	GHI
Q0430086WZR01	43	40	60	196	126	86	2	1	✓	1,55	GHI
Q0440088WZR00	44	40	60	198	128	88	2	1	✓	1,60	GHI
Q0450090WZR00	45	40	60	202	132	90	2	1	✓	1,66	GHI
Q0460092WZR00	46	40	60	205	135	92	2	1	✓	1,71	GHI
Q0470094WZR00	47	40	60	207	137	94	2	1	✓	1,76	GHI
Q0480096WZR00	48	40	60	210	140	96	2	1	✓	1,84	GHI
Q0490098WZR00	49	40	60	212	142	98	2	1	✓	1,86	GHI
Q0500100WZR00	50	40	60	215	145	100	2	1	✓	1,93	GHI



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8 / Géométrie positive R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2 / Géométrie positive R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2 / Géo. pour mat. non fer., polie R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2 / Géométrie fonte R 1,2									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



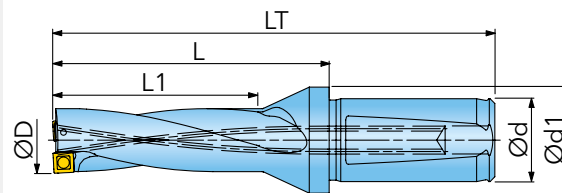
Diameter Range / Diamètres

30 - 33	SM35-088-60 (3,0Nm)	DS-T10S
34 - 41	SM40-093-20 (4,5Nm)	DS-T15S
42 - 50	SM50-122-50 (7,5Nm)	DS-T20S

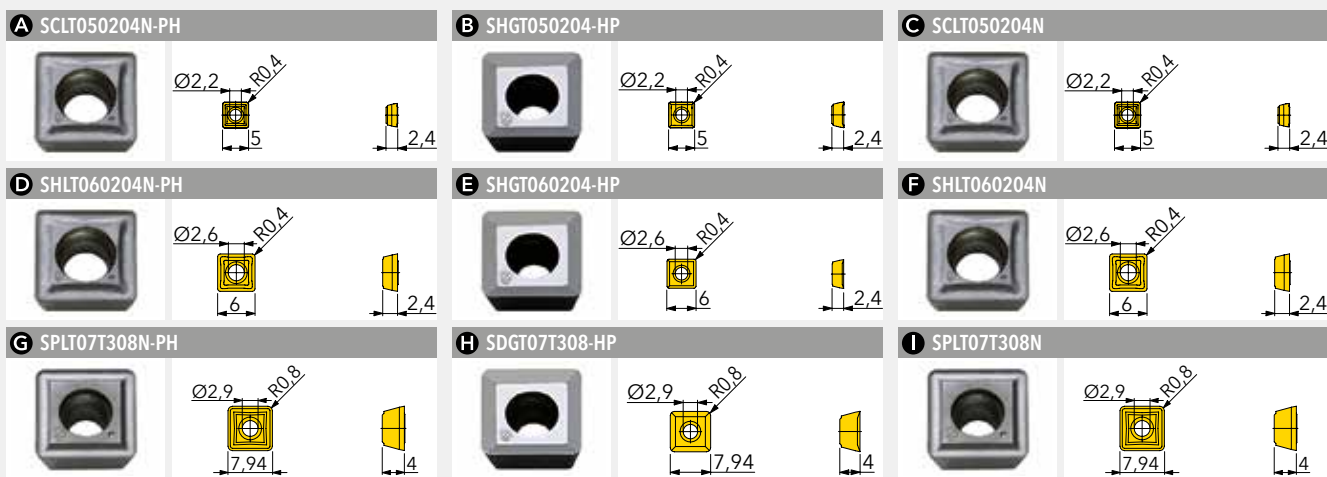
① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

QUADDRILL⁺ INDEXABLE DRILL 3D Ø12,5-Ø27,5 FORET A PLAQUETTES 3D Ø12,5-Ø27,5

ADAPTION ACC. TO DIN 1835 E
ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff		 kg	Related Insert Plaquette préconisée
Q0125038WXR00	12,5	20	25	107	57	38	2	1	✓	0,16	ABC
Q0130039WXR00	13	20	25	107	57	39	2	1	✓	0,16	ABC
Q0135041WXR00	13,5	20	25	110	60	41	2	1	✓	0,16	ABC
Q0140042WXR00	14	20	25	110	60	42	2	1	✓	0,17	ABC
Q0145044WXR00	14,5	20	25	114	64	44	2	1	✓	0,17	ABC
Q0150045WXR00	15	20	25	114	64	45	2	1	✓	0,17	ABC
Q0155047WXR00	15,5	25	32	124	68	47	2	1	✓	0,29	DEF
Q0160048WXR00	16	25	32	124	68	48	2	1	✓	0,30	DEF
Q0165050WXR00	16,5	25	32	127	71	50	2	1	✓	0,30	DEF
Q0170051WXR00	17	25	32	127	71	51	2	1	✓	0,30	DEF
Q0175051WXR00	17,5	25	32	131	75	53	2	1	✓	0,31	DEF
Q0180054WXR00	18	25	32	131	75	54	2	1	✓	0,32	DEF
Q0185055WXR00	18,5	25	32	134	78	55	2	1	✓	0,32	DEF
Q0190057WXR00	19	25	32	134	78	57	2	1	✓	0,32	DEF
Q0195057WXR00	19,5	25	32	139	83	59	2	1	✓	0,33	DEF
Q0200060WXR00	20	25	32	139	83	60	2	1	✓	0,34	DEF
Q0205061WXR00	20,5	25	32	142	86	61	2	1	✓	0,35	DEF
Q0210063WXR00	21	25	32	142	86	63	2	1	✓	0,36	DEF
Q0215064WXR00	21,5	25	32	145	89	64	2	1	✓	0,37	DEF
Q0220066WXR01	22	25	32	145	89	66	2	1	✓	0,37	GH1
Q0225067WXR00	22,5	25	45	150	94	67	2	1	✓	0,42	GH1
Q0230069WXR00	23	25	45	150	94	69	2	1	✓	0,45	GH1
Q0235070WXR00	23,5	25	45	154	98	70	2	1	✓	0,47	GH1
Q0240072WXR00	24	25	45	154	98	72	2	1	✓	0,48	GH1
Q0245074WXR00	24,5	25	45	158	102	74	2	1	✓	0,49	GH1
Q0250075WXR00	25	25	45	158	102	75	2	1	✓	0,50	GH1
Q0255077WXR00	25,5	25	45	161	105	78	2	1	✓	0,51	GH1
Q0260078WXR00	26	25	45	161	105	78	2	1	✓	0,52	GH1
Q0265079WXR00	26,5	25	45	164	108	79	2	1	✓	0,52	GH1
Q0270081WXR00	27	25	45	164	108	81	2	1	✓	0,53	GH1
Q0275083WXR00	27,5	25	45	168	112	84	2	1	✓	0,54	GH1



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4 / Géométrie positive R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



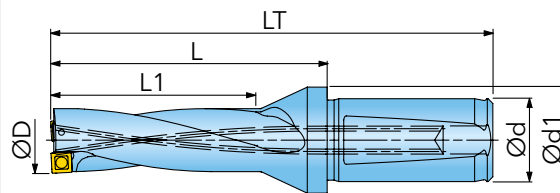
Diameter Range / Diamètres

12,5 - 15	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)
15,5 - 21,5	SM22-052-00 (0,8Nm)	DS-T07S
22 - 27,5	SM25-064-00 (1,1Nm)	DS-T08S

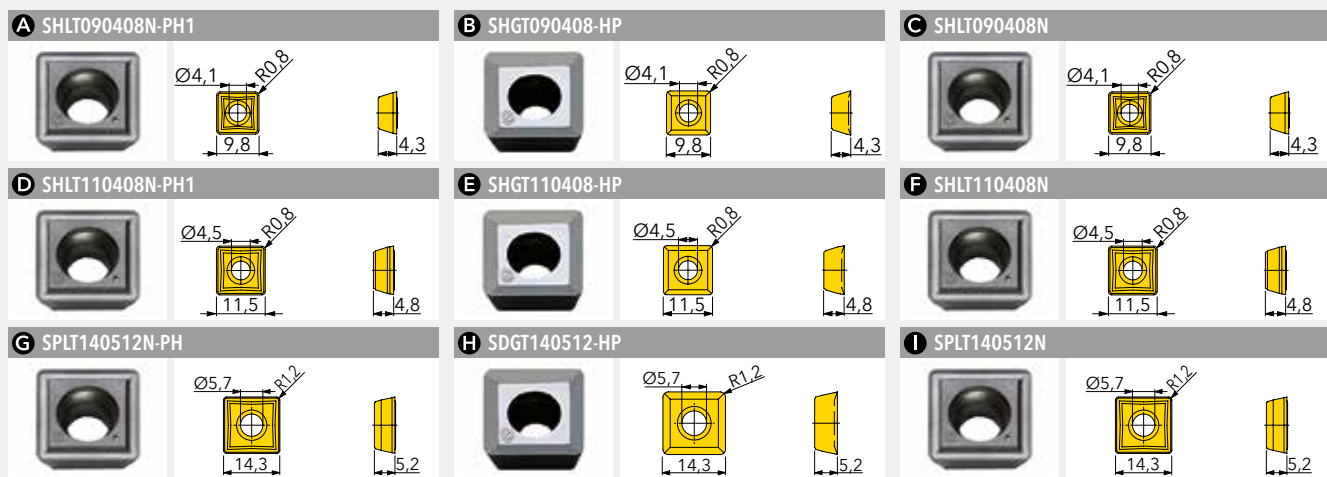
① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

QUADDRI⁺ INDEXABLE DRILL 3D Ø28-Ø50,5
FORET A PLAQUETTES 3D Ø28-Ø50,5

ADAPTION ACC. TO DIN 1835 E
 ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	 K	 kg	Related Insert Plaquette préconisée
Q0280084WXR00	28	25	45	168	112	84	2	1	✓	0,56	ABC
Q0285085WYR01	28,5	32	45	175	115	85	2	1	✓	0,72	ABC
Q0290087WYR01	29	32	45	175	115	87	2	1	✓	0,75	ABC
Q0295088WYR00	29,5	32	55	181	121	88	2	1	✓	0,84	ABC
Q0300090WYR00	30	32	55	181	121	90	2	1	✓	0,87	ABC
Q0310093WYR00	31	32	55	185	125	93	2	1	✓	0,90	ABC
Q0320096WYR00	32	32	55	188	128	96	2	1	✓	0,93	ABC
Q0330099WYR00	33	32	55	192	132	99	2	1	✓	0,97	ABC
Q0340102WYR00	34	32	55	195	135	102	2	1	✓	1,01	DEF
Q0345104WYR00	34,5	32	55	199	139	104	2	1	✓	1,04	DEF
Q0350105WYR00	35	32	55	199	139	105	2	1	✓	1,05	DEF
Q0360108WYR00	36	32	55	203	143	108	2	1	✓	1,10	DEF
Q0370111WYR00	37	32	55	207	147	111	2	1	✓	1,11	DEF
Q0375113WYR00	37,5	32	55	211	151	113	2	1	✓	1,14	DEF
Q0380114WYR00	38	32	55	211	151	114	2	1	✓	1,17	DEF
Q0390117WYR00	39	32	55	214	154	117	2	1	✓	1,23	DEF
Q0400120WYR00	40	32	60	218	158	120	2	1	✓	1,31	DEF
Q0405122WYR00	40,5	32	60	222	162	122	2	1	✓	1,39	DEF
Q0410123WZR00	41	40	60	232	162	123	2	1	✓	1,48	DEF
Q0420126WZR01	42	40	60	235	165	126	2	1	✓	1,62	GHI
Q0430129WZR01	43	40	60	239	169	129	2	1	✓	1,78	GHI
Q0440132WZR00	44	40	60	242	172	132	2	1	✓	1,83	GHI
Q0450135WZR00	45	40	60	247	177	135	2	1	✓	1,92	GHI
Q0460138WZR00	46	40	60	251	181	138	2	1	✓	1,99	GHI
Q0465140WZR00	46,5	40	60	254	184	140	2	1	✓	1,96	GHI
Q0470141WZR00	47	40	60	254	184	141	2	1	✓	2,05	GHI
Q0480144WZR00	48	40	60	258	188	144	2	1	✓	2,11	GHI
Q0490147WZR00	49	40	60	261	191	147	2	1	✓	2,16	GHI
Q0500150WZR00	50	40	60	265	195	150	2	1	✓	2,26	GHI
Q0505152WZR00	50,5	40	60	268	198	152	2	1	✓	2,31	GHI



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8 / Géométrie positive R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2 / Géométrie positive R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2 / Géo. pour mat. non fer., polie R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2 / Géométrie fonte R 1,2									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

①



②



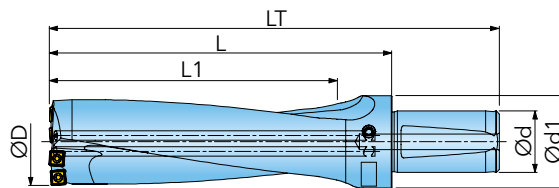
Diameter Range / Diamètres

28 - 33	SM35-088-60 (3,0Nm)	DS-T10S
34 - 41	SM40-093-20 (4,5Nm)	DS-T15S
42 - 50,5	SM50-122-50 (7,5Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

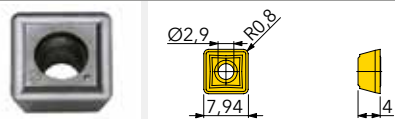
QUADDRILL⁺ INDEXABLE DRILL 3D Ø51 - Ø60 **FORET A PLAQUETTES 3D Ø51 - Ø60**

ADAPTION ACC. TO DIN 1835 E
ATTACHEMENT COMPATIBLE DIN 1835 E

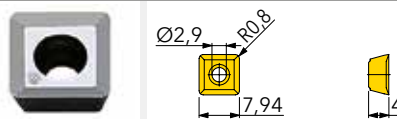


Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	IK	kg	Related Insert Plaquette préconisée
Q0510153WZR00	51	40	75	269	199	153	4	1	✓	2,25	A B C
Q0520156WZR00	52	40	75	273	203	156	4	1	✓	2,35	A B C
Q0530159WZR00	53	40	75	276	206	159	4	1	✓	2,45	A B C
Q0540162WZR00	54	40	75	278	208	162	4	1	✓	2,55	A B C
Q0550165WZR00	55	40	75	281	211	165	4	1	✓	2,65	A B C
Q0560168WZR00	56	40	75	285	215	168	4	1	✓	2,75	D E F
Q0570171WZR00	57	40	75	290	220	171	4	1	✓	2,85	D E F
Q0580174WZR00	58	40	75	294	224	174	4	1	✓	2,95	D E F
Q0590177WZR00	59	40	75	297	227	177	4	1	✓	3,07	D E F
Q0600180WZR00	60	40	75	301	231	180	4	1	✓	3,15	D E F

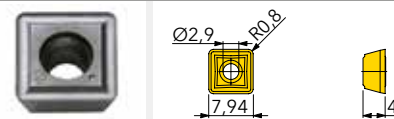
A SPLT07T308N-PH



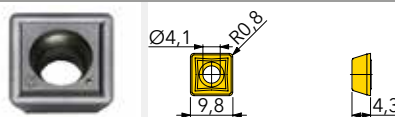
B SDGT07T308-HP



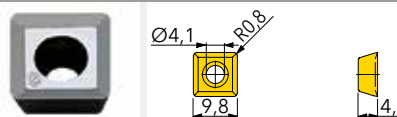
C SPLT07T308N



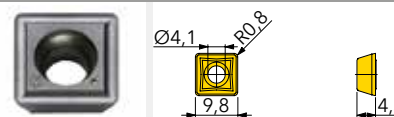
D SHLT090408N-PH1



E SHGT090408-HP



F SHLT090408N



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8 / Géométrie fonte R0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

①



②



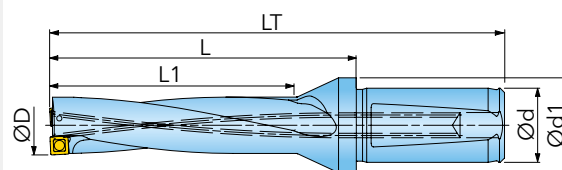
Diameter Range / Diamètres

51 - 55	SM25-064-00 (1,1Nm)	DS-T08S
56 - 60	SM35-088-60 (3,0Nm)	DS-T10S

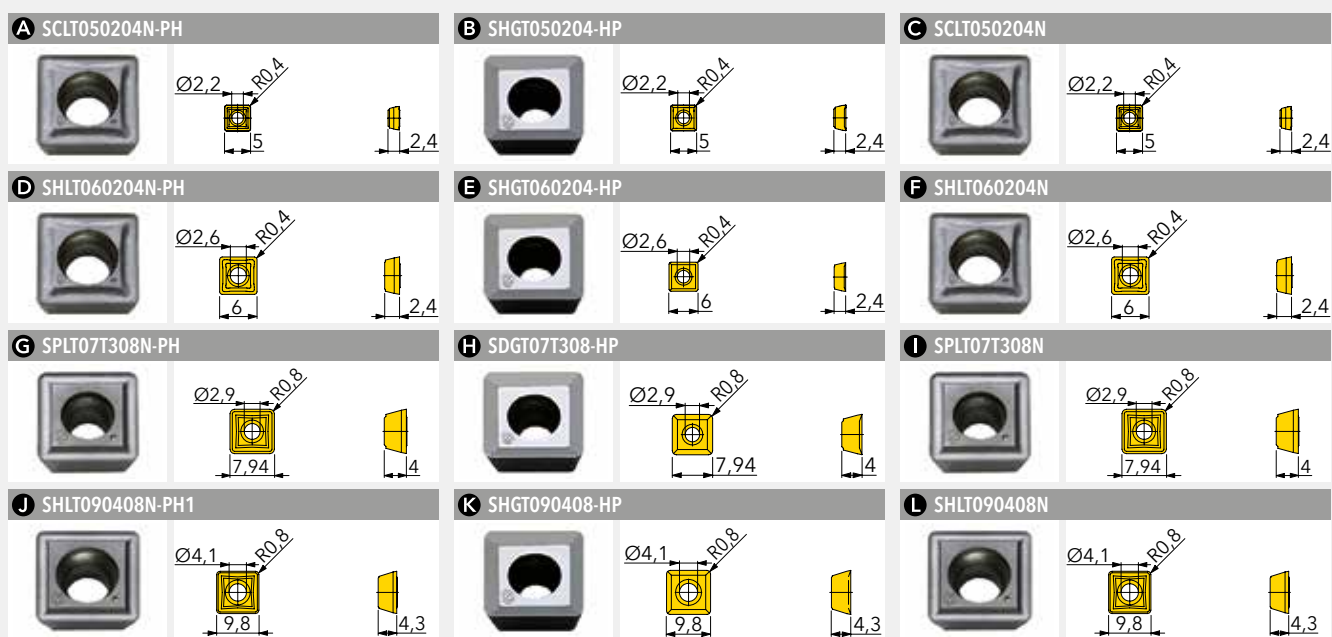
① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis



ADAPTION ACC. TO DIN 1835 E
ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff		 kg	Related Insert Plaquette préconisée
Q0130052WWR00	13	20	25	120	70	52	2	1	✓	0,17	ABC
Q0140056WWR00	14	20	25	124	74	56	2	1	✓	0,18	ABC
Q0150060WWR00	15	20	25	129	79	60	2	1	✓	0,18	ABC
Q0160064WXR00	16	25	32	140	84	64	2	1	✓	0,28	DEF
Q0170068WXR00	17	25	32	144	88	68	2	1	✓	0,32	DEF
Q0180072WXR00	18	25	32	149	93	72	2	1	✓	0,34	DEF
Q0190076WXR00	19	25	32	153	97	76	2	1	✓	0,35	DEF
Q0200080WXR00	20	25	32	159	103	80	2	1	✓	0,37	DEF
Q0210084WXR00	21	25	32	163	107	84	2	1	✓	0,39	DEF
Q0220088WXR01	22	25	32	167	111	88	2	1	✓	0,40	GHI
Q0230092WXR00	23	25	45	173	117	92	2	1	✓	0,48	GHI
Q0240096WXR00	24	25	45	178	122	96	2	1	✓	0,52	GHI
Q0250100WXR00	25	25	45	183	127	100	2	1	✓	0,54	GHI
Q0260104WXR00	26	25	45	187	131	104	2	1	✓	0,57	GHI
Q0270108WXR00	27	25	45	191	135	108	2	1	✓	0,59	GHI
Q0280112WXR00	28	25	45	196	140	112	2	1	✓	0,62	JKL
Q0290116WYR01	29	32	45	204	144	116	2	1	✓	0,80	JKL



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4 / Géométrie positive R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

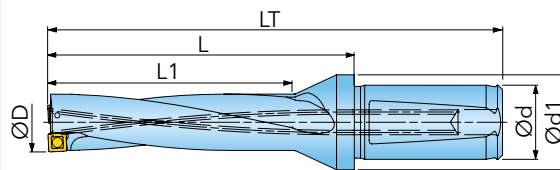


Diameter Range / Diamètres

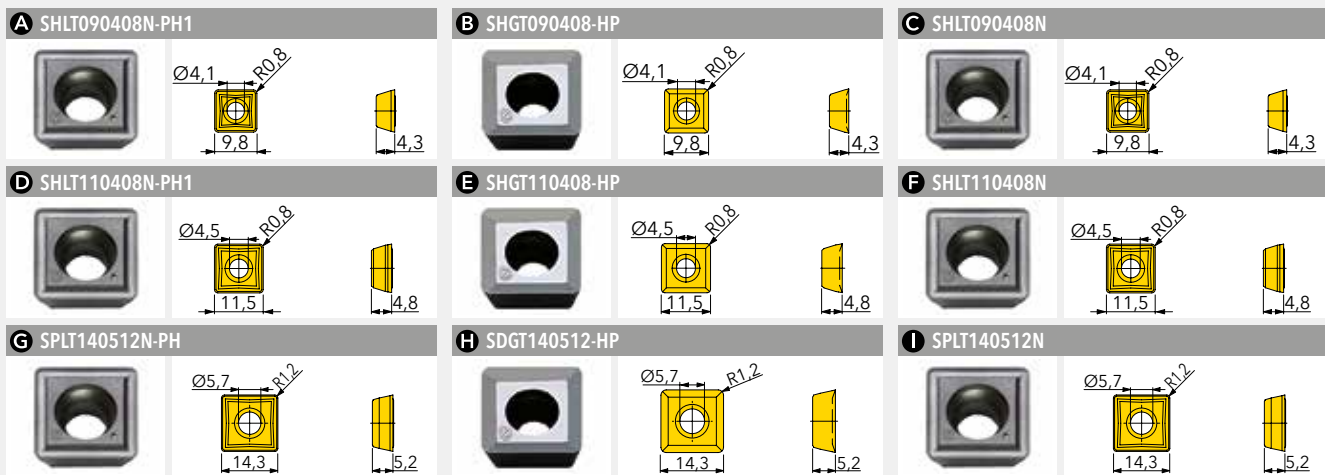
13 - 15	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)
16 - 21	SM22-052-00 (0,8Nm)	DS-T07S
22 - 27	SM25-064-00 (1,1Nm)	DS-T08S
28 - 29	SM35-088-60 (3,0Nm)	DS-T10S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

ADAPTION ACC. TO DIN 1835 E
ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	 (K)	 (kg)	Related Insert Plaquette préconisée
Q0300120WYR00	30	32	55	211	151	120	2	1	✓	0,94	ABC
Q0310124WYR00	31	32	55	216	156	124	2	1	✓	0,97	ABC
Q0320128WYR00	32	32	55	220	160	128	2	1	✓	1,04	ABC
Q0330132WYR00	33	32	55	225	165	132	2	1	✓	1,09	ABC
Q0340136WYR00	34	32	55	229	169	136	2	1	✓	1,13	DEF
Q0350140WYR00	35	32	55	234	174	140	2	1	✓	1,17	DEF
Q0360144WYR00	36	32	55	239	179	144	2	1	✓	1,23	DEF
Q0370148WYR00	37	32	55	244	184	148	2	1	✓	1,29	DEF
Q0380152WYR00	38	32	55	249	189	152	2	1	✓	1,34	DEF
Q0390156WYR00	39	32	55	253	193	156	2	1	✓	1,41	DEF
Q0400160WYR00	40	32	60	258	198	160	2	1	✓	1,50	DEF
Q0410164WZR00	41	40	60	273	203	164	2	1	✓	1,86	DEF
Q0420168WZR01	42	40	60	277	207	168	2	1	✓	1,94	GHI
Q0430172WZR01	43	40	60	282	212	172	2	1	✓	2,02	GHI
Q0440176WZR00	44	40	60	286	216	176	2	1	✓	2,10	GHI
Q0450180WZR00	45	40	60	292	222	180	2	1	✓	2,19	GHI
Q0460184WZR00	46	40	60	297	227	184	2	1	✓	2,30	GHI
Q0470188WZR00	47	40	60	301	231	188	2	1	✓	2,37	GHI
Q0480192WZR00	48	40	60	306	236	192	2	1	✓	2,47	GHI
Q0490196WZR00	49	40	60	310	240	196	2	1	✓	2,59	GHI
Q0500200WZR00	50	40	60	315	245	200	2	1	✓	2,64	GHI



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8 / Géométrie positive R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2 / Géométrie positive R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2 / Géo. pour mat. non fer., polie R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2 / Géométrie fonte R 1,2									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

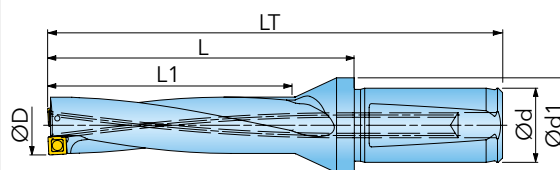


Diameter Range / Diamètres

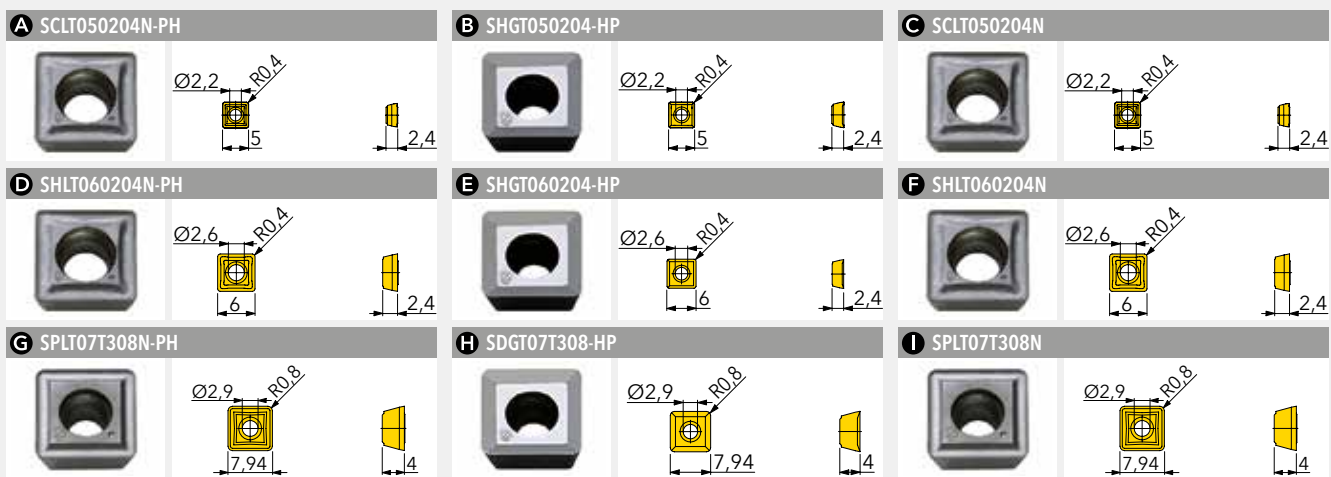
30 - 33	SM35-088-60 (3,0Nm)	DS-T10S
34 - 41	SM40-093-20 (4,5Nm)	DS-T15S
42 - 50	SM50-122-50 (7,5Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

ADAPTION ACC. TO DIN 1835 E
ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	 (K)	 (kg)	Related Insert Plaquette préconisée
Q0130065WWR00	13	20	25	133	83	65	2	1	✓	0,26	ABC
Q0140070WWR00	14	20	25	138	88	70	2	1	✓	0,28	ABC
Q0150075WWR00	15	20	25	144	94	75	2	1	✓	0,30	ABC
Q0160080WXR00	16	25	32	156	100	80	2	1	✓	0,32	DEF
Q0170085WXR00	17	25	32	161	105	85	2	1	✓	0,34	DEF
Q0180090WXR00	18	25	32	167	111	90	2	1	✓	0,36	DEF
Q0190095WXR00	19	25	32	172	116	95	2	1	✓	0,38	DEF
Q0200100WXR00	20	25	32	179	123	100	2	1	✓	0,40	DEF
Q0210105WXR00	21	25	32	184	128	105	2	1	✓	0,42	DEF
Q0220110WXR00	22	25	32	189	133	110	2	1	✓	0,44	GHI
Q0230115WXR00	23	25	45	196	140	115	2	1	✓	0,51	GHI
Q0240120WXR00	24	25	45	202	146	120	2	1	✓	0,56	GHI
Q0250125WXR00	25	25	45	208	152	125	2	1	✓	0,59	GHI
Q0260130WXR00	26	25	45	213	157	130	2	1	✓	0,62	GHI
Q0270135WXR00	27	25	45	218	162	135	2	1	✓	0,65	GHI



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4 / Géométrie positive R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



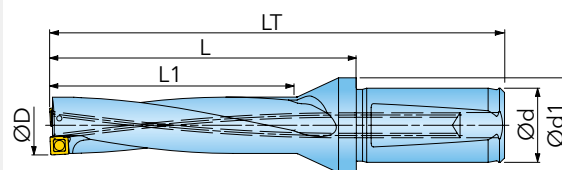
Diameter Range / Diamètres

13 - 15	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)
16 - 21	SM22-052-00 (0,8Nm)	DS-T07S
22 - 27	SM25-064-00 (1,1Nm)	DS-T08S

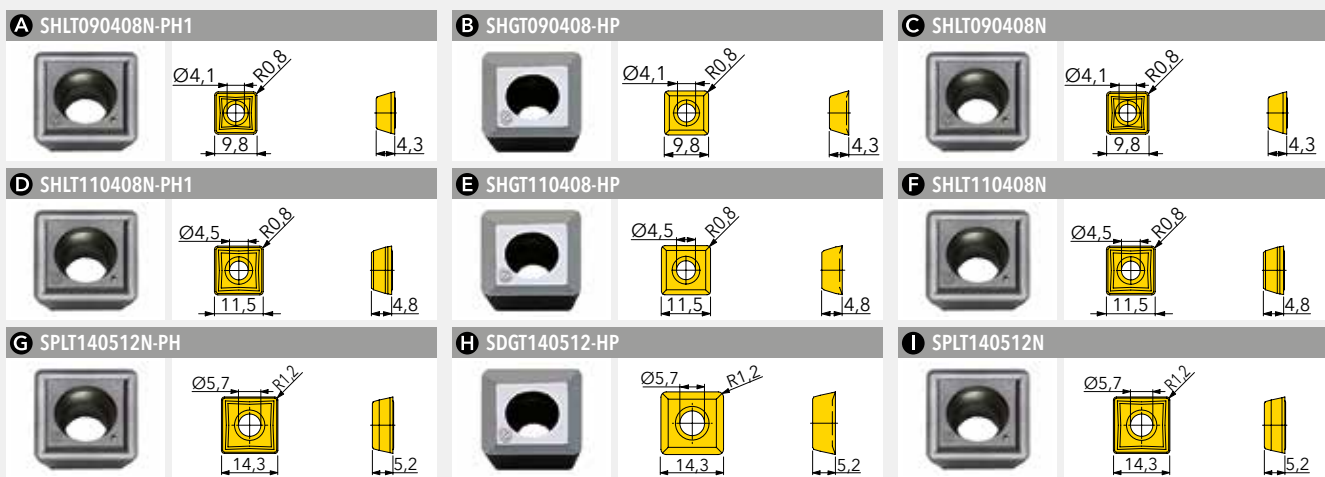
① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

QUADDRILL⁺ INDEXABLE DRILL 5D Ø28 - Ø50
FORET A PLAQUETTES 5D Ø28 - Ø50

ADAPTION ACC. TO DIN 1835 E
 ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	d	d1	LT	L	L1	Z	Zeff	 (K)	 (kg)	Related Insert Plaquette préconisée
Q0280140WXR00	28	25	45	224	168	140	2	1	✓	0,68	A B C
Q0290145WYR00	29	32	45	233	173	145	2	1	✓	0,86	A B C
Q0300150WYR00	30	32	55	241	181	150	2	1	✓	1,04	A B C
Q0310155WYR00	31	32	55	247	187	155	2	1	✓	1,08	A B C
Q0320160WYR00	32	32	55	252	192	160	2	1	✓	1,14	A B C
Q0330165WYR00	33	32	55	258	198	165	2	1	✓	1,20	A B C
Q0340170WYR00	34	32	55	263	203	170	2	1	✓	1,26	D E F
Q0350175WYR00	35	32	55	269	209	175	2	1	✓	1,29	D E F
Q0360180WYR00	36	32	55	275	215	180	2	1	✓	1,39	D E F
Q0370185WYR00	37	32	55	281	221	185	2	1	✓	1,40	D E F
Q0380190WYR00	38	32	55	287	227	190	2	1	✓	1,50	D E F
Q0390195WYR00	39	32	55	292	232	195	2	1	✓	1,56	D E F
Q0400200WYR00	40	32	60	298	238	200	2	1	✓	1,68	D E F
Q0410205WZR00	41	40	60	314	244	205	2	1	✓	2,08	D E F
Q0500250WQR00	50	50	75	377	297	250	2	1	✓	3,81	G H I



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8 / Géométrie positive R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2 / Géométrie positive R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2 / Géo. pour mat. non fer., polie R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2 / Géométrie fonte R 1,2									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



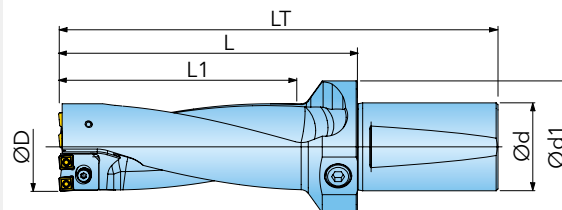
Diameter Range / Diamètres

28 - 33	SM35-088-60 (3,0Nm)	DS-T10S
34 - 41	SM40-093-20 (4,5Nm)	DS-T15S
50	SM50-122-50 (7,5Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

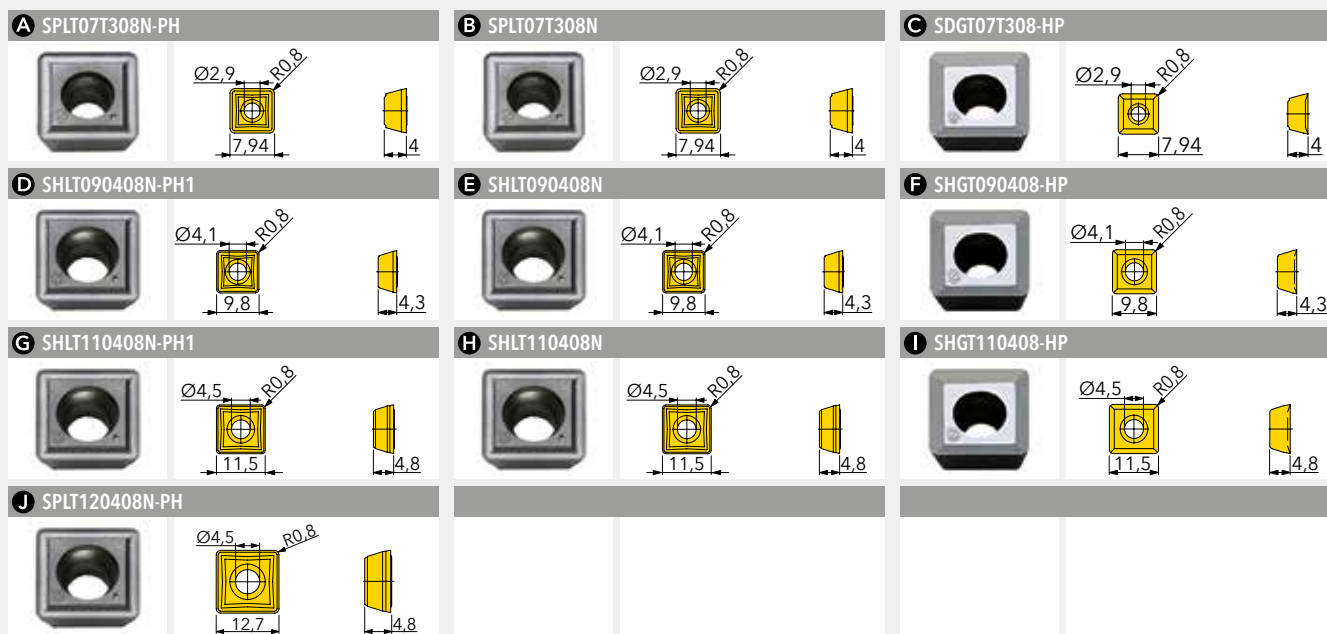
QUADDRILL⁺ CARTRIDGE INDEXABLE DRILL 2,5D Ø51 - Ø80 FORET À CARTOUCHES 2,5D Ø51 - Ø80

ADAPTION ACC. TO DIN 1835 E
ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	Z	Zeff	PA		 kg	Related Insert Plaquette préconisée
Q0510133WQR01	51	51	53	50	64	250	170	133	4	1	-	✓	2,89	A B C
Q0510133WQR01	52	51	53	50	64	250	170	133	4	1	PA-5108	✓	2,89	A B C
Q0510133WQR01	53	51	53	50	64	250	170	133	4	1	PA-5109	✓	2,89	A B C
Q0540140WQR01	54	54	56	50	64	260	180	140	4	1	-	✓	3,20	A B C
Q0540140WQR01	55	54	56	50	64	260	180	140	4	1	PA-5108	✓	3,20	A B C
Q0540140WQR01	56	54	56	50	64	260	180	140	4	1	PA-5109	✓	3,20	A B C
Q0570155WQR01	57	57	62	50	64	281	201	155	4	1	-	✓	3,51	D E F
Q0570155WQR01	58	57	62	50	64	281	201	155	4	1	PA-5110	✓	3,51	D E F
Q0570155WQR01	59	57	62	50	64	281	201	155	4	1	PA-5111	✓	3,51	D E F
Q0570155WQR01	60	57	62	50	64	281	201	155	4	1	PA-5112	✓	3,51	D E F
Q0570155WQR01	61	57	62	50	64	281	201	155	4	1	PA-5113	✓	3,51	D E F
Q0570155WQR01	62	57	62	50	64	281	201	155	4	1	PA-5114	✓	3,51	D E F
Q0630165WQR01	63	63	66	50	69	295	215	165	4	1	-	✓	4,17	D E F
Q0630165WQR01	64	63	66	50	69	295	215	165	4	1	PA-5110	✓	4,17	D E F
Q0630165WQR01	65	63	66	50	69	295	215	165	4	1	PA-5111	✓	4,17	D E F
Q0630165WQR01	66	63	66	50	69	295	215	165	4	1	PA-5112	✓	4,17	D E F
Q0670183WQR01	67	67	73	50	69	320	240	183	4	1	-	✓	4,90	G H I
Q0670183WQR01	68	67	73	50	69	320	240	183	4	1	PA-5115	✓	4,90	G H I
Q0670183WQR01	69	67	73	50	69	320	240	183	4	1	PA-5116	✓	4,90	G H I
Q0670183WQR01	70	67	73	50	69	320	240	183	4	1	PA-5117	✓	4,90	G H I
Q0670183WQR01	71	67	73	50	69	320	240	183	4	1	PA-5118	✓	4,90	G H I
Q0670183WQR01	72	67	73	50	69	320	240	183	4	1	PA-5119	✓	4,90	G H I
Q0670183WQR01	73	67	73	50	69	320	240	183	4	1	PA-5120	✓	4,90	G H I
Q0740200WQR00	74	74	80	50	74	330	250	200	4	1	-	✓	5,87	J
Q0740200WQR00	75	74	80	50	74	330	250	200	4	1	PA-5115	✓	5,87	J
Q0740200WQR00	76	74	80	50	74	330	250	200	4	1	PA-5116	✓	5,87	J
Q0740200WQR00	77	74	80	50	74	330	250	200	4	1	PA-5117	✓	5,87	J
Q0740200WQR00	78	74	80	50	74	330	250	200	4	1	PA-5118	✓	5,87	J
Q0740200WQR00	79	74	80	50	74	330	250	200	4	1	PA-5119	✓	5,87	J
Q0740200WQR00	80	74	80	50	74	330	250	200	4	1	PA-5120	✓	5,87	J

Included in delivery: body, cartridges and setting plates (PA) / La livraison inclue: corps, cartouches et cales d'ajustement (PA)



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8 / Géométrie fonte R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8 / Géométrie positive R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8 / Géométrie fonte R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SPLT120408N-PH	0,08/0,28	positive geometry R0,8 / Géométrie positive R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②	③	④	⑤	⑥
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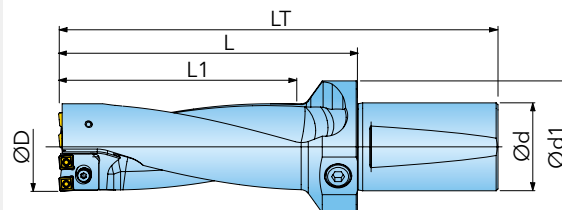
Diameter Range / Diamètres

51 - 53	55E212R01	55E192R01	SM25-064-00 (1,1Nm)	DS-T08S	SH M4X0.7X16 (3,5Nm)	MW 4.3X8
54 - 56	55E223R01	55E213R01	SM25-064-00 (1,1Nm)	DS-T08S	SH M4X0.7X16 (3,5Nm)	MW 4.3X8
57 - 62	55F243R02	55F233R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10
63 - 66	55F263R01	55F243R03	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10
67 - 73	55G294R01	55G264R01	SM40-093-20 (4,5Nm)	DS-T15S	SH M6x1.0x20	MW 6.4X12
74 - 80	55H314R00	55H294R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6x1.0x20	MW 6.4X12

① = Peripheral cartridge / Cartouche périphérique ② = Center cartridge / Cartouche central ③ = Insert screw / Vis de serrage plaquette ④ = Screw driver / Tournevis ⑤ = Clamp screw / Vis de serrage ⑥ = Shim / Assise de protection

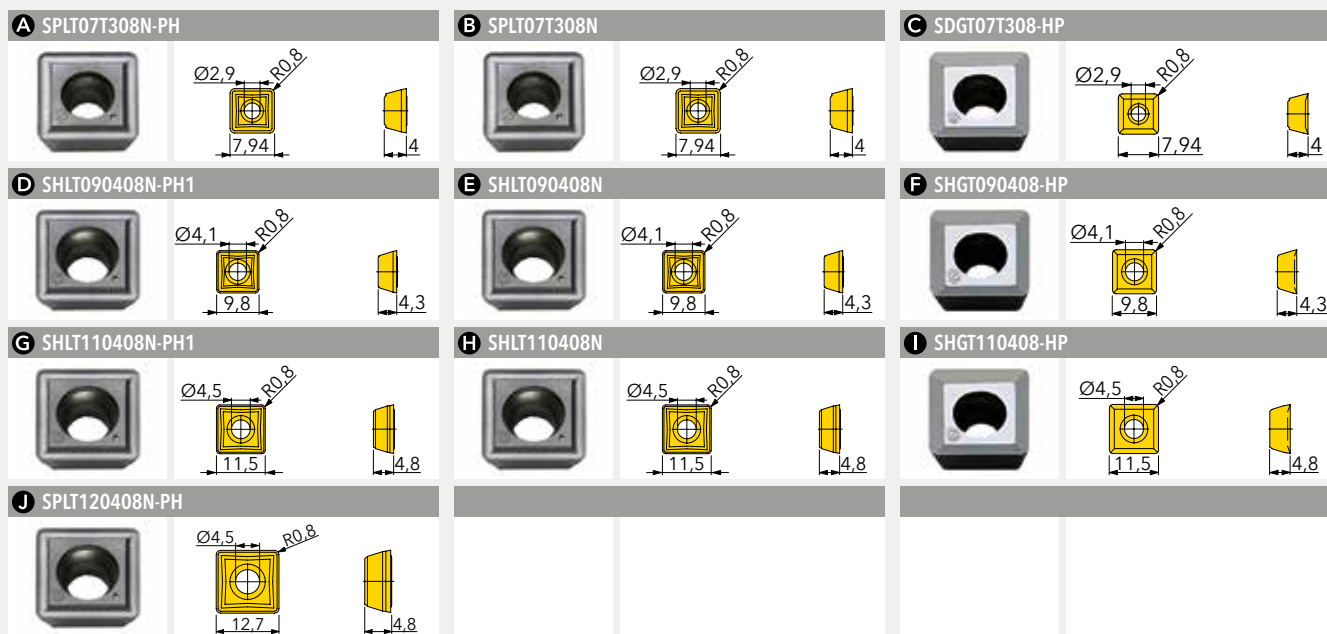
QUADDRILL⁺ CARTRIDGE INDEXABLE DRILL 3,5D Ø51 - Ø80 FORET À CARTOUCHES 3,5D Ø51 - Ø80

ADAPTION ACC. TO DIN 1835 E
ATTACHEMENT COMPATIBLE DIN 1835 E



Designation Réf. de l'article	D	D min.	D max.	d	d1	LT	L	L1	Z	Zeff	PA		 kg	Related Insert Plaquette préconisée
Q0510186WQR00	51	51	53	50	64	303	223	186	4	1	-	✓	3,66	A B C
Q0510186WQR00	52	51	53	50	64	303	223	186	4	1	PA-5108	✓	3,66	A B C
Q0510186WQR00	53	51	53	50	64	303	223	186	4	1	PA-5109	✓	3,66	A B C
Q0540196WQR00	54	54	56	50	64	316	236	196	4	1	-	✓	3,98	A B C
Q0540196WQR00	55	54	56	50	64	316	236	196	4	1	PA-5108	✓	3,98	A B C
Q0540196WQR00	56	54	56	50	64	316	236	196	4	1	PA-5109	✓	3,98	A B C
Q0570217WQR00	57	57	62	50	64	343	263	217	4	1	-	✓	4,28	D E F
Q0570217WQR00	58	57	62	50	64	343	263	217	4	1	PA-5110	✓	4,28	D E F
Q0570217WQR00	59	57	62	50	64	343	263	217	4	1	PA-5111	✓	4,28	D E F
Q0570217WQR00	60	57	62	50	64	343	263	217	4	1	PA-5112	✓	4,28	D E F
Q0570217WQR00	61	57	62	50	64	343	263	217	4	1	PA-5113	✓	4,28	D E F
Q0570217WQR00	62	57	62	50	64	343	263	217	4	1	PA-5114	✓	4,28	D E F
Q0630231WQR00	63	63	66	50	69	361	281	231	4	1	-	✓	5,60	D E F
Q0630231WQR00	64	63	66	50	69	361	281	231	4	1	PA-5110	✓	5,60	D E F
Q0630231WQR00	65	63	66	50	69	361	281	231	4	1	PA-5111	✓	5,60	D E F
Q0630231WQR00	66	63	66	50	69	361	281	231	4	1	PA-5112	✓	5,60	D E F
Q0670256WQR00	67	67	73	50	69	393	313	256	4	1	-	✓	6,40	G H I
Q0670256WQR00	68	67	73	50	69	393	313	256	4	1	PA-5115	✓	6,40	G H I
Q0670256WQR00	69	67	73	50	69	393	313	256	4	1	PA-5116	✓	6,40	G H I
Q0670256WQR00	70	67	73	50	69	393	313	256	4	1	PA-5117	✓	6,40	G H I
Q0670256WQR00	71	67	73	50	69	393	313	256	4	1	PA-5118	✓	6,40	G H I
Q0670256WQR00	72	67	73	50	69	393	313	256	4	1	PA-5119	✓	6,40	G H I
Q0670256WQR00	73	67	73	50	69	393	313	256	4	1	PA-5120	✓	6,40	G H I
Q0740280WQR00	74	74	80	50	74	410	330	280	4	1	-	✓	7,66	J
Q0740280WQR00	75	74	80	50	74	410	330	280	4	1	PA-5115	✓	7,66	J
Q0740280WQR00	76	74	80	50	74	410	330	280	4	1	PA-5116	✓	7,66	J
Q0740280WQR00	77	74	80	50	74	410	330	280	4	1	PA-5117	✓	7,66	J
Q0740280WQR00	78	74	80	50	74	410	330	280	4	1	PA-5118	✓	7,66	J
Q0740280WQR00	79	74	80	50	74	410	330	280	4	1	PA-5119	✓	7,66	J
Q0740280WQR00	80	74	80	50	74	410	330	280	4	1	PA-5120	✓	7,66	J

Included in delivery: body, cartridges and setting plates (PA) / La livraison inclue: corps, cartouches et cales d'ajustement (PA)



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8 / Géométrie fonte R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8 / Géométrie positive R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8 / Géométrie fonte R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SPLT120408N-PH	0,08/0,28	positive geometry R0,8 / Géométrie positive R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②	③	④	⑤	⑥
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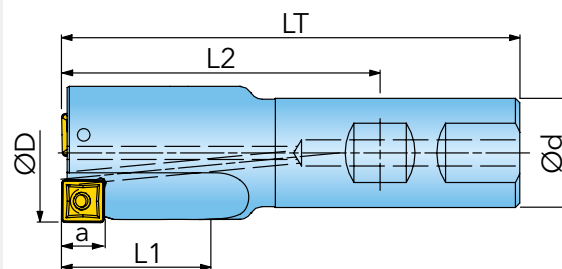
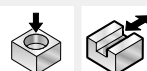
Diameter Range / Diamètres

51 - 53	55E212R01	55E192R01	SM25-064-00 (1,1Nm)	DS-T08S	SH M4X0.7X16 (3,5Nm)	MW 4.3X8
54 - 56	55E223R01	55E213R01	SM25-064-00 (1,1Nm)	DS-T08S	SH M4X0.7X16 (3,5Nm)	MW 4.3X8
57 - 62	55F243R02	55F233R01	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10
63 - 66	55F263R01	55F243R03	SM35-088-60 (3,0Nm)	DS-T10S	SH M5X0.8X16 (6,5Nm)	MW 5.5X10
67 - 73	55G294R01	55G264R01	SM40-093-20 (4,5Nm)	DS-T15S	SH M6x1.0x20	MW 6.4X12
74 - 80	55H314R00	55H294R00	SM40-093-20 (4,5Nm)	DS-T15S	SH M6x1.0x20	MW 6.4X12

① = Peripheral cartridge / Cartouche périphérique ② = Center cartridge / Cartouche central ③ = Insert screw / Vis de serrage plaquette ④ = Screw driver / Tournevis ⑤ = Clamp screw / Vis de serrage ⑥ = Shim / Assise de protection

QUADDRILL⁺ COUNTERBORING MILL 15S1...W
FRAISE À PERCER - RAINURER 15S1...W

ADAPTION ACC. TO DIN 1835 B (WELDON)
 ATTACHEMENT DIN 1835 B (WELDON)



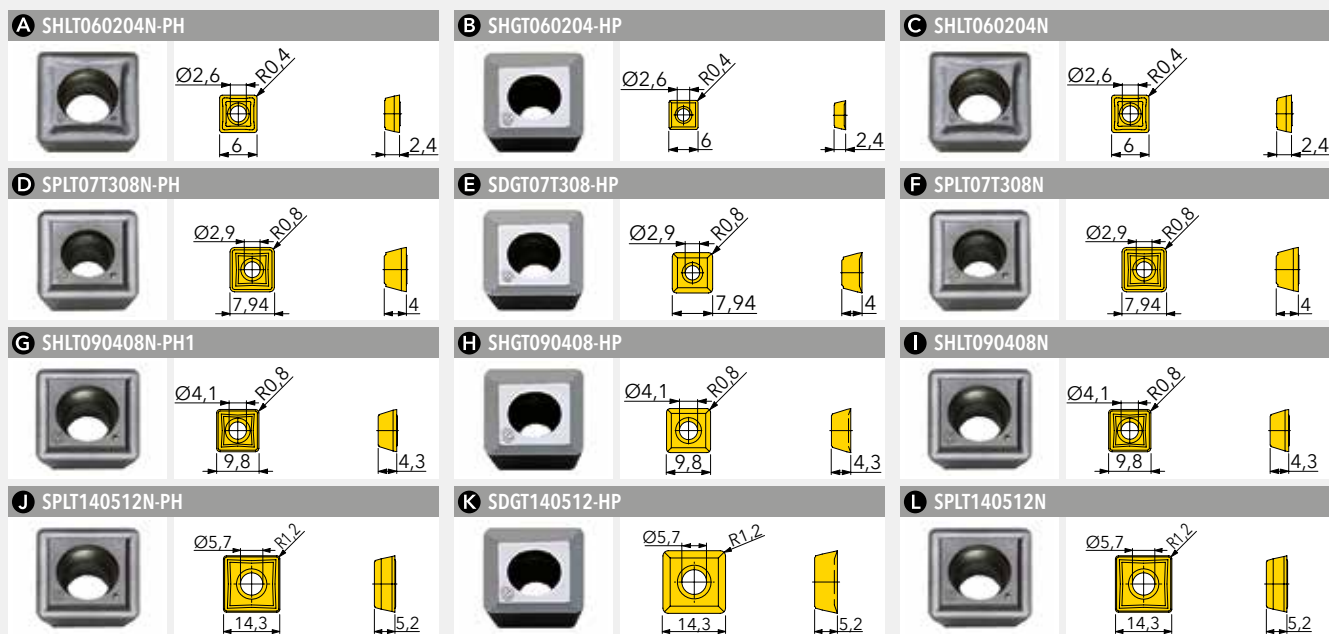
Designation
 Réf. de l'article

D d LT L1 L2 a Z Zeff



Related Insert
 Plaque recommandée

15S1D016025W4R01	16	20	75	16	50	5,4	2	1	✓	0,14	ABC
15S1D020034W4R01	20	20	85	20	60	5,4	2	1	✓	0,16	ABC
15S1E025039W5R01	25	25	95	25	63	7,0	2	1	✓	0,28	DEF
15S1F030049W5R01	30	25	105	30	73	8,9	2	1	✓	0,35	GHI
15S1F032049W5R01	32	25	105	32	73	8,9	2	1	✓	0,37	GHI
15S1J040060W6R01	40	32	120	40	84	13,0	2	1	✓	0,68	JKL



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SHLT060204N-PH	0,06/0,20	positive geometry R0,4 / Géométrie positive R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SPLT07T308N-PH	0,06/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SDGT07T308-HP	0,08/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SPLT07T308N	0,10/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2 / Géométrie positive R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2 / Géo. pour mat. non fer., polie R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2 / Géométrie fonte R 1,2									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

①



②



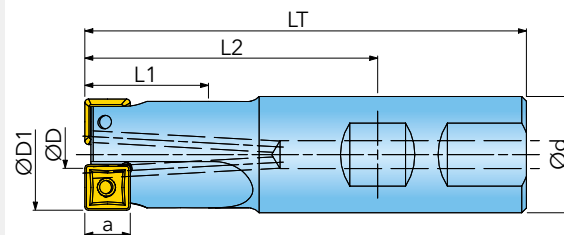
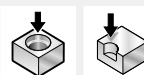
Diameter Range / Diamètres

16 - 20	SM22-052-00 (0,8Nm)	DS-T07S
25	SM25-064-00 (1,1Nm)	DS-T08S
30 - 32	SM35-088-60 (3,0Nm)	DS-T10S
40	SM50-122-50 (7,5Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

QUADDRILL⁺ COUNTERBORING END MILL 15C1...W **FRAISE À LAMER ET TREFLER 15C1...W**

ADAPTION ACC. TO DIN 1835 B (WELDON)
ATTACHEMENT DIN 1835 B (WELDON)



Designation Réf. de l'article	D	D1	d	LT	L1	L2	a	Z		 kg	Related Insert Plaquette préconisée
15C1C010025W2R01	4,5	10	12	70	10	47,5	4,5	1	✓	0,10	ABC
15C1C011025W2R01	4,5	11	12	70	11	47,5	4,5	1	✓	0,10	ABC
15C1C013027W3R01	4,5	13	16	75	13	51	4,5	2	✓	0,11	ABC
15C1D015025W4R01	4,5	15	20	75	15	50	5,4	2	✓	0,13	DEF
15C1D018025W4R01	7,5	18	20	75	18	50	5,4	2	✓	0,14	DEF
15C1D020035W4R01	9,5	20	20	85	20	60	5,4	2	✓	0,16	DEF
15C1F024039W5R01	6,5	24	25	95	24	63	7,0	2	✓	0,27	GHI
15C1G026044W5R01	5,0	26	25	100	26	68	10,5	2	✓	0,29	JKL
15C1G030049W5R01	9,0	30	25	105	30	73	10,5	2	✓	0,35	JKL
15C1G033049W5R01	12,0	33	25	105	33	73	10,5	2	✓	0,38	JKL
15C1G036050W6R01	15,0	36	32	110	36	74	10,5	3	✓	0,56	JKL
15C1J040060W6R01	14,5	40	32	120	40	84	13	3	✓	0,62	MNO
15C1J048060W7R01	22,0	48	40	130	48	90	13	3	✓	1,10	MNO

Diameter D corresponds with the minimum diameter of the through hole / D représente le diamètre minimal de l'avant trou

SPARE PARTS ACCESSOIRES



Diameter Range / Diamètres

4,5	SM20-043-00 (0,7Nm)	DS-TP06S (TX-Plus)
4,5 - 9,5	SM22-052-00 (0,8Nm)	DS-T07S
6,5	SM35-088-60 (3,0Nm)	DS-T10S
5,0 - 15,0	SM40-093-20 (4,5Nm)	DS-T15S
14,5 - 22,0	SM50-122-50 (7,5Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

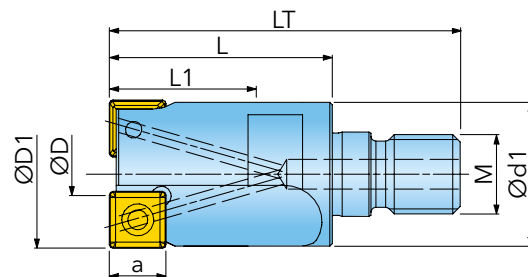
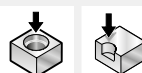


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SCLT050204N-PH	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4									
SHGT050204-HP	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SCLT050204N	0,05/0,12	cast iron geometry R0,4 / Géométrie fonte R0,4									
SHLT060204N-PH	0,06/0,20	positive geometry R0,4 / Géométrie positive R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4 / Géométrie fonte R0,4									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8 / Géométrie positive R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8 / Géométrie fonte R0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2 / Géométrie positive R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2 / Géo. pour mat. non fer., polie R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2 / Géométrie fonte R1,2									

● = P ● = M ● = K ● = N ● = S ○ = H

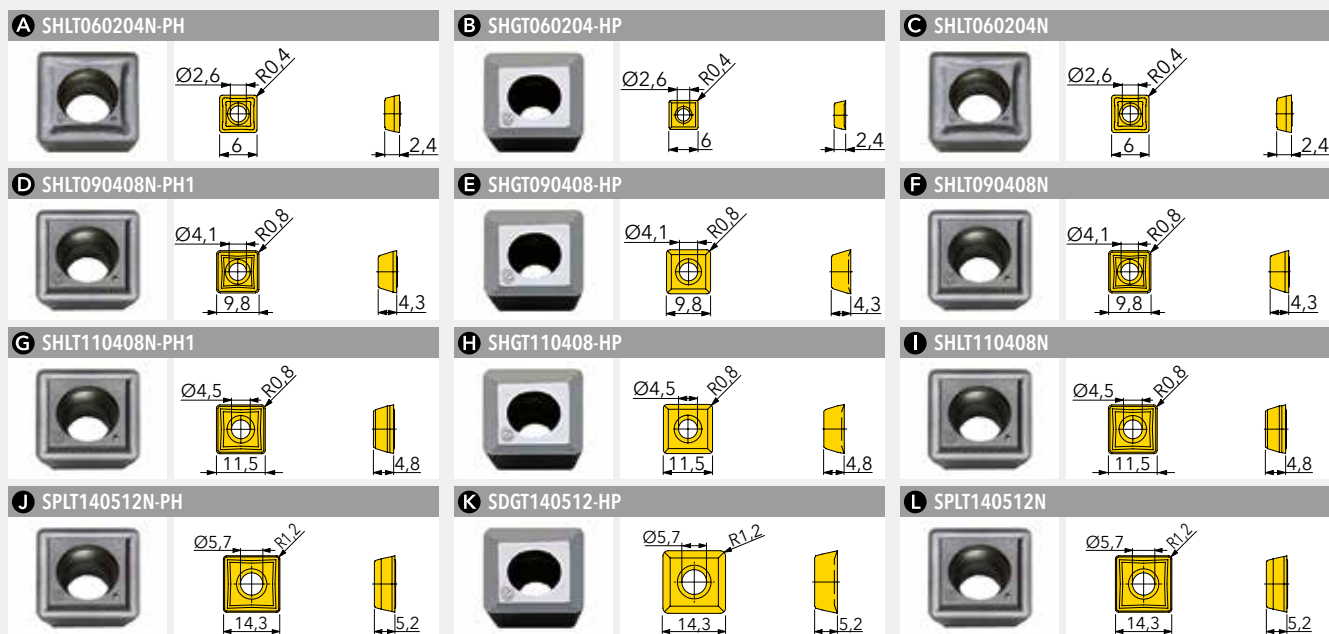
QUADDRILL⁺ COUNTERBORING END MILL 15C1...X
FRAISE À LAMER ET TREFLER 15C1...X

SCREW-IN TYPE ADAPTION
 ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	D1	d1	LT	L	L1	a	M	Z		 kg	Related Insert Plaquette préconisée
15C1D015030X5R01	4,5	15	13	47,8	30	15	4,5	M8	2	✓	0,03	ABC
15C1D018030X5R01	7,5	18	13	47,8	30	18	4,5	M8	2	✓	0,04	ABC
15C1D020035X6R01	9,5	20	18	54,8	35	20	4,5	M10	2	✓	0,06	ABC
15C1F024035X7R01	6,5	24	21	57	35	24	5,4	M12	2	✓	0,07	DEF
15C1G026040X7R01	5,0	26	21	62	40	26	7,0	M12	2	✓	0,08	GHI
15C1G030045X8R01	9,0	30	29	69	45	30	7,0	M16	2	✓	0,15	GHI
15C1G033050X8R01	12,0	33	29	74	50	33	7,0	M16	2	✓	0,20	GHI
15C1G036050X8R01	15,0	36	29	74	50	36	7,0	M16	2	✓	0,24	GHI
15C1J040060X8R01	14,5	40	29	84	60	40	10,5	M16	2	✓	0,30	JKL
15C1J048070X8R01	22,0	48	29	94	70	48	10,5	M16	2	✓	0,50	JKL

Diameter D corresponds with the minimum diameter of the through hole / D représente le diamètre minimal de l'avant trou



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2005	IN2010	IN2530				
SHLT060204N-PH	0,06/0,20	positive geometry R0,4 / Géométrie positive R0,4									
SHGT060204-HP	0,08/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
SHLT060204N	0,08/0,25	cast iron geometry R0,4 / Géométrie fonte R 0,4									
SHLT090408N-PH1	0,07/0,22	positive geometry R0,8 / Géométrie positive R0,8									
SHGT090408-HP	0,10/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT090408N	0,12/0,25	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SHLT110408N-PH1	0,08/0,23	positive geometry R0,8 / Géométrie positive R0,8									
SHGT110408-HP	0,14/0,23	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHLT110408N	0,16/0,28	cast iron geometry R0,8 / Géométrie fonte R 0,8									
SPLT140512N-PH	0,06/0,26	positive geometry R1,2 / Géométrie positive R1,2									
SDGT140512-HP	0,15/0,26	non-ferrous geometry, polished R1,2 / Géo. pour mat. non fer., polie R1,2									
SPLT140512N	0,18/0,30	cast iron geometry R1,2 / Géométrie fonte R 1,2									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



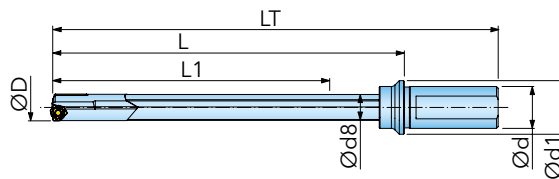
Diameter Range / Diamètres

4,5 - 9,5	SM22-052-00 (0,8Nm)	DS-T07S
6,5	SM35-088-60 (3,0Nm)	DS-T10S
5,0 - 15,0	SM40-093-20 (4,5Nm)	DS-T15S
14,5 - 22,0	SM50-122-50 (7,5Nm)	DS-T20S

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

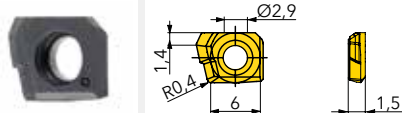
DEEPTRIO GUN DRILL GT_ 10/15/25D Ø10-11,5 FORET 3/4 GT_ 10/15/25D Ø10-11,5

ADAPTION ACC. TO DIN 1835 B
 ATTACHEMENT COMPATIBLE DIN 1835 B

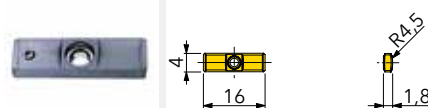


Designation Réf. de l'article	D	d	d1	d8	LT	L	L1	Z	IK	kg	Related Insert Plaquette préconisée
GT10000159JER01	10	20	25	9,5	234,5	184,5	159,3	1	✓	0,18	A B
GT10000212JER01	10	20	25	9,5	287	237	211,8	1	✓	0,22	A B
GT10000264JER01	10	20	25	9,5	339,5	289,5	264,3	1	✓	0,25	A B
GT10500167JER01	10,5	20	25	10	243	193	166,8	1	✓	0,20	A B
GT10500222JER01	10,5	20	25	10	298	248	221,8	1	✓	0,24	A B
GT10500277JER01	10,5	20	25	10	353	303	276,8	1	✓	0,27	A B
GT11000182JER01	11	20	25	10,5	259	209	181,8	1	✓	0,20	A C
GT11000242JER01	11	20	25	10,5	319	269	241,8	1	✓	0,26	A C
GT11000302JER01	11	20	25	10,5	379	329	301,8	1	✓	0,29	A C
GT11500182JER01	11,5	20	25	11	259	209	181,8	1	✓	0,22	A C
GT11500242JER01	11,5	20	25	11	319	269	241,8	1	✓	0,28	A C
GT11500302JER01	11,5	20	25	11	379	329	301,8	1	✓	0,32	A C

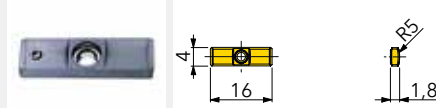
A ZPHT060204R-DT



B PAD-GP04-016-045DC



C PAD-GP04-016-050DC



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2005							
ZPHT060204R-DT	0,04/0,14	positive DT-wiper geometry R0,4 / Géométrie DT positive wiper R0,4									
PAD-GP04-016-045DC	-/-	Guide Pad / Patin de guidage									
PAD-GP04-016-050DC	-/-	Guide Pad / Patin de guidage									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



Diameter Range / Diamètres

10 - 11,5

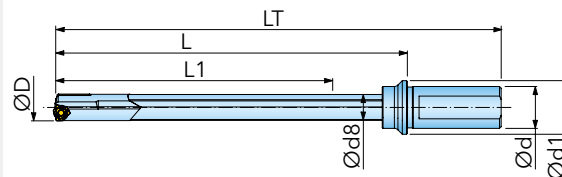
SR M2.5X0.35L3.8

CSTB2

① = Insert screw / Insert screw ② = Insert screw / Vis de serrage



ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	d8	LT	L	L1	Z	IK	kg	Related Insert Plaquette préconisée
GT12000197JER01	12	20	25	11,5	275	225	196,8	1	✓	0,28	AB
GT12000262JER01	12	20	25	11,5	340	290	261,8	1	✓	0,32	AB
GT12000327JER01	12	20	25	11,5	405	355	326,8	1	✓	0,35	AB
GT12500197JER01	12,5	20	25	12	276	226	196,8	1	✓	0,30	AB
GT12500262JER01	12,5	20	25	12	341	291	261,8	1	✓	0,35	AB
GT12500327JER01	12,5	20	25	12	406	356	326,8	1	✓	0,38	AB
GT13000212JFR01	13	25	32	12,5	301	245	211,8	1	✓	0,43	AB
GT13000282JFR01	13	25	32	12,5	371	215	281,8	1	✓	0,46	AB
GT13000352JFR01	13	25	32	12,5	441	385	351,8	1	✓	0,49	AB
GT13500212JFR01	13,5	25	32	13	301	245	211,8	1	✓	0,46	AB
GT13500282JFR01	13,5	25	32	13	371	315	281,8	1	✓	0,48	AB
GT13500352JFR01	13,5	25	32	13	441	385	351,8	1	✓	0,52	AB
GT14000225JFR01	14	25	32	13,5	317	245	227	1	✓	0,48	CDEF
GT14000300JFR01	14	25	32	13,5	392	336	302	1	✓	0,52	CDEF
GT14000375JFR01	14	25	32	13,5	467	411	375	1	✓	0,56	CDEF
GT14500225JFR01	14,5	25	32	14	318	262	227	1	✓	0,49	CDEF
GT14500300JFR01	14,5	25	32	14	393	337	302	1	✓	0,53	CDEF
GT14500375JFR01	14,5	25	32	14	468	412	377	1	✓	0,57	CDEF
GT15000240JFR01	15	25	32	14,5	334	278	242	1	✓	0,50	CDEF
GT15000320JFR01	15	25	32	14,5	414	358	322	1	✓	0,55	CDEF
GT15000400JFR01	15	25	32	14,5	494	438	402	1	✓	0,61	CDEF
GT16000160JFR02	16	25	32	15,5	265	209	172,2	1	✓	0,51	GH1J
GT16000240JFR02	16	25	32	15,5	350	294	257,2	1	✓	0,57	GH1J
GT16000400JFR02	16	25	32	15,5	520	464	427,2	1	✓	0,67	GH1J
GT16500165JFR02	16,5	25	32	15,5	265	209	172,2	1	✓	0,52	GH1J
GT16500248JFR02	16,5	25	32	15,5	350	294	257,2	1	✓	0,58	GH1J
GT16500413JFR02	16,5	25	32	15,5	520	464	427,2	1	✓	0,68	GH1J
GT17000170JFR02	17	25	32	16,2	276	220	182,2	1	✓	0,53	GH1J
GT17000255JFR02	17	25	32	16,2	366	310	272,2	1	✓	0,59	GH1J
GT17000425JFR02	17	25	32	16,2	546	490	450	1	✓	0,71	GH1J
GT17500263JFR02	17,5	25	32	16,2	366	310	272,2	1	✓	0,60	GH1J
GT17500445JFR02	17,5	25	32	16,2	546	490	452,2	1	✓	0,72	GH1J
GT18000180JFR02	18	25	32	17,2	288	232	192,2	1	✓	0,54	GH1J
GT18000270JFR02	18	25	32	17,2	383	327	287,2	1	✓	0,61	GH1J
GT18000450JFR02	18	25	32	17,2	573	517	477,2	1	✓	0,73	GH1J



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2005	IN2030	IN2040					
LPHT060204R-DT	0,06/0,16	positive DT-wiper geometry R0,4 / Géométrie DT positive wiper R0,4									
PAD-GP04-016-055DC	-/-	Guide Pad / Patin de guidage									
TPHT070304R-DT	0,06/0,12	positive wiper geometry R0,4 / Géométrie positive wiper R0,4									
TPHT070304R-ML	0,03/0,15	positive ML-wiper geometry R0,4 / Géométrie ML positive wiper R0,4									
PAD-GP05-018-060	-/-	Guide Pad / Patin de guidage									
PAD-GP05-018-060DC	-/-	Guide Pad / Patin de guidage									
TPHT080305R-DT	0,08/0,14	positive wiper geometry R0,5 / Géométrie positive wiper R0,5									
TPHT080305R-ML	0,03/0,15	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5									
PAD-GP05-018-075	-/-	Guide Pad / Patin de guidage									
PAD-GP05-018-075DC	-/-	Guide Pad / Patin de guidage									

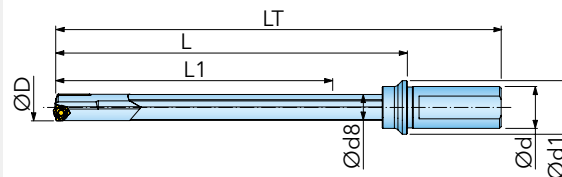
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②
Diameter Range / Diamètres		
12 - 13,5	SR10503833L040	TS 20043I/HG-P
14 - 18	SR14-560/S	SM22-046-00

① = Insert screw / Vis de serrage plaque ② = Insert screw / Vis de serrage plaque

DEEPTRIO GUN DRILL GT_ 10/15/25D Ø18,5-28
FORET 3/4 GT_ 10/15/25D Ø18,5-28

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	d8	LT	L	L1	Z	IK	kg	Related Insert Plaquette préconisée
GT18500278JFR01	18,5	25	32	17,2	383	327	288	1	✓	0,63	ABCD
GT18500463JFR01	18,5	25	32	17,2	573	517	478	1	✓	0,76	ABCD
GT19000190JFR01	19	25	32	18,2	299	243	203	1	✓	0,57	ABCD
GT19000285JFR01	19	25	32	18,2	399	343	303	1	✓	0,64	ABCD
GT19000475JFR01	19	25	32	18,2	599	543	503	1	✓	0,80	ABCD
GT19500293JFR01	19,5	25	32	18,2	399	343	303	1	✓	0,65	ABCD
GT19500488JFR01	19,5	25	32	18,2	599	543	503	1	✓	0,81	ABCD
GT20000200JGR01	20	32	40	19	315	255	213	1	✓	0,73	ABCD
GT20000300JGR01	20	32	40	19	420	360	318	1	✓	0,80	ABCD
GT20000500JGR01	20	32	40	19	630	570	528	1	✓	0,90	ABCD
GT21000315JGR01	21	32	40	20	436	376	333,2	1	✓	0,91	EFGD
GT21000525JGR01	21	32	40	20	656	596	553,2	1	✓	1,13	EFGD
GT22000330JGR01	22	32	40	21	453	393	348,4	1	✓	0,96	GHIJ
GT22000550JGR01	22	32	40	21	683	623	578,4	1	✓	1,41	GHIJ
GT23000345JGR01	23	32	40	22	469	409	363,4	1	✓	1,03	GHIJ
GT23000575JGR01	23	32	40	22	709	649	603,4	1	✓	1,54	GHIJ
GT24000360JGR01	24	32	40	23	486	426	378,4	1	✓	1,10	GHIJ
GT24000600JGR01	24	32	40	23	736	676	628,4	1	✓	1,62	GHIJ
GT25000375JGR01	25	32	40	24	502	442	393,4	1	✓	1,16	GHIJ
GT25000625JGR01	25	32	40	24	762	702	653,4	1	✓	1,76	GHIJ
GT26000390JHR01	26	40	50	25	519	449	408,4	1	✓	1,56	KLMN
GT26000650JHR01	26	40	50	25	789	729	678,7	1	✓	2,30	KLMN
GT27000405JHR01	27	40	50	26	545	475	423,7	1	✓	1,66	KLMN
GT27000675JHR01	27	40	50	26	815	755	703,7	1	✓	2,46	KLMN
GT28000420JHR01	28	40	50	27	547	477	423,7	1	✓	1,75	KLMN
GT28000700JHR01	28	40	50	27	817	757	703,7	1	✓	2,58	KLMN

SPARE PARTS
ACCESSOIRES

①



②



Diameter Range / Diamètres

18,5 - 20	SR14-560/S	SM22-046-00
21	SR34-506	SM22-046-00
22 - 25	SR14-571/S	SM22-046-00
26 - 28	SR14-506	SM22-046-00

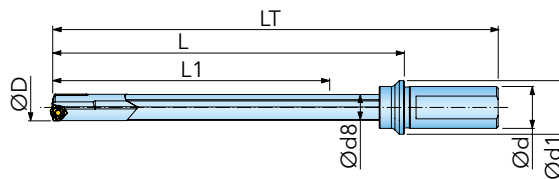
① = Insert screw / Vis de serrage plaquette ② = Insert screw / Vis de serrage plaquette



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2005	IN2030	IN2040						
TPHT090305R-DT	0,08/0,14	positive wiper geometry R0,5 / Géométrie positive wiper R0,5		●								
TPHT090305R-ML	0,03/0,18	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5		●								
PAD-GP06-020-085	-/-	Guide Pad / Patin de guidage				●						
PAD-GP06-020-085DC	-/-	Guide Pad / Patin de guidage		●	●							
TPHT100305R-DT	0,08/0,16	positive wiper geometry R0,5 / Géométrie positive wiper R0,5		●								
TPHT100305R-ML	0,03/0,18	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5		●								
TPHT110405R-DT	0,08/0,18	positive wiper geometry R0,5 / Géométrie positive wiper R0,5		●								
TPHT110405R-ML	0,03/0,18	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5		●								
PAD-GP06-020-100	-/-	Guide Pad / Patin de guidage				●						
PAD-GP06-020-100DC	-/-	Guide Pad / Patin de guidage		●	●							
TPHT120405R-DT	0,08/0,20	positive wiper geometry R0,5 / Géométrie positive wiper R0,5		●								
TPHT120405R-ML	0,03/0,18	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5		●								
PAD-GP06-020-120	-/-	Guide Pad / Patin de guidage				●						
PAD-GP06-020-120DC	-/-	Guide Pad / Patin de guidage		●	●							

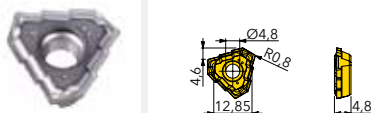
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ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B

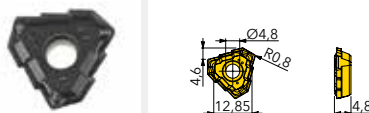


Designation Réf. de l'article	D	d	d1	d8	LT	L	L1	Z	IK	kg	Related Insert Plaquette préconisée
GT29000295JHR01	29	40	46	27	430	360	295	1	✓	2,22	A B C D
GT29000585JHR01	29	40	46	27	720	650	585	1	✓	2,65	A B C D
GT30000315JHR01	30	40	46	28	453	383	315	1	✓	2,27	A B E F
GT30000625JHR01	30	40	46	28	763	693	625	1	✓	2,70	A B E F
GT31000315JHR01	31	40	46	29	453	383	315	1	✓	2,32	A B E F
GT31000625JHR01	31	40	46	29	763	693	625	1	✓	2,75	A B E F
GT32000325JHR01	32	40	46	30	465	395	325	1	✓	2,37	A B E F
GT32000645JHR01	32	40	46	30	785	715	645	1	✓	2,80	A B E F

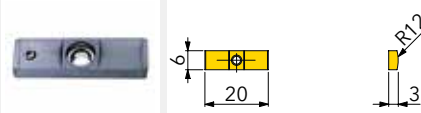
A TPHT130408R-DT



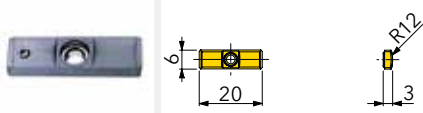
B TPHT130408R-ML



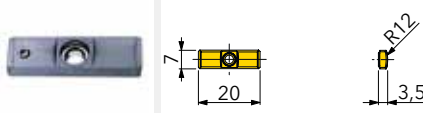
C PAD-GP06-020-120



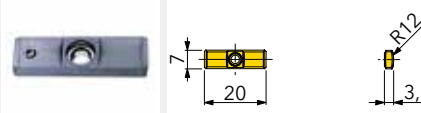
D PAD-GP06-020-120DC



E PAD-GP07-020-120



F PAD-GP07-020-120DC



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2005	IN2030	IN2040					
TPHT130408R-DT	0,08/0,22	positive wiper geometry R0,8 / Géométrie positive wiper R0,8									
TPHT130408R-ML	0,03/0,18	positive wiper geometry R0,8 / Géométrie positive wiper R0,8									
PAD-GP06-020-120	-/-	Guide Pad / Patin de guidage									
PAD-GP06-020-120DC	-/-	Guide Pad / Patin de guidage									
PAD-GP07-020-120	-/-	Guide Pad / Patin de guidage									
PAD-GP07-020-120DC	-/-	Guide Pad / Patin de guidage									

● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS
ACCESSOIRES**

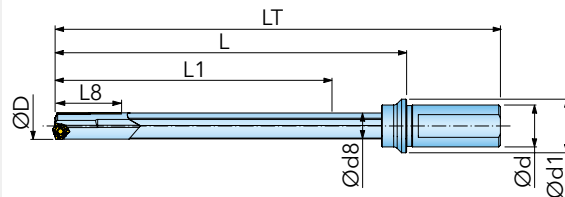


Diameter Range / Diamètres

29	SR16-212/L10	SM22-046-00
30 - 32	SR16-212/L10	CSTB35

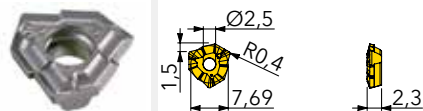
① = Insert screw / Vis de serrage plaquette ② = Insert screw / Vis de serrage plaquette

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B

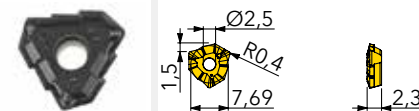


Designation Réf. de l'article	D	d	d1	LT	L	L1	L8	Z	IK	kg	Related Insert Plaquette préconisée
GTADP14000350JFR01	14	25	32	467	411	377	36	1	✓	0,56	A B C D
GTADP15000375JFR01	15	25	32	494	438	402	36	1	✓	0,61	A B C D
GTADP16000400JFR01	16	25	32	520	464	427	36	1	✓	0,67	E F G H
GTADP18000450JFR01	18	25	32	573	517	477	36	1	✓	0,73	E F G H

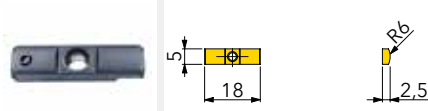
A TPHT070304R-DT



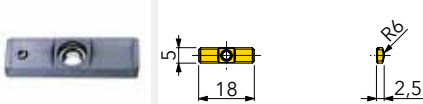
B TPHT070304R-ML



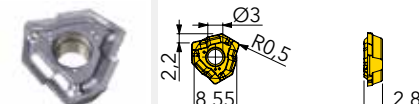
C PAD-GP05-018-060



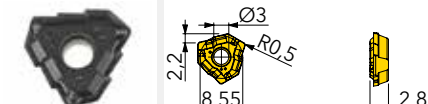
D PAD-GP05-018-060DC



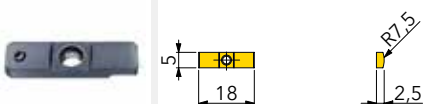
E TPHT080305R-DT



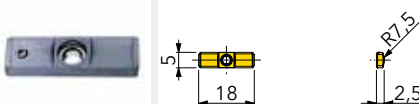
F TPHT080305R-ML



G PAD-GP05-018-075



H PAD-GP05-018-075DC



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2005	IN2030	IN2040					
TPHT070304R-DT	0,06/0,12	positive wiper geometry R0,4 / Géométrie positive wiper R0,4									
TPHT070304R-ML	0,03/0,15	positive ML-wiper geometry R0,4 / Géométrie ML positive wiper R0,4									
PAD-GP05-018-060	-/-	Guide Pad / Patin de guidage									
PAD-GP05-018-060DC	-/-	Guide Pad / Patin de guidage									
TPHT080305R-DT	0,08/0,14	positive wiper geometry R0,5 / Géométrie positive wiper R0,5									
TPHT080305R-ML	0,03/0,15	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5									
PAD-GP05-018-075	-/-	Guide Pad / Patin de guidage									
PAD-GP05-018-075DC	-/-	Guide Pad / Patin de guidage									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



Diameter Range / Diamètres

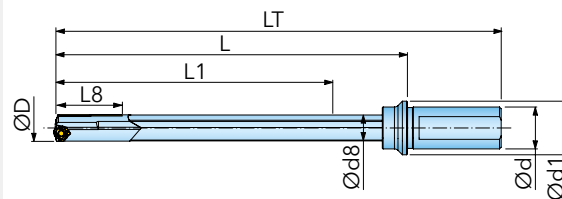
14 - 18

SR14-560/S

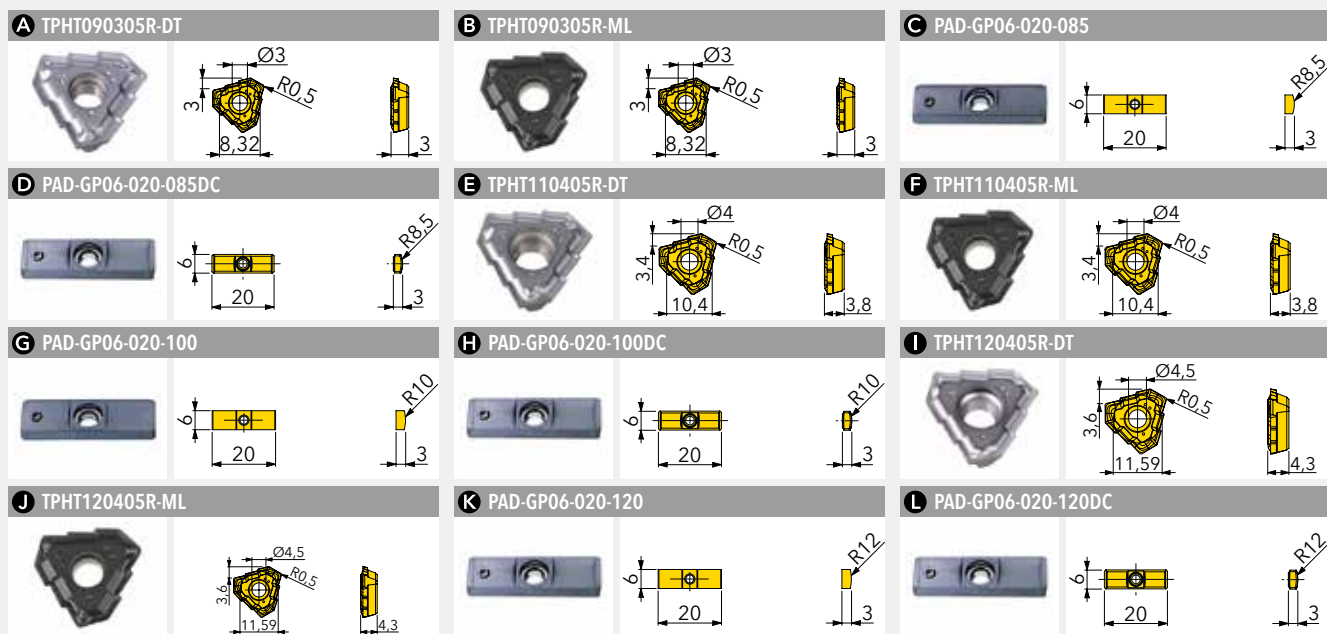
SM22-046-00

① = Insert screw / Vis de serrage plaquette ② = Insert screw / Vis de serrage plaquette

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d1	LT	L	L1	L8	Z	 K	 kg	Related Insert Plaquette préconisée
GTADP18500462JFR01	18,5	25	32	573	517	478	40	1	✓	0,76	A B C D
GTADP19000475JFR01	19	25	32	599	543	503	40	1	✓	0,80	A B C D
GTADP20000525JGR01	20	32	40	630	570	528	40	1	✓	0,90	A B C D
GTADP23000575JGR01	23	32	40	709	649	603	40	1	✓	1,54	E F G H
GTADP24000600JGR01	24	32	40	736	676	628	40	1	✓	1,62	E F G H
GTADP28000700JGR01	28	40	50	827	757	704	40	1	✓	2,58	I J K L



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2005	IN2030	IN2040					
TPHT090305R-DT	0,08/0,14	positive wiper geometry R0,5 / Géométrie positive wiper R0,5									
TPHT090305R-ML	0,03/0,18	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5									
PAD-GP06-020-085	-/-	Guide Pad / Patin de guidage									
PAD-GP06-020-085DC	-/-	Guide Pad / Patin de guidage									
TPHT110405R-DT	0,08/0,18	positive wiper geometry R0,5 / Géométrie positive wiper R0,5									
TPHT110405R-ML	0,03/0,18	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5									
PAD-GP06-020-100	-/-	Guide Pad / Patin de guidage									
PAD-GP06-020-100DC	-/-	Guide Pad / Patin de guidage									
TPHT120405R-DT	0,08/0,20	positive wiper geometry R0,5 / Géométrie positive wiper R0,5									
TPHT120405R-ML	0,03/0,18	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5									
PAD-GP06-020-120	-/-	Guide Pad / Patin de guidage									
PAD-GP06-020-120DC	-/-	Guide Pad / Patin de guidage									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

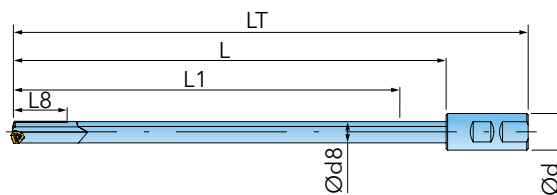


Diameter Range / Diamètres

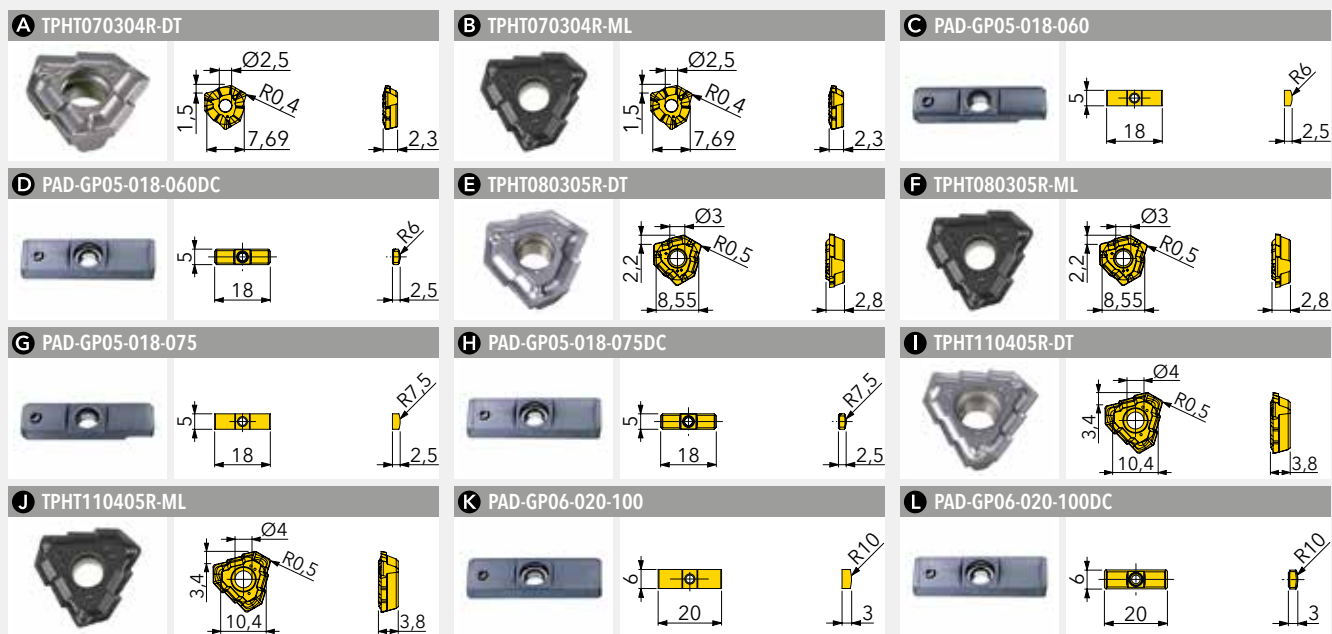
18,5 - 20	SR14-560/S	SM22-046-00
23 - 24	SR14-571/S	SM22-046-00
28	SR14-506	SM22-046-00

① = Insert screw / Vis de serrage plaquette ② = Insert screw / Vis de serrage plaquette

ADAPTION ACC. TO DIN 1835 B
ATTACHEMENT COMPATIBLE DIN 1835 B



Designation Réf. de l'article	D	d	d8	LT	L	L1	L8	Z	 K	 kg	Related Insert Plaquette préconisée
GTADP-1500-1652-W5-R01	15	25	14,5	1652	1596	1573	36	1	✓	1,74	A B C D
GTADP-1800-1652-W5-R01	18	25	17,2	1652	1596	1569	36	1	✓	1,80	E F G H
GTADP-2300-1653-W6-R01	23	32	22	1653	1593	1559	40	1	✓	3,40	I J K L
GTADP-2400-1653-W6-R01	24	32	23	1653	1593	1557	40	1	✓	3,70	I J K L



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2005	IN2030	IN2040					
TPHT070304R-DT	0,06/0,12	positive wiper geometry R0,4 / Géométrie positive wiper R0,4									
TPHT070304R-ML	0,03/0,15	positive ML-wiper geometry R0,4 / Géométrie ML positive wiper R0,4									
PAD-GP05-018-060	-/-	Guide Pad / Patin de guidage									
PAD-GP05-018-060DC	-/-	Guide Pad / Patin de guidage									
TPHT080305R-DT	0,08/0,14	positive wiper geometry R0,5 / Géométrie positive wiper R0,5									
TPHT080305R-ML	0,03/0,15	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5									
PAD-GP05-018-075	-/-	Guide Pad / Patin de guidage									
PAD-GP05-018-075DC	-/-	Guide Pad / Patin de guidage									
TPHT110405R-DT	0,08/0,18	positive wiper geometry R0,5 / Géométrie positive wiper R0,5									
TPHT110405R-ML	0,03/0,18	positive ML-wiper geometry R0,5 / Géométrie ML positive wiper R0,5									
PAD-GP06-020-100	-/-	Guide Pad / Patin de guidage									
PAD-GP06-020-100DC	-/-	Guide Pad / Patin de guidage									

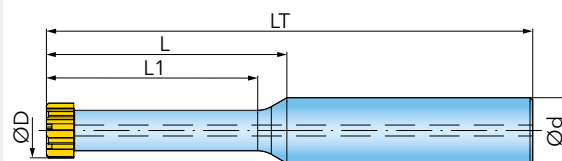
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②
Diameter Range / Diamètres		
15 - 18	SR14-560/S	SM22-046-00
23 - 24	SR14-571/S	SM22-046-00

① = Insert screw / Vis de serrage plaque ② = Insert screw / Vis de serrage plaque

QWIKREAM^S HOLDER REAMING HEAD S - 3D / 5D (RB1)
CORPS POUR ALESOIRS À EMBOUTS S - 3D / 5D (RB1)

ADAPTION ACC. TO DIN 6535 HA
 ATTACHEMENT DIN 6535 HA



Designation Réf. de l'article	D min.	D max.	d	LT	L	L1	XT	IK	kg
XS0080028T1RB1	8,000	8,999	10	81,0	3xD	28,0	XT0	✓	0,033
XS1090032T1RB1	9,000	9,999	10	85,5	3xD	31,5	XT1	✓	0,036
XS2100035T2RB1	10,000	10,999	12	89,0	3xD	35,0	XT2	✓	0,051
XS3110039T2RB1	11,000	11,999	12	92,5	3xD	38,5	XT3	✓	0,054
XS4120042T2RB1	12,000	12,999	12	96,0	3xD	42,0	XT4	✓	0,057
XS0080044T1RB1	8,000	8,999	10	97,0	5xD	44,0	XT0	✓	0,036
XS1090050T1RB1	9,000	9,999	10	103,5	5xD	49,5	XT1	✓	0,041
XS2100055T2RB1	10,000	10,999	12	109,0	5xD	55,0	XT2	✓	0,058
XS3110061T2RB1	11,000	11,999	12	114,5	5xD	60,5	XT3	✓	0,063
XS4120066T2RB1	12,000	12,999	12	120,0	5xD	66,0	XT4	✓	0,067

**SPARE PARTS
ACCESSOIRES**

①



②



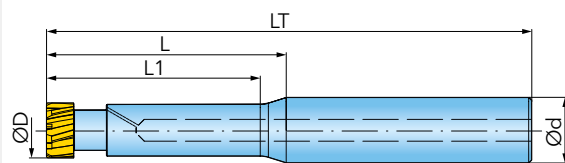
Diameter Range / Diamètres

8,000 - 9,999	W XR D08-KEY	SW6-T-SH
10,000 - 11,999	W XR D10-KEY	SW6-T-SH
12,000 - 12,999	W XR D12-KEY	SW6-T-SH

① = Bit / Embout ② = Helve / Manche

QWIKREAM^S HOLDER REAMING HEAD S - 3D / 5D (RT1)
CORPS POUR ALESOIRS À EMBOUTS S - 3D / 5D (RT1)

ADAPTION ACC. TO DIN 6535 HA
 ATTACHEMENT DIN 6535 HA



Designation Réf. de l'article	D min.	D max.	d	LT	L	L1	XT	IK	kg
XS0080028T1RT1	8,000	8,999	10	81,0	3xD	28,5	XT0	✓	0,033
XS1090032T1RT1	9,000	9,999	10	85,5	3xD	31,5	XT1	✓	0,035
XS2100035T2RT1	10,000	10,999	12	89,0	3xD	35,0	XT2	✓	0,053
XS3110039T2RT1	11,000	11,999	12	92,5	3xD	38,5	XT3	✓	0,058
XS4120042T2RT1	12,000	12,999	12	95,0	3xD	42,0	XT4	✓	0,065
XS0080044T1RT1	8,000	8,999	10	97,0	5xD	44,0	XT0	✓	0,037
XS1090050T1RT1	9,000	9,999	10	103,5	5xD	49,5	XT1	✓	0,042
XS2100055T2RT1	10,000	10,999	12	109,0	5xD	55,0	XT2	✓	0,062
XS3110061T2RT1	11,000	11,999	12	114,5	5xD	60,5	XT3	✓	0,071
XS4120066T2RT1	12,000	12,999	12	120,0	5xD	66,0	XT4	✓	0,082

**SPARE PARTS
ACCESSOIRES**



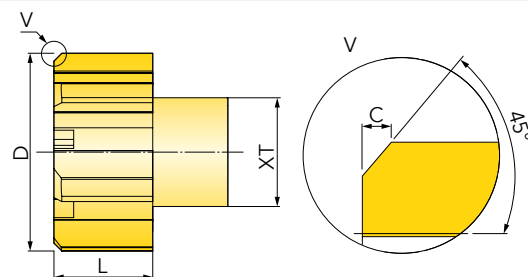
Diameter Range / Diamètres

8,000 - 9,999	WXR D08-KEY	SW6-T-SH
10,000 - 11,999	WXR D10-KEY	SW6-T-SH
12,000 - 12,999	WXR D12-KEY	SW6-T-SH

① = Bit / Embout ② = Helve / Manche

QWIKREAM[®] REAMING HEAD XSA Ø 8,0 - 12,0 MM **TÊTE D'ALÉSAGE À GOUJURE DROITE XSA_ POUR TROUS BORGNES**

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TÊTES INTERCHANGEABLES



Grade / Nuance	P	M	K	N _(K)	S _(M)	H _(PK)
IN2005	+	+	+		+	

+ Preferred choice / Premier choix ○ Second choice / Second choix

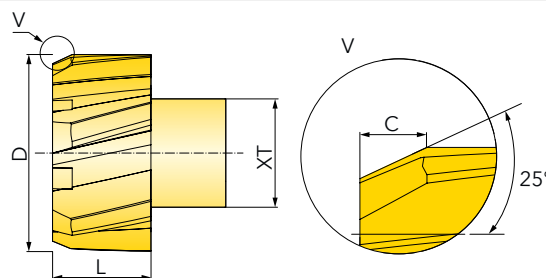
Designation Réf. de l'article	D	LT	L	C	Z	XT	kg	①
XSA08000R71	8,000	7,5	4,0	0,5	6	XT0	0,003	W XR D08-KEY
XSA09000R71	9,000	8,2	4,5	0,5	6	XT1	0,004	W XR D08-KEY
XSA10000R71	10,000	8,8	5,0	0,5	6	XT2	0,005	W XR D10-KEY
XSA11000R71	11,000	9,7	5,5	0,5	6	XT3	0,007	W XR D10-KEY
XSA12000R72	12,000	10,5	6,0	0,5	6	XT4	0,008	W XR D12-KEY

Listed heads are designed for H7 bores. Intermediate dimensions on request! / Les têtes répertoriées sont prévues pour des alésages H7. Dimensions intermédiaires sur demande!

① = Bit / Embout

QWIKREAM[®] REAMING HEAD XLB Ø 8,0 - 12,0 MM **TÊTE D'ALÉSAGE À GOUJURE HÉLICOÏDALE XLB_ POUR TROUS DÉBOUCHANTS**

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TÊTES INTERCHANGEABLES



Grade / Nuance	P	M	K	N _(K)	S _(M)	H _(PK)
IN2005	+	+	+		+	

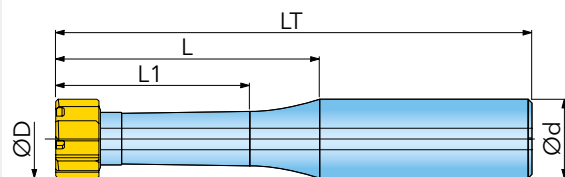
+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	LT	L	C	Z	XT	kg	①
XLB08000R71	8,000	7,5	4,0	1,07	6	XT0	0,003	W XR D08-KEY
XLB09000R71	9,000	8,2	4,5	1,07	6	XT1	0,004	W XR D08-KEY
XLB10000R71	10,000	8,8	5,0	1,07	6	XT2	0,005	W XR D10-KEY
XLB11000R71	11,000	9,7	5,5	1,07	6	XT3	0,007	W XR D10-KEY
XLB12000R72	12,000	10,5	6,0	1,07	6	XT4	0,008	W XR D12-KEY

Listed heads are designed for H7 bores. Intermediate dimensions on request! / Les têtes répertoriées sont prévues pour des alésages H7. Dimensions intermédiaires sur demande!

① = Bit / Embout

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Designation Réf. de l'article	D min.	D max.	d	LT	L	L1	XT	IK	kg
XS5115030T3R01	11.501	13,5	16	77,8	29,8	1,5xD	XT5	✓	0,105
XS5115050T3R01	11.501	13,5	16	97,8	49,8	3xD	XT5	✓	0,120
XS5115077T3R01	11.501	13,5	16	125	77	5xD	XT5	✓	0,160
XS5115117T3R01	11.501	13,5	16	165,5	117,5	8xD	XT5	✓	0,210
XS6135034T3R01	13.501	16	16	81,5	33,5	1,5xD	XT6	✓	0,115
XS6135057T3R01	13.501	16	16	105,4	57,4	3xD	XT6	✓	0,140
XS6135089T3R01	13.501	16	16	137,4	89,4	5xD	XT6	✓	0,170
XS6135137T3R01	13.501	16	16	185,4	137,4	8xD	XT6	✓	0,220
XS7160041T4R01	16.001	20	20	90,7	40,7	1,5xD	XT7	✓	0,180
XS7160070T4R01	16.001	20	20	120,6	70,6	3xD	XT7	✓	0,220
XS7160110T4R01	16.001	20	20	160,6	110,6	5xD	XT7	✓	0,265
XS7160171T4R01	16.001	20	20	220,6	170,6	8xD	XT7	✓	0,330
XS8200051T4R01	20.001	25,4	20	101,0	51,0	1,5xD	XT8	✓	0,225
XS8200088T4R01	20.001	25,4	20	137,8	87,8	3xD	XT8	✓	0,270
XS8200138T4R01	20.001	25,4	20	187,8	137,8	5xD	XT8	✓	0,380
XS8200213T4R01	20.001	25,4	20	262,8	212,8	8xD	XT8	✓	0,490
XS9254061U7R01	25.401	32	32	120,9	60,9	1,5xD	XT9	✓	0,535
XS9250107U7R01	25.401	32	32	167,1	107,1	3xD	XT9	✓	0,650
XS9250171U7R01	25.401	32	32	231,1	171,1	5xD	XT9	✓	0,810
XS9250267U7R01	25.401	32	32	327,1	267,1	8xD	XT9	✓	1,150

SPARE PARTS
ACCESSOIRES

①



②



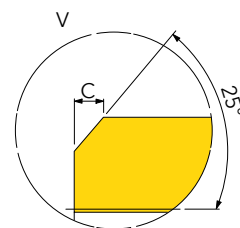
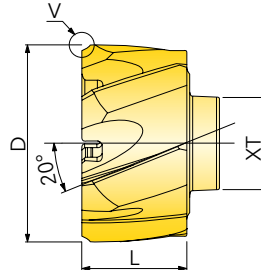
Diameter Range / Diamètres

11.501 - 13,5	TM-B5-KEY	TM-B5-SCR
13.501 - 16	TM-B6-KEY	TM-B6-SCR
16.001 - 20	TM-B7-KEY	TM-B7-SCR
20.001 - 25,4	TM-B8-KEY	TM-B8-SCR
25.401 - 32	TM-B9-KEY	TM-B9-SCR

① = Wrench / Clé de serrage ② = Insert screw

QWIKREAM REAMING HEAD XLB_ TÊTE D'ALÉSAGE À GOÛJURE HÉLICOÏDALE XLB_ POUR TROUS DÉBOUCHANTS

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TÊTES INTERCHANGEABLES



Grade / Nuance

IN2005

P M K N_(S) S_(M) H_(PK)
+ + + +

+ Preferred choice / Premier choix O Second choice / Second choix

Designation
Réf. de l'article

D LT L C Z XT

kg

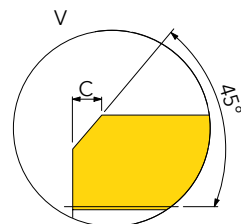
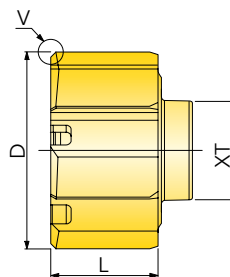
①



XLB11501R71	11,501	12	9,3	1,07	6	XT5	0,009	TM-B5-KEY
XLB12000R71	12,000	12	9,3	1,07	6	XT5	0,009	TM-B5-KEY
XLB13000R71	13,000	12	9,3	1,07	6	XT5	0,012	TM-B5-KEY
XLB13500R71	13,500	12	9,3	1,07	6	XT5	0,011	TM-B5-KEY
XLB13501R71	13,501	12,5	9,4	1,07	6	XT6	0,012	TM-B6-KEY
XLB14000R71	14,000	12,5	9,4	1,07	6	XT6	0,012	TM-B6-KEY
XLB15000R71	15,000	12,5	9,4	1,07	6	XT6	0,015	TM-B6-KEY
XLB16000R71	16,000	12,5	9,4	1,07	6	XT6	0,019	TM-B6-KEY
XLB16001R71	16,001	13,8	10,6	1,07	6	XT7	0,012	TM-B7-KEY
XLB17000R71	17,000	13,8	10,6	1,07	6	XT7	0,021	TM-B7-KEY
XLB18000R71	18,000	13,8	10,6	1,07	6	XT7	0,025	TM-B7-KEY
XLB19000R71	19,000	13,8	10,6	1,07	6	XT7	0,029	TM-B7-KEY
XLB20000R71	20,000	13,8	10,6	1,07	6	XT7	0,033	TM-B7-KEY
XLB20001R71	20,001	15,9	12,8	1,07	8	XT8	0,037	TM-B8-KEY
XLB21000R71	21,000	15,9	12,8	1,07	8	XT8	0,039	TM-B8-KEY
XLB22000R71	22,000	15,9	12,8	1,07	8	XT8	0,044	TM-B8-KEY
XLB23000R71	23,000	15,9	12,8	1,07	8	XT8	0,018	TM-B8-KEY
XLB24000R71	24,000	15,9	12,8	1,07	8	XT8	0,054	TM-B8-KEY
XLB25000R71	25,000	15,9	12,8	1,07	8	XT8	0,059	TM-B8-KEY
XLB26000R71	26,000	16,4	12,8	1,07	8	XT9	0,063	TM-B9-KEY
XLB27000R71	27,000	16,4	12,8	1,07	8	XT9	0,069	TM-B9-KEY
XLB28000R71	28,000	16,4	12,8	1,07	8	XT9	0,076	TM-B9-KEY
XLB29000R71	29,000	16,4	12,8	1,07	8	XT9	0,082	TM-B9-KEY
XLB30000R71	30,000	16,4	12,8	1,07	8	XT9	0,087	TM-B9-KEY
XLB31000R71	31,000	16,4	12,8	1,07	8	XT9	0,094	TM-B9-KEY
XLB32000R71	32,000	16,4	12,8	1,07	8	XT9	0,103	TM-B9-KEY

① = Wrench / Clé de serrage

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TÊTES INTERCHANGEABLES



Grade / Nuance

IN2005

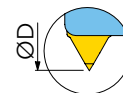
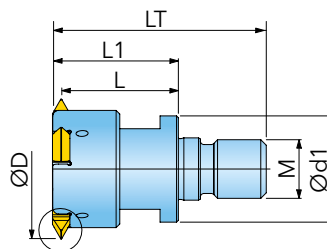
P	M	K	N _(K)	S _(M)	H _(PK)
+	+	+		+	

+ Preferred choice / Premier choix O Second choice / Second choix

Designation Réf. de l'article	D	LT	L	C	Z	XT	kg	①
XSA11501R71	11,501	12	9,3	0,5	6	XT5	0,009	TM-B5-KEY
XSA12000R71	12,000	12	9,3	0,5	6	XT5	0,009	TM-B5-KEY
XSA13000R71	13,000	12	9,3	0,5	6	XT5	0,011	TM-B5-KEY
XSA13500R71	13,500	12	9,3	0,5	6	XT5	0,012	TM-B5-KEY
XSA13501R71	13,501	12,5	9,4	0,5	6	XT6	0,016	TM-B6-KEY
XSA14000R71	14,000	12,5	9,4	0,5	6	XT6	0,013	TM-B6-KEY
XSA15000R71	15,000	12,5	9,4	0,5	6	XT6	0,015	TM-B6-KEY
XSA16000R71	16,000	12,5	9,4	0,5	6	XT6	0,017	TM-B6-KEY
XSA16001R71	16,001	13,8	10,6	0,5	6	XT7	0,018	TM-B7-KEY
XSA17000R71	17,000	13,8	10,6	0,5	6	XT7	0,034	TM-B7-KEY
XSA18000R71	18,000	13,8	10,6	0,5	6	XT7	0,024	TM-B7-KEY
XSA19000R71	19,000	13,8	10,6	0,5	6	XT7	0,010	TM-B7-KEY
XSA20000R71	20,000	13,8	10,6	0,5	6	XT7	0,033	TM-B7-KEY
XSA20001R71	20,001	15,9	12,8	0,5	8	XT8	0,036	TM-B8-KEY
XSA21000R71	21,000	15,9	12,8	0,5	8	XT8	0,051	TM-B8-KEY
XSA22000R71	22,000	15,9	12,8	0,5	8	XT8	0,043	TM-B8-KEY
XSA23000R71	23,000	15,9	12,8	0,5	8	XT8	0,046	TM-B8-KEY
XSA24000R71	24,000	15,9	12,8	0,5	8	XT8	0,052	TM-B8-KEY
XSA25000R71	25,000	15,9	12,8	0,5	8	XT8	0,059	TM-B8-KEY
XSA26000R71	26,000	16,4	12,8	0,5	8	XT9	0,062	TM-B9-KEY
XSA27000R71	27,000	16,4	12,8	0,5	8	XT9	0,068	TM-B9-KEY
XSA28000R71	28,000	16,4	12,8	0,5	8	XT9	0,073	TM-B9-KEY
XSA29000R71	29,000	16,4	12,8	0,5	8	XT9	0,080	TM-B9-KEY
XSA30000R71	30,000	16,4	12,8	0,5	8	XT9	0,093	TM-B9-KEY
XSA31000R71	31,000	16,4	12,8	0,5	8	XT9	0,082	TM-B9-KEY
XSA32000R71	32,000	16,4	12,8	0,5	8	XT9	0,101	TM-B9-KEY

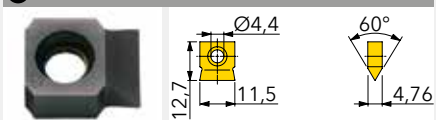
① = Wrench / Clé de serrage

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

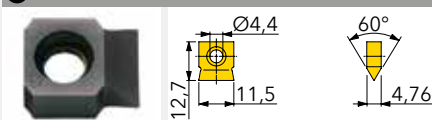


Designation Réf. de l'article	D	d	LT	L	L1	M	Std. pitch	Z	Insert	IK	kg	Related Insert Plaquette préconisée
17Y1B038050X8R00	38	29	58,381	32	34,3	M16	43-51	3	XNL323	✓	0,19	A B
17Y1B041055X8R00	41	29	58,381	32	34,3	M16	52-63	4	XNL323	✓	0,20	C D
17Y1E051064X8R00	51	29	69,175	42	45,1	M16	64-76	4	XNL434	✓	0,31	E F

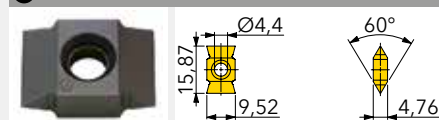
A XNL323-100



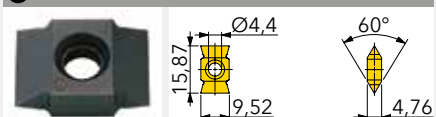
B XNL323-101



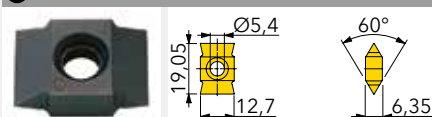
C XNL323-102



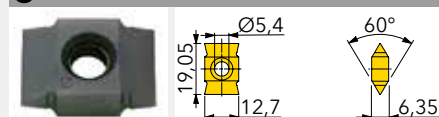
D XNL323-103



E XNL434-100



F XNL434-101



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN0545							
XNL323-100	0,05/0,10	for pitch 1,5-2,5 / pour des pas de 1,5 à 2,5 mm									
XNL323-101	0,05/0,10	for pitch 2-5 / pour des pas de 2 à 5 mm									
XNL323-102	0,05/0,20	for pitch 1,5-2,5 / pour des pas de 1,5 à 2,5 mm									
XNL323-103	0,05/0,20	for pitch 2-5 / pour des pas de 2 à 5 mm									
XNL434-100	0,08/0,25	for pitch 1,5-3,2 / pour des pas de 1,5 à 3,2 mm									
XNL434-101	0,08/0,25	for pitch 3-6,5 / pour des pas de 3,0 à 6,5 mm									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

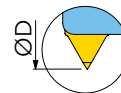
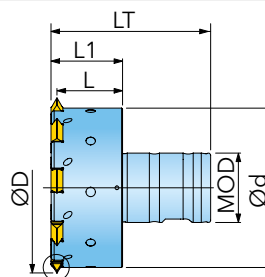


Insert Type / Plaquette

XNL323	SM40-090-00 (4,5Nm)	DS-T15S
XNL434	SM50-160-00 (6,0Nm)	DS-T15S

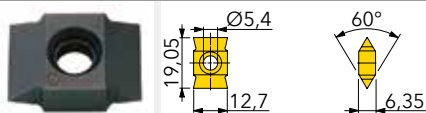
① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

MODULAR MILLING ADAPTOR INNOFIT
ATTACHEMENT MODULAIRE INNOFIT

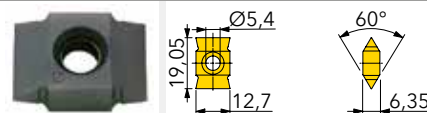


Designation Réf. de l'article	D	d	LT	L	L1	MOD	Std. pitch	Z	Insert	IK	kg	Related Insert Plaquette préconisée
17Y1E060064Z4R00	60	50	73,175	35	38,1	MOD 40	77-95	5	XNL434	✓	1,10	A B
17Y1E080064Z4R00	80	69	73,175	35	38,1	MOD 40	96-115	8	XNL434	✓	0,62	A B
17Y1E096064Z5R00	96	85	85,175	35	38,1	MOD 50	116-141	9	XNL434	✓	1,80	A B
17Y1L112010Z5R00	112	95,5	96,763	45	49,7	MOD 50	142-	11	XNL446	✓	2,70	C D

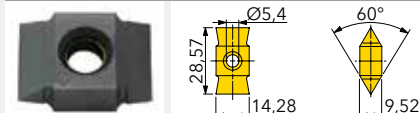
A XNL434-100



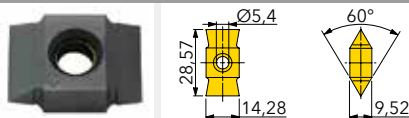
B XNL434-101



C XNL446-100



D XNL446-101



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN0545							
XNL434-100	0,08/0,25	for pitch 1,5-3,2 / pour des pas de 1,5 à 3,2 mm									
XNL434-101	0,08/0,25	for pitch 3-6,5 / pour des pas de 3,0 à 6,5 mm									
XNL446-100	0,10/0,30	for pitch 4-6,5 / pour des pas de 4 à 6,5 mm									
XNL446-101	0,10/0,30	for pitch 6-10 / pour des pas de 6 à 10 mm									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

①



②



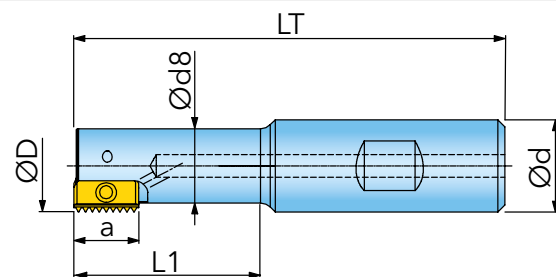
Insert Type / Plaquette

XNL434	SM50-160-00 (6,0Nm)	DS-T155
XNL446	SM50-190-00 (6,0Nm)	DS-T155

① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

RAPIDTHREAD THREADING END MILL (A=14MM) FRAISE A FILETER (A=14MM)

ADAPTION ACC. TO DIN 1835 B (WELDON)
 ATTACHEMENT DIN 1835 B (WELDON)



Designation Réf. de l'article	D	d	d8	LT	L1	a	Z	IK	kg
MTED12.2-1-W20-14	12	20	8,9	75	20	14	1	✓	0,135
MTED14.5-1-W20-14	14,5	20	11,2	85	25	14	1	✓	0,160
MTED17.0-1-W20-14	17	20	13,4	85	30	14	1	✓	0,160
MTED20.0-2-W20-14	20	20	16	93	41	14	2	✓	0,180

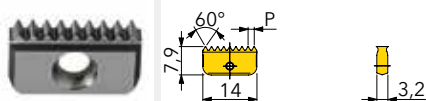
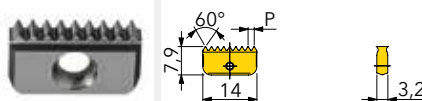
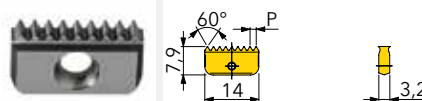
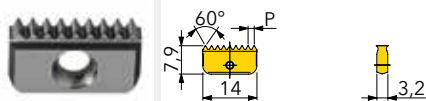
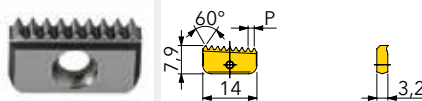
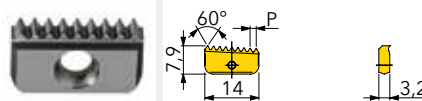
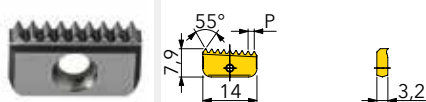
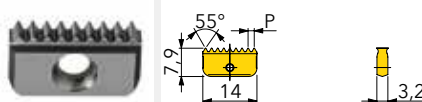
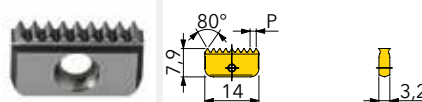
SPARE PARTS
 ACCESSOIRES



IS14 (1,3Nm)

IK14

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)****I PG-threading (internal & external) / PG-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)			
LYEU14050IS-1	0,5	A	
LYEU14075IS-1	0,75	A	
LYEU14100IS-1	1	A	
LYEU14125IS-1	1,25	A	
LYEU14150IS-1	1,5	A	
LYEU14175IS-1	1,75	A	
LYEU14200IS-1	2	A	
LYEU14250IS-1	2,5	A	
ISO-threading (external) / ISO-filetage (externe)			
LYEU14075IS-X-1	0,75	B	
LYEU14100IS-X-1	1	B	
LYEU14125IS-X-1	1,25	B	
LYEU14150IS-X-1	1,5	B	
LYEU14175IS-X-1	1,75	B	
LYEU14200IS-X-1	2	B	
LYEU14250IS-X-1	2,5	B	
UN-threading (internal) / UN-filetage (interne)			
LYEU14320UN-1	32	C	
LYEU14280UN-1	28	C	
LYEU14270UN-1	27	C	
LYEU14240UN-1	24	C	
LYEU14200UN-1	20	C	
LYEU14180UN-1	18	C	
LYEU14160UN-1	16	C	
LYEU14140UN-1	14	C	
LYEU14120UN-1	12	C	

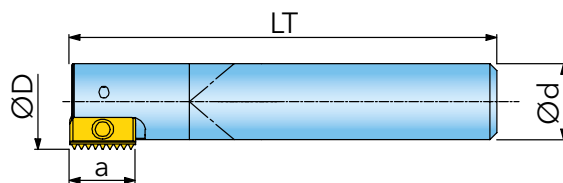
Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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LYEU14100UN-1	10	C	
UN-threading (external) / UN-filetage (externe)			
LYEU14320UN-X-1	32	D	
LYEU14280UN-X-1	28	D	
LYEU14240UN-X-1	24	D	
LYEU14200UN-X-1	20	D	
LYEU14180UN-X-1	18	D	
LYEU14160UN-X-1	16	D	
LYEU14140UN-X-1	14	D	
LYEU14120UN-X-1	12	D	
NPT-threading (internal & external) / NPT-filetage (interne & externe)			
LYEU14180NT-1	18	E	
LYEU14140NT-1	14	E	
NPFT-threading (internal & external) / NPFT-filetage (interne & externe)			
LYEU14180NF-1	18	F	
LYEU14140NF-1	14	F	
BSPT-threading (internal & external) / BSPT-filetage (interne & externe)			
LYEU14190BT-1	19	G	
LYEU14140BT-1	14	G	
BSP-threading (internal & external) / BSP-filetage (interne & externe)			
LYEU14240BW-1	24	H	
LYEU14200BW-1	20	H	
LYEU14190BW-1	19	H	
LYEU14160BW-1	16	H	
LYEU14140BW-1	14	H	
PG-threading (internal & external) / PG-filetage (interne & externe)			
LYEU14180PG-1	18	I	

● = P ● = M ● = K ● = N ● = S ○ = H

RAPIDTHREAD THREADING END MILL (A=14MM CARBIDE SHANK)
 FRAISE A FILETER (A=14MM CORPS CARBURE)

ADAPTION ACC. TO DIN 1835 A
 ATTACHEMENT DIN 1835 A



Designation Réf. de l'article	D	d	LT	a	Z	IK	kg
MTED13.7-1-C10C-14	13,2	10	110	14	1	✓	0,092
MTED13.7-1-C10C-14-B	13,2	10	150	14	1	✓	0,165
MTED15.2-1-C12C-14	15,2	12	175	14	1	✓	0,260

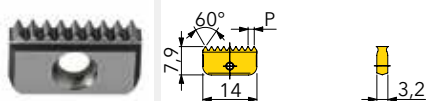
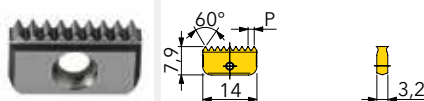
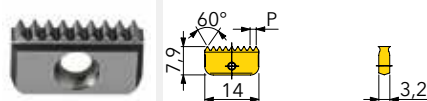
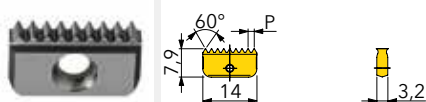
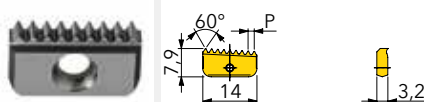
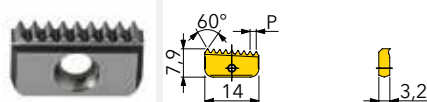
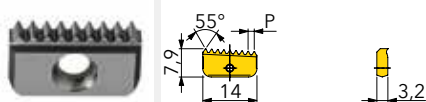
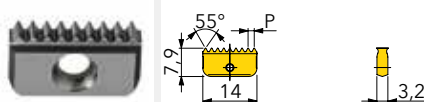
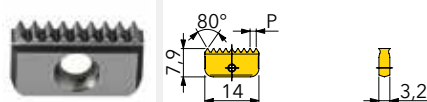
SPARE PARTS
 ACCESSOIRES



IS14 (1,3Nm)

IK14

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

A ISO-threading (internal) / ISO-filetage (interne)

B ISO-threading (external) / ISO-filetage (externe)

C UN-threading (internal) / UN-filetage (interne)

D UN-threading (external) / UN-filetage (externe)

E NPT-threading (internal & external) / NPT-filetage (interne & externe)

F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)

G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)

H BSP-threading (internal & external) / BSP-filetage (interne & externe)

I PG-threading (internal & external) / PG-filetage (interne & externe)


Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)			
LYEU14050IS-1	0,5	A	
LYEU14075IS-1	0,75	A	
LYEU14100IS-1	1	A	
LYEU14125IS-1	1,25	A	
LYEU14150IS-1	1,5	A	
LYEU14175IS-1	1,75	A	
LYEU14200IS-1	2	A	
LYEU14250IS-1	2,5	A	
ISO-threading (external) / ISO-filetage (externe)			
LYEU14075IS-X-1	0,75	B	
LYEU14100IS-X-1	1	B	
LYEU14125IS-X-1	1,25	B	
LYEU14150IS-X-1	1,5	B	
LYEU14175IS-X-1	1,75	B	
LYEU14200IS-X-1	2	B	
LYEU14250IS-X-1	2,5	B	
UN-threading (internal) / UN-filetage (interne)			
LYEU14320UN-1	32	C	
LYEU14280UN-1	28	C	
LYEU14270UN-1	27	C	
LYEU14240UN-1	24	C	
LYEU14200UN-1	20	C	
LYEU14180UN-1	18	C	
LYEU14160UN-1	16	C	
LYEU14140UN-1	14	C	
LYEU14120UN-1	12	C	

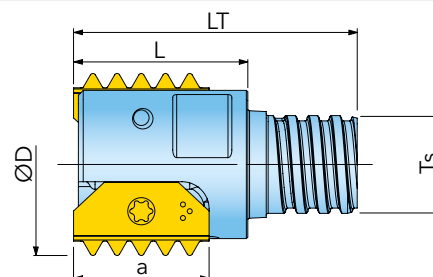
Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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LYEU14100UN-1	10	C	
UN-threading (external) / UN-filetage (externe)			
LYEU14320UN-X-1	32	D	
LYEU14280UN-X-1	28	D	
LYEU14240UN-X-1	24	D	
LYEU14200UN-X-1	20	D	
LYEU14180UN-X-1	18	D	
LYEU14160UN-X-1	16	D	
LYEU14140UN-X-1	14	D	
LYEU14120UN-X-1	12	D	
NPT-threading (internal & external) / NPT-filetage (interne & externe)			
LYEU14180NT-1	18	E	
LYEU14140NT-1	14	E	
NPFT-threading (internal & external) / NPFT-filetage (interne & externe)			
LYEU14180NF-1	18	F	
LYEU14140NF-1	14	F	
BSPT-threading (internal & external) / BSPT-filetage (interne & externe)			
LYEU14190BT-1	19	G	
LYEU14140BT-1	14	G	
BSP-threading (internal & external) / BSP-filetage (interne & externe)			
LYEU14240BW-1	24	H	
LYEU14200BW-1	20	H	
LYEU14190BW-1	19	H	
LYEU14160BW-1	16	H	
LYEU14140BW-1	14	H	
PG-threading (internal & external) / PG-filetage (interne & externe)			
LYEU14180PG-1	18	I	

● = P ● = M ● = K ● = N ● = S ○ = H

RAPIDTHREAD THREADING END MILL (A=14MM) FRAISE A FILETER (A=14MM)

FOR EXCHANGEABLE HEAD SYSTEM
 POUR SYSTEME DE TETES INTERCHANGEABLES



Designation Réf. de l'article	D	d1	LT	L	a	Ts	Z	IK	kg
MTED13.7-1-CST06-14	13,7	9,6	23,3	17	14	T6	1	✓	0,03
MTED15.8-1-CST08-14	15,8	11,6	24,5	17	14	T8	1	✓	0,02
MTED20/D0.79-2-CST10-14	20,0	15,3	29,3	18	14	T10	2	✓	0,03
MTED20/D0.79-3-CST10-14	21,0	15,3	35,3	24	14	T10	3	✓	0,02

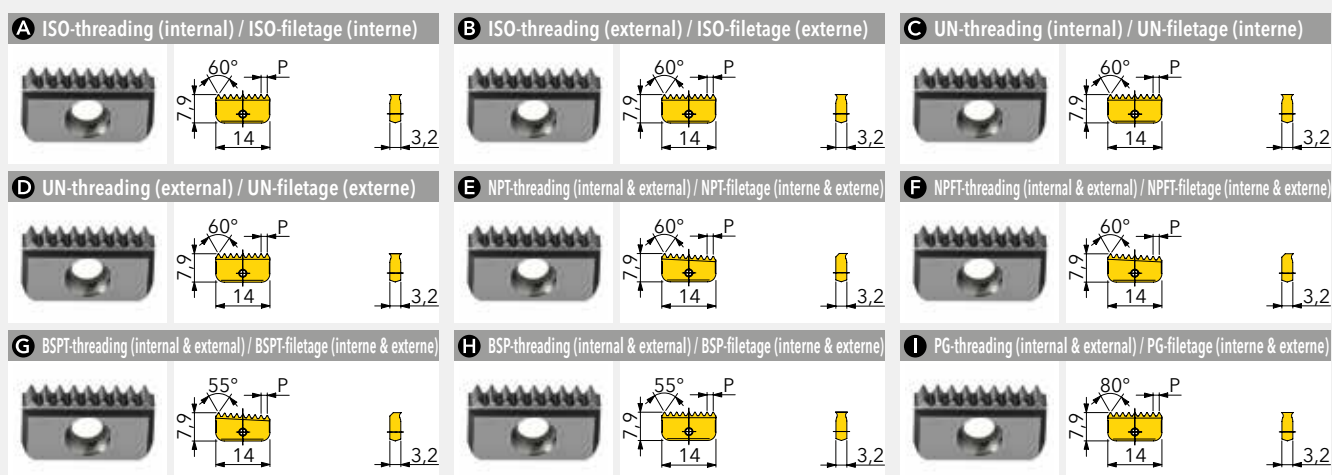
SPARE PARTS ACCESSOIRES



Special thread / Filetage Spécial

T6	IS14 (1,3Nm)	IK14	DS-T25T
T8	IS14 (1,3Nm)	IK14	DS-T20T
T10	IS14 (1,3Nm)	IK14	WS-0044 (28,0Nm)

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis ③ = Screw driver / Tournevis

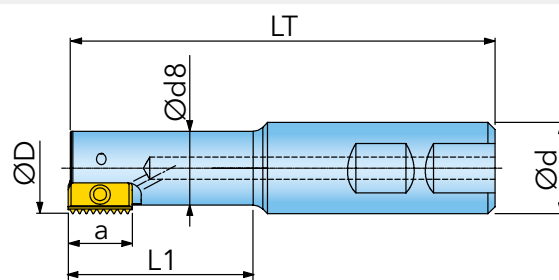


Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005			Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005		
ISO-threading (internal) / ISO-filetage (interne)						UN-threading (external) / UN-filetage (externe)					
LYEU14050IS-1	0,5	A				LYEU14100UN-1	10	C			
LYEU14075IS-1	0,75	A				NPT-threading (internal & external) / NPT-filetage (interne & externe)					
LYEU14100IS-1	1	A				LYEU14180NT-1	18	E			
LYEU14125IS-1	1,25	A				LYEU14140NT-1	14	E			
LYEU14150IS-1	1,5	A				NPFT-threading (internal & external) / NPFT-filetage (interne & externe)					
LYEU14175IS-1	1,75	A				LYEU14180NF-1	18	F			
LYEU14200IS-1	2	A				LYEU14140NF-1	14	F			
LYEU14250IS-1	2,5	A				BSPT-threading (internal & external) / BSPT-filetage (interne & externe)					
ISO-threading (external) / ISO-filetage (externe)						LYEU14190BT-1	19	G			
LYEU14075IS-X-1	0,75	B				LYEU14140BT-1	14	G			
LYEU14100IS-X-1	1	B				BSP-threading (internal & external) / BSP-filetage (interne & externe)					
LYEU14125IS-X-1	1,25	B				LYEU14240BW-1	24	H			
LYEU14150IS-X-1	1,5	B				LYEU14200BW-1	20	H			
LYEU14175IS-X-1	1,75	B				LYEU14190BW-1	19	H			
LYEU14200IS-X-1	2	B				LYEU14160BW-1	16	H			
LYEU14250IS-X-1	2,5	B				LYEU14140BW-1	14	H			
UN-threading (internal) / UN-filetage (interne)						PG-threading (internal & external) / PG-filetage (interne & externe)					
LYEU14320UN-1	32	C				LYEU14180PG-1	18	I			
LYEU14280UN-1	28	C									
LYEU14270UN-1	27	C									
LYEU14240UN-1	24	C									
LYEU14200UN-1	20	C									
LYEU14180UN-1	18	C									
LYEU14160UN-1	16	C									
LYEU14140UN-1	14	C									
LYEU14120UN-1	12	C									

● = P ● = M ● = K ● = N ● = S ○ = H

RAPIDTHREAD THREADING END MILL (A=21MM) FRAISE A FILETER (A=21MM)

ADAPTION ACC. TO DIN 1835 B (WELDON)
 ATTACHEMENT DIN 1835 B (WELDON)



Designation Réf. de l'article	D	d	d8	LT	L1	a	Z	IK	kg
MTED18-1-W20-21 ¹⁾	18	20	14,4	85	30	21	1	✓	0,165
MTED21-1-W20-21	21	20	16,5	94	40	21	1	✓	0,185
MTED25-1-W20-21	25	20	-	125	-	21	1	✓	0,300
MTED30-2-W25-21	30	25	24	108	52	21	2	✓	0,370

¹⁾ not with insert LYE21350IS / non compatible avec plaquette LYE21350IS

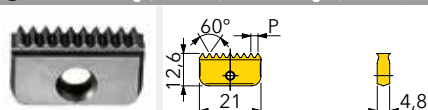
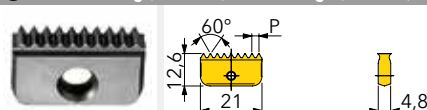
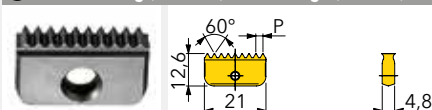
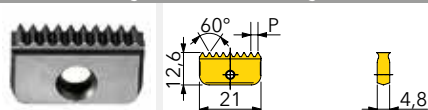
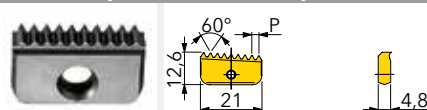
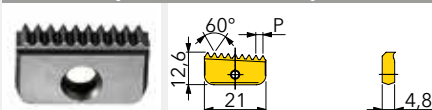
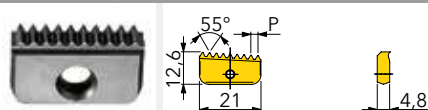
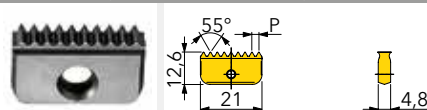
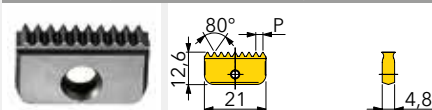
SPARE PARTS
 ACCESSOIRES



IS21 (5,2Nm)

IK21

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)****I PG-threading (internal & external) / PG-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)			
LYEU21100IS-1	1	A	
LYEU21150IS-1	1,5	A	
LYEU21175IS-1	1,75	A	
LYEU21200IS-1	2	A	
LYEU21250IS-1	2,5	A	
LYEU21300IS-1	3	A	
LYEU21350IS-1	3,5	A	
ISO-threading (external) / ISO-filetage (externe)			
LYEU21100IS-X-1	1	B	
LYEU21150IS-X-1	1,5	B	
LYEU21200IS-X-1	2	B	
LYEU21250IS-X-1	2,5	B	
LYEU21300IS-X-1	3	B	
UN-threading (internal) / UN-filetage (interne)			
LYEU21240UN-1	24	C	
LYEU21200UN-1	20	C	
LYEU21180UN-1	18	C	
LYEU21160UN-1	16	C	
LYEU21140UN-1	14	C	
LYEU21120UN-1	12	C	
LYEU21100UN-1	10	C	
LYEU21080UN-1	8	C	
LYEU21070UN-1	7	C	
UN-threading (external) / UN-filetage (externe)			

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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LYEU21240UN-X-1	24	D	
LYEU21200UN-X-1	20	D	
LYEU21180UN-X-1	18	D	
LYEU21160UN-X-1	16	D	
LYEU21140UN-X-1	14	D	
LYEU21120UN-X-1	12	D	
LYEU21100UN-X-1	10	D	
NPT-threading (internal & external) / NPT-filetage (interne & externe)			
LYEU21140NT-1	14	E	
LYEU21115NT-1	11,5	E	
NPTF-threading (internal & external) / NPTF-filetage (interne & externe)			
LYEU21140NF-1	14	F	
LYEU21115NF-1	11,5	F	
BSPT-threading (internal & external) / BSPT-filetage (interne & externe)			
LYEU21140BT-1	14	G	
LYEU21110BT-1	11	G	
BSP-threading (internal & external) / BSP-filetage (interne & externe)			
LYEU21200BW-1	20	H	
LYEU21190BW-1	19	H	
LYEU21140BW-1	14	H	
LYEU21110BW-1	11	H	
PG-threading (internal & external) / PG-filetage (interne & externe)			
LYEU21180PG-1	18	I	
LYEU21160PG-1	16	I	

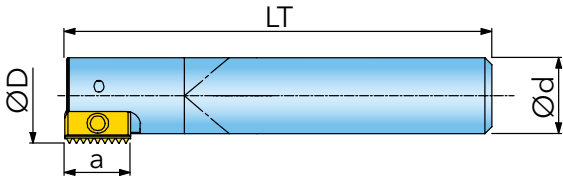
● = P ● = M ● = K ● = N ● = S ○ = H

RAPID

THREAD

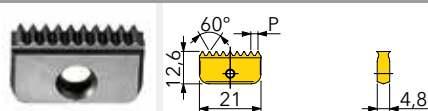
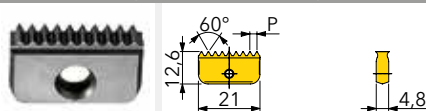
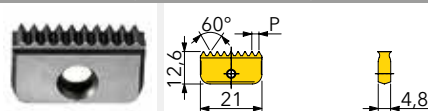
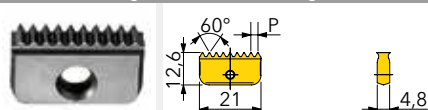
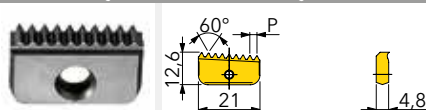
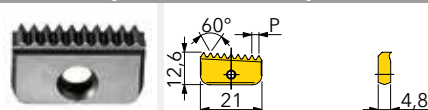
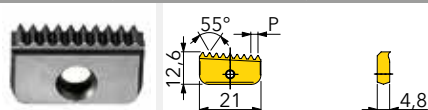
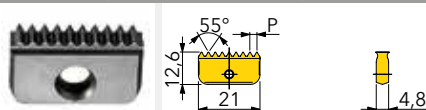
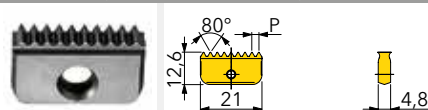
THREADING END MILL (A=21MM CARBIDE SHANK)

FRAISE A FILETER (A=21MM CORPS CARBURE)

ADAPTION ACC. TO DIN 1835 A ATTACHEMENT DIN 1835 A						 							
													
Designation	D	d	LT	a	Z	 							
Réf. de l'article													
MTED21-1-C16C-21	21	16	130	21	1	✓		0,278					
MTED21-1-C16C-21-B	21	16	200	21	1	✓		0,545					

SPARE PARTS ACCESSOIRES	① 		② 									
	IS21 (5,2Nm)		IK21									

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)****I PG-threading (internal & external) / PG-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)			
LYEU21100IS-1	1	A	
LYEU21150IS-1	1,5	A	
LYEU21175IS-1	1,75	A	
LYEU21200IS-1	2	A	
LYEU21250IS-1	2,5	A	
LYEU21300IS-1	3	A	
LYEU21350IS-1	3,5	A	
ISO-threading (external) / ISO-filetage (externe)			
LYEU21100IS-X-1	1	B	
LYEU21150IS-X-1	1,5	B	
LYEU21200IS-X-1	2	B	
LYEU21250IS-X-1	2,5	B	
LYEU21300IS-X-1	3	B	
UN-threading (internal) / UN-filetage (interne)			
LYEU21240UN-1	24	C	
LYEU21200UN-1	20	C	
LYEU21180UN-1	18	C	
LYEU21160UN-1	16	C	
LYEU21140UN-1	14	C	
LYEU21120UN-1	12	C	
LYEU21100UN-1	10	C	
LYEU21080UN-1	8	C	
LYEU21070UN-1	7	C	
UN-threading (external) / UN-filetage (externe)			

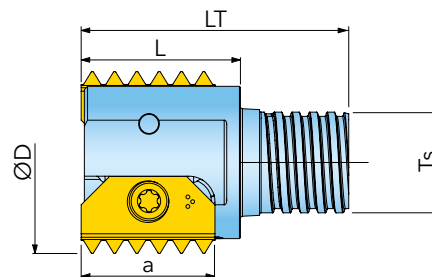
Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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LYEU21240UN-X-1	24	D	
LYEU21200UN-X-1	20	D	
LYEU21180UN-X-1	18	D	
LYEU21160UN-X-1	16	D	
LYEU21140UN-X-1	14	D	
LYEU21120UN-X-1	12	D	
LYEU21100UN-X-1	10	D	
NPT-threading (internal & external) / NPT-filetage (interne & externe)			
LYEU21140NT-1	14	E	
LYEU21115NT-1	11,5	E	
NPTF-threading (internal & external) / NPTF-filetage (interne & externe)			
LYEU21140NF-1	14	F	
LYEU21115NF-1	11,5	F	
BSPT-threading (internal & external) / BSPT-filetage (interne & externe)			
LYEU21140BT-1	14	G	
LYEU21110BT-1	11	G	
BSP-threading (internal & external) / BSP-filetage (interne & externe)			
LYEU21200BW-1	20	H	
LYEU21190BW-1	19	H	
LYEU21140BW-1	14	H	
LYEU21110BW-1	11	H	
PG-threading (internal & external) / PG-filetage (interne & externe)			
LYEU21180PG-1	18	I	
LYEU21160PG-1	16	I	

● = P ● = M ● = K ● = N ● = S ○ = H

RAPIDTHREAD THREADING END MILL (A=21MM) FRAISE A FILETER (A=21MM)

FOR EXCHANGEABLE HEAD SYSTEM
 POUR SYSTEME DE TETES INTERCHANGEABLES



Designation Réf. de l'article	D	d1	LT	L	a	Ts	Z	IK	kg
MTED21/D0.82-1-CST10-21	21,0	15,3	36,3	25	21	T10	1	✓	0,12
MTED30.4/D1.2-2-CST15-21	30,4	23,9	42	25	21	T15	2	✓	0,13
MTED30.4/D1.2-3-CST15-21	30,4	23,9	51	34	21	T15	3	✓	0,13

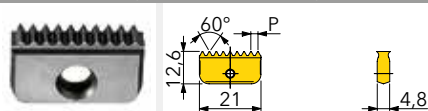
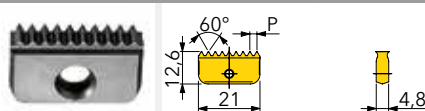
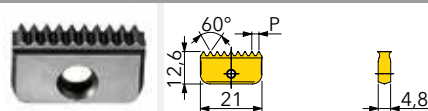
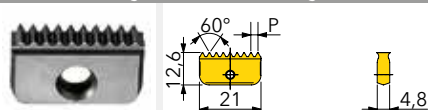
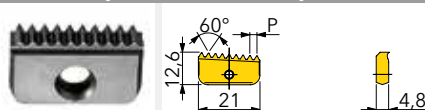
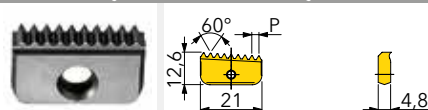
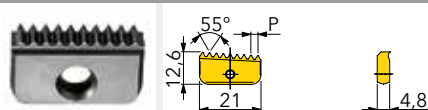
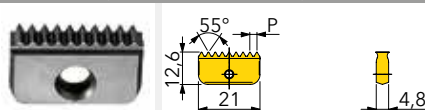
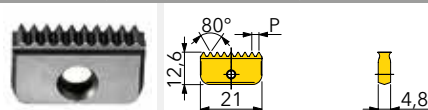
SPARE PARTS ACCESSOIRES



Special thread / Filetage Spécial

T10	IS21 (5,2Nm)	IK21	WS-0044 (28,0Nm)
T15	IS21 (5,2Nm)	IK21	WS-0061 (28,0Nm)

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis ③ = Wrench / Clé de serrage

A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)****I PG-threading (internal & external) / PG-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)			
LYEU21100IS-1	1	A	
LYEU21150IS-1	1,5	A	
LYEU21175IS-1	1,75	A	
LYEU21200IS-1	2	A	
LYEU21250IS-1	2,5	A	
LYEU21300IS-1	3	A	
LYEU21350IS-1	3,5	A	
ISO-threading (external) / ISO-filetage (externe)			
LYEU21100IS-X-1	1	B	
LYEU21150IS-X-1	1,5	B	
LYEU21200IS-X-1	2	B	
LYEU21250IS-X-1	2,5	B	
LYEU21300IS-X-1	3	B	
UN-threading (internal) / UN-filetage (interne)			
LYEU21240UN-1	24	C	
LYEU21200UN-1	20	C	
LYEU21180UN-1	18	C	
LYEU21160UN-1	16	C	
LYEU21140UN-1	14	C	
LYEU21120UN-1	12	C	
LYEU21100UN-1	10	C	
LYEU21080UN-1	8	C	
LYEU21070UN-1	7	C	
UN-threading (external) / UN-filetage (externe)			

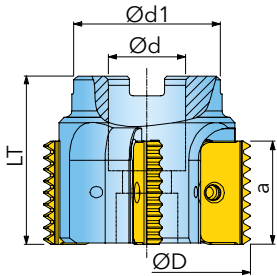
Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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LYEU21240UN-X-1	24	D	
LYEU21200UN-X-1	20	D	
LYEU21180UN-X-1	18	D	
LYEU21160UN-X-1	16	D	
LYEU21140UN-X-1	14	D	
LYEU21120UN-X-1	12	D	
LYEU21100UN-X-1	10	D	
NPT-threading (internal & external) / NPT-filetage (interne & externe)			
LYEU21140NT-1	14	E	
LYEU21115NT-1	11,5	E	
NPTF-threading (internal & external) / NPTF-filetage (interne & externe)			
LYEU21140NF-1	14	F	
LYEU21115NF-1	11,5	F	
BSPT-threading (internal & external) / BSPT-filetage (interne & externe)			
LYEU21140BT-1	14	G	
LYEU21110BT-1	11	G	
BSP-threading (internal & external) / BSP-filetage (interne & externe)			
LYEU21200BW-1	20	H	
LYEU21190BW-1	19	H	
LYEU21140BW-1	14	H	
LYEU21110BW-1	11	H	
PG-threading (internal & external) / PG-filetage (interne & externe)			
LYEU21180PG-1	18	I	
LYEU21160PG-1	16	I	

● = P ● = M ● = K ● = N ● = S ○ = H

RAPIDTHREAD THREADING SHELL MILL (A=21MM)
 FRAISE A FILETER (A=21MM)

ADAPTION ACC. TO DIN 8030
 ATTACHEMENT DIN 8030



Designation	D	d	d1	LT	a	Z	
Réf. de l'article							kg
MTFD063-5-22-21	63	22	40	50	21	5	0,720

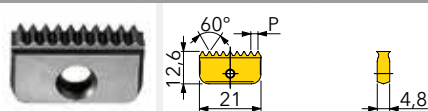
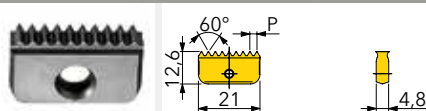
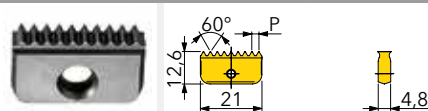
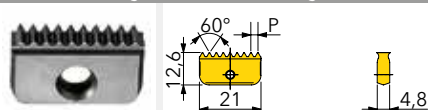
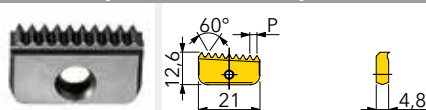
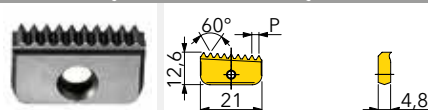
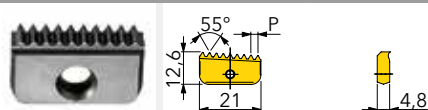
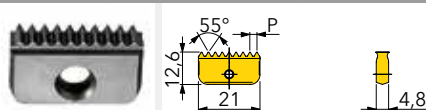
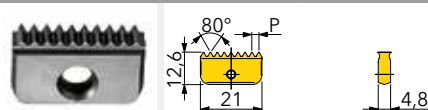
SPARE PARTS
 ACCESSOIRES



IS21 (5,2Nm)

IK21

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)****I PG-threading (internal & external) / PG-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)			
LYEU21100IS-1	1	A	
LYEU21150IS-1	1,5	A	
LYEU21175IS-1	1,75	A	
LYEU21200IS-1	2	A	
LYEU21250IS-1	2,5	A	
LYEU21300IS-1	3	A	
LYEU21350IS-1	3,5	A	
ISO-threading (external) / ISO-filetage (externe)			
LYEU21100IS-X-1	1	B	
LYEU21150IS-X-1	1,5	B	
LYEU21200IS-X-1	2	B	
LYEU21250IS-X-1	2,5	B	
LYEU21300IS-X-1	3	B	
UN-threading (internal) / UN-filetage (interne)			
LYEU21240UN-1	24	C	
LYEU21200UN-1	20	C	
LYEU21180UN-1	18	C	
LYEU21160UN-1	16	C	
LYEU21140UN-1	14	C	
LYEU21120UN-1	12	C	
LYEU21100UN-1	10	C	
LYEU21080UN-1	8	C	
LYEU21070UN-1	7	C	
UN-threading (external) / UN-filetage (externe)			

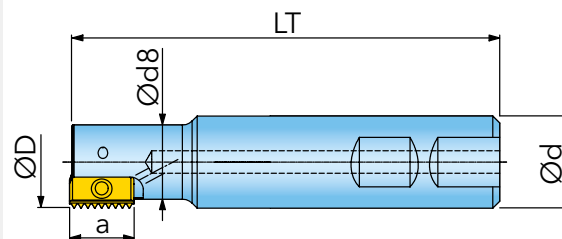
Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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LYEU21240UN-X-1	24	D	
LYEU21200UN-X-1	20	D	
LYEU21180UN-X-1	18	D	
LYEU21160UN-X-1	16	D	
LYEU21140UN-X-1	14	D	
LYEU21120UN-X-1	12	D	
LYEU21100UN-X-1	10	D	
NPT-threading (internal & external) / NPT-filetage (interne & externe)			
LYEU21140NT-1	14	E	
LYEU21115NT-1	11,5	E	
NPTF-threading (internal & external) / NPTF-filetage (interne & externe)			
LYEU21140NF-1	14	F	
LYEU21115NF-1	11,5	F	
BSPT-threading (internal & external) / BSPT-filetage (interne & externe)			
LYEU21140BT-1	14	G	
LYEU21110BT-1	11	G	
BSP-threading (internal & external) / BSP-filetage (interne & externe)			
LYEU21200BW-1	20	H	
LYEU21190BW-1	19	H	
LYEU21140BW-1	14	H	
LYEU21110BW-1	11	H	
PG-threading (internal & external) / PG-filetage (interne & externe)			
LYEU21180PG-1	18	I	
LYEU21160PG-1	16	I	

● = P ● = M ● = K ● = N ● = S ○ = H

RAPIDTHREAD THREADING END MILL (A=30MM) FRAISE A FILETER (A=30MM)

ADAPTION ACC. TO DIN 1835 B (WELDON)
 ATTACHEMENT DIN 1835 B (WELDON)



Designation Réf. de l'article	D	d	d8	LT	L1	a	Z	IK	kg
MTED29-1-W25-30	29	25	23	110	50	30	1	✓	0,350
MTED31-1-W25-30	31	25	-	150	-	30	1	✓	0,520
MTED38-1-W32-30	38	32	-	150	-	30	1	✓	0,890
MTED40-2-W32-30	40	32	30	130	70	30	2	✓	0,690

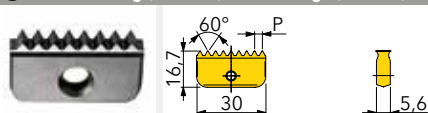
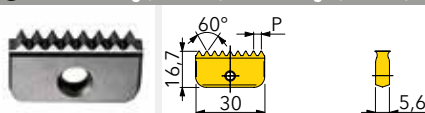
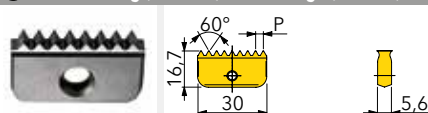
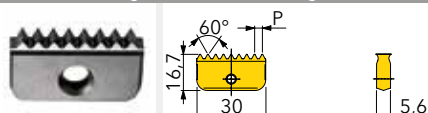
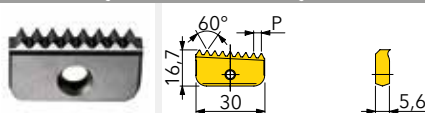
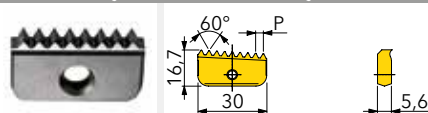
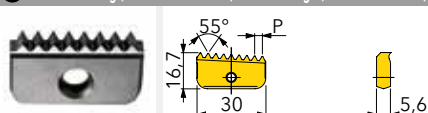
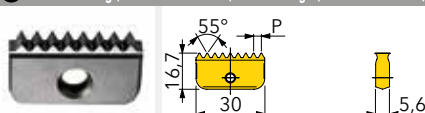
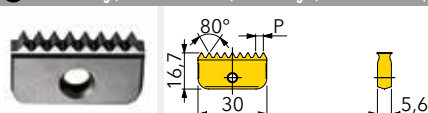
SPARE PARTS
 ACCESSOIRES



IS30 (10,0Nm)

IK30

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)****I PG-threading (internal & external) / PG-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)			
LYEU30150IS-1	1,5	A	
LYEU30200IS-1	2	A	
LYEU30300IS-1	3	A	
LYEU30350IS-1	3,5	A	
LYEU30400IS-1	4	A	
LYEU30450IS-1	4,5	A	
LYEU30500IS-1	5	A	
ISO-threading (external) / ISO-filetage (externe)			
LYEU30150IS-X-1	1,5	B	
LYEU30200IS-X-1	2	B	
LYEU30300IS-X-1	3	B	
LYEU30350IS-X-1	3,5	B	
LYEU30400IS-X-1	4	B	
UN-threading (internal) / UN-filetage (interne)			
LYEU30200UN-1	20	C	
LYEU30180UN-1	18	C	
LYEU30160UN-1	16	C	
LYEU30140UN-1	14	C	
LYEU30120UN-1	12	C	
LYEU30100UN-1	10	C	
LYEU30080UN-1	8	C	
LYEU30060UN-1	6	C	

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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UN-threading (external) / UN-filetage (externe)			
LYEU30200UN-X-1	20	D	
LYEU30180UN-X-1	18	D	
LYEU30160UN-X-1	16	D	
LYEU30140UN-X-1	14	D	
LYEU30120UN-X-1	12	D	
LYEU30100UN-X-1	10	D	
LYEU30080UN-X-1	8	D	
LYEU30060UN-X-1	6	D	
NPT-threading (internal & external) / NPT-filetage (interne & externe)			
LYEU30115NT-1	11,5	E	
LYEU30080NT-1	8	E	
NPFT-threading (internal & external) / NPFT-filetage (interne & externe)			
LYEU30115NF-1	11,5	F	
LYEU30080NF-1	8	F	
BSPT-threading (internal & external) / BSPT-filetage (interne & externe)			
LYEU30110BT-1	11	G	
BSP-threading (internal & external) / BSP-filetage (interne & externe)			
LYEU30160BW-1	16	H	
LYEU30140BW-1	14	H	
LYEU30110BW-1	11	H	
PG-threading (internal & external) / PG-filetage (interne & externe)			
LYEU30160PG-1	16	I	

● = P ● = M ● = K ● = N ● = S ○ = H

RAPID

THREAD

THREADING END MILL (A=30MM CARBIDE SHANK)

FRAISE A FILETER (A=30MM CORPS CARBURE)

ADAPTION ACC. TO DIN 1835 A

ATTACHEMENT DIN 1835 A



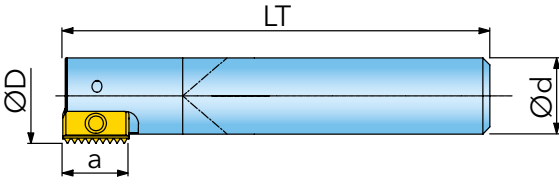



LT

ØD

Ød

a



Designation	D	d	LT	a	Z		
Réf. de l'article							
MTED27-1-C20C-30	27	20	270	30	1	✓	1,075

SPARE PARTS

ACCESSOIRES

①



②



IS30 (10,0Nm)

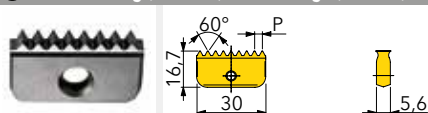
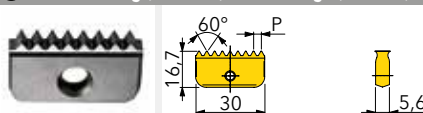
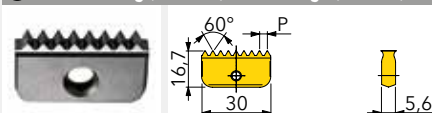
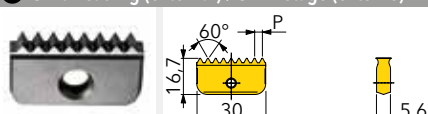
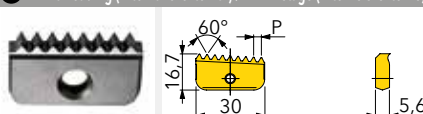
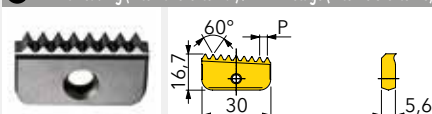
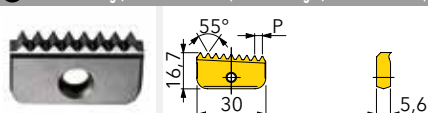
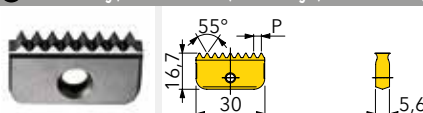
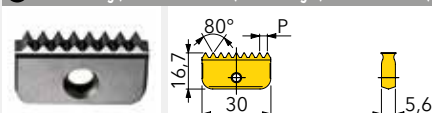
IK30

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

514

Member IMC Group



A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)****I PG-threading (internal & external) / PG-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)

LYEU30150IS-1	1,5	A	
LYEU30200IS-1	2	A	
LYEU30300IS-1	3	A	
LYEU30350IS-1	3,5	A	
LYEU30400IS-1	4	A	
LYEU30450IS-1	4,5	A	
LYEU30500IS-1	5	A	

ISO-threading (external) / ISO-filetage (externe)

LYEU30150IS-X-1	1,5	B	
LYEU30200IS-X-1	2	B	
LYEU30300IS-X-1	3	B	
LYEU30350IS-X-1	3,5	B	
LYEU30400IS-X-1	4	B	

UN-threading (internal) / UN-filetage (interne)

LYEU30200UN-1	20	C	
LYEU30180UN-1	18	C	
LYEU30160UN-1	16	C	
LYEU30140UN-1	14	C	
LYEU30120UN-1	12	C	
LYEU30100UN-1	10	C	
LYEU30080UN-1	8	C	
LYEU30060UN-1	6	C	

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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UN-threading (external) / UN-filetage (externe)

LYEU30200UN-X-1	20	D	
LYEU30180UN-X-1	18	D	
LYEU30160UN-X-1	16	D	
LYEU30140UN-X-1	14	D	
LYEU30120UN-X-1	12	D	
LYEU30100UN-X-1	10	D	
LYEU30080UN-X-1	8	D	
LYEU30060UN-X-1	6	D	

NPT-threading (internal & external) / NPT-filetage (interne & externe)

LYEU30115NT-1	11,5	E	
LYEU30080NT-1	8	E	

NPTF-threading (internal & external) / NPTF-filetage (interne & externe)

LYEU30115NF-1	11,5	F	
LYEU30080NF-1	8	F	

BSPT-threading (internal & external) / BSPT-filetage (interne & externe)

LYEU30110BT-1	11	G	
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BSP-threading (internal & external) / BSP-filetage (interne & externe)

LYEU30160BW-1	16	H	
LYEU30140BW-1	14	H	
LYEU30110BW-1	11	H	

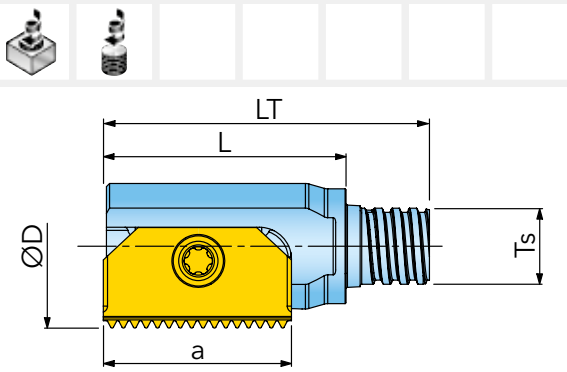
PG-threading (internal & external) / PG-filetage (interne & externe)

LYEU30160PG-1	16	I	
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● = P ● = M ● = K ● = N ● = S ○ = H

RAPIDTHREAD THREADING END MILL (A=30MM)
 FRAISE A FILETER (A=30MM)

FOR EXCHANGEABLE HEAD SYSTEM
 POUR SYSTEME DE TETES INTERCHANGEABLES



Designation	D	d1	LT	L	a	Ts	Z	IK	kg
Réf. de l'article									
MTED27-1-CST12-30	27	20	52	38,2	30	T12	1	✓	0,10

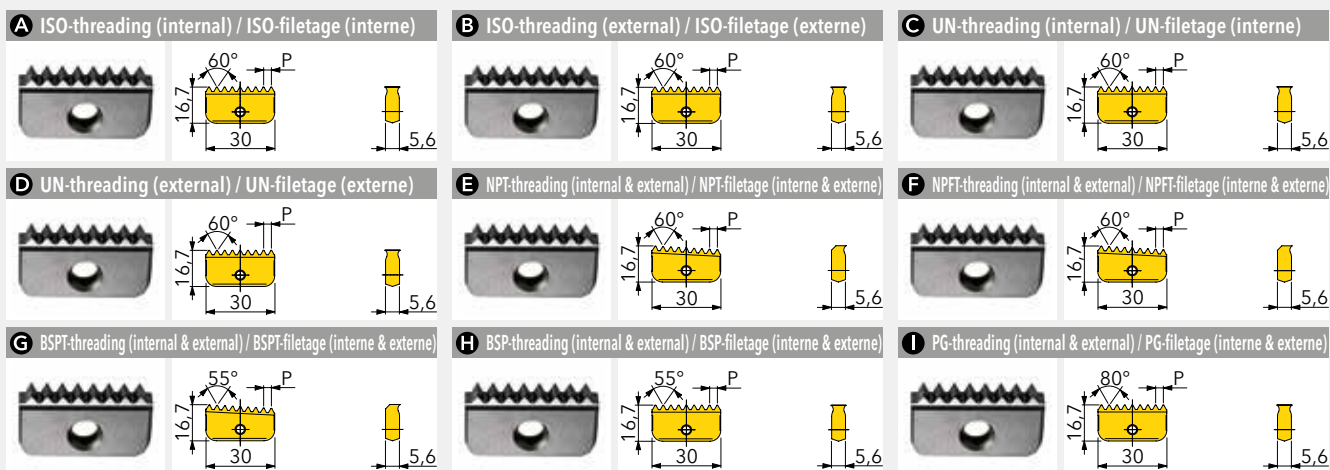
SARE PARTS
 ACCESSOIRES



Special thread / Filetage Spécial

T12	IS30 (10,0Nm)	IK30	WS-0059 (28,0Nm)
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① = Insert screw / Vis de serrage ② = Screw driver / Tournevis ③ = Wrench / Clé de serrage

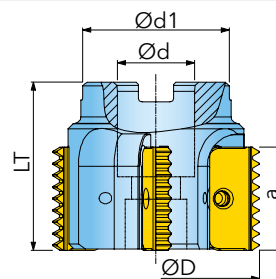


Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005			Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005		
ISO-threading (internal) / ISO-filetage (interne)						UN-threading (external) / UN-filetage (externe)					
LYEU30150IS-1	1,5	A				LYEU30200UN-X-1	20	D			
LYEU30200IS-1	2	A				LYEU30180UN-X-1	18	D			
LYEU30300IS-1	3	A				LYEU30160UN-X-1	16	D			
LYEU30350IS-1	3,5	A				LYEU30140UN-X-1	14	D			
LYEU30400IS-1	4	A				LYEU30120UN-X-1	12	D			
LYEU30450IS-1	4,5	A				LYEU30100UN-X-1	10	D			
LYEU30500IS-1	5	A				LYEU30080UN-X-1	8	D			
ISO-threading (external) / ISO-filetage (externe)						LYEU30060UN-X-1	6	D			
LYEU30150IS-X-1	1,5	B				NPT-threading (internal & external) / NPT-filetage (interne & externe)					
LYEU30200IS-X-1	2	B				LYEU30115NT-1	11,5	E			
LYEU30300IS-X-1	3	B				LYEU30080NT-1	8	E			
LYEU30350IS-X-1	3,5	B				NPTF-threading (internal & external) / NPTF-filetage (interne & externe)					
LYEU30400IS-X-1	4	B				LYEU30115NF-1	11,5	F			
UN-threading (internal) / UN-filetage (interne)						LYEU30080NF-1	8	F			
LYEU30200UN-1	20	C				BSPT-threading (internal & external) / BSPT-filetage (interne & externe)					
LYEU30180UN-1	18	C				LYEU30110BT-1	11	G			
LYEU30160UN-1	16	C				BSP-threading (internal & external) / BSP-filetage (interne & externe)					
LYEU30140UN-1	14	C				LYEU30160BW-1	16	H			
LYEU30120UN-1	12	C				LYEU30140BW-1	14	H			
LYEU30100UN-1	10	C				LYEU30110BW-1	11	H			
LYEU30080UN-1	8	C				PG-threading (internal & external) / PG-filetage (interne & externe)					
LYEU30060UN-1	6	C				LYEU30160PG-1	16	I			

● = P ● = M ● = K ● = N ● = S ○ = H

RAPIDTHREAD THREADING SHELL MILL (A=30MM) FRAISE A FILETER (A=30MM)

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z	kg
MTFD063-4-22-30	63	22	55	50	30	4	0,675
MTFD080-4-27-30	80	27	58	55	30	4	1,220
MTFD100-4-32-30	100	32	66	60	30	4	2,160

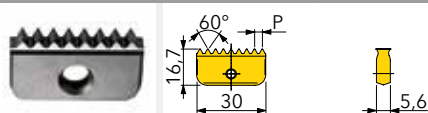
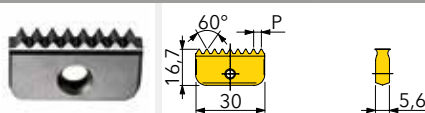
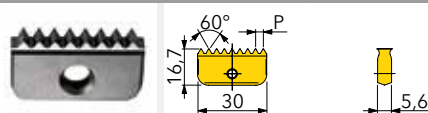
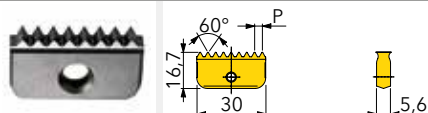
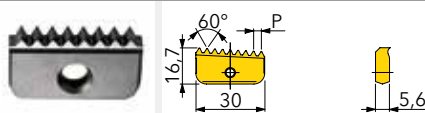
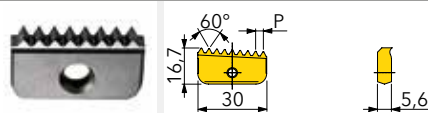
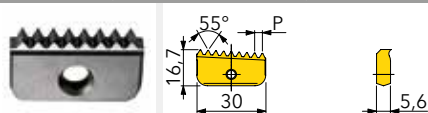
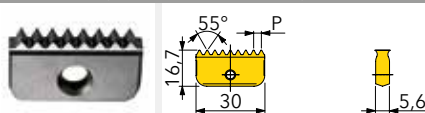
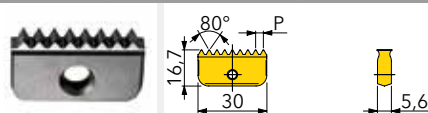
SPARE PARTS
ACCESSOIRES



IS30 (10,0Nm)

IK30

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)****I PG-threading (internal & external) / PG-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)			
LYEU30150IS-1	1,5	A	
LYEU30200IS-1	2	A	
LYEU30300IS-1	3	A	
LYEU30350IS-1	3,5	A	
LYEU30400IS-1	4	A	
LYEU30450IS-1	4,5	A	
LYEU30500IS-1	5	A	
ISO-threading (external) / ISO-filetage (externe)			
LYEU30150IS-X-1	1,5	B	
LYEU30200IS-X-1	2	B	
LYEU30300IS-X-1	3	B	
LYEU30350IS-X-1	3,5	B	
LYEU30400IS-X-1	4	B	
UN-threading (internal) / UN-filetage (interne)			
LYEU30200UN-1	20	C	
LYEU30180UN-1	18	C	
LYEU30160UN-1	16	C	
LYEU30140UN-1	14	C	
LYEU30120UN-1	12	C	
LYEU30100UN-1	10	C	
LYEU30080UN-1	8	C	
LYEU30060UN-1	6	C	

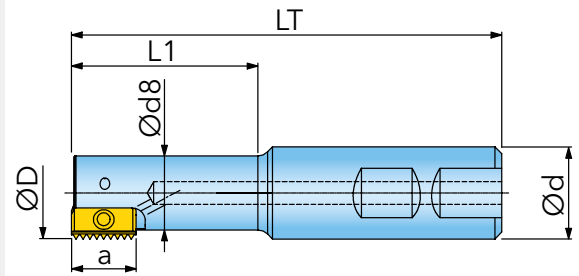
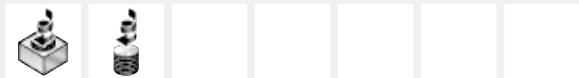
Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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UN-threading (external) / UN-filetage (externe)			
LYEU30200UN-X-1	20	D	
LYEU30180UN-X-1	18	D	
LYEU30160UN-X-1	16	D	
LYEU30140UN-X-1	14	D	
LYEU30120UN-X-1	12	D	
LYEU30100UN-X-1	10	D	
LYEU30080UN-X-1	8	D	
LYEU30060UN-X-1	6	D	
NPT-threading (internal & external) / NPT-filetage (interne & externe)			
LYEU30115NT-1	11,5	E	
LYEU30080NT-1	8	E	
NPFT-threading (internal & external) / NPFT-filetage (interne & externe)			
LYEU30115NF-1	11,5	F	
LYEU30080NF-1	8	F	
BSPT-threading (internal & external) / BSPT-filetage (interne & externe)			
LYEU30110BT-1	11	G	
BSP-threading (internal & external) / BSP-filetage (interne & externe)			
LYEU30160BW-1	16	H	
LYEU30140BW-1	14	H	
LYEU30110BW-1	11	H	
PG-threading (internal & external) / PG-filetage (interne & externe)			
LYEU30160PG-1	16	I	

● = P ● = M ● = K ● = N ● = S ○ = H

RAPIDTHREAD THREADING END MILL (A=40MM)
 FRAISE A FILETER (A=40MM)

ADAPTION ACC. TO DIN 1835 B (WELDON)
 ATTACHEMENT DIN 1835 B (WELDON)



Designation	D	d	d8	LT	L1	a	Z	IK	kg
Réf. de l'article									
MTED48-1-W40-40	48	40	35	153	78	40	1	✓	1,200
MTED50-2-W40-40	50	40	38	153	78	40	2	✓	1,215

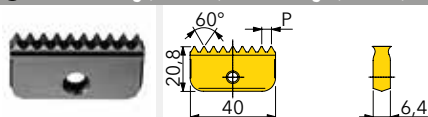
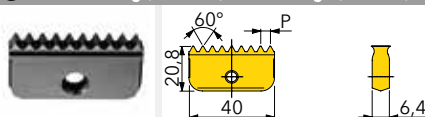
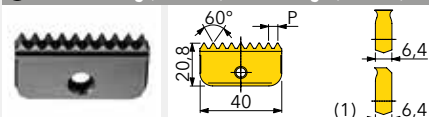
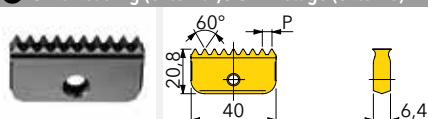
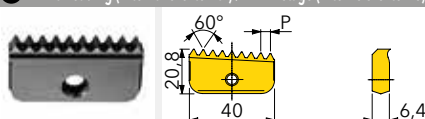
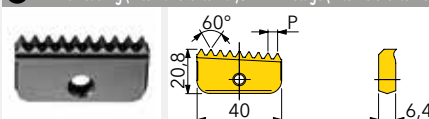
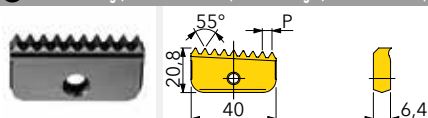
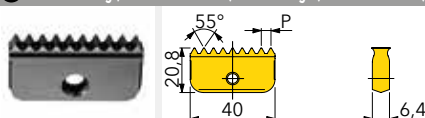
SPARE PARTS
 ACCESSOIRES



IS40 (10,0Nm)

IK40

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
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ISO-threading (internal) / ISO-filetage (interne)			
LYEU40150IS-1	1,5	A	
LYEU40200IS-1	2	A	
LYEU40300IS-1	3	A	
LYEU40350IS-1	3,5	A	
LYEU40400IS-1	4	A	
LYEU40450IS-1	4,5	A	
LYEU40500IS-1	5	A	
LYEU40550IS-1	5,5	A	
LYEU40600IS-1	6	A	
ISO-threading (external) / ISO-filetage (externe)			
LYEU40150IS-X-1	1,5	B	
LYEU40200IS-X-1	2	B	
LYEU40300IS-X-1	3	B	
LYEU40400IS-X-1	4	B	
LYEU40500IS-X-1	5	B	
LYEU40600IS-X-1	6	B	
UN-threading (internal) / UN-filetage (interne)			
LYEU40160UN-1	16	C	
LYEU40140UN-1	14	C	
LYEU40120UN-1	12	C	
LYEU40100UN-1	10	C	
LYEU40080UN-1	8	C	

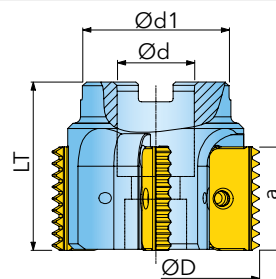
Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005
----------------------------------	--------------	-----------------	--------

LYEU40060UN-1	6	C	
LYEU40045UN-1	4,5	C	
LYEU40040UN-1	4	C	
UN-threading (external) / UN-filetage (externe)			
LYEU40160UN-X-1	16	D	
LYEU40140UN-X-1	14	D	
LYEU40120UN-X-1	12	D	
LYEU40100UN-X-1	10	D	
LYEU40080UN-X-1	8	D	
LYEU40060UN-X-1	6	D	
NPT-threading (internal & external) / NPT-filetage (interne & externe)			
LYEU40115NT-1	11,5	E	
LYEU40080NT-1	8	E	
NPTF-threading (internal & external) / NPTF-filetage (interne & externe)			
LYEU40080NF-1	8	F	
BSPT-threading (internal & external) / BSPT-filetage (interne & externe)			
LYEU40110BT-1	11	G	
BSP-threading (internal & external) / BSP-filetage (interne & externe)			
LYEU40110BW-1	11	H	
LYEU40080BW-1	8	H	

= P
 = M
 = K
 = N
 = S
 = H

RAPIDTHREAD THREADING SHELL MILL (A=40MM) FRAISE A FILETER (A=40MM)

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z	kg
MTFD080-4-27-40	80	27	58	65	40	4	1,290
MTFD100-4-32-40	100	32	66	70	40	4	1,215

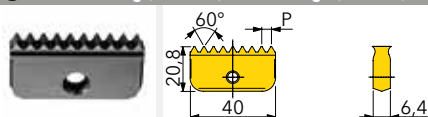
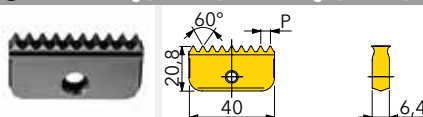
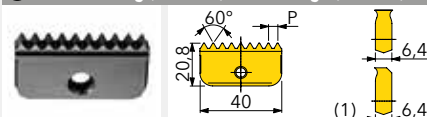
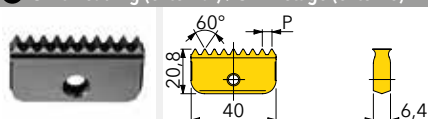
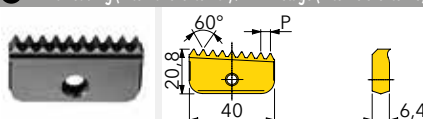
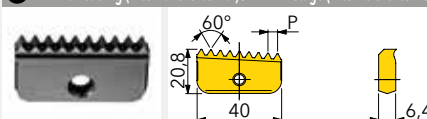
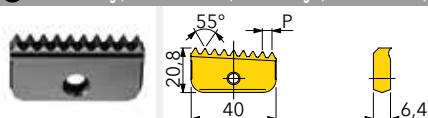
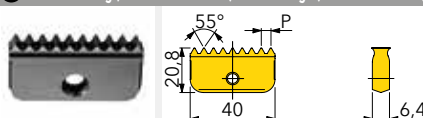
SPARE PARTS
ACCESSOIRES



IS40 (10,0Nm)

IK40

① = Insert screw / Vis de serrage ② = Screw driver / Tournevis

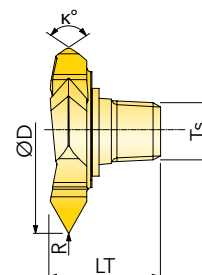
A ISO-threading (internal) / ISO-filetage (interne)**B ISO-threading (external) / ISO-filetage (externe)****C UN-threading (internal) / UN-filetage (interne)****D UN-threading (external) / UN-filetage (externe)****E NPT-threading (internal & external) / NPT-filetage (interne & externe)****F NPFT-threading (internal & external) / NPFT-filetage (interne & externe)****G BSPT-threading (internal & external) / BSPT-filetage (interne & externe)****H BSP-threading (internal & external) / BSP-filetage (interne & externe)**

Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005			Designation Réf. de l'article	Pitch Pas	Grade Nuance	IN2005		
ISO-threading (internal) / ISO-filetage (interne)						UN-threading (internal) / UN-filetage (interne)					
LYEU40150IS-1	1,5	A				LYEU40060UN-1	6	C			
LYEU40200IS-1	2	A				LYEU40045UN-1	4,5	C			
LYEU40300IS-1	3	A				LYEU40040UN-1	4	C			
LYEU40350IS-1	3,5	A				UN-threading (external) / UN-filetage (externe)					
LYEU40400IS-1	4	A				LYEU40160UN-X-1	16	D			
LYEU40450IS-1	4,5	A				LYEU40140UN-X-1	14	D			
LYEU40500IS-1	5	A				LYEU40120UN-X-1	12	D			
LYEU40550IS-1	5,5	A				LYEU40100UN-X-1	10	D			
LYEU40600IS-1	6	A				LYEU40080UN-X-1	8	D			
ISO-threading (external) / ISO-filetage (externe)						LYEU40060UN-X-1	6	D			
LYEU40150IS-X-1	1,5	B				NPT-threading (internal & external) / NPT-filetage (interne & externe)					
LYEU40200IS-X-1	2	B				LYEU40115NT-1	11,5	E			
LYEU40300IS-X-1	3	B				LYEU40080NT-1	8	E			
LYEU40400IS-X-1	4	B				NPFT-threading (internal & external) / NPFT-filetage (interne & externe)					
LYEU40500IS-X-1	5	B				LYEU40080NF-1	8	F			
LYEU40600IS-X-1	6	B				BSPT-threading (internal & external) / BSPT-filetage (interne & externe)					
UN-threading (external) / UN-filetage (externe)						LYEU40110BT-1	11	G			
LYEU40160UN-1	16	C				BSP-threading (internal & external) / BSP-filetage (interne & externe)					
LYEU40140UN-1	14	C				LYEU40110BW-1	11	H			
LYEU40120UN-1	12	C				LYEU40080BW-1	8	H			
LYEU40100UN-1	10	C									
LYEU40080UN-1	8	C									

● = P ● = M ● = K ● = N ● = S ○ = H

CHIPSURFER THREADING CUTTER 55° / 60° Z 3-4 FRAISE À FILETER 55° / 60° Z 3-4

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



Grade / Nuance

IN1530

P M K N_(K) S_(M) H_(P/K)
+ + + O + O

D ±0,03



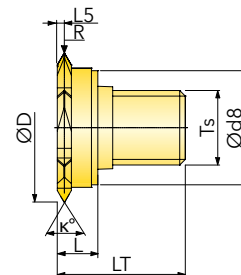
+ Preferred choice / Premier choix O Second choice / Second choix

Designation Réf. de l'article	D	D min.	LT	κ	R	Ts	P	TPI	Pitch Pas	BSP	Z	kg	①
16Y15705T6RP60 ¹⁾	15,7	20	9,8	60	-	T6	0,5 - 2	-	≥ M20	-	3	0,006	WS-0035
16Y15715T6RP60 ¹⁾	15,7	20	9,8	60	0,05	T6	1,5 - 2	-	≥ M22	-	3	0,006	WS-0035
17Y21730T8RP60 ¹⁾	21,7	31	11,73	60	0,2	T8	3 - 4,5	-	≥ M36	-	4	0,017	WS-0036
17Y21714T8RP55	21,7	24,2	10,81	55	0,2	T8	-	11 - 14	-	G ≥ 3/4	4	0,015	WS-0036

¹⁾ only for internal threading / Uniquement pour filetage interne

① = Wrench / Clé de serrage

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



Grade / Nuance

IN2005

P	M	K	N _(K)	S _(M)	H _(PK)
+	+	+	○	+	○

+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	d8	LT	L	L5	K	R	Ts	P	TPI	Pitch Pas	BSP	Z	kg	①
17Y11905T6RP600	11,94	7,6	10,0	2,90	0,95	60	0,05	T06	0,4-0,8	-	≥ M14	-	5	0,005	DS-T20T
17Y11910TQRP600	11,94	7,6	10,0	2,90	0,95	60	0,11	T05	0,8-1,75	-	≥ M14	-	5	0,015	DS-T20T
17Y11920TQRP600	11,94	7,6	10,5	2,90	1,40	60	0,22	T05	1,75-2,5	-	≥ M16	-	5	0,013	DS-T20T
17Y15905T8RP600	15,94	11,5	11,25	3,15	1,15	60	0,05	T08	0,4-0,8	-	≥ M18	-	5	0,010	DS-T40L
17Y15910T8RP600	15,94	11,5	11,25	3,15	1,15	60	0,10	T08	0,8-1,75	-	≥ M18	-	5	0,010	DS-T40L
17Y15920T6RP600	15,94	9,6	10,8	4,15	1,65	60	0,22	T06	1,75-3,0	-	≥ M20	-	5	0,017	DS-T25T
18Y19910TRRP600	19,94	16,0	17,2	3,30	1,35	60	0,11	T10	0,8-2,0	-	≥ M24	-	6	0,027	DS-T40L
18Y19920T8RP600	19,94	11,5	12,75	4,80	2,10	60	0,22	T08	1,75-3,0	-	≥ M24	-	6	0,024	DS-T40L
18Y19930T8RP600	19,94	11,5	12,75	4,80	2,10	60	0,31	T08	2,5-4,0	-	≥ M25	-	6	0,020	DS-T25T
17Y27750TRRP600	27,7	16,0	18,2	6,45	2,80	60	0,57	T10	4,5-6,0	-	≥ M38	-	5	0,056	DS-T40L
18Y27730TSRP600	27,7	16,0	22,5	5,45	2,30	60	0,34	T12	2,5-5,0	-	≥ M33	-	6	0,063	DS-T40L
17Y11911TQRP550	11,94	7,6	10,0	2,90	0,95	55	0,23	T06	-	11-14	-	G 1/2- G 7/8	5	0,010	DS-T20T
18Y11919TQRP550	11,94	7,6	10,0	2,90	0,95	55	0,11	T05	-	19-28	-	G 3/8	6	0,015	DS-T20T
18Y15980T6RP550	15,94	9,6	10,8	4,15	1,65	55	0,23	T06	-	8-14	-	G ≥ 1/2	5	0,017	DS-T25T

① = Screw driver / Tournevis

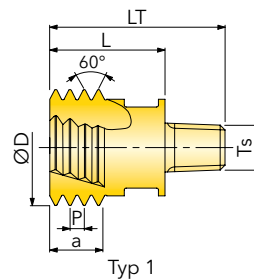
FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



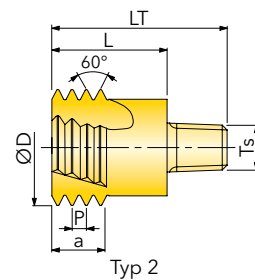
Typ 1



Typ 2



Typ 1



Typ 2

Grade / Nuance

IN2005

P	M	K	N _(K)	S _(M)	H _(PK)
+	+	+	○	+	○

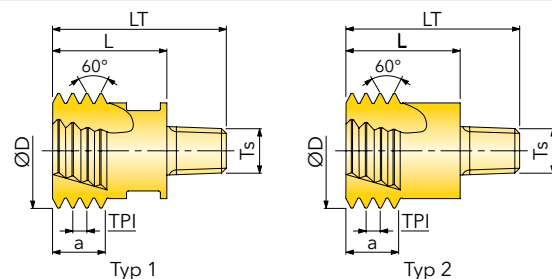
+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	LT	L	a	Ts	P	Pitch Pas	Pitch Pas	Typ	Z	kg	①
47Y075ISTQRA13	10	19,85	12,75	6	T5	0,75	-	≥ 12	1	4	0,010	WS-0043
47Y100ISTQRA13	10	19,85	12,75	6	T5	1	-	≥ 12	1	4	0,004	WS-0043
47Y150ISTQRA13	10	19,85	12,75	6	T5	1,5	-	≥ 14	1	4	0,010	WS-0043
47Y150IST6RA17-T	12	20,95	17,05	9	T6	1,5	-	≥ 16	2	4	0,020	DS-T25T
48Y150IST8RA21-T	16	27,95	20,85	12	T8	1,5	-	≥ 20	2	6	0,001	DS-T20T
47Y200IST6RA17-T	12	20,95	17,05	10	T6	2	M16	≥ 17	2	4	0,019	DS-T25T
47Y200IST8RA21-T	16	27,95	20,85	12	T8	2	-	≥ 19	2	5	0,040	DS-T30T
47Y250IST8RA20-T	15,4	27,95	20,85	12,5	T8	2,5	M20	≥ 22	2	5	0,038	DS-T30T
46Y300IST8RA21-T	16	27,95	20,85	12	T8	3	M24	≥ 25	2	3	0,008	DS-T30T

① = Wrench / Clé de serrage

CHIP SURFER THREADING CUTTER UNC / UNF / UNEF TYPE FRAISE À FILETER TYPE UNC / UNF / UNEF

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



Grade / Nuance	P	M	K	N _(K)	S _(M)	H _(P/K)
IN2005	+	+	+	○	+	○

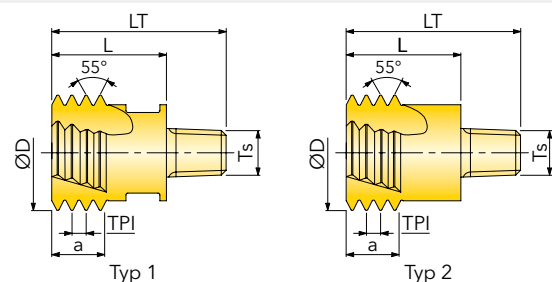
+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	LT	L	a	Ts	TPI	UNC	UNF	UNEF	Typ	Z	kg	①
47Y-24UNTQRA13	10	19,85	12,75	5,3	T5	24	-	-	9/16 - 5/8	1	4	0,010	WS-0043
47Y-20UNTQRA13	10	19,85	12,75	5,1	T5	20	-	1/2	-	1	4	0,010	WS-0043
47Y-18UNTQRA13	10	19,85	12,75	5,6	T5	18	-	9/16 - 5/8 1/8 - 1 5/8	-	1	4	0,010	WS-0043
47Y-16UNT6RA17-T	12	20,95	14,30	8,0	T6	16	-	3/4	-	2	4	0,019	DS-T25T
47Y-14UNT8RA21-T	16	20,95	20,85	12,7	T8	14	-	7/8	-	2	5	0,063	DS-T30T
47Y-12UNT8RA21-T	16	27,95	20,85	12,7	T8	12	-	1 - 1 1/2	-	2	5	0,041	DS-T30T
47Y-10UNT8RA21-T	15,3	27,95	20,85	12,7	T8	10	3/4	-	-	2	4	0,037	DS-T30T
46Y-09UNT8RA21-T	16	27,95	20,85	11,3	T8	9	7/8	-	-	2	3	0,063	DS-T30T

① = Wrench / Clé de serrage

CHIP SURFER THREADING CUTTER W TYPE FRAISE À FILETER TYPE W

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



Grade / Nuance	P	M	K	N _(K)	S _(M)	H _(P/K)
IN2005	+	+	+	○	+	○

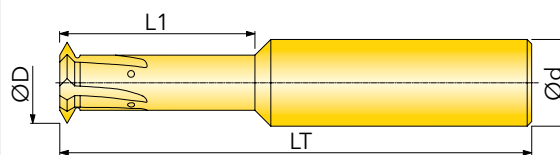
+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	LT	L	a	Ts	TPI	BSP	Typ	Z	kg	①
47Y-19WTQRA13	10	19,85	12,75	5,3	T5	19	G1/4 - 3/8	1	4	0,010	WS-0043
47Y-14WT8RA21-T	16	27,95	19,00	12,7	T8	14	G1/2 - 7/8	2	4	0,063	DS-T30T
47Y-11WT8RA21-T	16	27,95	19,00	11,6	T8	11	G ≥ 1	2	4	0,040	DS-T30T

① = Wrench / Clé de serrage

RAPIDTHREAD **THREADING CUTTER 60°** **FRAISE A FILETER 60°**

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

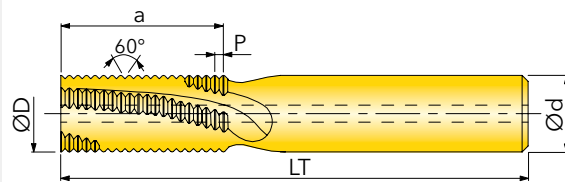
P
M
K
N_(K)
S_(M)
H_(PIK)

+ + + ○ + ○

D h6

Designation Réf. de l'article	D	d	LT	L1	Pi	Pi(TPI)	Pe	Pe(TPI)	Pitch Pas	Z		
MTECI 0605D20 A60	5	6	58	20	0,5-0,8	56-32	0,4-0,8	64-36	≥ 6	4	✓	0,018
MTECI 0808D28 A60	8	8	64	28	0,5-0,8	56-32	0,4-0,8	64-36	≥ 9	4	✓	0,026
MTECI 0808D30 A60	8	8	64	30	1-1,75	28-14	0,8-1,5	32-16	≥ 10	4	✓	0,037
MTECI 1010D35 A60	10	10	73	35	1-1,75	28-14	0,8-1,5	32-16	≥ 12	4	✓	0,100
MTECI 1212E40 A60	12	12	84	40	2-3	13-8	1,75-2,5	15-10	≥ 16	5	✓	0,100
MTECI 1614E45 A60	14	16	101	45	2-3	13-8	1,75-2,5	15-10	≥ 18	5	✓	0,201
MTECI 1616E50 A60	16	16	101	50	2-3	13-8	1,75-2,5	15-10	≥ 20	5	✓	0,321

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P **M** **K** **N_(K)** **S_(M)** **H_(PK)**
+ + + ○ +

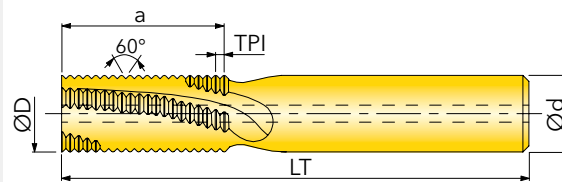
D h6

+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	d	LT	a	P	Pitch Pas	Pitch Pas	Z		
MTECB 06038C10 0.5ISO	3,8	6	58	10,3	0,5	-	≥ 5	3	✓	0,019
MTECB 06031C7 0.7ISO	3,1	6	58	7,4	0,7	M4	≥ 5	3	✓	0,020
MTECB 06045C10 0.75ISO	4,5	6	58	10,1	0,75	-	≥ 6	3	✓	0,020
MTECB 06038C9 0.8 ISO	3,8	6	58	9,2	0,8	M5	≥ 6	3	✓	0,019
MTECB 06046C10 1.0ISO	4,6	6	58	10,5	1	M6	≥ 7	3	✓	0,019
MTECB 06046C14 1.0ISO	4,6	6	58	14,5	1	M6	≥ 7	3	✓	0,019
MTECB 0606C12 1.0ISO	6	6	58	12,5	1	-	≥ 9	3	✓	0,004
MTECB 1010D24 1.0ISO	10	10	73	24,5	1	-	≥ 12	4	✓	0,068
MTECB 0808D16 1.0ISO	8	8	64	16,5	1	-	≥ 10	4	✓	0,041
MTECB 0606C14 1.25ISO	6	6	58	14,4	1,25	M8	≥ 10	3	✓	0,020
MTECB 0606C19 1.25ISO	6	6	58	19,4	1,25	M8	≥ 10	3	✓	0,018
MTECB 08078C17 1.5ISO	7,8	8	64	17	1,5	M10	≥ 12	3	✓	0,038
MTECB 08078C24 1.5ISO	7,8	8	64	24,8	1,5	M10	≥ 12	3	✓	0,043
MTECB 1010D21 1.5ISO	10	10	73	21,8	1,5	-	≥ 14	4	✓	0,073
MTECB 1212D26 1.5ISO	12	12	84	26,3	1,5	-	≥ 16	4	✓	0,119
MTECB 1616F33 1.5ISO	16	16	105	33,8	1,5	-	≥ 20	6	✓	0,258
MTECB 1009C20 1.75ISO	9	10	73	20,1	1,75	M12	≥ 12	3	✓	0,067
MTECB 1009C28 1.75ISO	9	10	73	28,9	1,75	M12	≥ 12	3	✓	0,059
MTECB 1010C27 2.0ISO	10	10	73	27	2	M14	≥ 15	3	✓	0,064
MTECB 12118D27 2.0ISO	11,8	12	84	27	2	M16	≥ 17	4	✓	0,109
MTECB 12118D39 2.0ISO	11,8	12	84	39	2	M16	≥ 17	4	✓	0,138
MTECB 1615E33 2.5ISO	15	16	105	33,8	2,5	M20	≥ 22	5	✓	0,244
MTECB 1615E48 2.5ISO	15	16	105	48,8	2,5	M20	≥ 22	5	✓	0,222
MTECB 2018D58 3.0ISO	18	20	120	58,5	3	M24	≥ 25	4	✓	0,381

RAPID THREAD SOLID CARBIDE UN-THREADING (WITH CENTRAL INTERNAL COOLANT) FRAISE A FILETER CARBURE MONO UN (AVEC ARROSAGE INTERNE)

ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT DIN 1835 A



Grade / Nuance

IN2005

P M K N_(K) S_(M) H_(P/K)
 + + + ○ +

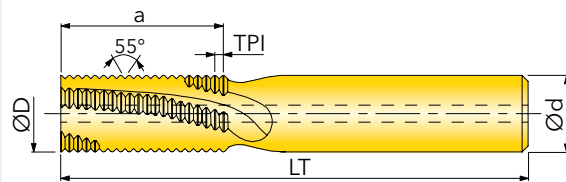
+ Preferred choice / Premier choix ○ Second choice / Second choix

D h6

Designation Réf. de l'article	D	d	LT	a	TPI	UNC	UNF	UNEF	Z	IK	kg
MTECB 06032C6 32UN	3,2	6	58	6,8	32	8	10	12	3	✓	0,004
MTECB 0606C14 32UN	6	6	58	14,7	32	-	-	5/16	3	✓	0,023
MTECB 0605C11 28UN	5	6	58	11,3	28	-	1/4	-	3	✓	0,020
MTECB 08066C14 24UN	6,6	8	64	14,3	24	-	5/16	-	3	✓	0,004
MTECB 0808D21 24UN	8	8	64	20,6	24	-	3/8	9/16 - 5/8	4	✓	0,004
MTECB 0808C21 20UN	8	8	64	21	20	-	7/16	-	3	✓	0,037
MTECB 1010D22 20UN	10	10	73	22,3	20	-	1/2	-	4	✓	0,072
MTECB 06056C14 18UN	5,6	6	58	14,8	18	5/16	-	-	3	✓	0,004
MTECB 12113D26 18UN	11,3	12	84	26,1	18	-	9/16 - 5/8	1/8 - 1 5/8	4	✓	0,028
MTECB 08067C16 16UN	6,7	8	64	16,7	16	3/8	-	-	3	✓	0,035
MTECB 08077C20 14UN	7,7	8	64	20,9	14	7/16	-	-	3	✓	0,004
MTECB 10092C22 13UN	9,2	10	73	22,5	13	1/2	-	-	3	✓	0,004
MTECB 16144D34 10UN	14,4	16	105	34,3	10	3/4	-	-	4	✓	0,004
MTECB 20195D42 8UN	19,5	20	105	42,9	8	1	-	-	4	✓	0,374

RAPIDTHREAD SOLID CARBIDE BSP-THREADING (WITH CENTRAL INTERNAL COOLANT) FRAISE À FILETER CARBURE MONO BSP (AVEC ARROSAGE INTERNE)

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P M K N_(K) S_(M) H_(P/K)
 + + + ○ +

+ Preferred choice / Premier choix ○ Second choice / Second choix

D h6

Designation

Réf. de l'article

D

d

LT

a

TPI

BSP

Z



MTECB 08078C14 28W

7,8

8

64

14,1

28

G1/8

3



0,039

MTECB 1010D16 19W

10

10

73

16,7

19

G1/4 - 3/8

4



0,072

MTECB 1616E26 14W

16

16

105

26,3

14

G1/2 - 7/8

5



0,263

MTECB 1616D38 11W

16

16

105

38,1

11

G ≥ 1

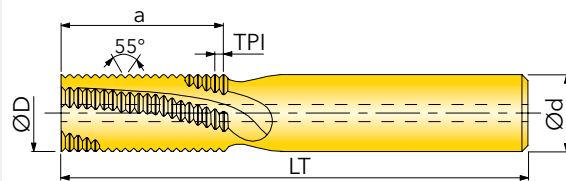
4



0,244

RAPIDTHREAD SOLID CARBIDE BSPT-THREADING (WITH CENTRAL INTERNAL COOLANT) FRAISE À FILETER CARBURE MONO BSPT (AVEC ARROSAGE INTERNE)

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P M K N_(K) S_(M) H_(P/K)
 + + + ○ +

+ Preferred choice / Premier choix ○ Second choice / Second choix

D h6

Designation

Réf. de l'article

D

d

LT

a

TPI

BSPT

Z



MTECB 08078C14 28BSPT

7,8

8

64

14,1

28

RC1/8

4



0,004

MTECB 1010D16 19BSPT

10

10

73

16,7

19

RC1/4 - 3/8

4



0,004

MTECB 1616E26 14BSPT

16

16

105

26,3

14

RC1/2 - 7/8

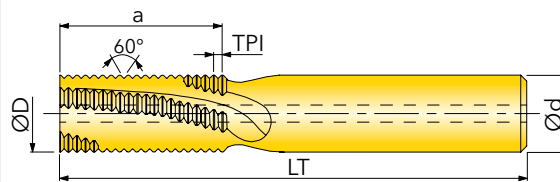
4



0,258

RAPIDTHREAD SOLID CARBIDE NPT-THREADING (WITH CENTRAL INTERNAL COOLANT) FRAISE A FILETER CARBURE MONO NPT (AVEC ARROSAGE INTERNE)

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P

M

K

N_(K)

S_(M)

H_(P/K)

D

h6

+ Preferred choice / Premier choix O Second choice / Second choix

Designation

Réf. de l'article

D

d

LT

a

TPI

NPT

Z



MTECB 08076C10 27NPT

7,6

8

64

10,8

27

1/8

3



0,004

MTECB 1010D16 18NPT

10

10

73

16,2

18

1/4 - 3/8

4



0,071

MTECB 16155D22 14NPT

15,5

16

105

22,7

14

1/2 - 3/4

4



0,004

MTECB 2020D39 8NPT

20

20

105

39,7

8

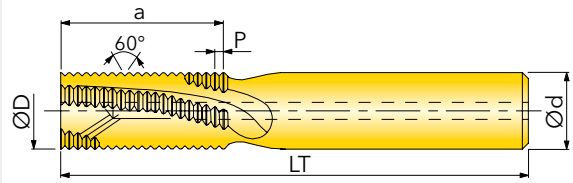
≥ 2 1/2

4



0,370

ADAPTION ACC. TO DIN 6535 HA
 ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P **M** **K** **N**_(K) **S**_(M) **H**_(PK)
 + + + ○ +

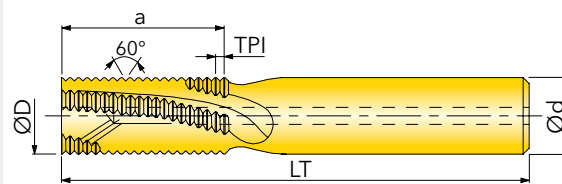
D h6

+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	d	LT	a	P	Pitch Pas	Pitch Pas	Z	✓	kg
MTECZ 06048C10 1.0ISO	4,8	6	58	10,5	1	M6	≥ 7	3	✓	0,023
MTECZ 0606C12 1.0ISO	6	6	58	12,5	1	-	≥ 9	3	✓	0,003
MTECZ 0808D16 1.0ISO	8	8	64	16,5	1	-	≥ 10	4	✓	0,036
MTECZ 0606C14 1.25ISO	6	6	58	14,4	1,25	M8	≥ 10	3	✓	0,003
MTECZ 0606C19 1.25ISO	6	6	58	19,4	1,25	M8	≥ 10	3	✓	0,003
MTECZ 08078C17 1.5ISO	7,8	8	64	17	1,5	M10	≥ 12	3	✓	0,036
MTECZ 1010D21 1.5ISO	10	10	73	21,8	1,5	-	≥ 14	4	✓	0,065
MTECZ 1212D26 1.5ISO	12	12	84	26,3	1,5	-	≥ 16	4	✓	0,003
MTECZ 1616E33 1.5ISO	16	16	101	33,8	1,5	-	≥ 20	5	✓	0,236
MTECZ 1009C20 1.75ISO	9	10	73	20,1	1,75	M12	≥ 12	3	✓	0,003
MTECZ 1009C28 1.75ISO	9	10	73	28,9	1,75	M12	≥ 12	3	✓	0,003
MTECZ 1010C27 2.0ISO	10	10	73	27	2	M14	≥ 15	3	✓	0,003
MTECZ 12118D27 2.0ISO	11,8	12	84	27	2	M16	≥ 17	4	✓	0,003

RAPIDTHREAD SOLID CARBIDE UN-THREADING (WITH INTERNAL COOLANT IN THE FLUTES) FRAISE À FILETER CARBURE MONO UN (ARROSAGE DEBOUCHANT DANS LES GOUJURES)

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P M K N_(K) S_(M) H_(P/K)
 + + + ○ +

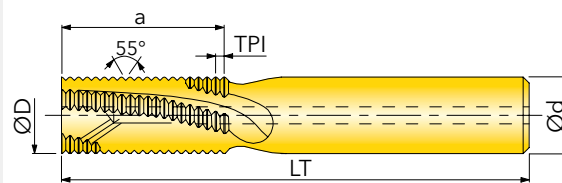
+ Preferred choice / Premier choix ○ Second choice / Second choix

D h6

Designation Réf. de l'article	D	d	LT	a	TPI	UNC	UNF	UNEF	Z		
MTECZ 1010D22 20UN	10	10	73	22,3	20	-	1/2	-	4	✓	0,003
MTECZ 12113D26 18UN	11,3	12	84	26,1	18	-	9/16 - 5/8 1/8 - 1 5/8	-	4	✓	0,003
MTECZ 08067C16 16UN	6,7	8	64	16,7	16	3/8	-	-	3	✓	0,006
MTECZ 16144D34 10UN	14,4	16	101	34,3	10	3/4	-	-	4	✓	0,217

RAPIDTHREAD SOLID CARBIDE BSP-THREADING (WITH INTERNAL COOLANT IN THE FLUTES) FRAISE À FILETER CARBURE MONO BSP (ARROSAGE DEBOUCHANT DANS LES GOUJURES)

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P M K N_(K) S_(M) H_(P/K)
 + + + ○ +

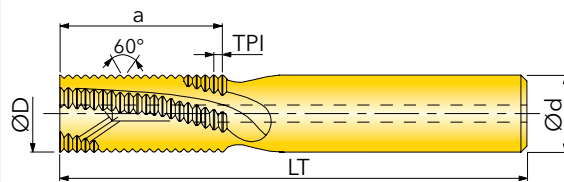
+ Preferred choice / Premier choix ○ Second choice / Second choix

D h6

Designation Réf. de l'article	D	d	LT	a	TPI	BSP	Z		
MTECZ 08078C14 28W	7,8	8	64	14,1	28	G1/8	3	✓	0,003
MTECZ 1010D16 19W	10	10	73	16,7	19	G1/4 - 3/8	4	✓	0,003
MTECZ 1616E26 14W	16	16	101	26,3	14	G1/2 - 7/8	5	✓	0,003
MTECZ 1616D38 11W	16	16	101	38,1	11	G ≥ 1	4	✓	0,003

RAPIDTHREAD SOLID CARBIDE NPT-THREADING (WITH INTERNAL COOLANT IN THE FLUTES) FRAISE À FILETER CARBURE MONO NPT (ARROSAGE DEBOUCHANT DANS LES GOUJURES)

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P M K N_(K) S_(M) H_(P/K)
+ + + ○ +

+ Preferred choice / Premier choix ○ Second choice / Second choix

D h6

Designation

Réf. de l'article

D d LT a TPI NPT Z



MTECZ 08076C10 27NPT

7,6

8

64

10,8

27

1/8

3



0,003

MTECZ 1010D16 18NPT

10

10

73

16,2

18

1/4 - 3/8

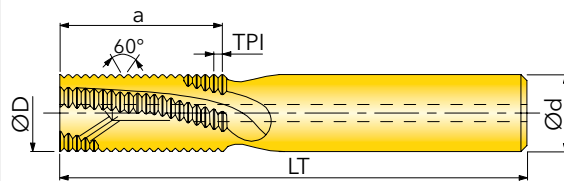
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0,003

RAPIDTHREAD SOLID CARBIDE NPTF-THREADING (WITH INTERNAL COOLANT IN THE FLUTES) FRAISE À FILETER CARBURE MONO NPTF (ARROSAGE DEBOUCHANT DANS LES GOUJURES)

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P M K N_(K) S_(M) H_(P/K)
+ + + ○ +

+ Preferred choice / Premier choix ○ Second choice / Second choix

D h6

Designation

Réf. de l'article

D d LT a TPI NPTF Z



MTECZ 08076C10 27NPTF

7,6

8

64

10,8

27

1/8

3



0,006

MTECZ 1010D16 18NPTF

10

10

73

16,2

18

1/4 - 3/8

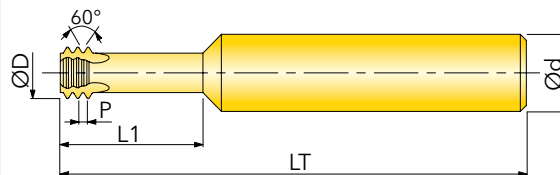
4



0,003

RAPIDTHREAD SOLID CARBIDE SHORT ISO-THREADING INTERNAL FRAISE À FILETER SÉRIE COURTE CARBURE MONO ISO FILETAGE INTÉRIEUR

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P
M
K
N_(K)
S_(M)
H_(PK)

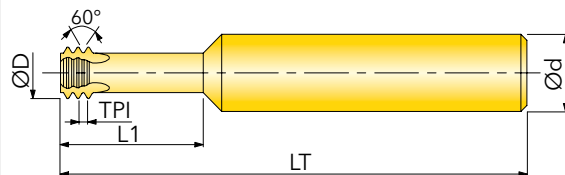
+ Preferred choice / Premier choix O Second choice / Second choix

D h6

Designation Réf. de l'article	D	d	LT	L1	P	Std. pitch	Z	kg
MTECS 03011C4 0.3ISO	1,05	3	39	4	0,3	M1,4	3	0,010
MTECS 03012C5 0.35ISO	1,2	3	39	5	0,35	M1,6	3	0,003
MTECS 06016C4 0.4ISO	1,55	6	58	4,5	0,4	M2	3	0,020
MTECS 03016C6 0.4ISO	1,55	3	39	6	0,4	M2	3	0,020
MTECS 06017C5 0.45ISO	1,65	6	58	5	0,45	M2,2	3	0,020
MTECS 0602C5 0.45ISO	1,95	6	58	5,5	0,45	M2,5	3	0,020
MTECS 0602C7 0.45ISO	1,95	6	58	7,5	0,45	M2,5	3	0,019
MTECS 06024C6 0.5ISO	2,35	6	58	6,5	0,5	M3	3	0,020
MTECS 06024C9 0.5ISO	2,35	6	58	9,5	0,5	M3	3	0,019
MTECS 06028C7 0.6ISO	2,75	6	58	7,5	0,6	M3,5	3	0,020
MTECS 06031C9 0.7ISO	3,1	6	58	9	0,7	M4	3	0,020
MTECS 06031C12 0.7ISO	3,1	6	58	12,5	0,7	M4	3	0,018
MTECS 06038C12 0.8ISO	3,8	6	58	12,5	0,8	M5	3	0,019
MTECS 06038C16 0.8ISO	3,8	6	58	16	0,8	M5	3	0,018
MTECS 06047C14 1.0ISO	4,65	6	58	14	1	M6	3	0,019
MTECS 06047C20 1.0ISO	4,65	6	58	20	1	M6	3	0,017
MTECS 0606C18 1.25ISO	5,95	6	58	18	1,25	M8	3	0,020
MTECS 0606C24 1.25ISO	5,95	6	58	24	1,25	M8	3	0,018
MTECS 08078C23 1.5ISO	7,8	8	64	23	1,5	M10	3	0,038
MTECS 1009C26 1.75ISO	9	10	73	26	1,75	M12	3	0,065
MTECS 12118D35 2.0ISO	11,8	12	84	35	2	M16	4	0,112
MTECS 1615E43 2.5ISO	15	16	105	43	2,5	M20	5	0,232

RAPIDTHREAD SOLID CARBIDE SHORT UN-THREADING INTERNAL FRAISE À FILETER SÉRIE COURTE CARBURE MONO UN FILETAGE INTÉRIEUR

ADAPTION ACC. TO DIN 6535 HA
 ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P M K N_(K) S_(M) H_(PK)
 + + + ○ +

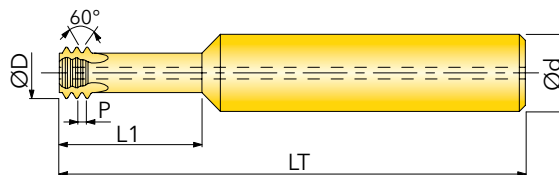
D h6

+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	d	LT	L1	TPI	UNC	UNF	Z	kg
MTECS 06019C5 48UN	1,9	6	58	5,2	48	3	4	3	0,021
MTECS 06021C6 40UN	2,1	6	58	6,3	40	4	-	3	0,020
MTECS 06024C9 40UN	2,45	6	58	9,6	40	5	6	3	0,004
MTECS 06033C9 36UN	3,3	6	58	9	36	-	8	3	0,004
MTECS 06025C7 32UN	2,55	6	58	7,1	32	6	-	3	0,020
MTECS 06032C9 32UN	3,2	6	58	9,5	32	8	-	3	0,019
MTECS 06032C12 32UN	3,2	6	58	12,5	32	8	-	3	0,018
MTECS 06037C10 32UN	3,7	6	58	10,5	32	-	10	3	0,050
MTECS 06037C15 32UN	3,7	6	58	15	32	-	10	3	0,018
MTECS 0605C14 28UN	5	6	58	14,5	28	-	1/4	3	0,020
MTECS 0605C19 28UN	5	6	58	19	28	-	1/4	3	0,021
MTECS 06035C10 24UN	3,5	6	58	10,6	24	10;12	-	3	0,019
MTECS 08066C17 24UN	6,6	8	64	17	24	-	5/16 3/8	3	0,038
MTECS 08066C24 24UN	6,6	8	64	24	24	-	5/16 3/8	3	0,035
MTECS 06047C14 20UN	4,75	6	58	14	20	1/4	-	3	0,019
MTECS 0808C25 20UN	8	8	64	25	20	-	7/16	3	0,043
MTECS 06047C19 20UN	4,75	6	58	19	20	1/4	-	3	0,017
MTECS 0606C17 18UN	6	6	58	17	18	5/16	-	3	0,019
MTECS 0606C23 18UN	6	6	58	23	18	5/16	-	3	0,018
MTECS 08067C22 16UN	6,7	8	64	22	16	3/8	-	3	0,035
MTECS 08077C25 14UN	7,7	8	64	25	14	7/16	-	3	0,035
MTECS 10092C27 13UN	9,2	10	73	27,5	13	1/2	-	3	0,065
MTECS 12114C34 11UN	11,4	12	84	34,5	11	5/8	-	3	0,010

RAPIDTHREAD SOLID CARBIDE SHORT UNJ-THREADING INTERNAL FRAISE A FILETER SERIE COURTE CARBURE MONO UNJ FILETAGE INTÉRIEUR

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P
M
K
N_(K)
S_(M)
H_(P/K)

+ Preferred choice / Premier choix O Second choice / Second choix

D h6

Designation
Réf. de l'article

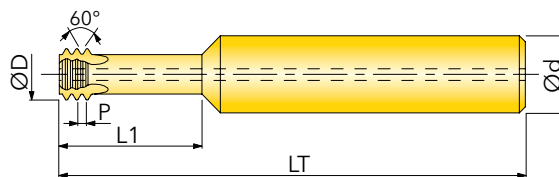
D d LT L1 TPI UNJC UNJF Z



MTECS06033C10 32UNJ	3,3	6	58	10,5	32	8	10	3	0,019
MTECS08051C16 28UNJ	5,1	8	64	16,0	28	-	1/4	3	✓ 0,035
MTECS08067C20 24UNJ	6,7	8	64	20,0	24	-	5/16,3/8	3	✓ 0,035
MTECS06049C16 20UNJ	4,9	6	58	16,0	20	1/4	-	3	0,017
MTECS0808C28 20UNJ	8,0	8	64	28,0	20	-	7/16	3	✓ 0,036
MTECS08061C20 18UNJ	6,15	8	64	20,0	18	5/16	6/16	3	✓ 0,033
MTECS08069C24 16UNJ	6,9	8	64	24,0	16	3/8	-	3	✓ 0,033
MTECS10094C27 13UNJ	9,4	10	73	27,5	13	1/2	-	3	0,062

RAPIDTHREAD SOLID CARBIDE SHORT MJ-THREADING INTERNAL FRAISE A FILETER SERIE COURTE CARBURE MONO MJ FILETAGE INTÉRIEUR

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P
M
K
N_(K)
S_(M)
H_(P/K)

+ Preferred choice / Premier choix O Second choice / Second choix

D h6

Designation
Réf. de l'article

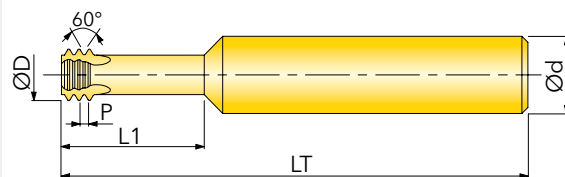
D d LT L1 P MJ Z



MTECS06032C10 0.7MJ	3,2	6	58	10,0	0,7	4	3	0,019
MTECS06039C12 0.8MJ	3,9	6	58	12,5	0,8	5	3	0,019
MTECS06048C15 1.0MJ	4,8	6	58	15,0	1,0	6	3	0,017
MTECS08061C20 1.25MJ	6,1	8	64	20,0	1,25	8	3	✓ 0,033
MTECS0808C25 1.5MJ	8,0	8	64	25,0	1,5	10	3	✓ 0,036
MTECS10092C30 1.75MJ	9,2	10	73	30,0	1,75	12	3	✓ 0,061
MTECS1010C35 2.0MJ	10	10	73	35,0	2,0	14-16	3	✓ 0,060

RAPID THREAD SOLID CARBIDE SHORT ISO-THREADING INTERNAL (LEFT VERSION)
 FRAISE À FILETER SERIE COURTE CARBURE MONO ISO-INTÉRIEUR (VERSION À GAUCHE)

ADAPTION ACC. TO DIN 6535 HA
 ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2006

P M K N_(K) S_(M) H_(PK)
 + + + + +

D h6

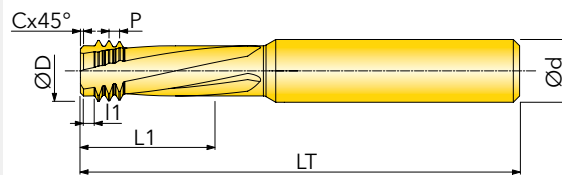


+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	d	LT	L1	P	Pitch Pas	Z	kg
MTECSH 06016C4 0.4ISO	1,55	6	58	4,5	0,4	M2	3	0,020
MTECSH 06017C5 0.45ISO	1,65	6	58	5	0,45	M2,2	3	0,020
MTECSH 0602C5 0.45ISO	1,95	6	58	5,5	0,45	M2,5	3	0,020
MTECSH 0602C7 0.45ISO	1,95	6	58	7,5	0,45	M2,5	3	0,019
MTECSH 06024C6 0.5ISO	2,35	6	58	6,5	0,5	M3	3	0,020
MTECSH 06024C9 0.5ISO	2,35	6	58	9,5	0,5	M3	3	0,019
MTECSH 06028C7 0.6ISO	2,75	6	58	7,5	0,6	M3,5	3	0,020
MTECSH 06031C9 0.7ISO	3,1	6	58	9	0,7	M4	3	0,019
MTECSH 06031C12 0.7ISO	3,1	6	58	12,5	0,7	M4	3	0,018
MTECSH 06038C12 0.8ISO	3,8	6	58	12,5	0,8	M5	3	0,019
MTECSH 06038C16 0.8ISO	3,8	6	58	16	0,8	M5	3	0,017
MTECSH 06047C14 1.0ISO	4,65	6	58	14	1	M6	3	0,019
MTECSH 06047C20 1.0ISO	4,65	6	58	20	1	M6	3	0,017
MTECSH 0606C18 1.25ISO	5,95	6	58	18	1,25	M8	3	0,019
MTECSH 0606C24 1.25ISO	5,95	6	58	24	1,25	M8	3	0,018
MTECSH 08078C23 1.5ISO	7,8	8	64	23	1,5	M10	3	0,037
MTECSH 1009C26 1.75ISO	9	10	73	26	1,75	M12	3	0,063
MTECSH 12118D35 2.0ISO	11,8	12	84	35	2	M16	4	0,108
for hard milling / pour fraisage dur								

RAPID THREAD SOLID CARBIDE SHORT ISO-THREADING / DRILLING INTERNAL (LEFT VERSION) FRAISE À PERCER & FILETER CARBURE MONOBLOC-ISO (VERSION À GAUCHE)

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2005

P
M
K
N_(K)
S_(M)
H_(PK)

+ Preferred choice / Premier choix O Second choice / Second choix

D h6



Designation

Réf. de l'article

D d LT L1 l1 C P Pitch Pas Z

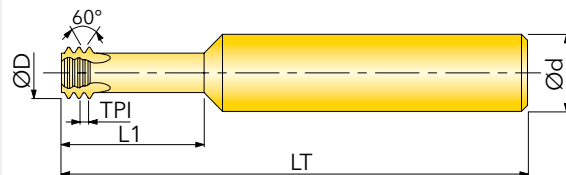


MTECD 06032C11 0.7ISO	3,15	6	58	11,6	0,7	0,2	0,70	M4	3	0,019
MTECD 0604C14 0.8ISO	4,0	6	58	14,4	0,8	0,3	0,80	M5	3	0,026
MTECD 08047C14 1.0ISO	4,7	8	64	14,0	1,0	0,4	1,00	M6-M9	3	✓ 0,035
MTECD 08061D18 1.25ISO	6,1	8	64	18,0	1,3	0,5	1,25	M8-M12	4	✓ 0,035
MTECD 08078D23 1.5ISO	7,8	8	64	23,0	1,5	0,6	1,50	M10-M15	4	✓ 0,010
MTECD 1009D26 1.75ISO	9,0	10	73	26,0	1,8	0,6	1,75	M12	4	✓ 0,075
MTECD 12118D35 2.0ISO	11,8	12	84	35,0	2,0	0,6	2,00	M16-M23	4	✓ 0,116

for hard milling / pour fraisage dur

RAPID THREAD SOLID CARBIDE SHORT UN-THREADING INTERNAL (LEFT VERSION) FRAISE À FILETER SÉRIE COURTE UN FILETAGE INTÉRIEUR (VERSION À GAUCHE)

ADAPTION ACC. TO DIN 6535 HA
ATTACHEMENT DIN 6535 HA



Grade / Nuance

IN2006

P M K N_(K) S_(M) H_(PK)
 + + + + +

D

h6



+ Preferred choice / Premier choix ○ Second choice / Second choix

Designation Réf. de l'article	D	d	LT	L1	TPI	UNC	UNF	Z	kg
MTECSH 06012C4 80UN	1,15	6	58	4	80	-	0	3	0,024
MTECSH 06019C5 48UN	1,9	6	58	5,2	48	3	4	3	0,020
MTECSH 06021C6 40UN	2,1	6	58	6,3	40	4	-	3	0,019
MTECSH 06024C7 40UN	2,45	6	58	7	40	5	6	3	0,023
MTECSH 06032C9 32UN	3,2	6	58	9,5	32	8	-	3	0,019
MTECSH 06032C12 32UN	3,2	6	58	12,5	32	8	-	3	0,022
MTECSH 06037C10 32UN	3,7	6	58	10,5	32	-	10	3	0,019
MTECSH 06037C15 32UN	3,7	6	58	15	32	-	10	3	0,018
MTECSH 06042C11 28UN	4,2	6	58	11	28	-	12	3	0,023
MTECSH 0605C14 28UN	5	6	58	14,5	28	-	1/4	3	0,019
MTECSH 0605C19 28UN	5	6	58	19	28	-	1/4	3	0,022
MTECSH 06035C10 24UN	3,5	6	58	10,6	24	10;12	-	3	0,019
MTECSH 08066C17 24UN	6,6	8	64	17	24	-	5/16	3	0,037
MTECSH 08066C24 24UN	6,6	8	64	24	24	-	5/16	3	0,034
MTECSH 06047C19 20UN	4,75	6	58	19	20	1/4	-	3	0,017
MTECSH 0606C17 18UN	6	6	58	17	18	5/16	-	3	0,023
MTECSH 1212D35 18UN	12	12	84	35	18	-	5/8	4	0,003
MTECSH 0606C23 18UN	6	6	58	23	18	5/16	-	3	0,018
MTECSH 08067C22 16UN	6,7	8	64	22	16	3/8	-	3	0,034
MTECSH 10092C27 13UN	9,2	10	73	27,5	13	1/2	-	3	0,064

for hard milling / pour fraisage dur

ADAPTIONS / ATTACHMENTS

	Adaptions / Attachements	Code / Série	Page
	TriLink Adaption with Cylindrical Shank TriLink - Attachement à queue cylindrique		552
	TriLink Adaption with TopOn Shank TriLink - Attachement vissé		552
	HSK-Adaption HSK 50...100 - modular Attachement HSK 50...100 - Modulaire		553
	Taper Adaption DIN 69871 - Modular Attachement DIN69871 - Modulaire		553
	Taper Adaption BT40/50 - modular Attachement BT40/50 - Modulaire		554
	Taper Adaption DIN 2080 - modular Attachement DIN2080 - Modulaire		554
	CPT Adaption Attachement CPT - Modulaire		555
	Weldon / Whistle-Notch Adaption Attachement weldon / whistle-notch		556
	Extension Z4Z4 / Z5Z5 Rallonge Z4Z4 / Z5Z5		557
	Reduction Z5Z4 Réduction Z5Z4		558
	Center Pin Z4SM / Z5SM Attachement porte-fraise Z4SM / Z5SM		559
	Center Pin anti vibration Z4SM/Z5SM Allonge antivibratoire Z4SM/Z5SM		560
	Screw-in Type Mandrin Porte fraises à visser		561
	Cylindrical steel shank Rallonge cylindrique en acier		562

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

ADAPTIONS / ATTACHMENTS

	Adaptions / Attachements	Code / Série	Page
	Cylindrical steel shank with IC central Rallonge cylindrique en acier avec arrosage central		563
	Cylindrical carbide shank with IC parallel Rallonge cylindrique en carbure avec arrosage central sur collerette		564
	Cylindrical carbide shank Rallonge cylindrique en carbure		565
	Cylindrical carbide shank with IC central Rallonge cylindrique en carbure avec arrosage central		566
	Cylindrical heavy metal shank Rallonge cylindrique en metal lourd		567
	Conical steel shank Rallonge conique en acier		568
	Conical carbide shank Rallonge conique en carbure		569
	Conical heavy metal shank Rallonge conique en metal lourd (tête vissée)		570
	HSK-A63 Adaption HSK-A63 mandrin porte fraise Chip-Surfer		571
	DIN 69871-A40 Adaption DIN 69871-A40 mandrin porte fraise Chip-Surfer		571
	PSK-Adaption PSK mandrin porte fraise Chip-Surfer		572
	ER32... conical Spring Collets ER32... Pincas conique		573
	ER32.. Short Spring Collets with IC ER32.. Pincas fileté avec trous de lub		573
	ER..SA_ cylindrical Spring Collets ER..SA_ Pincas cylindrique		574

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.



ADAPTIONS / ATTACHMENTS

	Adaptions / Attachements	Code / Série	Page
	Carbide Extension TS Rallonge carbure TS	CHIPSURFER	575
	Extension for metric thread Adaptateur pour filetage metrique	CHIPSURFER	575
	Cylindrical steel shank Rallonge cylindrique en acier	MULTISURFER	576
	Slotting & Threading Holders Attachement pour fraises disques et fraises à fileter	MULTISURFER	576
	HSK-A63/100 Shell end mill arbors big collar HSK-A63/100 mandrin porte fraise grande face d'appui	TOOLYN	577
	HSK-A63/100 Shell End Mill Arbors extra long HSK-A63/100 mandrin porte fraise à alésage extra long	TOOLYN	578
	HSK-A63 Screw-In Type HSK-A63 mandrin porte fraise à visser	TOOLYN	579
	HSK-A100 Screw-IN Type HSK-A100 mandrin porte fraise à visser	TOOLYN	580
	HSK-63/100 End Mill Weldon HSK-63/100 mandrin porte fraise à queue weldon	TOOLYN	581
	HSK-63/100 End Mill Whistle-Notch HSK-63/100 mandrin porte fraise Whistle-Notch	TOOLYN	582
	HSK-63/100 Collet chucks ER16/20 HSK-63/100 mandrin a pince ER16/20	TOOLYN	583
	HSK-63/100 Collet chucks ER25-50 HSK-63/100 mandrin a pince ER25-50	TOOLYN	584
	HSK-A 63 Shrink In (inductive) HSK-A 63 mandrin de frettage (induction)	TOOLYN	585
	HSK-A 100 Shrink In (inductive) HSK-A 100 mandrin de frettage (induction)	TOOLYN	586

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

ADAPTIONS / ATTACHMENTS

	Adaptions / Attachements	Code / Série	Page
	HSK-63/100 Hydraulic Expansion Chucks HSK-63/100 mandrin à pince hydraulique	TOOL 	587
	HSK-63 / 100 high precision ultra tight adaption HSK-63 / 100 Attachement haute précision fort serrage	TOOL 	588
	ISO 40/50 DIN69871A Combi Arbors ISO 40/50 DIN69871A mandrin porte fraise combiné	TOOL 	589
	ISO 40/50 DIN69871A Shell End Mill Arbors big collar ISO 40/50 DIN69871A mandrin porte fraise à alésage	TOOL 	590
	ISO 40/50 DIN69871A Shell End Mill Arbors ISO 40/50 DIN69871A mandrin porte fraise à alésage	TOOL 	591
	ISO 40/50 DIN69871A Shell End Mill Arbors "extra long" ISO 40/50 DIN69871A mandrin porte fraise à alésage "extra long"	TOOL 	592
	ISO 40 DIN69871AD+B Screw-In Type ISO 40 DIN69871AD+B mandrin porte fraises à visser	TOOL 	593
	ISO 50 DIN69871AD+B Screw-In Type ISO 50 DIN69871AD+B mandrin porte fraises à visser	TOOL 	594
	ISO 40/50 DIN69871AD End Mill Weldon ISO 40/50 DIN69871AD mandrin porte fraise à queue weldon	TOOL 	595
	ISO 40/50 DIN69871AD End Mill Whistle-Notch ISO 40/50 DIN69871AD mandrin porte fraise Whistle-Notch	TOOL 	596
	ISO 40/50 DIN69871AD Collet Chucks ER16/20 ISO 40/50 DIN69871AD mandrin à pince ER16/20	TOOL 	597
	ISO 40/50 DIN69871AD Collet Chucks ER25-50 ISO 40/50 DIN69871AD mandrin à pince ER25-50	TOOL 	598
	ISO 40/50 DIN69871AD Shrink In (inductive) ISO 40/50 DIN69871AD mandrin de frettage (induction)	TOOL 	599
	ISO 40/50 DIN69871AD+B Hydraulic Expansion Chucks ISO 40/50 DIN69871AD+B Mandrin à pinces hydraulique	TOOL 	600

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.



ADAPTIONS / ATTACHMENTS

	Adaptions / Attachements	Code / Série	Page
	DIN 69871-AD/B40/50 high precision ultra tight adaption DIN 69871-AD/B40/50 Attachement fort serrage haute précision	TOOLYN	601
	Steel Extension Cylindrical/Conical (Screw-In Type) Rallonge acier cylindrique / conique (tête vissée)	TOPCON	601
	Heavy Metal Extension - cylindrical (Screw-In Type) Rallonge en métal lourd cylindrique (tête vissée)	TOPCON	602
	Solid Carbide Extension - Cylindrical (Screw-In Type) Rallonge cylindrique en carbure (tête vissée)	TOPCON	603
	Anti-Vibration extension cylindrical (Screw-In Type) Rallonge cylindrique anti-vibrations (tête vissée)	TOPCON	604
	Heavy Metal Extension - conical (Screw-In Type) Rallonge en métal lourd conique (tête vissée)	TOPCON	605
	Carbide Extension - Conical (Screw-In Type) Rallonge conique en carbure (tête vissée)	TOPCON	605
	Extension Rallonge	TOPCON	606
	Reduction (Screw-In Type) Réducteur (tête vissée)	TOPCON	606
	Adaption modular Adaptateur Modulaire	WINCUT	607
	ER11 Spring Collets ER11 Pincés	TOOLYN	607
	ER11_AA Spring Collets ER11_AA Pincés haute précision	TOOLYN	608
	ER16 Spring Collets ER16 Pincés	TOOLYN	608
	ER16_AA Spring Collets ER16_AA Pincés haute précision	TOOLYN	609

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

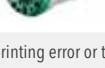
ADAPPTIONS / ATTACHMENTS

	Adaptions / Attachements	Code / Série	Page
	ER16 Spring Collets with coolant ER16 Pincas pour arrosage au centre		609
	ER16_Jet2 Spring Collets with coolant ER16_Jet2 Pincas de serrage avec trous de lub		610
	ER20 Spring Collets ER20 Pincas		610
	ER20_AA Spring Collets ER20_AA Pincas haute précision		611
	ER20 Spring Collets with coolant ER20 Pincas Pincas pour arrosage au centre		611
	ER20_Jet2 Spring Collets with coolant ER20_Jet2 Pincas de serrage avec trous de lub		612
	ER25 Spring Collets ER25 Pincas		613
	ER25_AA Spring Collets ER25_AA Pincas haute précision		614
	ER25 Spring Collets with coolant ER25 Pincas pour arrosage au centre		615
	ER25_Jet2 Spring Collets with coolant ER25_Jet2 Pincas de serrage avec trous de lub		616
	ER32 Spring Collets ER32 Pincas		617
	ER32_AA Spring Collets ER32_AA Pincas haute précision		618
	ER32 Spring Collets with coolant ER32 Pincas pour arrosage au centre		619
	ER32_Jet2 Spring Collets with coolant ER32_Jet2 Pincas de serrage avec trous de lub		620

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

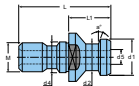
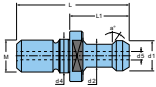
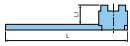
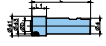
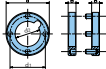


ADAPTIONS / ATTACHMENTS

	Adaptions / Attachements	Code / Série	Page
	ER40 Spring Collets ER40 Pincés	TOOLYN	621
	ER40_AA Spring Collets ER40_AA Pincés haute précision	TOOLYN	622
	ER40 Spring Collets with coolant ER40 Pincés pour arrosage au centre	TOOLYN	622
	ER40_Jet2 Spring Collets with coolant ER40_Jet2 Pincés de serrage avec trous de lub	TOOLYN	623
	ER50 Spring Collets ER50 Pincés	TOOLYN	623
	High Speed Jet Spindle TJS HPC HSK-A Broche haute vitesse jet TJS HPC HSK-A	TYPHOON HSM	624
	High Speed Jet Spindle TJS HPC DIN69871 Broche haute vitesse jet TJS HPC DIN69871	TYPHOON HSM	624
	High Speed Jet Spindle TJS HPC BT Broche haute vitesse jet TJS HPC BT	TYPHOON HSM	625
	High Speed Jet Spindle TJS HPC ER Broche haute vitesse jet TJS HPC ER	TYPHOON HSM	625
	High Speed Jet Spindle TJS HPC C6 Broche haute vitesse jet TJS HPC C6	TYPHOON HSM	626
	High Speed Jet Spindle TJS HPC ST20 Broche haute vitesse jet TJS HPC ST20	TYPHOON HSM	626
	High Speed Jet Spindle TJS GJET HSK A Broche haute vitesse jet TJS GJET HSK A	TYPHOON HSM	627
	High Speed Jet Spindle TJS GJET DIN69871 Broche haute vitesse jet TJS GJET DIN69871	TYPHOON HSM	627
	High Speed Jet Spindle TJS GJET BT Broche haute vitesse jet TJS GJET BT	TYPHOON HSM	628

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

ADAPPTIONS / ATTACHMENTS

	Adaptions / Attachements	Code / Série	Page
	High Speed Jet Spindle TJS GJET ER Broche haute vitesse jet TJS GJET ER	TYPHOON ^{HSM}	628
	High Speed Jet Spindle TJS GJET C Broche haute vitesse jet TJS GJET C	TYPHOON ^{HSM}	629
	High Speed Jet Spindle TJS GJET ST Broche haute vitesse jet TJS GJET ST	TYPHOON ^{HSM}	629
	High Speed Jet Spindle M90 030 Broche haute vitesse jet TJS M90 030	TYPHOON ^{MICRO}	630
	TJS TSD Display TJS TSD écran de contrôle	TYPHOON ^{HSM}	631
	Z01 - DRAW BOLT / TIRETTE DIN69872 / ISO 7388		632
	Z02 - DRAW BOLT / TIRETTE MAS BT		632
	Z03 - COOLANT TUBE / Canule de lubrification		633
	Z04 - SOCKET WRENCH FOR COOLANT TUBE / Clé pour canules de lubrification		633
	Z05 - CUTTER RETAINING SCREW / VIS DE SERRAGE POUR FRAISE		634
	Z06 - WRENCH FOR CUTTER RETAINING SCREW / CLÉ DE FIXATION		634
	Z07 - T-CLAMP WELDON ADAPTION FOR TSC SLOT MILLS Z07 - ATTACHEMENT SLOT-IN WELDON POUR FRAISE DISQUE TSC		635
	Z08 - SPIGOT SET FOR TSC SLOT MILLS / FLASQUE D'ENTRAÎNEMENT POUR FRAISE DISQUE TSC		635
	Z09 - T-CLAMP SHELL-TYPE ADAPTION FOR TSC SLOT MILLS Z09 - ADAPTEUR PORTE-FRAISE SLOT-IN POUR FRAISE DISQUE TSC		636

Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.



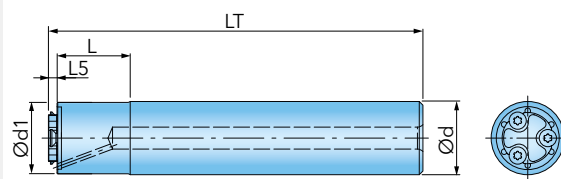
Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

TRILINK TRILINK ADAPTION WITH CYLINDRICAL SHANK
TRILINK - ATTACHEMENT A QUEUE CYLINDRIQUE

cylindrical shank / Queue Cylindrique



TriLink / TriLink



Designation Réf. de l'article	MOD1	d	d1	LT	L	L5		
S20PA14SA100	TRI	20	19,5	101,4	20	1,4	✓	0,22
S20PA19SA100	TRI	20	19,5	101,9	20	1,9	✓	0,22
S20PA24SA100	TRI	20	19,5	102,4	20	2,4	✓	0,22

SPARE PARTS
ACCESSOIRES



ISO 14581 M2,5X8-V2A SENK

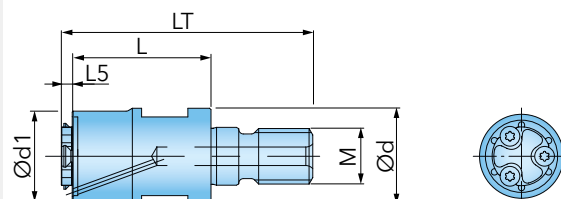
① = Screw - TriLink / Vis de serrage - TriLink

TRILINK TRILINK ADAPTION WITH TOPON SHANK
TRILINK - ATTACHEMENT VISSE

screw-in type connection / Tête vissée



TriLink / TriLink



Designation Réf. de l'article	MOD1	d	d1	LT	L	L5	M		
MOD12PA14SA030	TRI	21	19,5	53,4	30	1,4	M12	✓	0,09
MOD12PA19SA030	TRI	21	19,5	53,9	30	1,9	M12	✓	0,09
MOD12PA24SA030	TRI	21	19,5	54,4	30	2,4	M12	✓	0,09

SPARE PARTS
ACCESSOIRES



ISO 14581 M2,5X8-V2A SENK

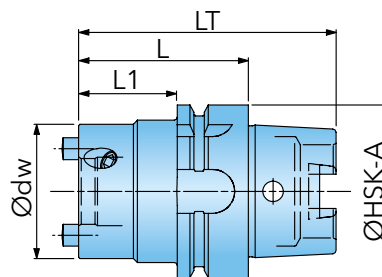
① = Screw - TriLink / Vis de serrage - TriLink

INNOFIT HSK-ADAPTION HSK 50...100 - MODULAR ATTACHEMENT HSK 50...100 - MODULAIRE



DIN 69893 / DIN 69893

modular / Modulaire



Designation Réf. de l'article	MOD1	dw	LT	L	L1	xs	HSK-A	IK	kg
HSKA50Z4SA060	MOD 40	49	85	60	34	24	50	✓	0,67
HSKA63Z4SA062	MOD 40	49	94	62	35	24	63	✓	1,04
HSKA63Z4SB062	MOD 40	61	94	62	38	24	63	✓	1,19
HSKA80Z4SA068	MOD 40	49	108	68	42	24	80	✓	1,54
HSKA80Z5SA080	MOD 50	78	120	80	54	37	80	✓	2,41
HSKA100Z4SA080	MOD 40	49	130	80	51	24	100	✓	2,80
HSKA100Z4SB080	MOD 40	61	130	80	51	24	100	✓	2,97
HSKA100Z5SA080	MOD 50	78	130	80	50	37	100	✓	3,50

SPARE PARTS
ACCESSOIRES



Z04

Z18

Z19

Z03

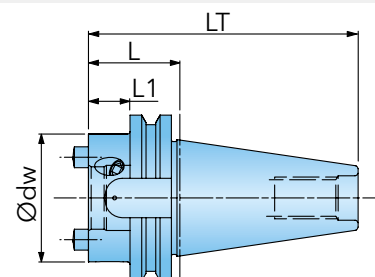
① = Socket wrench / Clé de fixation ② = Screw Innofit / Vis de serrage Innofit ③ = Wrench Innofit / Clé de serrage Innofit ④ = Coolant tube / Tube de lubrification

INNOFIT TAPER ADAPTION DIN 69871 - MODULAR ATTACHEMENT DIN69871 - MODULAIRE



DIN 69871 / DIN 69871

modular / Modulaire



Designation Réf. de l'article	MOD1	dw	LT	L	L1	xs	SK	IK	kg
69871A40Z4SA035	MOD 40	49	103,4	35	15	24	40	✓	0,90
69871A50Z4SA035	MOD 40	49	136,75	35	13	24	50	✓	2,71
69871A50Z4SB035	MOD 40	61	136,75	35	15	24	50	✓	2,85
69871A50Z5SA035	MOD 50	78	136,75	35	15	37	50	✓	2,80

SPARE PARTS
ACCESSOIRES



Z18

Z19

Z01

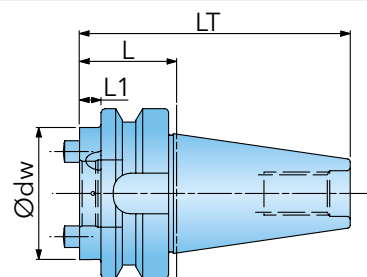
① = Screw Innofit / Vis de serrage Innofit ② = Wrench / Clé de serrage ③ = Draw bolt DIN_/ISO_/Tirette DIN_/ISO_

INNOFIT TAPER ADAPTION BT40/50 - MODULAR ATTACHEMENT BT40/50 - MODULAIRE

JIS-B 6339 (MAS BT) / JIS-B 6339 (MAS BT)



modular / Modulaire



Designation Réf. de l'article	MOD1	dw	LT	L	L1	xs	BT		
BT40Z4SA035	MOD 40	49	100,4	35	7	24	40	✓	0,95
BT50Z4SA045	MOD 40	49	146,8	45	6	24	50	✓	3,57
BT50Z5SA045	MOD 50	78	146,8	45	6	37	50	✓	3,42

SPARE PARTS
ACCESSOIRES

①



Z18

②



Z19

③



Z02

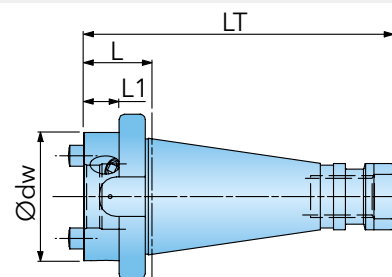
① = Screw Innofit / Vis de serrage Innofit ② = Wrench Innofit / Clé de serrage Innofit ③ = Draw bolt MAS BT / Tirette MAS BT

INNOFIT TAPER ADAPTION DIN 2080 - MODULAR ATTACHEMENT DIN2080 - MODULAIRE

DIN 2080 / DIN 2080



modular / Modulaire



Designation Réf. de l'article	MOD1	dw	LT	L	L1	xs	SK		
2080A40Z4SA025	MOD 40	49	118,4	25	12	24	40	✓	0,82
2080A50Z4SA035	MOD 40	49	161,8	35	19	24	50	✓	2,78
2080A50Z5SA035	MOD 50	78	161,8	35	19	27	50	✓	2,95

SPARE PARTS
ACCESSOIRES

①



Z18

②



Z19

③

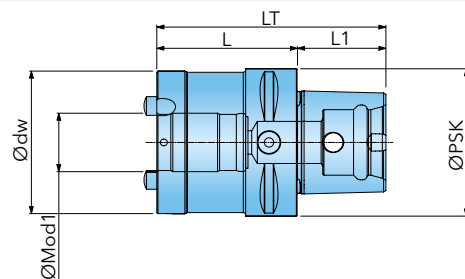


Z01

① = Screw Innofit / Vis de serrage Innofit ② = Wrench Innofit / Clé de serrage Innofit ③ = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_



modular / Modulaire



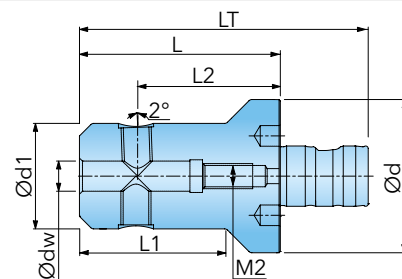
Designation Réf. de l'article	MOD1	dw	LT	L	L1	PSK	
CPT50Z4SA060	MOD 40	49	90	60	40	50	✓
CPT63Z4SA060	MOD 40	49	98	60	30	63	✓
CPT63Z4SB060	MOD 40	61	98	60	38	63	✓
CPT80Z4SA080	MOD 40	49	128	80	40	80	✓
CPT80Z4SB080	MOD 40	61	128	80	45	80	✓
CPT80Z5SA080	MOD 50	78	128	80	50	80	✓



modular / Modulaire



DIN 6355/ DIN1835-E / DIN 6355/ DIN1835-E



Designation Réf. de l'article	d	dw	d1	LT	L	L1	L2	M2	MOD	IK	kg
Z4WBE06SA080	49	6	25	115	80	56	62	M5	MOD 40	✓	0,57
Z4WBE08SA080	49	8	28	115	80	57,5	62	M6	MOD 40	✓	0,61
Z4WBE10SA080	49	10	35	115	80	61	60	M8	MOD 40	✓	0,75
Z4WBE12SA080	49	12	42	115	80	64,5	57,5	M10	MOD 40	✓	0,93
Z4WBE16SA080	49	16	48	115	80	67,5	56	M12	MOD 40	✓	1,10
Z4WBE20SA090	49	20	52	125	90	-	65	M16	MOD 40	✓	1,35
Z4WBE08SB080	61	8	28	115	80	51,5	62	M6	MOD 40	✓	0,79
Z4WBE10SB080	61	10	35	115	80	55	60	M8	MOD 40	✓	0,92
Z4WBE12SB080	61	12	42	115	80	58,5	57,5	M10	MOD 40	✓	1,08
Z4WBE16SB080	61	16	48	115	80	61,5	56	M12	MOD 40	✓	1,22
Z4WBE20SB090	61	20	52	125	90	73,5	65	M16	MOD 40	✓	1,46
Z4WBE25SB100	61	25	65	135	100	-	76	M20	MOD 40	✓	2,21
Z5WBE10SA080	78	10	35	127	80	44,5	60	M8	MOD 50	✓	1,58
Z5WBE12SA080	78	12	42	127	80	48	57,5	M10	MOD 50	✓	1,70
Z5WBE16SA080	78	16	48	127	80	51	56	M12	MOD 50	✓	1,81
Z5WBE20SA090	78	20	52	137	90	63	65	M16	MOD 50	✓	2,02
Z5WBE25SA100	78	25	65	147	100	79,5	76	M20	MOD 50	✓	2,69
Z5WBE32SA100	78	32	72	147	100	-	76	M20	MOD 50	✓	2,96

SPARE PARTS
ACCESSOIRES

①



②



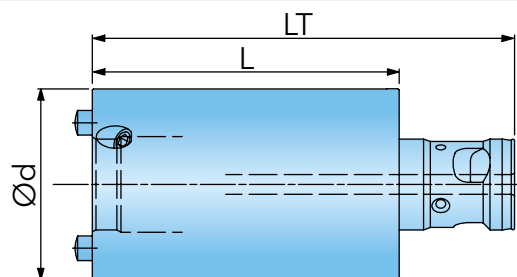
Z10

Z23

① = Screw - DIN1835 / Vis de serrage - DIN1835 ② = Adjusting screw 1835-E (Whistle-Notch) / Vis d'ajustement 1835-E (Whistle-Notch)



modular / Modulaire



modular / Modulaire

Designation Réf. de l'article	MOD1	d	LT	L	xs	MOD	IK	kg
Z4Z4SA050	MOD 40	49	85	50	24	MOD 40	✓	0,68
Z4Z4SA075	MOD 40	49	110	75	24	MOD 40	✓	1,04
Z4Z4SA100	MOD 40	49	135	100	24	MOD 40	✓	1,39
Z4Z4SB050	MOD 40	61	85	50	24	MOD 40	✓	1,05
Z4Z4SB075	MOD 40	61	110	75	24	MOD 40	✓	1,61
Z4Z4SB100	MOD 40	61	135	100	24	MOD 40	✓	2,17
Z4Z4SB125	MOD 40	61	160	125	24	MOD 40	✓	2,73
Z5Z5SA075	MOD 50	78	122	75	37	MOD 50	✓	2,65
Z5Z5SA100	MOD 50	78	147	100	37	MOD 50	✓	3,57
Z5Z5SA125	MOD 50	78	172	125	37	MOD 50	✓	4,29
Z4Z4SA050-01	MOD 40	61	85	50	37	MOD 40	✓	0,85

SPARE PARTS
ACCESSOIRES



Z18

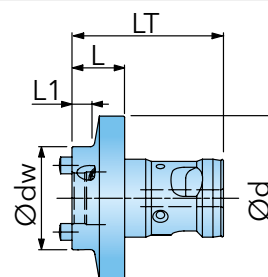


Z19

① = Screw InnoFit / Vis de serrage InnoFit ② = Wrench InnoFit / Clé de serrage InnoFit



modular / Modulaire



modular / Modulaire

Designation Réf. de l'article	MOD1	d	dw	LT	L	L1	MOD		
Z5Z4SA025	MOD 40	78	49	72	25	9	MOD 50	✓	0,85
Z5Z4SA050	MOD 40	78	49	97	50	34	MOD 50	✓	1,20
Z5Z4SA075	MOD 40	78	49	122	75	59	MOD 50	✓	1,55
Z5Z4SA100	MOD 40	78	49	147	100	84	MOD 50	✓	1,88
Z5Z4SB025	MOD 40	78	61	72	25	9	MOD 50	✓	0,92
Z5Z4SB050	MOD 40	78	61	97	50	34	MOD 50	✓	1,48
Z5Z4SB075	MOD 40	78	61	122	75	59	MOD 50	✓	2,04
Z5Z4SB100	MOD 40	78	61	147	100	84	MOD 50	✓	2,60

SPARE PARTS
ACCESSOIRES

①



Z18

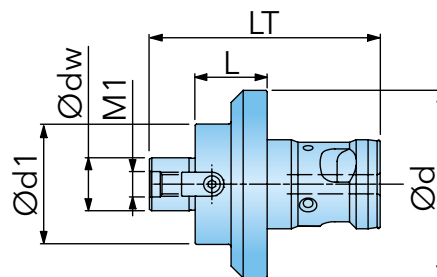
②



Z19

① = Screw Innofit / Vis de serrage Innofit ② = Wrench Innofit / Clé de serrage Innofit

modular / Modulaire



Designation Réf. de l'article	d	dw	d1	LT	L	M1	MOD	IK	kg
Z4SM16SA023	49	16	36	58	23	M8	MOD 40	✓	0,38
Z4SM22SA016	49	22	49	51	16	M10	MOD 40	✓	0,39
Z4SM27SA020	49	27	60	55	20	M12	MOD 40	✓	0,60
Z4SM16SB023	61	16	36	58	23	M8	MOD 40	✓	0,42
Z4SM22SB016	61	22	61	51	16	M10	MOD 40	✓	0,46
Z4SM27SB020	61	27	61	55	20	M12	MOD 40	✓	0,57
Z5SM22SA030	78	22	50	77	30	M10	MOD 50	✓	1,14
Z5SM27SA030	78	27	60	77	30	M12	MOD 50	✓	1,26
Z5SM32SA030	78	32	78	77	30	M16	MOD 50	✓	1,57
Z5SM40SA030	78	40	88	77	30	M20	MOD 50	✓	1,94

SPARE PARTS
ACCESSOIRES

①



②



Z05

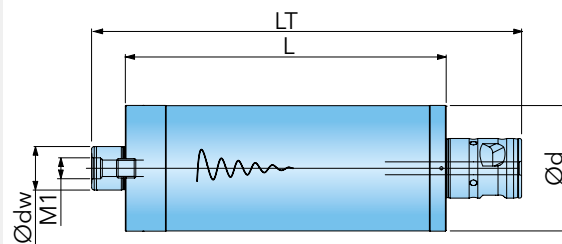
Z06

① = Cutter retaining screws / Vis de serrage pour fraise ② = Wrench for cutter retaining screws / Clé de serrage

IA **BSORBER** CENTER PIN ANTI VIBRATION Z4SM/Z5SM ALLONGE ANTIVIBRATOIRE Z4SM/Z5SM



modular / Modulaire



modular / Modulaire

Designation Réf. de l'article	d	dw	LT	L	M1	MOD	IK	kg
Z4SM22UA150	49	22	204	150	M10	MOD 40	✓	2,9
Z4SM22UA200	61	22	247	200	M10	MOD 40	✓	5,4
Z4SM27UA200	61	27	247	200	M12	MOD 40	✓	5,5
Z5SM27UA200	78	27	247	200	M12	MOD 50	✓	9,1
Z5SM32UA200	78	32	247	200	M16	MOD 50	✓	9,2
Z5SM40UA200	78	40	247	200	M20	MOD 50	✓	9,3

SPARE PARTS ACCESSOIRES

①



Z05

②



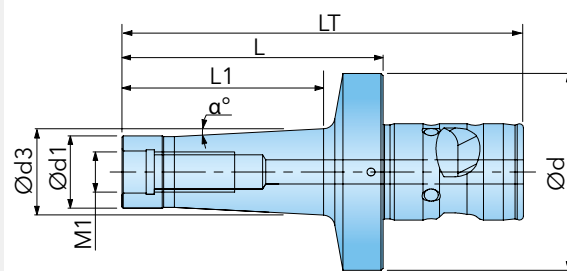
Z06

① = Cutter retaining screws / Vis de serrage pour fraise ② = Wrench for cutter retaining screws / Clé de serrage



modular / Modulaire

screw-in type connection / Tête vissée

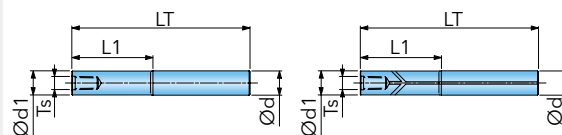


Designation Réf. de l'article	d	d1	d3	LT	L	L1	α	M1	MOD	IK	kg
Z4MOD08SK065	49	13	17	100	65	50	3	M8	MOD 40	✓	0,32
Z4MOD08SK115	49	13	22	150	115	100	3	M8	MOD 40	✓	0,43
Z4MOD08SK165	49	13	27	200	165	150	3	M8	MOD 40	✓	0,61
Z4MOD10SK065	49	18	22	100	65	50	3	M10	MOD 40	✓	0,36
Z4MOD10SK115	49	18	27	150	115	100	3	M10	MOD 40	✓	0,54
Z4MOD10SK165	49	18	32	200	165	150	3	M10	MOD 40	✓	0,80
Z4MOD12SK065	49	21	25	100	65	50	3	M12	MOD 40	✓	0,40
Z4MOD12SK115	49	21	30	150	115	100	3	M12	MOD 40	✓	0,63
Z4MOD12SK165	49	21	36	200	165	150	3	M12	MOD 40	✓	0,95
Z4MOD08SF065	61	13	17	100	65	50	3	M8	MOD 40	✓	0,41
Z4MOD08SF115	61	13	22	150	115	100	3	M8	MOD 40	✓	0,51
Z4MOD08SF165	61	13	27	200	165	150	3	M8	MOD 40	✓	0,69
Z4MOD10SF065	61	18	22	100	65	50	3	M10	MOD 40	✓	0,45
Z4MOD10SF115	61	18	27	150	115	100	3	M10	MOD 40	✓	0,63
Z4MOD10SF165	61	18	32	200	165	150	3	M10	MOD 40	✓	0,88
Z4MOD12SF065	61	21	25	100	65	50	3	M12	MOD 40	✓	0,49
Z4MOD12SF115	61	21	30	150	115	100	3	M12	MOD 40	✓	0,71
Z4MOD12SF165	61	21	36	200	165	150	3	M12	MOD 40	✓	1,03
Z4MOD16SF065	61	29	33	100	65	50	3	M16	MOD 40	✓	0,60
Z4MOD16SF115	61	29	38	150	115	100	3	M16	MOD 40	✓	0,98
Z4MOD16SF165	61	29	43	200	165	150	3	M16	MOD 40	✓	1,50
Z4MOD16SB070	61	29	29	105	70	50	-	M16	MOD 40	✓	0,62
Z4MOD16SB095	61	29	29	130	95	75	-	M16	MOD 40	✓	0,74
Z4MOD16SB120	61	29	29	155	120	100	-	M16	MOD 40	✓	0,86

cylindrical shank / Queue Cylindrique



CHIP-SURFER connection / CHIP-SURFER connexion



Typ 1

Typ 2

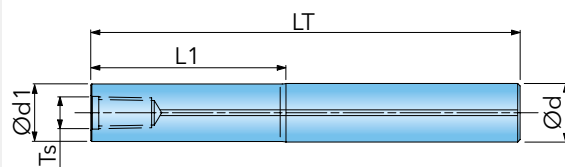
Designation Réf. de l'article	d	d1	LT	L1	Ts	Typ		
S008T05SA015	8	7,6	60	15	T5	1		0,022
S008T05SA070	8	8	70	-	T5	1		0,026
S012T05SA150	12	12	150	-	T5	1		0,130
S010T06SA020	10	9,5	75	17,5	T6	1		0,051
S010T06DA020	10	9,5	75	17,5	T6	2	✓	0,037
S010T06SA010	10	10	80	-	T6	1		0,055
S010T06DA010	10	10	80	-	T6	2	✓	0,037
S016T06SA200	16	16	200	-	T6	1		0,326
S012T08SA015	12	11,5	90	10,5	T8	1		0,083
S012T08DA015	12	11,5	90	10,5	T8	2	✓	0,076
S012T08SA012	12	12	90	-	T8	1		0,084
S012T08DA012	12	12	90	-	T8	2	✓	0,077
S020T08SA250	20	20	250	-	T8	1		0,600
S016T10SA018	16	15,2	100	18	T10	1		0,154
S016T10DA018	16	15,2	100	48	T10	2	✓	0,134
S016T10SA016	16	16	100	-	T10	1		0,156
S016T10DA016	16	16	100	-	T10	2	✓	0,141
S025T10SA250	25	25	250	-	T10	1		0,938
S020T12SA025	20	18,3	120	25	T12	1		0,270
S020T12DA025	20	18,3	120	70	T12	2	✓	0,250
S025T15SA035	25	23,9	135	35	T15	1		0,474
S032T15SA009	32	23,9	100	9	T15	1		0,300

CHIP SURFER CYLINDRICAL STEEL SHANK WITH IC CENTRAL
RALLONGE CYLINDRIQUE EN ACIER AVEC ARROSAGE AU CENTRAL

cylindrical shank / Queue Cylindrique



CHIP-SURFER connection / CHIP-SURFER connexion



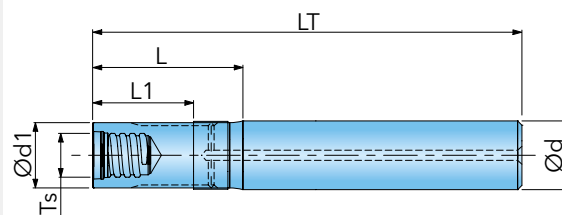
Designation Réf. de l'article	d	d1	LT	L1	Ts		
S008T05DA015	8	7,6	60	15	T5	✓	0,022
S008T05DA070	8	8	70	-	T5	✓	0,026
S010T06DA010-01	10	10	80	-	T6	✓	0,055
S010T06DA012-01	10	9,6	75	12	T6	✓	0,040
S012T08DA014-01	12	11,5	90	14	T8	✓	0,077
S012T08DA012-01	12	12	90	-	T8	✓	0,077
S012T08DA042-01	12	11,5	90	42	T8	✓	0,082
S016T10DA016-02	16	16	100	-	T10	✓	0,141
S016T10DA020-01	16	15,3	100	20	T10	✓	0,120
S016T10DA042-01	16	15,3	100	42	T10	✓	0,135
S020T12DA048-01	20	18,3	120	48	T12	✓	0,200
S020T12DA025-01	20	18,3	120	25	T12	✓	0,120
S025T15DA035-01	25	23,9	135	35	T15	✓	0,424
S025T15DA050-01	25	23,9	135	50	T15	✓	0,400

CHIPSURFER CYLINDRICAL CARBIDE SHANK WITH IC PARALLEL
RALLONGE CYLINDRIQUE EN CARBURE AVEC ARROSAGE CENTRAL SUR COLLERETTE

cylindrical shank / Queue Cylindrique



CHIP-SURFER connection / CHIP-SURFER connexion

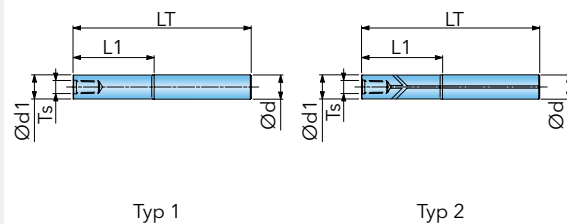


Designation Réf. de l'article	d	d1	LT	L	L1	Ts		
S010T06NA018	10	9,6	75	28	18	T6	✓	0,040
S012T08NA018	12	11,6	90	30	18	T8	✓	0,067
S016T10NA023	16	15,3	100	35	23	T10	✓	0,140

cylindrical shank / Queue Cylindrique



CHIP-SURFER connection / CHIP-SURFER connexion



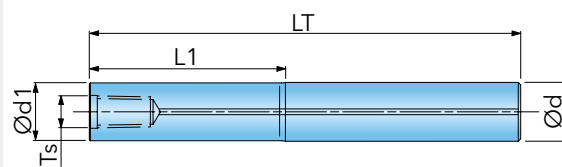
Typ 1

Typ 2

Designation Réf. de l'article	d	d1	LT	L1	Ts	Typ	IK	kg
S008T05CA020	8	7,6	70	18	T5	1		0,042
S008T05CA040	8	7,6	90	38	T5	1		0,056
S008T05CA060	8	7,6	110	57,9	T5	1		0,068
S010T06CA040-01	10	9,6	90	38	T6	2	✓	0,075
S010T06CA020	10	9,6	70	18	T6	1		0,077
S010T06CA040	10	9,6	90	38	T6	1		0,062
S010T06CA060	10	9,6	110	57,9	T6	1		0,110
S010T06CA064	10	10	100	-	T6	1		0,104
S010T06CA100	10	9,6	150	100	T6	1		0,152
S012T08CA020	12	11,5	70	17,9	T8	1		0,096
S012T08CA040	12	11,5	90	37,9	T8	1		0,121
S012T08CA060	12	11,5	110	57,8	T8	1		0,156
S012T08CA080	12	11,5	130	77,8	T8	1		0,188
S012T08CA078	12	12	100	-	T8	2	✓	0,124
S016T10CA040	16	15,2	90	37,5	T10	1		0,214
S016T10CA060	16	15,2	110	57,4	T10	1		0,266
S016T10CA080	16	15,2	130	77,4	T10	1		0,320
S016T10CA100	16	15,2	150	97,4	T10	1		0,374
S020T12CA040	20	18,3	90	36,6	T12	1		0,318
S020T12CA080	20	18,3	130	76,5	T12	1		0,470
S020T12CA120	20	18,3	200	116,5	T12	1		0,760
S025T15CA060	25	23,9	120	57	T15	1		0,640
S025T15CA100	25	23,9	170	97	T15	1		0,958
S025T15CA150	25	23,9	250	147	T15	1		1,452

CHIP SURFER CYLINDRICAL CARBIDE SHANK WITH IC CENTRAL
RALLONGE CYLINDRIQUE EN CARBURE AVEC ARROSAGE CENTRAL

cylindrical shank / Queue Cylindrique



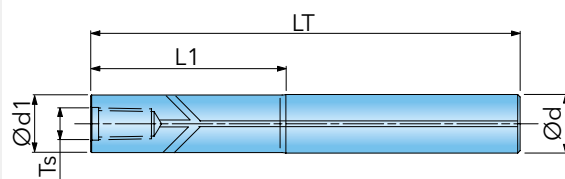
CHIP-SURFER connection / CHIP-SURFER connexion

Designation Réf. de l'article	d	d1	LT	L1	Ts		
S012T08CA020-02	12	11,5	70	20	T8	✓	0,082
S012T08CA040-02	12	11,5	90	40	T8	✓	0,108
S012T08CA060-01	12	11,5	110	60	T8	✓	0,118
S012T08CA080-01	12	11,5	130	80	T8	✓	0,172
S016T10CA040-03	16	15,3	90	40	T10	✓	0,168
S016T10CA060-02	16	15,3	110	60	T10	✓	0,168
S020T12CA040-01	20	18,3	90	40	T12	✓	0,300
S020T12CA080-01	20	18,3	130	80	T12	✓	0,438
S020T12CA120-01	20	18,3	200	120	T12	✓	0,700

cylindrical shank / Queue Cylindrique



CHIP-SURFER connection / CHIP-SURFER connexion

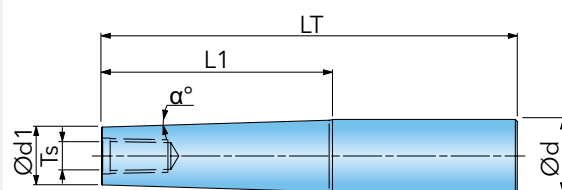


Designation Réf. de l'article	d	d1	LT	L1	Ts		
S008T05HA020	8	7,6	70	20	T5		0,056
S008T05HA040	8	7,6	90	40	T5		0,065
S008T05HA060	8	7,6	110	60	T5		0,088
S010T06HA020	10	9,6	70	20	T6	✓	0,078
S010T06HA040	10	9,6	90	40	T6	✓	0,100
S010T06HA060	10	9,6	110	60	T6	✓	0,120
S012T08HA020	12	11,5	70	20	T8	✓	0,114
S012T08HA040	12	11,5	90	40	T8	✓	0,148
S012T08HA060	12	11,5	110	60	T8	✓	0,180
S012T08HA080	12	11,5	130	80	T8	✓	0,212
S016T10HA020	16	15,2	70	20	T10	✓	0,208
S016T10HA040	16	15,2	90	40	T10	✓	0,270
S016T10HA060	16	15,2	110	60	T10	✓	0,326
S016T10HA080	16	15,2	130	80	T10	✓	0,390
S016T10HA100	16	15,2	150	100	T10	✓	0,452
S020T12HA040	20	18,3	90	40	T12	✓	0,412
S020T12HA080	20	18,3	130	80	T12	✓	0,590
S020T12HA120	20	18,3	200	120	T12	✓	0,920

cylindrical shank / Queue Cylindrique



CHIP-SURFER connection / CHIP-SURFER connexion

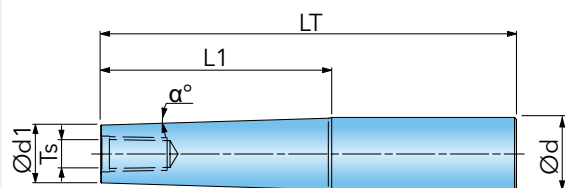


Designation Réf. de l'article	d	d1	LT	L1	α	Ts	kg
S016T06SK034	16	9,6	125	34	5,0	T6	0,193
S016T06SK045	16	9,6	160	45	1,0	T6	0,120
S016T08SK022	16	11,5	140	22	5,0	T8	0,220
S020T08SK080	20	11,5	170	80	3,0	T8	0,303
S025T12SK040	25	18,3	160	40	4,8	T12	0,110
S025T12SK100	25	18,3	210	100	2,0	T12	0,656
S032T12SK080	32	18,3	190	80	4,9	T12	0,560
S040T15SK100	40	23,9	250	100	9,2	T15	2,115

cylindrical shank / Queue Cylindrique



CHIP-SURFER connection / CHIP-SURFER connexion



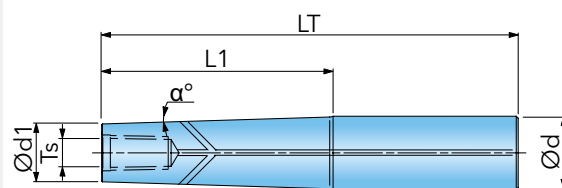
Designation Réf. de l'article	d	d1	LT	L1	α	Ts	kg
S012T05CK060	12	7,6	110	54,7	1,5	T5	0,126
S012T05CK080	12	7,6	130	76,1	1,5	T5	0,148
S016T05CK100	16	7,6	150	90,1	1,5	T5	0,275
S012T06CK060	12	9,6	110	60	1,5	T6	0,110
S016T06CK080	16	9,6	130	80	1,5	T6	0,260
S016T06CK100	16	9,6	150	94,1	1,5	T6	0,272
S016T06CK120	16	9,6	170	115,5	1,5	T6	0,110
S016T08CK080	16	11,5	130	76	1,5	T8	0,282
S016T08CK100	16	11,5	150	96,4	1,3	T8	0,330
S020T08CK120	20	11,5	170	110,4	1,5	T8	0,473
S020T10CK100	20	15,2	150	96,1	1,4	T10	0,100
S020T10CK120	20	15,2	170	116,5	1,1	T10	0,608
S020T10CK140	20	15,2	190	140	1,0	T10	0,682
S020T10CK160	20	15,2	210	160	0,9	T10	0,754
S025T12CK120	25	18,3	180	114,2	1,6	T12	0,914
S025T12CK140	25	18,3	250	135,6	1,35	T12	1,396
S032T15CK150	32	23,9	250	143,3	3,1	T15	1,884
S032T15CK200	32	23,9	300	195,7	2,3	T15	2,616

CHIPSURFER CONICAL HEAVY METAL SHANK RALLONGE CONIQUE EN METAL LOURD (TÊTE VISSÉE)

cylindrical shank / Queue Cylindrique



CHIP-SURFER connection / CHIP-SURFER connexion

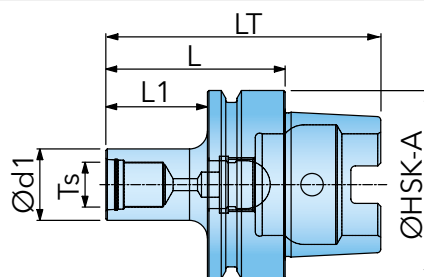


Designation Réf. de l'article	d	d1	LT	L1	α	Ts		
S012T05HK060	12	7,6	110	60	1,5	T5	✓	0,140
S012T05HK080	12	7,6	130	80	1,5	T5	✓	0,164
S012T06HK060	12	9,6	110	60	1,5	T6	✓	0,170
S016T06HK080	16	9,6	130	80	1,5	T6	✓	0,285
S016T06HK100	16	9,6	150	100	1,5	T6	✓	0,335
S016T06HK120	16	9,6	170	120	1,5	T6	✓	0,820
S016T08HK080	16	11,5	130	80	1,5	T8	✓	0,320
S016T08HK100	16	11,5	150	100	1,3	T8	✓	0,384
S020T08HK120	20	11,5	170	120	1,5	T8	✓	0,526
S020T10HK100	20	15,2	150	100	1,2	T10	✓	0,682
S020T10HK120	20	15,2	170	120	1,1	T10	✓	0,765
S020T10HK140	20	15,2	190	140	1,0	T10	✓	0,850
S020T10HK160	20	15,2	210	160	0,9	T10	✓	0,930
S025T12HK120	25	18,3	180	120	1,6	T12	✓	1,154
S025T12HK140	25	18,3	250	140	1,35	T12	✓	1,800
S025T12HK140-01	25	18,3	200	150	1,35	T12	✓	1,207
S025T12HK160-01	25	18,3	250	160	1,35	T12	✓	1,765

CHIP SURFER HSK-A63 ADAPTION HSK-A63 MANDRIN PORTE FRAISE CHIP-SURFER



DIN 69893 / DIN 69893



CHIP-SURFER connection / CHIP-SURFER connexion

Designation Réf. de l'article	d1	LT	L	L1	Ts	HSK-A	kg
HSKA63T06X50	9,5	82	50	18	T6	63	0,705
HSKA63T08X50	11,5	82	50	18	T8	63	0,716
HSKA63T10X55	15,2	87	55	23	T10	63	0,730
HSKA63T12X55	18,3	87	55	23	T12	63	0,400
HSKA63T15X60	23,9	92	60	28	T15	63	0,760

SPARE PARTS
ACCESSOIRES

①



②



Z03

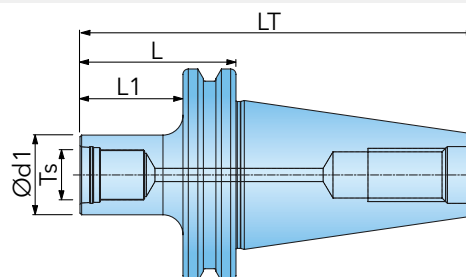
Z04

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation

CHIP SURFER DIN 69871-A40 ADAPTION DIN 69871-A40 MANDRIN PORTE FRAISE CHIP-SURFER



DIN 69871 / DIN 69871



CHIP-SURFER connection / CHIP-SURFER connexion

Designation Réf. de l'article	d1	LT	L	L1	Ts	SK	kg
DIN6987140T06X40	9,5	108,4	40	15	T6	40	0,858
DIN6987140T08X45	11,5	113,4	45	20	T8	40	0,869
DIN6987140T10X50	15,2	118,4	50	25	T10	40	0,884
DIN6987140T12X50	18,3	118,4	50	25	T12	40	0,898
DIN6987140T15X50	23,9	118,4	50	25	T15	40	0,928

SPARE PARTS
ACCESSOIRES

①



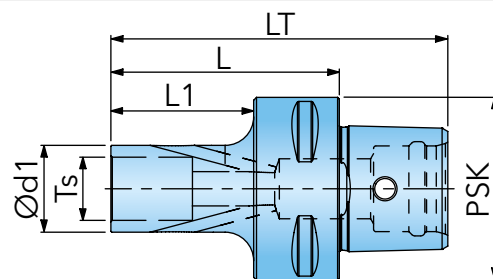
Z01

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_

ISO 26623-1 / ISO 26623-1



CHIP-SURFER connection / CHIP-SURFER connexion



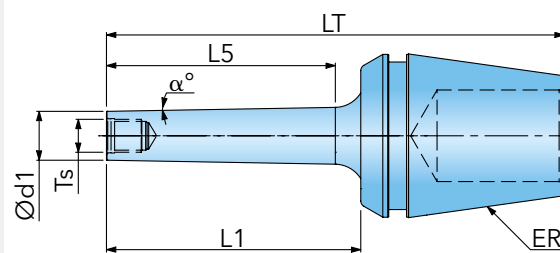
Designation Réf. de l'article	d1	LT	L	L1	Ts	PSK		
CPT32T05SA035	7,6	54	35	20	T5	32		0,115
CPT32T06SA035	9,25	54	35	20	T6	32	✓	0,124
CPT32T08SA040	11,6	59	40	25	T8	32	✓	0,125
CPT32T10SA040	15,3	59	40	25	T10	32	✓	0,150
CPT32T12SA045	18,3	64	45	30	T12	32	✓	0,158
CPT40T06SA045	9,25	69	45	25	T6	40	✓	0,248
CPT40T08SA045	11,6	69	45	25	T8	40	✓	0,248
CPT40T10SA050	15,3	74	50	30	T10	40	✓	0,280
CPT40T12SA055	18,3	79	55	35	T12	40	✓	0,300
CPT40T15SA055	23,9	79	55	35	T15	40	✓	0,350
CPT50T10SA060	15,3	90	60	40	T10	50	✓	0,465
CPT50T12SA060	18,3	90	60	40	T12	50	✓	0,480
CPT50T15SA060	23,9	90	60	40	T15	50	✓	0,580
CPT63T12SA065	18,3	95	65	43	T12	63	✓	0,800
CPT63T15SA065	23,9	95	65	43	T15	63	✓	0,832
CPT80T15SA070	23,9	118	70	40	T15	80	✓	1,830

CHIPSURFER ER32... CONICAL SPRING COLLETS
ER32... PINCES CONIQUE



DIN 6499 / DIN 6499

CHIP-SURFER connection / CHIP-SURFER connexion



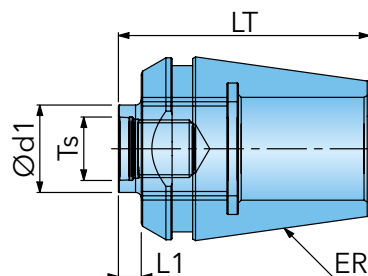
Designation Réf. de l'article	d1	LT	L1	L5	α	Ts	ER	kg
ER32T06SA018	9,2	65	25	18	-	T6	32	0,163
ER32T06SK022	9,6	65	25	22,3	5	T6	32	0,172
ER32T06SK047	9,6	90	50	47,3	5	T6	32	0,211
ER32T06SK074	9,6	115	75	74,1	5	T6	32	0,280
ER32T06SK045	9,6	90	50	45	1	T6	32	0,185

CHIPSURFER ER32... SHORT SPRING COLLETS WITH IC
ER32... SPINCES FILETÉE AVEC TROUS DE LUB



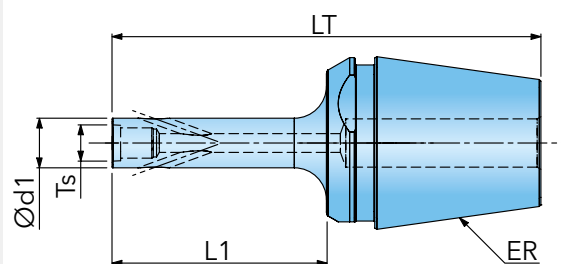
DIN 6499 / DIN 6499

CHIP-SURFER connection / CHIP-SURFER connexion



Designation Réf. de l'article	d1	LT	L1	Ts	ER	IK	kg
ER32T05SA-02	7,6	44	4	T5	32	✓	0,14
ER32T06SA-02	9,6	44	4	T6	32	✓	0,14
ER32T08SA-02	11,6	44	4	T8	32	✓	0,15
ER32T10SA-02	15,3	44	4	T10	32	✓	0,14
ER32T12SA-02	18,3	44	4	T12	32	✓	0,14
ER32T15SA-02	23,9	44	4	T15	32	✓	0,15

DIN 6499 / DIN 6499

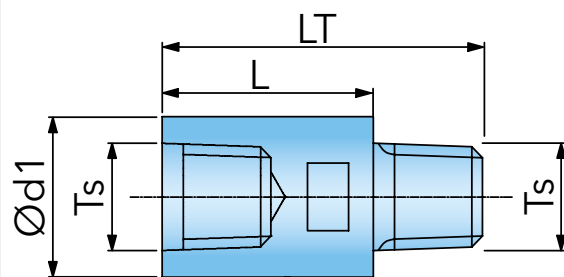


Designation Réf. de l'article	d1	LT	L1	Ts	ER		
ER11T05SA-02	7,6	22	4	T5	11		0,012
ER11T05SA-05	7,6	28,5	10,5	T5	11		0,012
ER16T05SA-02	7,6	31,5	4	T5	16		0,041
ER16T06SA-02	9,2	31,5	4	T6	16		0,045
ER16T08SA-02	11,6	31,5	4	T8	16		0,050
ER16T05SA-05	7,6	38	10,5	T5	16		0,041
ER16T06SA-05	9,2	38	10,5	T6	16		0,045
ER16T08SA-06	11,6	40,5	14	T8	16		0,051
ER20T05SA-02	7,6	35,5	4	T5	20		0,043
ER20T06SA-02	9,2	35,5	4	T6	20		0,069
ER20T08SA-02	11,6	35,5	4	T8	20		0,075
ER20T10SA-02	15,3	35,5	4	T10	20		0,078
ER20T05SA-05	7,6	42	10,5	T5	20		0,068
ER20T06SA-05	9,2	42	10,5	T6	20		0,069
ER20T08SA-06	11,6	44,5	13	T8	20		0,071
ER20T10SA-07	15,3	47,5	16	T10	20		0,072
ER25T05SA-02	7,6	38	4	T5	25		0,101
ER25T06SA-02	9,2	38	4	T6	25		0,102
ER25T06SA-05	9,25	44,5	10,5	T6	25		0,103
ER25T08SA-02	11,6	38	4	T8	25		0,103
ER25T08SA-05	11,6	44,5	10,5	T8	25		0,108
ER25T10SA-02	15,3	38	4	T10	25		0,108
ER25T10SA-05	15,3	44,5	10,5	T10	25		0,110
ER25T12SA-02	18,3	38	4	T12	25		0,110
ER25T12SA-05	18,3	44,5	10,5	T12	25		0,110
ER32T05SA-10	7,6	65	25	T05	32	✓	0,200
ER32T05SA-20	7,6	80	40	T05	32	✓	0,230
ER32T06SA-10	9,2	65	25	T06	32	✓	0,230
ER32T06SA-20	9,2	80	40	T06	32	✓	0,220
ER32T08SA-10	11,6	65	25	T08	32	✓	0,200
ER32T08SA-20	11,6	90	50	T08	32	✓	0,230
ER32T10SA-10	15,3	65	25	T10	32	✓	0,200
ER32T10SA-20	15,2	90	50	T10	32	✓	0,250
ER32T12SA-10	18,3	65	25	T12	32	✓	0,220
ER32T12SA-20	18,3	90	50	T12	32	✓	0,220

CHIP-SURFER connection / CHIP-SURFER connexion



CHIP-SURFER connection / CHIP-SURFER connexion

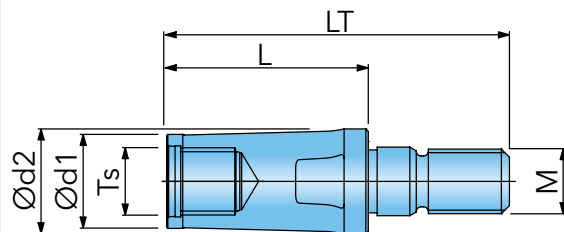


Designation Réf. de l'article	d1	LT	L	Ts	kg
T05T05SA-10	7,6	32,5	25,4	T5	0,022
T06T06SA-10	9,3	32,1	25,4	T6	0,020
T08T08SA-10	11,5	33,35	25,4	T8	0,020
T10T10SA-15	15,2	49,85	38,1	T10	0,076
T12T12SA-15	18,3	51,9	38,1	T12	0,106
T15T15SA-17	23,9	62,6	45	T15	0,210

screw-in type connection / Tête vissée



CHIP-SURFER connection / CHIP-SURFER connexion



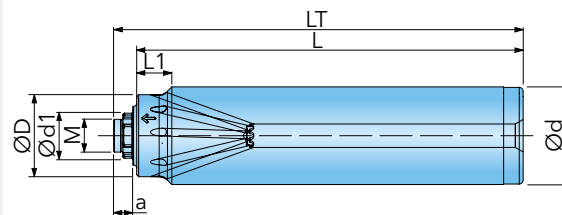
Designation Réf. de l'article	d1	d2	LT	L	M	Ts	kg
MOD06T06SK016	9,3	9,7	30,5	16	M6	T6	0,010
MOD08T06SK016	9,6	13	33,5	16	M8	T6	0,020
MOD08T08SK016	11,7	13	33,5	16	M8	T8	0,025
MOD08T08SK025	11,7	13	42,5	25	M8	T8	0,028
MOD08T06SK025	9,3	13	42,5	25	M8	T6	0,020
MOD10T06SK025	9,6	18	45	25	M10	T6	0,036
MOD10T08SK020	11,7	18	40	20	M10	T8	0,038
MOD10T08SK025	11,7	18	45	25	M10	T8	0,033
MOD12T08SK020	11,7	21	42	20	M12	T8	0,048
MOD12T08SK025	11,7	21	47	25	M12	T8	0,040

MULTISURFER CYLINDRICAL STEEL SHANK RALLONGE CYLINDRIQUE EN ACIER

cylindrical shank / Queue Cylindrique



MultiSurfer / MultiSurfer



Designation Réf. de l'article	D	d	d1	LT	L	L1	a	M	XT		
S020LPSA-10	16	20	13	104,35	100	10	4,35	M4x0,5	13	✓	0,22
S025LQSA-10	21	25	15	104,90	100	10	4,90	M5x0,5	15	✓	0,35
S032LRSA-10	28	32	17	146,00	140	10	6,00	M6x0,5	17	✓	0,81

SPARE PARTS
ACCESSOIRES



13	TS40T098/HG-P	TX15x90-B
15	TS50T110/HG-P	TX20x90-B
17	TS60T130/HG-P	TX20x90-B

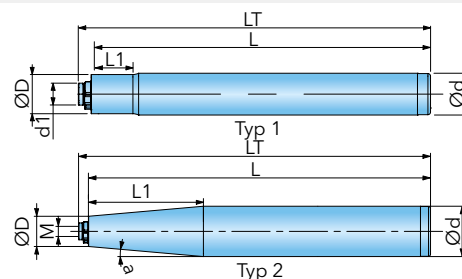
① = Clamp screw / Vis de serrage ② = Torx-Bit / Embout torx

MULTISURFER SLOTTING & THREADING HOLDERS ATTACHEMENT POUR FRAISES DISQUES ET FRAISES À FILETER

cylindrical shank / Queue Cylindrique



MultiSurfer / MultiSurfer



Designation Réf. de l'article	D	d	d1	LT	L	L1	α	M	Typ	XT	DCONWS	
S016LPSA-16	13	16	13	104,4	100	13	-	M4x0,5	Typ 1	13	13	0,150
S016LQSA-18	15	16	15	104,9	100	16	-	M5x0,5	Typ 1	15	15	0,155
S016LQSA-19	15	16	15	134,9	130	16	-	M5x0,5	Typ 1	15	15	0,205
S020LRSA-23	17	20	17	146,0	140	20,2	-	M6x0,5	Typ 1	17	17	0,330
S025LQSA-57	15	25	15	174,9	170	57,2	5	M5x0,5	Typ 2	15	15	0,575

SPARE PARTS
ACCESSOIRES



13	TS40T098/HG-P	TX15x90-B
15	TS50T110/HG-P	TX15x90-B
17	TS60T130/HG-P	TX15x90-B

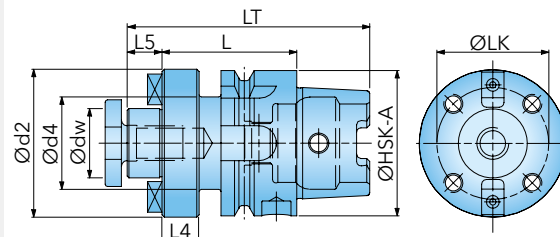
① = Clamp screw / Vis de serrage ② = Torx-Bit / Embout torx

TOOLIN HSK-A63/100 SHELL END MILL ARBORS BIG COLLAR
 HSK-A63/100 MANDRIN PORTE FRAISE GRANDE PORTÉE

DIN 69893 A / DIN 69893 A



DIN 3937 / DIN 3937



Designation Réf. de l'article	dw	d2	d4	LT	L	L4	L5	LK	HSK-A	IK	kg
HSKA63SM16SA50	16	38	-	82	50	-	17	-	63	✓	1,00
HSKA63SM22SA50	22	48	53	82	50	16	19	-	63	✓	1,10
HSKA63SM22SA100	22	48	53	132	100	16	19	-	63	✓	1,80
HSKA63SM27SA60	27	78	53	92	60	16	21	-	63		1,40
HSKA63SM27SA60-02	27	60	53	92	60	16	21	-	63	✓	1,30
HSKA63SM27SA100	27	78	53	132	100	16	21	-	63	✓	2,30
HSKA63SM32SA60	32	78	53	92	60	16	24	-	63	✓	1,70
HSKA63SM32SA100	32	78	53	132	100	16	24	-	63	✓	3,20
HSKA63FM40SA60	40	89	53	92	60	16	27	66,7	63	✓	2,00
HSKA63FM40SA100	40	89	53	132	100	16	27	66,7	63	✓	4,00
HSKA100SM22SA50	22	48	-	100	50	-	19	-	100	✓	2,50
HSKA100SM22SA100	22	48	-	150	100	-	19	-	100		3,30
HSKA100SM22SA160	22	48	-	210	160	-	19	-	100		4,20
HSKA100SM27SA50	27	78	-	100	50	-	21	-	100		2,60
HSKA100SM27SA100	27	78	-	150	100	-	21	-	100		3,70
HSKA100SM27SA160	27	78	-	210	160	-	21	-	100		5,10
HSKA100SM32SA50	32	78	-	100	50	-	24	-	100	✓	2,80
HSKA100SM32SA100	32	78	-	150	100	-	24	-	100		4,60
HSKA100SM32SA160	32	78	-	210	160	-	24	-	100		6,90
HSKA100FM40SA60	40	88	85	110	60	16	27	66,7	100	✓	3,40
HSKA100FM40SA100	40	89	85	150	100	16	27	66,7	100		5,40
HSKA100FM40SA160	40	89	85	210	160	16	27	66,7	100		8,30
HSKA100FM60SA75	60	128	85	125	75	16	40	101,6	100		5,80
HSKA100FM60SA160	60	128	85	210	160	16	40	101,6	100		14,00

SPARE PARTS
ACCESSOIRES

①



②



③



④



Z03

Z04

Z05

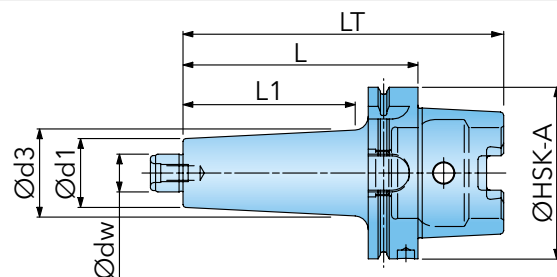
Z06

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Cutter retaining screws / Vis de serrage pour fraise ④ = Wrench / Clé de fixation

TOOLIN HSK-A63/100 SHELL END MILL ARBORS EXTRA LONG
 HSK-A63/100 MANDRIN PORTE FRAISE A ALESAGE EXTRA LONG



DIN 69893 A / DIN 69893 A



Designation Réf. de l'article	dw	d1	d3	LT	L	L1	HSK-A		
HSKA63SM22SK084	22	40	50	106	84	50	63	✓	1,80
HSKA63SM22SK134	22	40	50	166	134	100	63	✓	3,00
HSKA63SM22SK184	22	40	50	216	184	150	63	✓	4,00
HSKA63SM22SK234	22	40	50	266	234	200	63	✓	5,20
HSKA63SM27SA084	27	60	60	106	84	50	63	✓	2,00
HSKA63SM27SA134	27	60	60	166	134	100	63	✓	3,20
HSKA63SM27SA184	27	60	60	216	184	150	63	✓	4,30
HSKA63SM27SA234	27	60	60	266	234	200	63	✓	5,50
HSKA63SM27SA284	27	60	60	316	284	250	63	✓	7,50
HSKA63SM27SA334	27	60	60	366	334	300	63	✓	9,00
HSKA100SM22SK087	22	40	50	137	87	50	100	✓	3,70
HSKA100SM22SK137	22	40	55	187	137	100	100	✓	4,70
HSKA100SM22SK187	22	40	62	237	187	150	100	✓	6,50
HSKA100SM22SK237	22	40	65	287	237	200	100	✓	7,40
HSKA100SM27SK087	27	60	65	137	87	50	100	✓	4,00
HSKA100SM27SK137	27	60	65	187	137	100	100	✓	5,00
HSKA100SM27SK187	27	60	65	237	187	150	100	✓	6,70
HSKA100SM27SK237	27	60	65	287	237	200	100	✓	7,50
HSKA100SM27SK287	27	60	78	337	287	250	100	✓	10,00
HSKA100SM27SK337	27	60	78	387	337	300	100	✓	11,50

**SPARE PARTS
ACCESSOIRES**



Z03

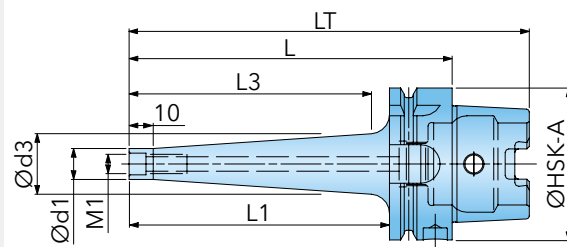
Z04

Z05

Z06

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Cutter retaining screws / Vis de serrage pour fraise ④ = Wrench / Clé de fixation

DIN 69893 A / DIN 69893 A



Designation Réf. de l'article	d1	d3	LT	L	L1	L3	M1	HSK-A	IK	kg
HSKA630DP6X59	8,0	11,5	91	59	33	25	M6	63	✓	0,70
HSKA630DP6X109	9,8	23	141	109	83	75	M6	63	✓	0,70
HSKA630DP8X59	13	15	91	59	33	25	M8	63	✓	0,70
HSKA630DP8x84	13	20	116	84	58	50	M8	63	✓	0,80
HSKA630DP8X109	13	23	141	109	33	75	M8	63	✓	0,80
HSKA630DP8X134	13	25	166	134	108	100	M8	63	✓	0,90
HSKA630DP8X184	13	25	216	184	158	150	M8	63	✓	1,00
HSKA630DP10X59	18	20	91	59	33	25	M10	63	✓	0,70
HSKA630DP10X84	18	24	116	84	58	50	M10	63	✓	0,80
HSKA630DP10X109	18	28	141	109	83	75	M10	63	✓	0,90
HSKA630DP10X134	18	32	166	134	108	100	M10	63	✓	1,00
HSKA630DP10X184	18	32	216	184	158	150	M10	63	✓	1,20
HSKA630DP12X59	21	24	91	59	33	25	M12	63	✓	0,80
HSKA630DP12X84	21	24	116	84	58	50	M12	63	✓	0,80
HSKA630DP12X109	21	31	141	109	83	75	M12	63	✓	1,00
HSKA630DP12X134	21	36	166	134	108	100	M12	63	✓	1,10
HSKA630DP12X184	21	36	216	184	158	150	M12	63	✓	1,40
HSKA630DP16X59	29	34	91	59	33	25	M16	63	✓	0,80
HSKA630DP16X84	29	34	116	84	58	50	M16	63	✓	1,00
HSKA630DP16X109	29	34	141	109	83	75	M16	63	✓	1,00
HSKA630DP16X134	29	41	166	134	108	100	M16	63	✓	1,40
HSKA630DP16X184	29	41	216	184	158	150	M16	63	✓	1,80

SPARE PARTS
ACCESSOIRES

①



②



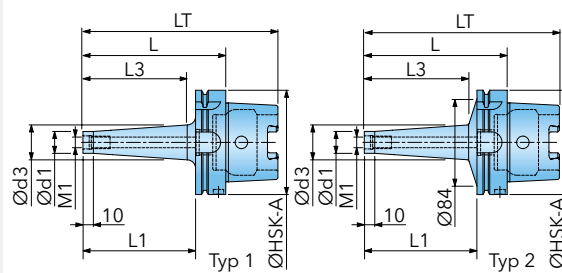
Z03

Z04

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation

TOOLIN HSK-A100 SCREW-IN TYPE
HSK-A100 MANDRIN PORTE FRAISE À VISSER

DIN 69893 A / DIN 69893 A



Designation Réf. de l'article	d1	d3	LT	L	L1	L3	M1	HSK-A	Typ	Ⓚ	kg
HSKA1000DP10X57	18	20	107	57	28	20	M10	100	2	✓	2,20
HSKA1000DP10x87	18	25	137	87	58	50	M10	100	2	✓	2,30
HSKA1000DP10X112	18	28	162	112	83	75	M10	100	2	✓	2,30
HSKA1000DP10X137	18	30	227	137	108	100	M10	100	2	✓	2,50
HSKA1000DP12X57	21	23,5	107	57	28	20	M12	100	2	✓	2,20
HSKA1000DP12X87	21	30	137	87	58	50	M12	100	2	✓	2,30
HSKA1000DP12X137	23	30	227	137	108	100	M12	100	1	✓	2,60
HSKA1000DP12X187	23	40	237	187	158	150	M12	100	1	✓	2,90
HSKA1000DP12X237	23	46	287	237	208	200	M12	100	1	✓	3,40
HSKA1000DP16X57	29	31,5	107	57	28	20	M16	100	2	✓	2,10
HSKA1000DP16X87	29	31,5	137	87	58	50	M16	100	1	✓	2,20
HSKA1000DP16X137	29	41,5	227	137	108	100	M16	100	1	✓	2,70
HSKA1000DP16X187	29	55	237	187	158	150	M16	100	1	✓	3,60
HSKA1000DP16X237	29	55	287	237	208	200	M16	100	1	✓	4,10

SPARE PARTS
ACCESSOIRES



Z03

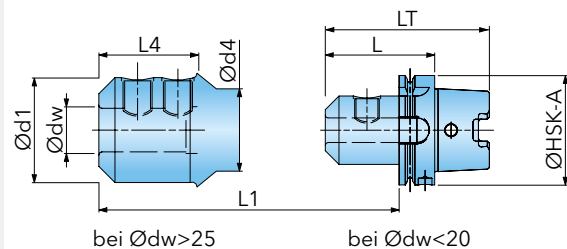
Z04

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation



DIN 69893 A / DIN 69893 A

DIN 6359/ DIN1835-B / DIN 6359/ DIN1835-B



Designation Réf. de l'article	dw	d1	d4	LT	L	L1	L4	HSK-A	IK	kg
HSKA63EM6X65	6	25	-	97	65	39	-	63	✓	0,80
HSKA63EM8X65	8	28	-	97	65	39	-	63	✓	0,90
HSKA63EM10X65	10	35	-	97	65	39	-	63	✓	1,00
HSKA63EM12X80	12	42	-	122	80	54	-	63	✓	1,60
HSKA63EM14X80	14	44	-	122	80	54	-	63	✓	1,70
HSKA63EM16X80	16	48	-	122	80	54	-	63	✓	1,80
HSKA63EM18X80	18	50	-	122	80	54	-	63	✓	1,90
HSKA63EM20X80	20	52	-	122	80	54	-	63	✓	2,00
HSKA63EM25X110	25	65	52	142	110	84	65,5	63	✓	2,50
HSKA63EM32X110	32	72	52	142	110	84	65,5	63	✓	2,70
HSKA100EM6X80	6	25	-	130	80	51	-	100	✓	3,20
HSKA100EM8X80	8	28	-	130	80	51	-	100	✓	3,30
HSKA100EM10X80	10	35	-	130	80	51	-	100	✓	3,40
HSKA100EM12X80	12	42	-	130	80	51	-	100	✓	3,50
HSKA100EM14X80	14	44	-	130	80	51	-	100	✓	3,60
HSKA100EM16X100	16	48	-	150	100	71	-	100	✓	3,70
HSKA100EM18X100	18	50	-	150	100	71	-	100	✓	3,80
HSKA100EM20X100	20	52	-	150	100	71	-	100	✓	3,90
HSKA100EM25X100	25	65	-	150	100	71	-	100	✓	4,00
HSKA100EM32X100	32	72	-	150	100	71	-	100	✓	4,10

SPARE PARTS
ACCESSOIRES

①



②



③



Z03

Z04

Z10

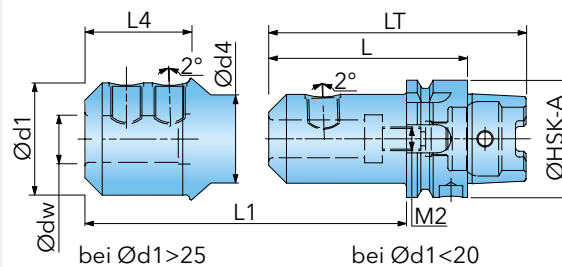
① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Screw - DIN1835 / Vis de serrage - DIN1835

TOOLIN HSK-63/100 END MILL WHISTLE-NOTCH
 HSK-63/100 MANDRIN PORTE FRAISE WHISTLE-NOTCH



DIN 69893 A / DIN 69893 A

DIN 6355/ DIN1835-E / DIN 6355/ DIN1835-E



Designation Réf. de l'article	dw	d1	d4	LT	L	L1	L4	M2	HSK-A	IK	kg
HSKA63EM20X100E	20	52	-	132	100	74	-	M16	63	✓	2,20
HSKA63EM25X110E	25	65	52	142	110	84	65,5	M16	63	✓	2,60
HSKA63EM32X110E	32	72	52	142	110	84	65,5	M20x1,5	63	✓	2,80
HSKA63EM40X120E	40	63	52	152	120	91	65,5	M16	63	✓	3,00
HSKA100EM25X120E	25	65	-	170	120	91	-	M20x1,5	100	✓	4,40
HSKA100EM32X120E	32	72	-	170	120	91	-	M20x1,5	100	✓	4,50
HSKA100EM40X120E	40	80	-	170	120	91	-	M20	100	✓	4,70
HSKA100EM50X140E	50	93	-	190	140	111	-	M20	100	✓	5,00

**SPARE PARTS
ACCESSOIRES**



Z03



Z04



Z10



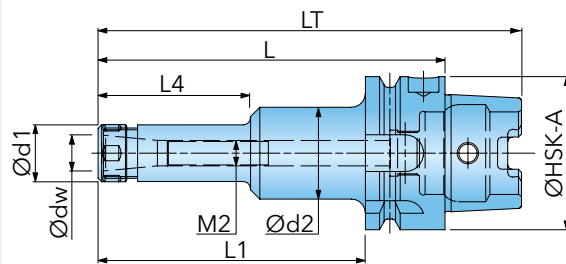
Z23

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Screw - DIN1835 / Vis de serrage - DIN1835
 ④ = Adjusting screw 1835-E (Whistle-Notch) / Vis d'ajustement 1835-E (Whistle-Notch)

DIN 69893 A / DIN 69893 A



DIN 6499 / DIN 6499



Designation Réf. de l'article	dw	d1	d2	LT	L	L1	L4	SpBe	M2	HSK-A	IK	kg
HSKA63ER16X100	ER16	28	-	132	100	74	-	0,5-10	M10	63	✓	1,00
HSKA63ER16X120	ER16	28	-	152	120	94	-	0,5-10	M10	63	✓	1,30
HSKA63ER16X160	ER16	28	40	192	160	134	85,6	0,5-10	M10	63	✓	1,50
HSKA63ER20X100	ER20	34	-	132	100	74	-	1-13	M12	63	✓	1,10
HSKA63ER20X120	ER20	34	-	152	120	94	-	1-13	M12	63	✓	1,50
HSKA63ER20X160	ER20	34	45	192	160	134	85	1-13	M12	63	✓	1,80
HSKA100ER16X100	ER16	28	-	150	100	71	-	0,5-10	M10	100	✓	2,40
HSKA100ER16X160	ER16	28	40	210	160	131	85	0,5-10	M10	100	✓	3,00
HSKA100ER20X100	ER20	34	-	150	100	71	-	1-13	M12	100	✓	3,30
HSKA100ER20X160	ER20	34	45	210	160	131	85	1-13	M12	100	✓	3,50

**SPARE PARTS
ACCESSOIRES**



Z03

Z04

Z12

Z21

Z22

Z20

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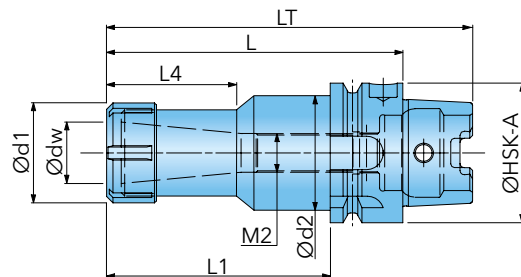
① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Adjusting screw / Vis d'ajustement ④ = Clamping nut / Ecrou ⑤ = Clamping nut / Ecrou ⑥ = Wrench / Clé de serrage ⑦ = Spring collets / Pince

TOOLIN HSK-63/100 COLLET CHUCKS ER25-50
HSK-63/100 MANDRIN A PINCE ER25-50



DIN 69893 A / DIN 69893 A

DIN 6499 / DIN 6499



Designation Réf. de l'article	dw	d1	d2	LT	L	L1	L4	SpBe	M2	HSK-A	IK	kg
HSKA63ER25X80	ER25	42	-	112	80	54	-	1-16	M16	63	✓	0,90
HSKA63ER25X100	ER25	42	-	132	100	74	-	1-16	M16	63	✓	1,00
HSKA63ER25X120	ER25	42	-	152	120	94	-	1-16	M16	63	✓	1,10
HSKA63ER25X160	ER25	42	-	192	160	134	-	1-16	M16	63	✓	1,20
HSKA63ER32X80	ER32	50	40,4	112	80	54	31	2-20	M22x1,5	63	✓	1,30
HSKA63ER32X100	ER32	50	-	132	100	74	-	2-20	M22x1,5	63	✓	1,10
HSKA63ER32X120	ER32	50	-	152	120	94	-	2-20	M22x1,5	63	✓	1,40
HSKA63ER32X140	ER32	50	-	172	140	114	-	2-20	M22x1,5	63	✓	1,50
HSKA63ER32X160	ER32	50	-	192	160	134	-	2-20	M22x1,5	63	✓	1,60
HSKA63ER40X80	ER40	63	50,4	112	80	54	34	3-26	M28x1,5	63	✓	1,70
HSKA63ER40X100	ER40	63	50,4	132	100	74	34	3-26	M28x1,5	63	✓	1,50
HSKA63ER40X120	ER40	63	50,4	152	120	94	34	3-26	M28x1,5	63	✓	1,70
HSKA100ER25X100	ER25	42	-	150	100	71	-	1-16	M16	100	✓	2,60
HSKA100ER25X120	ER25	42	-	170	120	91	-	1-16	M16	100	✓	2,80
HSKA100ER25X160	ER25	42	-	210	160	134	-	1-16	M16	100	✓	3,00
HSKA100ER32X100	ER32	50	-	150	100	71	-	2-20	M22x1,5	100	✓	2,90
HSKA100ER32X120	ER32	50	-	170	120	91	-	2-20	M22x1,5	100	✓	3,10
HSKA100ER32X160	ER32	50	-	210	160	131	-	2-20	M22x1,5	100	✓	3,30
HSKA100ER40X100	ER40	63	-	150	100	71	-	3-26	M28x1,5	100	✓	3,30
HSKA100ER40X120	ER40	63	-	170	120	91	-	3-26	M28x1,5	100	✓	3,60
HSKA100ER40X160	ER40	63	-	210	160	131	-	3-26	M28x1,5	100	✓	3,80
HSKA100ER50X100	ER50	78	-	150	100	71	-	10-34	M28x1,5	100	✓	4,00

SPARE PARTS
ACCESSOIRES



Z03

Z04

Z12

Z21

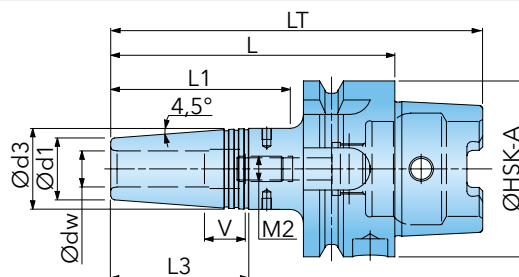
Z22

Z20

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① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Adjusting screw / Vis d'ajustement ④ = Clamping nut / Ecrou ⑤ = Clamping nut / Ecrou ⑥ = Wrench / Clé de serrage ⑦ = Spring collets / Pince

DIN 69893 A / DIN 69893 A



Designation Réf. de l'article	dw	d1	d3	LT	L	L1	L3	V	α	M2	HSK-A	IK	kg
HSKA63SRKIN6X80	6	21	27	112	80	54	36	10	4,5	M5	63	✓	0,90
HSKA63SRKIN6X120	6	21	27	152	120	94	36	10	4,5	M5	63	✓	1,00
HSKA63SRKIN6X160	6	21	27	192	160	134	36	10	4,5	M5	63	✓	1,20
HSKA63SRKIN8X80	8	21	27	112	80	54	36	10	4,5	M6	63	✓	0,90
HSKA63SRKIN8X120	8	21	27	152	120	94	36	10	4,5	M6	63	✓	1,10
HSKA63SRKIN8X160	8	21	27	192	160	134	36	10	4,5	M6	63	✓	1,30
HSKA63SRKIN10X85	10	24	32	117	85	59	42	10	4,5	M8	63	✓	1,10
HSKA63SRKIN10X120	10	24	32	152	120	94	42	10	4,5	M8	63	✓	1,20
HSKA63SRKIN10X160	10	24	32	192	160	134	42	10	4,5	M8	63	✓	1,30
HSKA63SRKIN12X90	12	24	32	122	90	64	47	10	4,5	M10	63	✓	1,00
HSKA63SRKIN12X120	12	24	32	152	120	94	47	10	4,5	M10	63	✓	1,20
HSKA63SRKIN12X160	12	24	32	192	160	134	47	10	4,5	M10	63	✓	1,40
HSKA63SRKIN14X90	14	27	34	122	90	64	47	10	4,5	M10	63	✓	1,00
HSKA63SRKIN14X120	14	27	34	152	120	94	47	10	4,5	M10	63	✓	1,20
HSKA63SRKIN14X160	14	27	34	192	160	134	47	10	4,5	M10	63	✓	1,50
HSKA63SRKIN16X95	16	27	34	127	95	69	50	10	4,5	M12	63	✓	1,00
HSKA63SRKIN16X120	16	27	34	152	120	94	50	10	4,5	M12	63	✓	1,20
HSKA63SRKIN16X160	16	27	34	192	160	134	50	10	4,5	M12	63	✓	1,50
HSKA63SRKIN18X95	18	33	42	127	95	69	50	10	4,5	M12	63	✓	1,20
HSKA63SRKIN18X160	18	33	42	192	160	134	50	10	4,5	M12	63	✓	1,50
HSKA63SRKIN20X100	20	33	42	132	100	74	52	10	4,5	M16	63	✓	1,20
HSKA63SRKIN20X120	20	33	42	152	120	94	52	10	4,5	M16	63	✓	1,40
HSKA63SRKIN20X160	20	33	42	192	160	134	52	10	4,5	M16	63	✓	1,60
HSKA63SRKIN25X115	25	44	53	147	115	89	58	10	4,5	M16	63	✓	1,80
HSKA63SRKIN32X120	32	44	53	152	120	94	61	10	4,5	M16	63	✓	1,80

SPARE PARTS
ACCESSOIRES

①



②



③



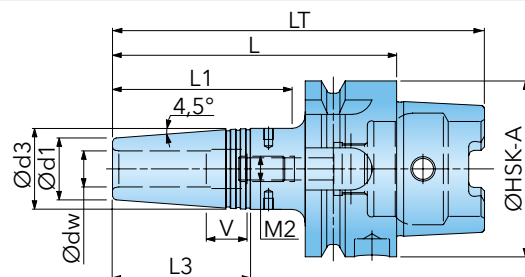
Z03

Z04

Z12

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Adjusting screw / Vis d'ajustement

DIN 69893 A / DIN 69893 A



Designation Réf. de l'article	dw	d1	d3	LT	L	L1	L3	V	α	M2	HSK-A	IK	kg
HSKA100SRKIN6x85	6	21	27	135	85	56	36	10	4,5	M5	100	✓	0,90
HSKA100SRKIN6x120	6	21	27	170	120	91	36	10	4,5	M5	100	✓	1,00
HSKA100SRKIN6x160	6	21	27	210	160	131	36	10	4,5	M6	100	✓	1,20
HSKA100SRKIN8x85	8	21	27	135	85	56	36	10	4,5	M6	100	✓	0,90
HSKA100SRKIN8x120	8	21	27	170	120	91	36	10	4,5	M6	100	✓	1,00
HSKA100SRKIN8x160	8	21	27	210	160	131	36	10	4,5	M6	100	✓	1,50
HSKA100SRKIN10x90	10	24	32	140	90	61	42	10	4,5	M8	100	✓	1,00
HSKA100SRKIN10x120	10	24	32	170	120	91	42	10	4,5	M8	100	✓	1,20
HSKA100SRKIN10x160	10	24	32	210	160	131	42	10	4,5	M8	100	✓	1,50
HSKA100SRKIN12x95	12	24	32	145	95	66	47	10	4,5	M10	100	✓	1,00
HSKA100SRKIN12x120	12	24	32	170	120	91	47	10	4,5	M10	100	✓	1,20
HSKA100SRKIN12x160	12	24	32	210	160	131	47	10	4,5	M10	100	✓	1,50
HSKA100SRKIN14x95	14	27	34	145	95	66	47	10	4,5	M10	100	✓	1,00
HSKA100SRKIN14x120	14	27	34	170	120	91	47	10	4,5	M10	100	✓	1,20
HSKA100SRKIN14x160	14	27	34	210	160	131	47	10	4,5	M10	100	✓	1,50
HSKA100SRKIN16x100	16	27	34	150	100	71	50	10	4,5	M12	100	✓	1,00
HSKA100SRKIN16x120	16	27	34	170	120	91	50	10	4,5	M12	100	✓	1,20
HSKA100SRKIN16x160	16	27	34	210	160	131	50	10	4,5	M12	100	✓	1,50
HSKA100SRKIN18x100	18	33	42	150	100	71	50	10	4,5	M12	100	✓	1,20
HSKA100SRKIN18x160	18	33	42	210	160	131	50	10	4,5	M12	100	✓	1,50
HSKA100SRKIN20x105	20	33	42	155	105	76	52	10	4,5	M16	100	✓	1,20
HSKA100SRKIN20x160	20	33	42	210	160	131	52	10	4,5	M16	100	✓	1,50
HSKA100SRKIN25x115	25	44	53	165	115	86	58	10	4,5	M16	100	✓	1,80
HSKA100SRKIN32x120	32	44	53	170	120	91	61	10	4,5	M16	100	✓	1,90

SPARE PARTS
ACCESSOIRES



Z03

Z04

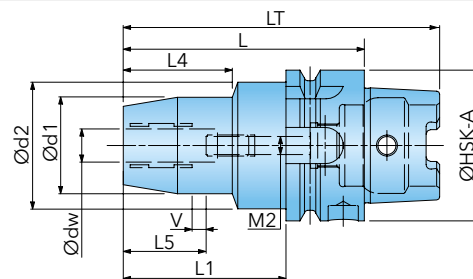
Z12

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Adjusting screw / Vis d'ajustment

TOOLIN HSK-63/100 HYDRAULIC EXPANSION CHUCKS
HSK-63/100 MANDRIN A PINCE HYDRAULIQUE



DIN 69893 A / DIN 69893 A



Designation Réf. de l'article	dw	d1	d2	LT	L	L1	L4	L5	v	M2	HSK-A	IK	kg
HSKA63HC10SA080-G6	10	30	50	112	80	54	35	41	10	M8x1	63	✓	1,10
HSKA63HC12SA085-G6	12	32	50	117	85	59	40	46	10	M10x1	63	✓	1,10
HSKA63HC16SA090-G6	16	38	50	122	90	64	46	49	10	M12x1	63	✓	1,20
HSKA63HC20SA090-G6	20	42	50	122	90	64	48	51	10	M16x1	63	✓	1,30
HSKA100HC12SA095-G6	12	32	50	145	95	66	47	46	10	M10x1	100	✓	2,60
HSKA100HC16SA100-G6	16	38	50	150	100	71	53	49	10	M12x1	100	✓	2,70
HSKA100HC20SA105-G6	20	42	50	155	105	76	59	51	10	M16x1	100	✓	2,80
HSKA100HC25SA110-G6	25	57	63	160	110	81	62	57	10	M16x1	100	✓	3,70
HSKA100HC32SA110-G6	32	64	75	160	110	81	62	61	10	M16x1	100	✓	3,80

SPARE PARTS
ACCESSOIRES

①



Z03

②



Z04

③



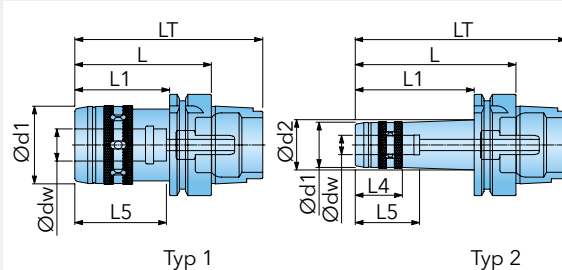
Z14

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Sleeves / Pincas intermédiaires

TOOLIN HSK-63 / 100 HIGH PRECISION ULTRA TIGHT ADAPTION
 HSK-63 / 100 ATTACHEMENT HAUTE PRECISION FORT SERRAGE



DIN 69893 A / DIN 69893 A



Designation Réf. de l'article	dw	d1	d2	LT	L	L1	L4	L5	HSK-A	Typ	IK	kg
HSK-A63 MF12.100	12	28	32	132	100	74	29,5	46	63	2	✓	1,10
HSK-A63 MF20.85	20	48	-	117	85	59	-	60	63	1	✓	1,20
HSK-A63 MF32.105	32	66	-	137	105	-	-	80	63	1	✓	2,00
HSK-A100 MF20.95	20	48	-	127	95	66	-	60	100	1	✓	2,80
HSK-A100 MF32.110	32	66	-	160	110	81	-	80	100	1	✓	3,10

SPARE PARTS
ACCESSOIRES



Z03

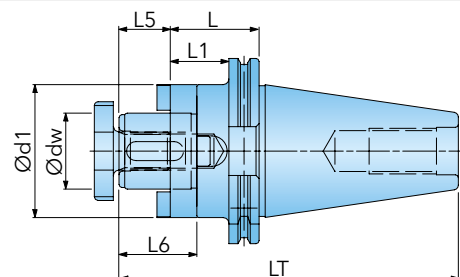


Z04



Z15

① = Coolant tube / Tube de lubrification ② = Socket wrench / Clé de fixation ③ = Sleeves / Pinces intermédiaires



Designation Réf. de l'article	dw	d1	LT	L	L1	L5	L6	SK	kg
DIN6987140SEMC16X55	16	32	123,4	55	35,9	17	27	40	1,20
DIN6987140SEMC16X100	16	32	168,4	100	80,9	17	27	40	1,30
DIN6987140SEMC22X55	22	40	123,4	55	35,9	19	31	40	1,30
DIN6987140SEMC22X100	22	40	168,4	100	80,9	19	31	40	1,80
DIN6987140SEMC27X55	27	48	123,4	55	35,9	21	33	40	1,50
DIN6987140SEMC27X100	27	48	168,4	100	80,9	21	33	40	2,20
DIN6987140SEMC32X60	32	58	128,4	60	45,9	24	38	40	1,80
DIN6987140SEMC32X100	32	58	168,4	100	80,9	24	38	40	2,70
DIN6987140SEMC40X60	40	70	128,4	60	40,9	27	41	40	2,20
DIN6987150SEMC16X55	16	32	156,75	55	35,9	17	27	50	3,00
DIN6987150SEMC16X100	16	32	201,75	100	80,9	17	27	50	3,60
DIN6987150SEMC22X55	22	40	156,75	55	35,9	19	31	50	3,20
DIN6987150SEMC22X100	22	40	201,75	100	80,9	19	31	50	3,90
DIN6987150SEMC27X55	27	48	156,75	55	35,9	21	33	50	3,50
DIN6987150SEMC27X100	27	48	201,75	100	80,9	21	33	50	4,30
DIN6987150SEMC32X55	32	58	156,75	55	35,9	24	38	50	3,70
DIN6987150SEMC32X100	32	58	201,75	100	80,9	24	38	50	5,00
DIN6987150SEMC40X55	40	70	156,75	55	35,9	27	41	50	4,20
DIN6987150SEMC40X100	40	70	201,75	100	80,9	27	41	50	5,60
DIN6987150SEMC50X70	50	90	171,75	70	50,9	30	46	50	6,00
DIN6987150SEMC60X80	60	110	181,75	80	60,9	50	66	50	7,50

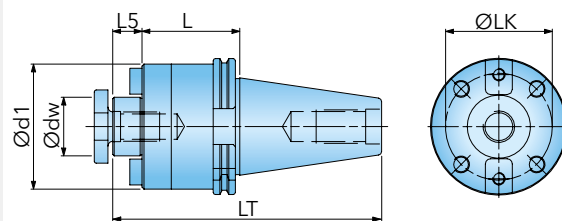
SPARE PARTS ACCESSOIRES	①	②	③	④	⑤
Z01	Z05	Z06	Z17	Z16	

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_ ② = Cutter retaining screws / Vis de serrage pour fraise ③ = Wrench for cutter retaining screws / Clé de serrage
④ = Feather key / Clavette ⑤ = Driving collar / Axe de guidage

TOOLIN ISO 40/50 DIN69871A SHELL END MILL ARBORS BIG COLLAR
ISO 40/50 DIN69871A MANDRIN PORTE FRAISE A ALESAGE GRANDE PORTÉE



DIN 69871 A / DIN 69871 A



Designation Réf. de l'article	dw	d1	LT	L	L5	LK	SK	IK	kg
69871A40SM16SA35 ¹⁾	16	38	103,4	35	17	-	40	✓	1,50
69871A40SM22SA35 ¹⁾	22	48	103,4	35	19	-	40	✓	1,60
69871A40SM27SA35 ¹⁾	27	50	103,4	35	21	-	40	✓	1,70
69871A40SM32SA50 ¹⁾	32	78	118,4	50	24	-	40	✓	1,90
69871A40FM40SA50 ¹⁾	40	89	118,4	50	27	66,7	40	✓	2,10
69871A50SM16SA35 ¹⁾	16	38	136,75	35	17	-	50	✓	3,00
69871A50SM22SA35 ¹⁾	22	48	136,75	35	19	-	50	✓	3,10
69871A50SM22SA50	22	48	151,75	50	19	-	50		3,30
69871A50SM22SA75	22	48	176,75	75	19	-	50		3,70
69871A50SM22SA100	22	48	201,75	100	19	-	50		4,00
69871A50SM22SA200 ¹⁾	22	48	301,75	200	19	-	50	✓	6,00
69871A50SM22SA300 ¹⁾	22	61	401,75	300	19	-	50	✓	8,00
69871A50SM27SA35 ¹⁾	27	60	136,75	35	21	-	50	✓	3,50
69871A50SM27SA50	27	78	151,75	50	21	-	50		4,10
69871A50SM27SA75	27	78	176,75	75	21	-	50		5,00
69871A50SM27SA100	27	78	201,75	100	21	-	50		5,90
69871A50SM27SA160	27	78	261,75	160	21	-	50		8,20
69871A50SM27SA300 ¹⁾	27	61	401,75	300	21	-	50	✓	10,00
69871A50SM32SA35 ¹⁾	32	78	136,75	35	24	-	50	✓	3,50
69871A50SM32SA50	32	78	151,75	50	24	-	50		4,10
69871A50SM32SA75	32	78	176,75	75	24	-	50		5,00
69871A50SM32SA100	32	78	201,75	100	24	-	50		6,00
69871A50SM32SA160	32	78	261,75	160	24	-	50		8,20
69871A50SM32SA370 ¹⁾	32	78	471,75	370	24	-	50	✓	14,00
69871A50FM40SA35 ¹⁾	40	97,5	136,75	35	27	66,7	50	✓	3,70
69871A50FM40SA50 ²⁾	40	97,5	151,75	50	27	66,7	50		4,60
69871A50FM40SA75 ²⁾	40	97,5	176,75	75	27	66,7	50		6,00
69871A50FM40SA100 ²⁾	40	97,5	201,75	100	27	66,7	50		7,50
69871A50FM40SA160 ²⁾	40	97,5	261,75	160	27	66,7	50		11,00

¹⁾ DIN 69871 AD+B / DIN 69871 AD+B; ²⁾ no free neck like DIN 69871 A / colerette non dégagée comme DIN69871A

SPARE PARTS
ACCESSOIRES



Z01

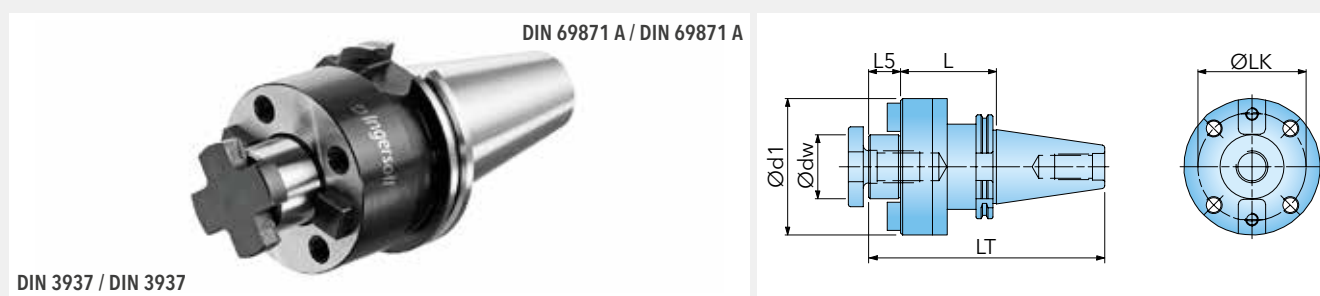


Z05



Z06

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_ ② = Cutter retaining screws / Vis de serrage pour fraise ③ = Wrench for cutter retaining screws / Clé de serrage

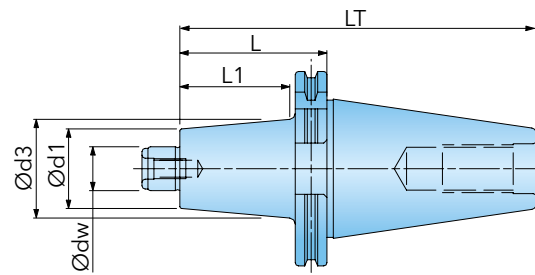


Designation Réf. de l'article	dw	d1	LT	L	L5	LK	SK	kg
DIN6987140FM40	40	88	128,4	60	27	66,7	40	2,70
DIN6987150FM40X70	40	88	171,75	70	27	66,7	50	5,30
DIN6987150FM60X70	60	128	171,75	70	40	101,6	50	7,80

SPARE PARTS ACCESSOIRES	①	②	③
Z01	Z05	Z06	

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_ ② = Cutter retaining screws / Vis de serrage pour fraise ③ = Wrench for cutter retaining screws / Clé de serrage

TOOLIN ISO 40/50 DIN69871A SHELL END MILL ARBORS "EXTRA LONG"
ISO 40/50 DIN69871A MANDRIN PORTE FRAISE À ALÉSAGE "EXTRA LONG"



Designation Réf. de l'article	dw	d1	d3	LT	L	L1	SK		
69871A40SM22SK052	22	40	45	120,4	52	25	40	✓	1,30
69871A40SM22SK077	22	40	45	145,4	77	50	40	✓	1,50
69871A40SM22SK102	22	40	50	170,4	102	75	40	✓	2,00
69871A40SM22SK127	22	40	50	195,4	127	100	40	✓	2,20
69871A50SM22SK077	22	40	50	178,75	77	50	50	✓	3,60
69871A50SM22SK127	22	40	50	228,75	127	100	50	✓	4,40
69871A50SM22SK177	22	40	62	278,75	177	150	50	✓	5,50
69871A50SM27SA047	27	60	60	148,75	47	20	50	✓	4,30
69871A50SM27SK077	27	60	65	178,75	77	50	50	✓	4,30
69871A50SM27SK127	27	60	65	228,75	127	100	50	✓	6,50
69871A50SM27SK177	27	60	78	278,75	177	150	50	✓	8,20
69871A50SM32SA077	32	78	78	178,75	77	50	50	✓	5,30
69871A50SM32SA127	32	78	78	228,75	127	100	50	✓	6,80
69871A50SM40SA077	40	89	89	178,75	77	50	50	✓	6,10
69871A50SM40SA127	40	89	89	228,75	127	100	50	✓	8,50

SPARE PARTS
ACCESSOIRES



Z01

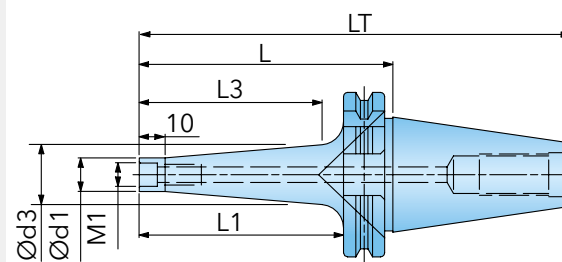
Z05

Z06

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_ ② = Cutter retaining screws / Vis de serrage pour fraise ③ = Wrench for cutter retaining screws / Clé de serrage



DIN 69871 AD+B / DIN 69871 AD+B



Designation Réf. de l'article	d1	d3	LT	L	L1	L3	M1	SK		
DIN69871400DP6x58	9,7	13	126,4	58	38,9	32	M6	40	✓	0,80
DIN69871400DP6x98	9,7	23	166,4	98	78,9	74	M6	40	✓	0,90
DIN69871400DP8x38	13	13	106,4	38	18,9	10	M8	40	✓	0,80
DIN69871400DP8x58	13	15	126,4	58	38,9	32	M8	40	✓	0,80
DIN69871400DP8x78	13	23	146,4	78	58,9	50	M8	40	✓	0,90
DIN69871400DP8x98	13	23	166,4	98	78,9	74	M8	40	✓	0,90
DIN69871400DP10x38	18	18	106,4	38	18,9	10	M10	40	✓	0,80
DIN69871400DP10x58	18	20	126,4	58	38,9	32	M10	40	✓	0,90
DIN69871400DP10x78	18	25	146,4	78	58,9	50	M10	40	✓	0,90
DIN69871400DP10x98	18	28	166,4	98	78,9	74	M10	40	✓	1,00
DIN69871400DP12x38	21	21	106,4	38	18,9	10	M12	40	✓	0,80
DIN69871400DP12x58	21	24	126,4	58	38,9	34	M12	40	✓	1,10
DIN69871400DP12x78	21	24	146,4	78	58,9	50	M12	40	✓	0,90
DIN69871400DP12x98	21	31	166,4	98	78,9	75	M12	40	✓	1,00
DIN69871400DP12x118	21	31	186,4	118	98,9	90	M12	40	✓	1,10
DIN69871400DP16x38	29	29	106,4	38	18,9	10	M16	40	✓	0,90
DIN69871400DP16x58	29	29	126,4	58	38,9	33	M16	40	✓	0,90
DIN69871400DP16x78	29	34	146,4	78	58,9	50	M16	40	✓	1,00
DIN69871400DP16x98	29	34	166,4	98	78,9	75	M16	40	✓	1,20

SPARE PARTS
ACCESSOIRES



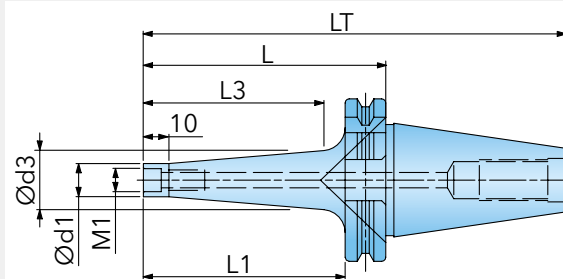
Z01

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_

TOOLIN ISO 50 DIN69871AD+B SCREW-IN TYPE
ISO 50 DIN69871AD+B MANDRIN PORTE FRAISES À VISSER



DIN 69871 AD+B / DIN 69871 AD+B



Designation Réf. de l'article	d1	d3	LT	L	L1	L3	M1	SK		
DIN69871500DP8X78	13	13	179,75	78	58,9	50	M8	50	✓	2,70
DIN69871500DP8X128	13	25	229,75	128	108,9	100	M8	50	✓	2,90
DIN69871500DP8X178	13	25	279,75	178	158,9	150	M8	50	✓	3,40
DIN69871500DP8X228	13	35	329,75	228	208,9	200	M8	50	✓	2,70
DIN69871500DP10X78	18	18	179,75	78	58,9	50	M10	50	✓	2,90
DIN69871500DP10X128	18	32	229,75	128	108,9	100	M10	50	✓	3,00
DIN69871500DP10X178	18	45	279,75	178	158,9	150	M10	50	✓	3,60
DIN69871500DP10X228	18	50	329,75	228	208,9	200	M10	50	✓	4,10
DIN69871500DP12X78	23	30	179,75	78	58,9	50	M12	50	✓	2,80
DIN69871500DP12X128	23	40	229,75	128	108,9	100	M12	50	✓	3,20
DIN69871500DP12X178	23	40	279,75	178	158,9	150	M12	50	✓	3,50
DIN69871500DP12X228	23	46	329,75	228	208,9	200	M12	50	✓	4,10
DIN69871500DP16x38	29	29	139,75	38	18,9	10	M16	50	✓	2,70
DIN69871500DP16X78	29	34	179,75	78	58,9	50	M16	50	✓	2,90
DIN69871500DP16X128	29	40	229,75	128	108,9	100	M16	50	✓	3,30
DIN69871500DP16X178	29	55	279,75	178	158,9	150	M16	50	✓	4,20
DIN69871500DP16X228	29	55	329,75	228	208,9	200	M16	50	✓	4,70

SPARE PARTS
ACCESSOIRES



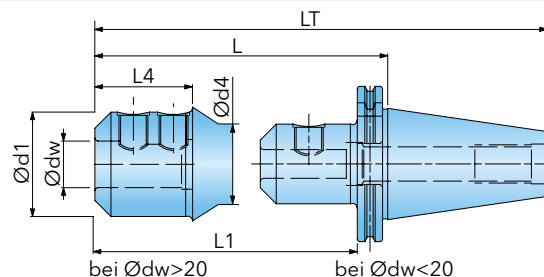
Z01

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_

DIN 69871 AD / DIN 69871 AD



DIN 6359/ DIN1835-B / DIN 6359/ DIN1835-B



Designation Réf. de l'article	dw	d1	d4	LT	L	L1	L4	SK	IK	kg
DIN6987140EM6X50	6	25	-	118,4	50	30,9	-	40	✓	1,00
DIN6987140EM8X50	8	28	-	118,4	50	30,9	-	40	✓	1,00
DIN6987140EM10X50	10	35	-	118,4	50	30,9	-	40	✓	1,10
DIN6987140EM12X50	12	42	-	118,4	50	30,9	-	40	✓	1,10
DIN6987140EM14X63	14	44	-	131,4	63	43,9	-	40	✓	1,30
DIN6987140EM16X63	16	48	-	131,4	63	43,9	-	40	✓	1,40
DIN6987140EM18X63	18	50	49	131,4	63	43,9	28,5	40	✓	1,40
DIN6987140EM20X63	20	52	49	131,4	63	43,9	28,5	40	✓	1,40
DIN6987140EM25X100	25	65	49	168,4	100	80,9	65	40	✓	2,40
DIN6987140EM32X100	32	71	49	168,4	100	80,9	65	40	✓	2,70
DIN6987150EM6X63	6	25	-	164,75	63	43,9	-	50	✓	2,80
DIN6987150EM8X63	8	28	-	164,75	63	43,9	-	50	✓	2,90
DIN6987150EM10X63	10	35	-	164,75	63	43,9	-	50	✓	3,00
DIN6987150EM12X63	12	42	-	164,75	63	43,9	-	50	✓	3,10
DIN6987150EM14X63	14	44	-	164,75	63	43,9	-	50	✓	3,10
DIN6987150EM16X63	16	48	-	164,75	63	43,9	-	50	✓	3,20
DIN6987150EM18X63	18	50	-	164,75	63	43,9	-	50	✓	3,20
DIN6987150EM20X63	20	52	-	164,75	63	43,9	-	50	✓	3,30
DIN6987150EM25X80	25	65	-	181,75	80	60,9	-	50	✓	3,90
DIN6987150EM32X100	32	72	-	201,75	100	80,9	-	50	✓	4,70
DIN6987150EM40X100	40	90	79,9	201,75	100	80,9	43	50	✓	5,30
DIN6987150EM50X125	50	98	79,9	226,75	125	105,9	90	50	✓	6,90

SPARE PARTS
ACCESSOIRES



Z01

Z10

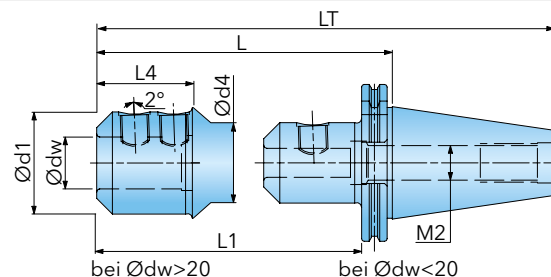
① = Draw bolt DIN_/ISO_/ Tirette DIN_/ISO_ ② = Screw - DIN1835 / Vis de serrage - DIN1835

TOOLIN ISO 40/50 DIN69871AD END MILL WHISTLE-NOTCH
ISO 40/50 DIN69871AD MANDRIN PORTE FRAISE WHISTLE-NOTCH



DIN 69871 AD / DIN 69871 AD

DIN 6359/ DIN1835-E / DIN 6359/ DIN1835-E



Designation Réf. de l'article	dw	d1	d4	LT	L	L1	L4	M2	SK		
DIN6987140EM20X63E	20	52	49	131,4	63	43,9	29	M16	40	✓	1,40
DIN6987140EM25X100E	25	65	49	168,4	100	80,9	65	M20x1,5	40	✓	2,40
DIN6987140EM32X100E	32	72	49	168,4	100	80,9	65	M20x1,5	40	✓	2,70
DIN6987140EM40X120E	40	80	-	188,4	120	80,9	-	M20x1,5	40	✓	3,50
DIN6987150EM25X80E	25	65	-	181,75	80	60,9	-	M20x1,5	50	✓	4,00
DIN6987150EM32X100E	32	72	-	201,75	100	80,9	-	M20x1,5	50	✓	4,70
DIN6987150EM40X100E	40	90	79,9	201,75	100	80,9	43	M20x1,5	50	✓	5,30
DIN6987150EM50X125E ¹⁾	50	90	79,9	226,75	125	80,9	68	M20x1,5	50	✓	6,90

¹⁾ Collant supply all to DIN 69871 design AD+B / Arrosage par le centre suivant DIN69871 version AD+B

SPARE PARTS
ACCESSOIRES



Z01

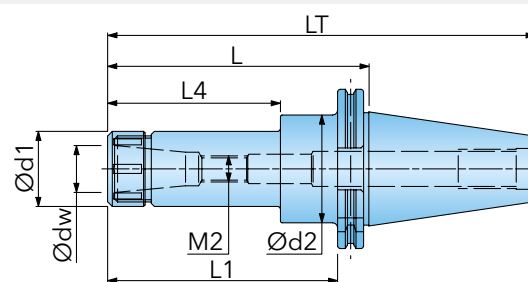


Z10



Z23

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_ ② = Screw - DIN1835 / Vis de serrage - DIN1835
③ = Adjusting screw 1835-E (Whistle-Notch) / Vis d'ajustment 1835-E (Whistle-Notch)



Designation Réf. de l'article	dw	d1	d2	LT	L	L1	L4	SpBe	M2	SK	IK	kg
DIN6987140ER16X63	ER16	28	-	131,4	63	43,5	-	0,5-10	M10	40	✓	1,00
DIN6987140ER16X100	ER16	28	-	168,4	100	80,9	-	0,5-10	M10	40	✓	1,20
DIN6987140ER16X160	ER16	28	40	228,4	160	140,9	85	0,5-10	M10	40	✓	1,70
DIN6987140ER20X63	ER20	34	-	131,4	63	43,9	-	1-13	M12	40	✓	1,10
DIN6987140ER20X100	ER20	34	-	168,4	100	80,9	-	1-13	M12	40	✓	1,30
DIN6987140ER20X160	ER20	34	44	228,4	160	140,9	91	1-13	M12	40	✓	1,90
DIN6987150ER16X100	ER16	28	-	201,75	100	80,9	-	0,5-10	M10	50	✓	3,00
DIN6987150ER16X160	ER16	28	40	261,75	160	140,9	85	0,5-10	M10	50	✓	3,50
DIN6987150ER16X200	ER16	28	40	301,75	200	180,9	110	0,5-10	M10	50	✓	3,70
DIN6987150ER20X100	ER20	34	-	201,75	100	80,9	-	1-13	M12	50	✓	3,10
DIN6987150ER20X160	ER20	34	45	261,75	160	140,9	86	1-13	M12	50	✓	3,80

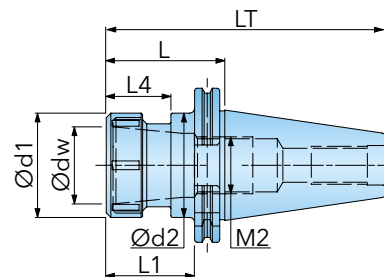
SPARE PARTS ACCESSOIRES	①	②	③	④	⑤	⑥
Z01	Z12	Z21	Z22	Z20	--	

① = Draw bolt DIN_/ISO_/ Tirette DIN_/ISO_ ② = Adjusting screw IC / Vis d'ajustement IC ③ = Clamping nut / Ecrou ④ = Clamping nut / Ecrou
⑤ = Wrench / Clé de serrage ⑥ = Spring collets / Pince

TOOLIN ISO 40/50 DIN69871AD COLLET CHUCKS ER25-50
ISO 40/50 DIN69871AD MANDRIN A PINCE ER25-50



DIN 6499 / DIN 6499



Designation Réf. de l'article	dw	d1	d2	LT	L	L1	L4	SpBe	M2	SK	IK	kg
DIN6987140ER25X65	ER25	42	32,4	133,4	65	45,9	28	1-16	M16x2	40	✓	1,10
DIN6987140ER25X100	ER25	42	-	168,4	100	80,9	-	1-16	M16x2	40	✓	1,50
DIN6987140ER25X150	ER25	42	-	218,4	150	130,9	-	1-16	M16x2	40	✓	2,00
DIN6987140ER32X65	ER32	50	40,4	133,4	65	45,9	32	2-20	M22x1,5	40	✓	1,10
DIN6987140ER32X100	ER32	50	49	168,4	100	80,9	35	2-20	M22x1,5	40	✓	1,60
DIN6987140ER32X150	ER32	50	49	218,4	150	130,9	35	2-20	M22x1,5	40	✓	2,30
DIN6987140ER40X70	ER40	63	50,4	138,4	70	50,9	32	3-26	M28x1,5	40	✓	1,20
DIN6987140ER40X100	ER40	63	50,4	168,4	100	80,9	32	3-26	M28x1,5	40	✓	1,60
DIN6987150ER25X100	ER25	42	-	201,75	100	80,9	-	1-16	M16x2	50	✓	3,30
DIN6987150ER25X150	ER25	42	50	251,75	150	130,9	80,9	1-16	M16x2	50	✓	4,00
DIN6987150ER25X200	ER25	42	55	301,75	200	180,9	85	1-16	M16x2	50	✓	5,00
DIN6987150ER32X100	ER32	50	-	201,75	100	80,9	-	2-20	M22x1,5	50	✓	3,50
DIN6987150ER32X150	ER32	50	-	251,75	150	130,9	-	2-20	M22x1,5	50	✓	4,20
DIN6987150ER32X200	ER32	50	-	301,75	200	180,9	-	2-20	M22x1,5	50	✓	4,80
DIN6987150ER40X100	ER40	63	-	201,75	100	80,9	-	3-26	M28x1,5	50	✓	3,90
DIN6987150ER40X150	ER40	63	-	251,75	150	130,9	-	3-26	M28x1,5	50	✓	5,00
DIN6987150ER40X200	ER40	63	-	301,75	200	180,9	-	3-26	M28x1,5	50	✓	6,10
DIN6987150ER50X100	ER50	78	-	201,75	100	80,9	-	10-34	M36x1,5	50	✓	4,20
DIN6987150ER50X150	ER50	78	-	251,75	150	130,9	-	10-34	M36x1,5	50	✓	5,90

SPARE PARTS
ACCESSOIRES



Z01

Z12

Z21

Z22

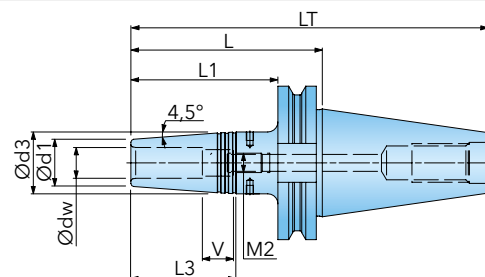
Z20

..

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_ ② = Adjusting screw IC / Vis d'ajustement IC ③ = Clamping nut / Ecrou ④ = Clamping nut / Ecrou
⑤ = Wrench / Clé de serrage ⑥ = Spring collets / Pince



DIN 69871 AD / DIN 69871 AD



Designation Réf. de l'article	dw	d1	d3	LT	L	L1	L3	V	α	M2	SK	IK	kg
DIN6987140SRKIN6X80	6	21	27	148,4	80	60,9	36	10	4,5	M5	40	✓	1,00
DIN6987140SRKIN8X80	8	21	27	148,4	80	60,9	36	10	4,5	M6	40	✓	1,10
DIN6987140SRKIN10X80	10	24	32	148,4	80	60,9	42	10	4,5	M8	40	✓	1,10
DIN6987140SRKIN12X80	12	24	32	148,4	80	60,9	47	10	4,5	M10	40	✓	1,20
DIN6987140SRKIN14X80	14	27	34	148,4	80	60,9	47	10	4,5	M10	40	✓	1,20
DIN6987140SRKIN16X80	16	27	34	148,4	80	60,9	50	10	4,5	M12	40	✓	1,30
DIN6987140SRKIN18X80	18	33	42	148,4	80	60,9	50	10	4,5	M12	40	✓	1,30
DIN6987140SRKIN20X80	20	33	42	148,4	80	60,9	52	10	4,5	M16	40	✓	1,40
DIN6987140SRKIN25X100	25	44	53	168,4	100	80,9	58	10	4,5	M16	40	✓	1,50
DIN6987150SRKIN6x80	6	21	27	181,75	80	60,9	36	10	4,5	M5	50	✓	2,70
DIN6987150SRKIN8x80	8	21	27	181,75	80	60,9	36	10	4,5	M6	50	✓	2,70
DIN6987150SRKIN10x80	10	24	32	181,75	80	60,9	42	10	4,5	M8	50	✓	2,80
DIN6987150SRKIN12x80	12	24	32	181,75	80	60,9	47	10	4,5	M10	50	✓	2,80
DIN6987150SRKIN14x80	14	27	34	181,75	80	60,9	47	10	4,5	M10	50	✓	2,80
DIN6987150SRKIN16x80	16	27	34	181,75	80	60,9	50	10	4,5	M12	50	✓	2,80
DIN6987150SRKIN18x80	18	33	42	181,75	80	60,9	50	10	4,5	M12	50	✓	3,10
DIN6987150SRKIN20x80	20	33	42	181,75	80	60,9	52	10	4,5	M16	50	✓	3,20
DIN6987150SRKIN25x100	25	44	53	201,75	100	80,9	58	10	4,5	M16	50	✓	3,50
DIN6987150SRKIN32x100	32	44	53	201,75	100	80,9	61	10	4,5	M16	50	✓	4,30

SPARE PARTS
ACCESSOIRES

①



②



Z01

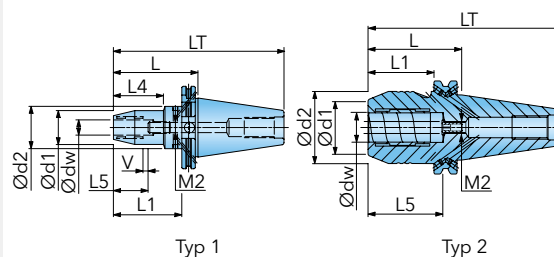
Z12

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_ ② = Adjusting screw / Vis d'ajustment

TOOLIN ISO 40/50 DIN69871AD+B HYDRAULIC EXPANSION CHUCKS
ISO 40/50 DIN69871AD+B MANDRIN À PINCES HYDRAULIQUE



DIN 69871 AD+B / DIN 69871 AD+B



Designation Réf. de l'article	dw	d1	d2	LT	L	L1	L4	L5	V	M2	SK	Typ	IK	kg
69871A40HC06SA080-G2	6	26	49,5	148,9	80,5	61,5	29,5	37	10	M5	40	1	✓	1,40
69871A40HC08SA080-G2	8	28	49,5	148,9	80,5	61,5	30	37	10	M6	40	1	✓	1,40
69871A40HC10SA080-G2	10	30	49,5	148,9	80,5	61,5	31	41	10	M8x1	40	1	✓	1,40
69871A40HC12SA080-G2	12	32	49,5	148,9	80,5	61,5	31,5	46	10	M10x1	40	1	✓	1,40
69871A40HC16SA080-G2	16	38	49,5	148,9	80,5	61,5	33	49	10	M12x1	40	1	✓	1,40
69871A40HC20SA080-G2	20	42	49,5	148,9	80,5	61,5	34	51	10	M16x1	40	1	✓	1,40
69871A40HC25SA080-G2	25	55	66	148,9	80,5	61,5	22	57	10	M16x1	40	1	✓	1,80
69871A50HC12SA050-G6	12	32	42	151,75	50,0	31,0	-	46	10	M8x1	50	2	✓	2,80
69871A50HC20SA080-G6	20	42	49,5	182,25	80,5	61,5	-	51	10	M16x1	50	1	✓	3,30
69871A50HC20SA064-G6	20	38	49,3	166,25	64,5	45,5	-	51	10	M8x1	50	2	✓	3,10
69871A50HC32SA081-G6	32	58,5	72	182,75	81,0	62,0	-	61	10	M8x1	50	2	✓	4,10

SPARE PARTS
ACCESSOIRES



Z01



Z14

① = Draw bolt DIN_/ISO_ / Tirette DIN_/ISO_ ② = Sleeves / Pinces intermédiaires

TOOLIN DIN 69871-AD/B40/50 HIGH PRECISION ULTRA TIGHT ADAPTION
DIN 69871-AD/B40/50 ATTACHEMENT FORT SERRAGE HAUTE PRÉCISION

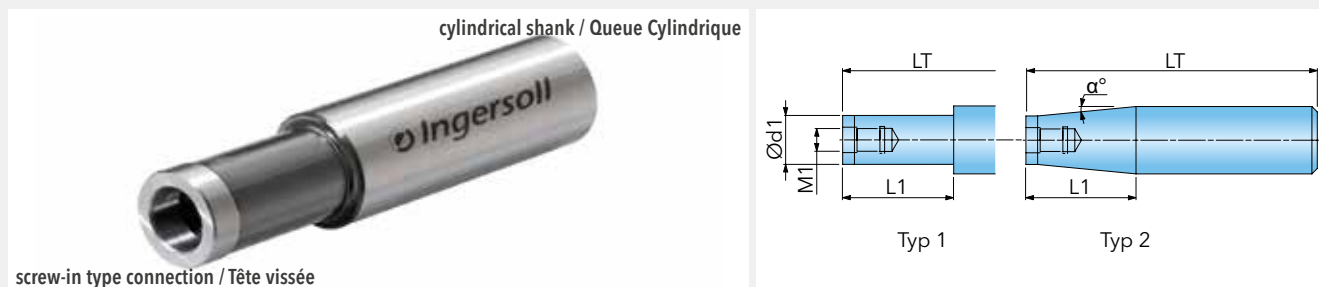


Designation Réf. de l'article	dw	d1	d2	LT	L	L1	L4	L5	SK	Typ	IK	kg
DIN69871-AD40MF12.100	12	28	32	168,4	100	81	29,5	46	40	2	✓	1,10
DIN69871-AD40MF20.60	20	48	-	128,4	60	41	-	63	40	1	✓	1,20
DIN69871-AD40MF32.95	32	66	-	163,4	95	-	-	80	40	1	✓	1,60
DIN69871-AD50MF20.80	20	48	-	181,75	80	61	-	63	50	1	✓	2,30
DIN69871-AD50MF32.75	32	66	-	176,75	75	56	-	80	50	1	✓	2,80

SPARE PARTS ACCESSOIRES	①	②
	Z01	Z15

① = Draw bolt DIN_/ISO_/ Tirette DIN_/ISO_ ② = Sleeves / Pincas intermédiaires

TOPON STEEL EXTENSION CYLINDRICAL/CONICAL (SCREW-IN TYPE)
RALLONGE ACIER CYLINDRIQUE / CONIQUE (TÊTE VISSÉE)



Designation Réf. de l'article	d	d1	LT	L1	α	M1	Typ	IK	kg
SM06-L60-C10 ¹⁾	10	9,8	60	20	-	M6	1	✓	0,05
SM06-L105-C12 ²⁾	12	9,8	105	60	1,2	M6	2	✓	0,09
SM06-L125-C16 ²⁾	16	9,8	125	60	3,3	M6	2	✓	0,10
SM08-L73-C16 ¹⁾	16	13	73	25	-	M8	1	✓	0,11
SM08-L128-C16 ²⁾	16	13	128	80	0,9	M8	2	✓	0,18
SM08-L170-C20 ²⁾	20	13	170	67	3,3	M8	2	✓	0,35
SM10-L80-C20 ¹⁾	20	18	80	30	-	M10	1	✓	0,18
SM10-L130-C20 ²⁾	20	18	130	80	0,6	M10	2	✓	0,27
SM10-L200-C25 ²⁾	25	19	200	57	3,3	M10	2	✓	0,45
SM12-L86-C25 ²⁾	25	21	86	30	5,1	M12	2	✓	0,20
SM12-L200-C32 ²⁾	32	21	200	78	4,4	M12	2	✓	0,60
SM16-L95-C32 ²⁾	32	29	95	35	1,7	M16	2	✓	0,54
SM16-L230-C32 ²⁾	32	29	230	50	1,8	M16	2	✓	0,60

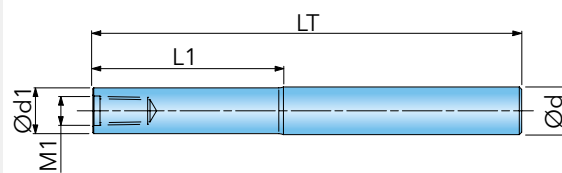
¹⁾ Cylindrical; ²⁾ Conical

TOPON HEAVY METAL EXTENSION - CYLINDRICAL (SCREW-IN TYPE)
RALLONGE EN MÉTAL LOURD CYLINDRIQUE (TÊTE VISSÉE)

cylindrical shank / Queue Cylindrique



screw-in type connection / Tête vissée



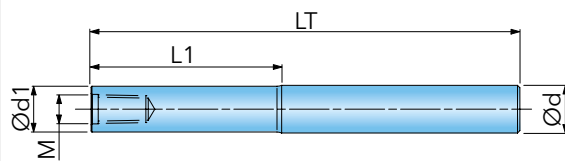
Designation Réf. de l'article	d	d1	LT	L1	M1	kg
S016MOD08HA040	16	13	88	40	M8	0,240
S016MOD08HA060	16	13	108	60	M8	0,030
S016MOD08HA080	16	13	128	80	M8	0,331
S016MOD08HA100	16	13	148	100	M8	0,377

TOPON SOLID CARBIDE EXTENSION - CYLINDRICAL (SCREW-IN TYPE)
RALLONGE CYLINDRIQUE EN CARBURE (TÊTE VISSÉE)

cylindrical shank / Queue Cylindrique



screw-in type connection / Tête vissée



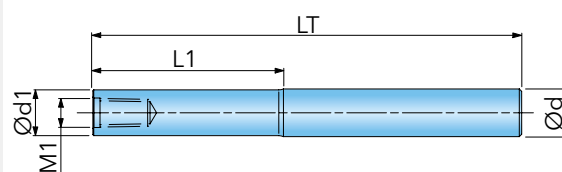
Designation Réf. de l'article	d	d1	LT	L1	M		
S010MOD06CA031-01	10	9,8	80	31	M6	✓	0,078
S010MOD06CA040-01	10	-	80	-	M6	✓	0,079
S010MOD06CA060-01	10	9,8	110	60	M6	✓	0,175
S010MOD06CA080-01	10	9,8	130	80	M6	✓	0,130
S010MOD06CA100-01	10	9,8	150	100	M6	✓	0,154
S012MOD06CA031-01	12	11	80	31	M6	✓	0,108
S012MOD06CA035-01	12	-	80	-	M6	✓	0,118
S012MOD06CA040-01	12	11,8	88	40	M6	✓	0,128
S012MOD06CA060-02	12	11,8	108	60	M6	✓	0,159
S012MOD06CA080-01	12	11,8	128	80	M6	✓	0,188
S012MOD06CA100-01	12	11	150	100	M6	✓	0,217
S012MOD06CA100-02	12	11,8	148	100	M6	✓	0,220
S014MOD08CA035-01	14	-	80	-	M8	✓	0,154
S016MOD08CA055-01	16	14,4	120	55	M8	✓	0,299
S016MOD08CA135-01	16	14,4	200	135	M8	✓	0,528
S018MOD10CA152-01	18	-	200	-	M10	✓	0,669
S020MOD10CA055-01	20	18	120	55	M10	✓	0,469
S020MOD10CA135-01	20	18	200	135	M10	✓	0,767
S025MOD12CA060-01	25	22,5	125	60	M12	✓	0,733
S025MOD12CA080-03	25	22,5	145	80	M12	✓	0,847
S025MOD12CA100-01	25	22,5	165	100	M12	✓	0,965
S025MOD12CA157-01	25	22,5	250	157	M12	✓	1,624
S025MOD12CA207-02	25	22,5	300	207	M12	✓	0,920
S032MOD16CA207-01	32	28,6	300	207	M16	✓	2,314

TOPON ANTI-VIBRATION EXTENSION CYLINDRICAL (SCREW-IN TYPE)
RALLONGE CYLINDRIQUE ANTI-VIBRATIONS (TÊTE VISSÉE)

cylindrical shank / Queue Cylindrique



screw-in type connection / Tête vissée



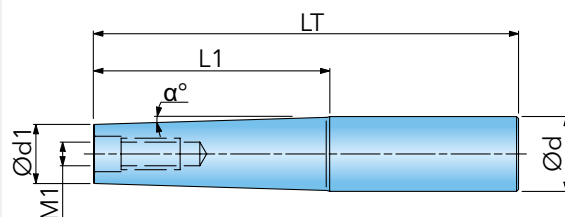
Designation Réf. de l'article	d	d1	LT	L1	M1		
S012MOD06VA020	12	11	70	20	M6	✓	0,064
S012MOD06VA070	12	11	120	70	M6	✓	0,111
S016MOD08VA006	16	14,5	70	6	M8	✓	0,115
S016MOD08VA056	16	14,5	120	56	M8	✓	0,183
S020MOD10VA006	20	18	64	6	M10	✓	0,169
S020MOD10VA024	20	18	89	24	M10	✓	0,245
S020MOD10VA070	20	18	130	70	M10	✓	0,335
S020MOD10VA125	20	18	180	125	M10	✓	0,463
S025MOD12VA015	25	22,6	81	15	M12	✓	0,343
S025MOD12VA045	25	22,6	111	45	M12	✓	0,320
S025MOD12VA110	25	22,6	180	110	M12	✓	0,746
S025MOD12VA155	25	22,6	220	155	M12	✓	0,922
S032MOD16VA014	32	29,4	103	14	M16	✓	0,763
S032MOD16VA090	32	29,4	160	90	M16	✓	1,150
S032MOD16VA108	32	29,4	200	108	M16	✓	1,363
S032MOD16VA159	32	29,4	250	159	M16	✓	1,760
S032MOD16VA207	32	30	300	207	M16	✓	2,312

TOPON HEAVY METAL EXTENSION - CONICAL (SCREW-IN TYPE)
RALLONGE EN METAL LOURD CONIQUE (TÊTE VISSEE)

cylindrical shank / Queue Cylindrique



screw-in type connection / Tête vissée



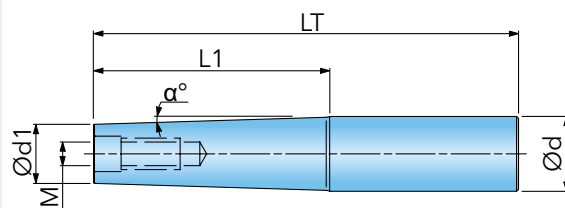
Designation Réf. de l'article	d	d1	LT	L1	α	M1		
S016MOD08HK040	16	13	88	40	2	M8	✓	0,261
S016MOD08HK060	16	13	108	60	1,4	M8	✓	0,318
S016MOD08HK080	16	13	128	80	1	M8	✓	0,372
S016MOD08HK100	16	13	148	100	0,8	M8	✓	0,437
S016MOD08HK120	16	13	168	120	0,7	M8	✓	0,491
S020MOD10HK040	20	18	90	40	1,4	M10	✓	0,431
S020MOD10HK060	20	18	110	60	0,9	M10	✓	0,535
S020MOD10HK080	20	18	130	80	0,7	M10	✓	0,634
S020MOD10HK100	20	18	150	100	0,55	M10	✓	0,730
S020MOD10HK120	20	18	170	120	0,45	M10	✓	0,833

TOPON CARBIDE EXTENSION - CONICAL (SCREW-IN TYPE)
RALLONGE CONIQUE EN CARBURE(TÊTE VISSEE)

cylindrical shank / Queue Cylindrique



screw-in type connection / Tête vissée

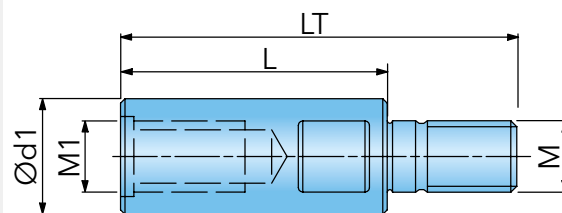


Designation Réf. de l'article	d	d1	LT	L1	α	M		
S016MOD08CK040-01	16	13	88	40	1,9	M8	✓	0,210
S016MOD08CK060-01	16	13	108	60	1,3	M8	✓	0,256
S016MOD08CK080-01	16	13	128	80	0,9	M8	✓	0,290
S016MOD08CK100-01	16	13	148	100	0,8	M8	✓	0,348
S016MOD08CK120-01	16	13	168	120	0,6	M8	✓	0,393
S020MOD10CK040-01	20	18	90	40	1,2	M10	✓	0,352
S020MOD10CK060-01	20	18	110	60	0,8	M10	✓	0,427
S020MOD10CK080-01	20	18	130	80	0,6	M10	✓	0,506
S020MOD10CK100-01	20	18	150	100	0,5	M10	✓	0,587
S020MOD10CK120-01	20	18	170	120	0,4	M10	✓	0,667

screw-in type connection / Tête vissée



screw-in type connection / Tête vissée



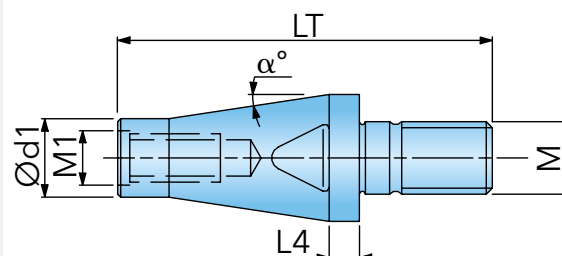
Designation Réf. de l'article	d1	LT	L	M	M1		
CABM06M06-C	9,8	39,5	25	M6	M6	✓	0,020
CABM08M08-C	13	47,5	30	M8	M8	✓	0,028
CABM10M10-C	18	54,8	35	M10	M10	✓	0,064
CABM12M12-C	21	55,8	40	M12	M12	✓	0,100
CABM16M16-C	29	69	40	M16	M16	✓	0,192

TOPON REDUCTION (SCREW-IN TYPE)
REDUCTEUR (TÊTE VISSÉE)

screw-in type connection / Tête vissée



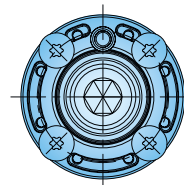
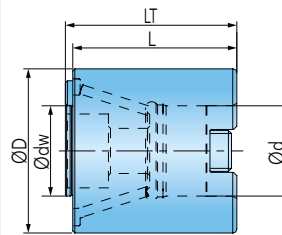
screw-in type connection / Tête vissée



Designation Réf. de l'article	d1	d2	LT	L	L4	α	M	M1		
CABM06M08	9,7	13	47,8	30	4	5,7	M8	M6	✓	0,08
CABM08M10	13	18	59,8	40	5	5,2	M10	M8	✓	0,08
CABM10M12	18	21	67	45	7	2,5	M12	M10	✓	0,10
CABM12M16	21	29	74	50	6	6,3	M16	M12	✓	0,20



DIN 8030 / DIN 8030



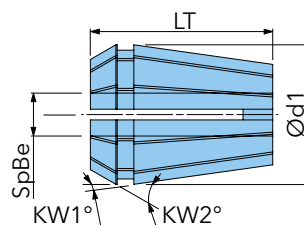
modular / Modulaire

Designation Réf. de l'article	D	d	dw	LT	L		
FBD22CP22SA040-TB	40	22	22	41,8	40	✓	0,32
FBD27CP27SA045-TB	45	27	27	46,8	45	✓	0,46
FBD32CP32SA060-TB	55	32	32	61,8	60	✓	0,96

TOOLIN ER11 SPRING COLLETS
ER11 PINCES



DIN 6499 / DIN 6499

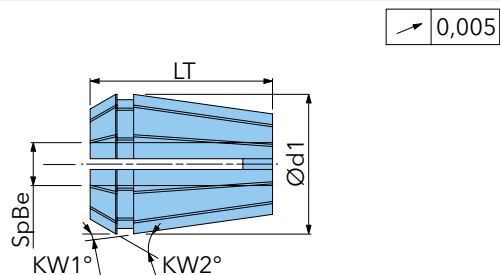


0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	
ER11SPR0.5-1.0	11,0	18	6,3	8,5	0,5 - 1	0,5	1	8	30	11	0,009
ER11SPR1.5-2.0	11,0	18	6,3	8,5	1,5 - 2	1,5	2	8	30	11	0,010
ER11SPR2.5-3.0	11,0	18	6,3	18	2,5 - 3	2,5	3	8	30	11	0,009
ER11SPR3.5-4.0	11,0	18	6,3	18	3,5 - 4	3,5	4	8	30	11	0,008
ER11SPR4.5-5.0	11,0	18	6,3	18	4,5 - 5	4,5	5	8	30	11	0,007
ER11SPR5.5-6.0	11,0	18	6,3	18	5,5 - 6	5,5	6	8	30	11	0,006
ER11SPR6.5-7.0	11,0	18	6,3	18	6,5 - 7	6,5	7	8	30	11	0,009
Standard design / Standard											

TOOLIN ER11_AA SPRING COLLETS ER11_AA PINCES HAUTE PRÉCISION

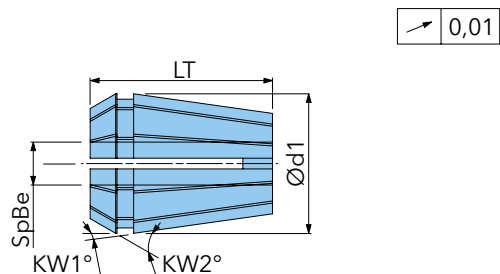
DIN 6499 / DIN 6499



Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER11SPR0.5-1.0AA	11	18,0	6,3	8,5	0,5 - 1	0,5	1	8	30	11	0,010
ER11SPR1.5-2.0AA	11	18,0	6,3	9,5	1,5 - 2	1,5	2	8	30	11	0,010
ER11SPR2.5-3.0AA	11	18,0	6,3	18,0	2,5 - 3	2,5	3	8	30	11	0,009
ER11SPR3.5-4.0AA	11	18,0	6,3	18,0	3,5 - 4	3,5	4	8	30	11	0,005
ER11SPR4.5-5.0AA	11	18,0	6,3	18,0	4,5 - 5	4,5	5	8	30	11	0,009
ER11SPR5.5-6.0AA	11	18,0	6,3	18,0	5,5 - 6	5,5	6	8	30	11	0,008
ER11SPR6.5-7.0AA	11	18,0	6,3	18,0	6,5 - 7	6,5	7	8	30	11	0,006
Increased true-run accuracy for challenging applications. / Pincas haute précision pour des applications très précises											

TOOLIN ER16 SPRING COLLETS ER16 PINCES

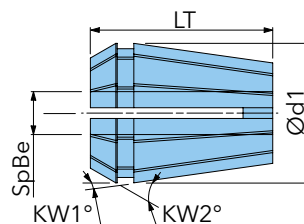
DIN 6499 / DIN 6499



Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER16SPR0.5-1	16	27,5	10,26	10,5	0,5 - 1	0,5	1	8	30	16	0,022
ER16SPR1.5-2	16	27,5	10,26	14,2	1,5 - 2	1,5	2	8	30	16	0,022
ER16SPR2-3	16	27,5	10,26	15,5	2 - 3	2	3	8	30	16	0,021
ER16SPR3-4	16	27,5	10,26	18,5	3 - 4	3	4	8	30	16	0,022
ER16SPR4-5	16	27,5	10,26	27,5	4 - 5	4	5	8	30	16	0,022
ER16SPR5-6	16	27,5	10,26	27,5	5 - 6	5	6	8	30	16	0,020
ER16SPR6-7	16	27,5	10,26	27,5	6 - 7	6	7	8	30	16	0,019
ER16SPR7-8	16	27,5	10,26	27,5	7 - 8	7	8	8	30	16	0,017
ER16SPR8-9	16	27,5	10,26	27,5	8 - 9	8	9	8	30	16	0,015
ER16SPR9-10	16	27,5	10,26	27,5	9 - 10	9	10	8	30	16	0,013
Standard design / Standard											

TOOLIN ER16_AA SPRING COLLETS ER16_AA PINCES HAUTE PRÉCISION

DIN 6499 / DIN 6499



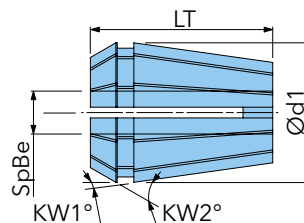
0,005

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER16SPR0.5-1AA	16	27,5	10,26	10,5	0,5 - 1	0,5	1	8	30	16	0,022
ER16SPR1.5-2AA	27,5	10,26	14,2	1,5 - 2	1,5	2	8	30	16		0,022
ER16SPR2-3AA	16	27,5	10,26	15,5	2 - 3	2	3	8	30	16	0,021
ER16SPR3-4AA	16	27,5	10,26	18,5	3 - 4	3	4	8	30	16	0,022
ER16SPR4-5AA	16	27,5	10,26	27,5	4 - 5	4	5	8	30	16	0,022
ER16SPR5-6AA	16	27,5	10,26	27,5	5 - 6	5	6	8	30	16	0,020
ER16SPR6-7AA	16	27,5	10,26	27,5	6 - 7	6	7	8	30	16	0,019
ER16SPR7-8AA	16	27,5	10,26	27,5	7 - 8	7	8	8	30	16	0,017
ER16SPR8-9AA	16	27,5	10,26	27,5	8 - 9	8	9	8	30	16	0,015
ER16SPR9-10AA	16	27,5	10,26	27,5	9 - 10	9	10	8	30	16	0,013

Increased true-run accuracy for challenging applications. / Pincas haute précision pour des applications très précises

TOOLIN ER16 SPRING COLLETS WITH COOLANT ER16 PINCES POUR ARROSAGE AU CENTRE

DIN 6499 / DIN 6499



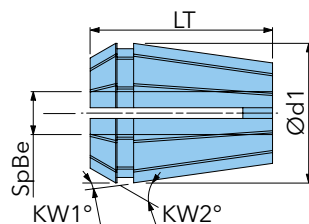
0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	IK	kg
ER16SEAL4AA	16	27,5	6,3	18,5	4	4	4	8	30	16	✓	0,024
ER16SEAL5AA	16	27,5	6,3	27,5	5	5	5	8	30	16	✓	0,024
ER16SEAL6AA	16	27,5	6,3	27,5	6	6	6	8	30	16	✓	0,020
ER16SEAL7AA	16	27,5	6,3	27,5	7	7	7	8	30	16	✓	0,018
ER16SEAL8AA	16	27,5	6,3	27,5	8	8	8	8	30	16	✓	0,020
ER16SEAL9AA	16	27,5	6,3	27,5	9	9	9	8	30	16	✓	0,018
ER16SEAL10AA	16	27,5	6,3	27,5	10	10	10	8	30	16	✓	0,014

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Modèle standard étanche jusqu'à 100 bars, pour l'arrosage central.

TOOLIN ER16_JET2 SPRING COLLETS WITH COOLANT ER16_JET2 PINCES DE SERRAGE AVEC TROUS DE LUB

DIN 6499 / DIN 6499



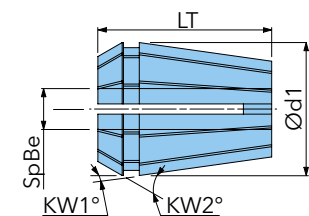
0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER16SEAL4AAJET	16	27,5	6,3	18,5	4	4	4	8	30	16	✓ 0,022
ER16SEAL5AAJET	16	27,5	6,3	27,5	5	5	5	8	30	16	✓ 0,020
ER16SEAL6AAJET	16	27,5	6,3	27,5	6	6	6	8	30	16	✓ 0,020
ER16SEAL7AAJET	16	27,5	6,3	27,5	7	7	7	8	30	16	✓ 0,020
ER16SEAL8AAJET	16	27,5	6,3	27,5	8	8	8	8	30	16	✓ 0,020
ER16SEAL9AAJET	16	27,5	6,3	27,5	9	9	9	8	30	16	✓ 0,018
ER16SEAL10AAJET	16	27,5	6,3	27,5	10	10	10	8	30	16	✓ 0,016

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Modèle standard étanche jusqu'à 100 bars, pour l'arrosage central.

TOOLIN ER20 SPRING COLLETS ER20 PINCES

DIN 6499 / DIN 6499



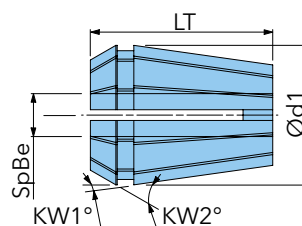
0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER20SPR1.5-2	20	31,5	11,16	11,7	1,5 - 2	1,5	2	8	30	20	0,040
ER20SPR2-3	20	31,5	11,16	17,7	2 - 3	2	3	8	30	20	0,040
ER20SPR3-4	20	31,5	11,16	19,3	3 - 4	3	4	8	30	20	0,040
ER20SPR4-5	20	31,5	11,16	19,3	4 - 5	4	5	8	30	20	0,040
ER20SPR5-6	20	31,5	11,16	31,5	5 - 6	5	6	8	30	20	0,040
ER20SPR6-7	20	31,5	11,16	31,5	6 - 7	6	7	8	30	20	0,036
ER20SPR7-8	20	31,5	11,16	31,5	7 - 8	7	8	8	30	20	0,038
ER20SPR8-9	20	31,5	11,16	31,5	8 - 9	8	9	8	30	20	0,035
ER20SPR9-10	20	31,5	11,16	31,5	9 - 10	9	10	8	30	20	0,033
ER20SPR10-11	20	31,5	11,16	31,5	10 - 11	10	11	8	30	20	0,030
ER20SPR11-12	20	31,5	11,16	31,5	11 - 12	11	12	8	30	20	0,028
ER20SPR12-13	20	31,5	11,16	31,5	12 - 13	12	13	8	30	20	0,026

Standard design / Standard

TOOLIN ER20_AA SPRING COLLETS ER20_AA PINCES HAUTE PRÉCISION

DIN 6499 / DIN 6499



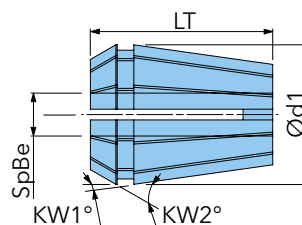
0,005

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER20SPR1.5-2AA	20	31,5	11,16	11,7	1,5 - 2	1,5	2	8	30	20	0,042
ER20SPR2-3AA	20	31,5	11,16	17,7	2 - 3	2	3	8	30	20	0,040
ER20SPR3-4AA	20	31,5	11,16	19,3	3 - 4	3	4	8	30	20	0,038
ER20SPR4-5AA	20	31,5	11,16	19,3	4 - 5	4	5	8	30	20	0,040
ER20SPR5-6AA	20	31,5	11,16	31,5	5 - 6	5	6	8	30	20	0,040
ER20SPR6-7AA	20	31,5	11,16	31,5	6 - 7	6	7	8	30	20	0,036
ER20SPR7-8AA	20	31,5	11,16	31,5	7 - 8	7	8	8	30	20	0,038
ER20SPR8-9AA	20	31,5	11,16	31,5	8 - 9	8	9	8	30	20	0,035
ER20SPR9-10AA	20	31,5	11,16	31,5	9 - 10	9	10	8	30	20	0,033
ER20SPR10-11AA	20	31,5	11,16	31,5	10 - 11	10	11	8	30	20	0,030
ER20SPR11-12AA	20	31,5	11,16	31,5	11 - 12	11	12	8	30	20	0,028
ER20SPR12-13AA	20	31,5	11,16	31,5	12 - 13	12	13	8	30	20	0,026

Increased true-run accuracy for challenging applications. / Pincas haute précision pour des applications très précises

TOOLIN ER20 SPRING COLLETS WITH COOLANT ER20 PINCES PINCES POUR ARROSAGE AU CENTRE

DIN 6499 / DIN 6499



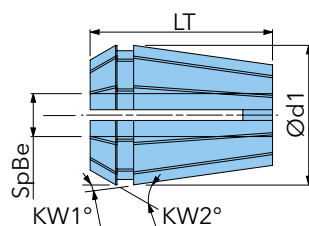
0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	IK	kg
ER20SEAL4AA	20	31,5	7,2	17,7	4	4	4	8	30	20	✓	0,038
ER20SEAL5AA	20	31,5	7,2	19,3	5	5	5	8	30	20	✓	0,040
ER20SEAL6AA	20	31,5	7,2	19,3	6	6	6	8	30	20	✓	0,040
ER20SEAL7AA	20	31,5	7,2	31,5	7	7	7	8	30	20	✓	0,036
ER20SEAL8AA	20	31,5	7,2	31,5	8	8	8	8	30	20	✓	0,038
ER20SEAL9AA	20	31,5	7,2	31,5	9	9	9	8	30	20	✓	0,035
ER20SEAL10AA	20	31,5	7,2	31,5	10	10	10	8	30	20	✓	0,033
ER20SEAL11AA	20	31,5	7,2	31,5	11	11	11	8	30	20	✓	0,030
ER20SEAL12AA	20	31,5	7,2	31,5	12	12	12	8	30	20	✓	0,028

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Modèle standard étanche jusqu'à 100 bars, pour l'arrosage central.

TOOLIN ER20_JET2 SPRING COLLETS WITH COOLANT
ER20_JET2 PINCES DE SERRAGE AVEC TROUS DE LUB

DIN 6499 / DIN 6499

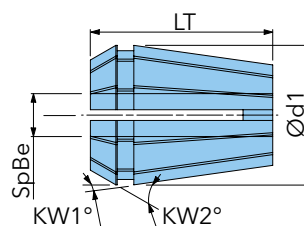


0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	IK	kg
ER20SEAL4AAJET	20	31,5	7,2	17,7	4	4	4	8	30	20	✓	0,044
ER20SEAL5AAJET	20	31,5	7,2	19,3	5	5	5	8	30	20	✓	0,042
ER20SEAL6AAJET	20	31,5	7,2	19,3	6	6	6	8	30	20	✓	0,040
ER20SEAL7AAJET	20	31,5	7,2	31,5	7	7	7	8	30	20	✓	0,038
ER20SEAL8AAJET	20	31,5	7,2	31,5	8	8	8	8	30	20	✓	0,036
ER20SEAL9AAJET	20	31,5	7,2	31,5	9	9	9	8	30	20	✓	0,034
ER20SEAL10AAJET	20	31,5	7,2	31,5	10	10	10	8	30	20	✓	0,032
ER20SEAL11AAJET	20	31,5	7,2	31,5	11	11	11	8	30	20	✓	0,026
ER20SEAL12AAJET	20	31,5	7,2	31,5	12	12	12	8	30	20	✓	0,024

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Modèle standard étanche jusqu'à 100 bars, pour l'arrosage central.

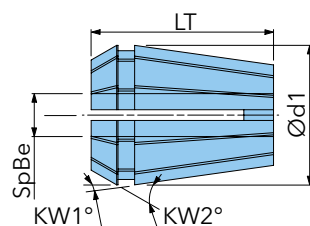
DIN 6499 / DIN 6499



0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER25SPR2-3	25	34	11,66	18,7	2 - 3	2	3	8	30	25	0,077
ER25SPR3-4	25	34	11,66	20,0	3 - 4	3	4	8	30	25	0,072
ER25SPR4-5	25	34	11,66	20,0	4 - 5	4	5	8	30	25	0,071
ER25SPR5-6	25	34	11,66	20,0	5 - 6	5	6	8	30	25	0,075
ER25SPR6-7	25	34	11,66	34,0	6 - 7	6	7	8	30	25	0,073
ER25SPR7-8	25	34	11,66	34,0	7 - 8	7	8	8	30	25	0,072
ER25SPR8-9	25	34	11,66	34,0	8 - 9	8	9	8	30	25	0,070
ER25SPR9-10	25	34	11,66	34,0	9 - 10	9	10	8	30	25	0,068
ER25SPR10-11	25	34	11,66	34,0	10 - 11	10	11	8	30	25	0,065
ER25SPR11-12	25	34	11,66	34,0	11 - 12	11	12	8	30	25	0,060
ER25SPR12-13	25	34	11,66	34,0	12 - 13	12	13	8	30	25	0,057
ER25SPR13-14	25	34	11,66	34,0	13 - 14	13	14	8	30	25	0,052
ER25SPR14-15	25	34	11,66	34,0	14 - 15	14	15	8	30	25	0,045
ER25SPR15-16	25	34	11,66	34,0	15 - 16	15	16	8	30	25	0,041
Standard design / Standard											

DIN 6499 / DIN 6499

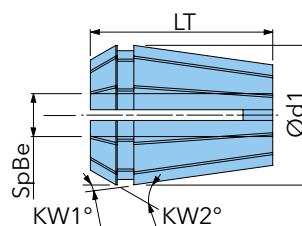


0,005

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER25SPR1.5-2AA	25	34,0	11,66	15,0	1,5 - 2	1,5	2	8	30	25	0,077
ER25SPR2-3AA	25	34,0	11,66	18,7	2 - 3	2	3	8	30	25	0,077
ER25SPR3-4AA	25	34,0	11,66	20,0	3 - 4	3	4	8	30	25	0,072
ER25SPR4-5AA	25	34,0	11,66	20,0	4 - 5	4	5	8	30	25	0,071
ER25SPR5-6AA	25	34,0	11,66	20,0	5 - 6	5	6	8	30	25	0,075
ER25SPR6-7AA	25	34,0	11,66	34,0	6 - 7	6	7	8	30	25	0,073
ER25SPR7-8AA	25	34,0	11,66	34,0	7 - 8	7	8	8	30	25	0,072
ER25SPR8-9AA	25	34,0	11,66	34,0	8 - 9	8	9	8	30	25	0,070
ER25SPR9-10AA	25	34,0	11,66	34,0	9 - 10	9	10	8	30	25	0,068
ER25SPR10-11AA	25	34,0	11,66	34,0	10 - 11	10	11	8	30	25	0,065
ER25SPR11-12AA	25	34,0	11,66	34,0	11 - 12	11	12	8	30	25	0,060
ER25SPR12-13AA	25	34,0	11,66	34,0	12 - 13	12	13	8	30	25	0,057
ER25SPR13-14AA	25	34,0	11,66	34,0	13 - 14	13	14	8	30	25	0,052
ER25SPR14-15AA	25	34,0	11,66	34,0	14 - 15	14	15	8	30	25	0,045
ER25SPR15-16AA	25	34,0	11,66	34,0	15 - 16	15	16	8	30	25	0,041

Increased true-run accuracy for challenging applications. / Pinces haute précision pour des applications très précises

DIN 6499 / DIN 6499



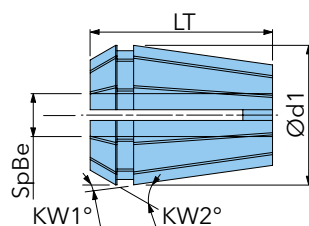
0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	IK	kg
ER25SEAL4AA	25	34	7,5	20	4	4	4	8	30	25	✓	0,078
ER25SEAL5AA	25	34	7,5	20	5	5	5	8	30	25	✓	0,077
ER25SEAL6AA	25	34	7,5	20	6	6	6	8	30	25	✓	0,081
ER25SEAL7AA	25	34	7,5	34	7	7	7	8	30	25	✓	0,062
ER25SEAL8AA	25	34	7,5	34	8	8	8	8	30	25	✓	0,072
ER25SEAL9AA	25	34	7,5	34	9	9	9	8	30	25	✓	0,070
ER25SEAL10AA	25	34	7,5	34	10	10	10	8	30	25	✓	0,066
ER25SEAL11AA	25	34	7,5	34	11	11	11	8	30	25	✓	0,064
ER25SEAL12AA	25	34	7,5	34	12	12	12	8	30	25	✓	0,046
ER25SEAL13AA	25	34	7,5	34	13	13	13	8	30	25	✓	0,056
ER25SEAL14AA	25	34	7,5	34	14	14	14	8	30	25	✓	0,060
ER25SEAL15AA	25	34	7,5	34	15	15	15	8	30	25	✓	0,055
ER25SEAL16AA	25	34	7,5	34	16	16	16	8	30	25	✓	0,042

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Modèle standard étanche jusqu'à 100 bars, pour l'arrosage central.

TOOLIN ER25_JET2 SPRING COLLETS WITH COOLANT
ER25_JET2 PINCES DE SERRAGE AVEC TROUS DE LUB

DIN 6499 / DIN 6499

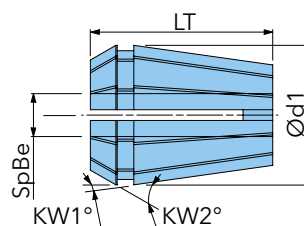


0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	IK	kg
ER25SEAL4AAJET	25	34	7,5	20,0	4	4	4	8	30	25	✓	0,080
ER25SEAL5AAJET	25	34	7,5	20,0	5	5	5	8	30	25	✓	0,080
ER25SEAL6AAJET	25	34	7,5	20,0	6	6	6	8	30	25	✓	0,080
ER25SEAL7 AAJET	25	34	7,5	34,0	7	7	7	8	30	25	✓	0,079
ER25SEAL8AAJET	25	34	7,5	34,0	8	8	8	8	30	25	✓	0,078
ER25SEAL9AAJET	25	34	7,5	34,0	9	9	9	8	30	25	✓	0,077
ER25SEAL10AAJET	25	34	7,5	34,0	10	10	10	8	30	25	✓	0,066
ER25SEAL11AAJET	25	34	7,5	34,0	11	11	11	8	30	25	✓	0,064
ER25SEAL12AAJET	25	34	7,5	34,0	12	12	12	8	30	25	✓	0,062
ER25SEAL13AAJET	25	34	7,5	34,0	13	13	13	8	30	25	✓	0,063
ER25SEAL14AAJET	25	34	7,5	34,0	14	14	14	8	30	25	✓	0,042
ER25SEAL15AAJET	25	34	7,5	34,0	15	15	15	8	30	25	✓	0,041
ER25SEAL16AAJET	25	34	7,5	34,0	16	16	16	8	30	25	✓	0,040

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Modèle standard étanche jusqu'à 100 bars, pour l'arrosage central.

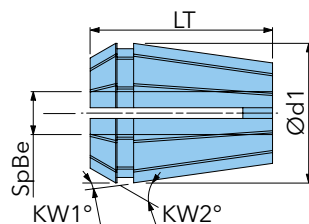
DIN 6499 / DIN 6499



0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER32SPR2-3	33	40	12,66	-	2 - 3	2	3	8	30	32	0,152
ER32SPR3-4	33	40	12,66	-	3 - 4	3	4	8	30	32	0,150
ER32SPR4-5	32	40	12,66	18,8	4 - 5	4	5	8	30	32	0,148
ER32SPR5-6	32	40	12,66	20,0	5 - 6	5	6	8	30	32	0,148
ER32SPR6-7	32	40	12,66	25,8	6 - 7	6	7	8	30	32	0,146
ER32SPR7-8	32	40	12,66	25,8	7 - 8	7	8	8	30	32	0,148
ER32SPR8-9	32	40	12,66	40,0	8 - 9	8	9	8	30	32	0,140
ER32SPR9-10	32	40	12,66	40,0	9 - 10	9	10	8	30	32	0,135
ER32SPR10-11	32	40	12,66	40,0	10 - 11	10	11	8	30	32	0,137
ER32SPR11-12	32	40	12,66	40,0	11 - 12	11	12	8	30	32	0,133
ER32SPR12-13	32	40	12,66	40,0	12 - 13	12	13	8	30	32	0,128
ER32SPR13-14	32	40	12,66	40,0	13 - 14	13	14	8	30	32	0,125
ER32SPR14-15	32	40	12,66	40,0	14 - 15	14	15	8	30	32	0,119
ER32SPR15-16	32	40	12,66	40,0	15 - 16	15	16	8	30	32	0,114
ER32SPR16-17	32	40	12,66	40,0	16 - 17	16	17	8	30	32	0,107
ER32SPR17-18	32	40	12,66	40,0	17 - 18	17	18	8	30	32	0,108
ER32SPR18-19	32	40	12,66	40,0	18 - 19	18	19	8	30	32	0,094
ER32SPR19-20	32	40	12,66	40,0	19 - 20	19	20	8	30	32	0,085
Standard design / Standard											

DIN 6499 / DIN 6499

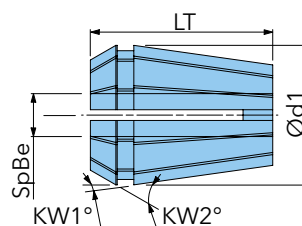


0,005

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER32SPR2-3AA	33	40	12,66	18,8	2 - 3	2	3	8	30	32	0,152
ER32SPR3-4AA	33	40	12,66	20,0	3 - 4	3	4	8	30	32	0,150
ER32SPR5-6AA	33	40	12,66	25,8	5 - 6	5	6	8	30	32	0,148
ER32SPR6-7AA	33	40	12,66	40,0	6 - 7	6	7	8	30	32	0,146
ER32SPR7-8AA	33	40	12,66	40,0	7 - 8	7	8	8	30	32	0,148
ER32SPR8-9AA	33	40	12,66	40,0	8 - 9	8	9	8	30	32	0,140
ER32SPR9-10AA	33	40	12,66	40,0	9 - 10	9	10	8	30	32	0,135
ER32SPR10-11AA	33	40	12,66	40,0	10 - 11	10	11	8	30	32	0,137
ER32SPR11-12AA	33	40	12,66	40,0	11 - 12	11	12	8	30	32	0,133
ER32SPR12-13AA	33	40	12,66	40,0	12 - 13	12	13	8	30	32	0,128
ER32SPR13-14AA	33	40	12,66	40,0	13 - 14	13	14	8	30	32	0,125
ER32SPR14-15AA	33	40	12,66	40,0	14 - 15	14	15	8	30	32	0,119
ER32SPR15-16AA	33	40	12,66	40,0	15 - 16	15	16	8	30	32	0,144
ER32SPR16-17AA	33	40	12,66	40,0	16 - 17	16	17	8	30	32	0,107
ER32SPR17-18AA	33	40	12,66	40,0	17 - 18	17	18	8	30	32	0,108
ER32SPR18-19AA	33	40	12,66	40,0	18 - 19	18	19	8	30	32	0,094
ER32SPR19-20AA	33	40	12,66	40,0	19 - 20	19	20	8	30	32	0,085

Increased true-run accuracy for challenging applications. / Pinces haute précision pour des applications très précises

DIN 6499 / DIN 6499

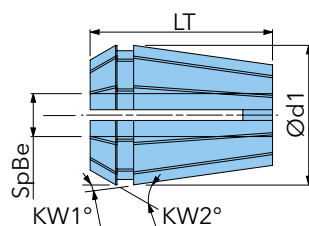


0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	IK	kg
ER32SEAL4AA	32	40	8,2	20,0	4	4	4	8	30	32	✓	0,155
ER32SEAL5AA	32	40	8,2	22,0	5	5	5	8	30	32	✓	0,144
ER32SEAL6AA	32	40	8,2	25,8	6	6	6	8	30	32	✓	0,136
ER32SEAL7AA	32	40	8,2	40,0	7	7	7	8	30	32	✓	0,136
ER32SEAL8AA	32	40	8,2	40,0	8	8	8	8	30	32	✓	0,140
ER32SEAL9AA	32	40	8,2	40,0	9	9	9	8	30	32	✓	0,140
ER32SEAL10AA	32	40	8,2	40,0	10	10	10	8	30	32	✓	0,145
ER32SEAL11AA	32	40	8,2	40,0	11	11	11	8	30	32	✓	0,142
ER32SEAL12AA	32	40	8,2	40,0	12	12	12	8	30	32	✓	0,140
ER32SEAL13AA	32	40	8,2	40,0	13	13	13	8	30	32	✓	0,133
ER32SEAL14AA	32	40	8,2	40,0	14	14	14	8	30	32	✓	0,133
ER32SEAL15AA	32	40	8,2	40,0	15	15	15	8	30	32	✓	0,120
ER32SEAL16AA	32	40	8,2	40,0	16	16	16	8	30	32	✓	0,114
ER32SEAL17AA	32	40	8,2	40,0	17	17	17	8	30	32	✓	0,088
ER32SEAL18AA	32	40	8,2	40,0	18	18	18	8	30	32	✓	0,100
ER32SEAL19AA	40	8,2	40,0	19	19	19	8	30	32		✓	0,102
ER32SEAL20AA	40	8,2	40,0	20	20	20	8	30	32		✓	0,086

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Modèle standard étanche jusqu'à 100 bars, pour l'arrosage central.

DIN 6499 / DIN 6499

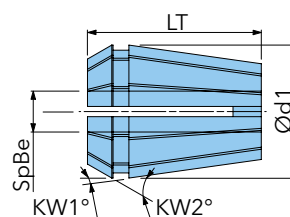


Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	IK	kg
ER32SEAL4AAJET	32	40	8,2	20,0	4	4	4	8	30	32	✓	0,148
ER32SEAL5AAJET	32	40	8,2	22,0	5	5	5	8	30	32	✓	0,144
ER32SEAL6AAJET	32	40	8,2	25,8	6	6	6	8	30	32	✓	0,148
ER32SEAL7AAJET	32	40	8,2	40,0	7	7	7	8	30	32	✓	0,143
ER32SEAL8AAJET	32	40	8,2	40,0	8	8	8	8	30	32	✓	0,142
ER32SEAL9AAJET	32	40	8,2	40,0	9	9	9	8	30	32	✓	0,148
ER32SEAL10AAJET	32	40	8,2	40,0	10	10	10	8	30	32	✓	0,138
ER32SEAL11AAJET	32	40	8,2	40,0	11	11	11	8	30	32	✓	0,141
ER32SEAL12AAJET	32	40	8,2	40,0	12	12	12	8	30	32	✓	0,138
ER32SEAL13AAJET	32	40	8,2	40,0	13	13	13	8	30	32	✓	0,126
ER32SEAL14AAJET	32	40	8,2	40,0	14	14	14	8	30	32	✓	0,131
ER32SEAL15AAJET	32	40	8,2	40,0	15	15	15	8	30	32	✓	0,126
ER32SEAL16AAJET	32	40	8,2	40,0	16	16	16	8	30	32	✓	0,120
ER32SEAL17AAJET	32	40	8,2	40,0	17	17	17	8	30	32	✓	0,155
ER32SEAL18AAJET	32	40	8,2	40,0	18	18	18	8	30	32	✓	0,108
ER32SEAL19AAJET	32	40	8,2	40,0	19	19	19	8	30	32	✓	0,094
ER32SEAL20AAJET	32	40	8,2	40,0	20	20	20	8	30	32	✓	0,085

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Modèle standard étanche jusqu'à 100 bars, pour l'arrosage central.

DIN 6499 / DIN 6499

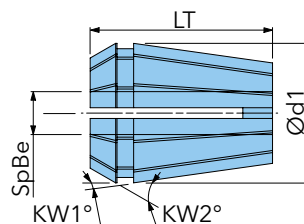
0,01



Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER40SPR5-6	40	46	14,66	31,0	5 - 6	5	6	8	30	40	0,336
ER40SPR6-7	40	46	14,66	31,0	6 - 7	6	7	8	30	40	0,324
ER40SPR7-8	40	46	14,66	46,0	7 - 8	7	8	8	30	40	0,312
ER40SPR8-9	40	46	14,66	46,0	8 - 9	8	9	8	30	40	0,304
ER40SPR9-10	40	46	14,66	46,0	9 - 10	9	10	8	30	40	0,296
ER40SPR10-11	40	46	14,66	46,0	10 - 11	10	11	8	30	40	0,289
ER40SPR11-12	40	46	14,66	46,0	11 - 12	11	12	8	30	40	0,278
ER40SPR12-13	40	46	14,66	46,0	12 - 13	12	13	8	30	40	0,264
ER40SPR13-14	40	46	14,66	46,0	13 - 14	13	14	8	30	40	0,253
ER40SPR14-15	40	46	14,66	46,0	14 - 15	14	15	8	30	40	0,241
ER40SPR15-16	40	46	14,66	46,0	15 - 16	15	16	8	30	40	0,230
ER40SPR16-17	40	46	14,66	46,0	16 - 17	16	17	8	30	40	0,236
ER40SPR17-18	40	46	14,66	46,0	17 - 18	17	18	8	30	40	0,228
ER40SPR18-19	40	46	14,66	46,0	18 - 19	18	19	8	30	40	0,221
ER40SPR19-20	40	46	14,66	46,0	19 - 20	19	20	8	30	40	0,215
ER40SPR20-21	40	46	14,66	46,0	20 - 21	20	21	8	30	40	0,203
ER40SPR21-22	40	46	14,66	46,0	21 - 22	21	22	8	30	40	0,194
ER40SPR22-23	40	46	14,66	46,0	22 - 23	22	23	8	30	40	0,185
ER40SPR23-24	40	46	14,66	46,0	23 - 24	23	24	8	30	40	0,174
ER40SPR24-25	40	46	14,66	46,0	24 - 25	24	25	8	30	40	0,164
ER40SPR25-26	40	46	14,66	46,0	25 - 26	25	26	8	30	40	0,165
Standard design / Standard											

TOOLIN ER40_AA SPRING COLLETS ER40_AA PINCES HAUTE PRÉCISION

DIN 6499 / DIN 6499



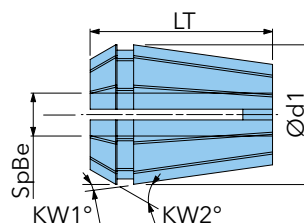
0,005

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER40SPR9-10AA	40	46	14,66	46	9 - 10	9	10	8	30	40	0,296
ER40SPR11-12AA	40	46	14,66	46	11 - 12	11	12	8	30	40	0,278
ER40SPR15-16AA	40	46	14,66	46	15 - 16	15	16	8	30	40	0,230
ER40SPR16-17AA	40	46	14,66	46	16 - 17	16	17	8	30	40	0,236
ER40SPR17-18AA	40	46	14,66	46	17 - 18	17	18	8	30	40	0,228
ER40SPR19-20AA	40	46	14,66	46	19 - 20	19	20	8	30	40	0,215
ER40SPR20-21AA	40	46	14,66	46	20 - 21	20	21	8	30	40	0,194
ER40SPR21-22AA	40	46	14,66	46	21 - 22	21	22	8	30	40	0,185
ER40SPR22-23AA	40	46	14,66	46	22 - 23	22	23	8	30	40	0,174
ER40SPR23-24AA	40	46	14,66	46	23 - 24	23	24	8	30	40	0,164
ER40SPR24-25AA	40	46	14,66	46	24 - 25	24	25	8	30	40	0,165
ER40SPR25-26AA	40	46	14,66	46	25 - 26	25	26	8	30	40	0,160

Increased true-run accuracy for challenging applications. / Pincas haute précision pour des applications très précises

TOOLIN ER40 SPRING COLLETS WITH COOLANT ER40 PINCES POUR ARROSAGE AU CENTRE

DIN 6499 / DIN 6499



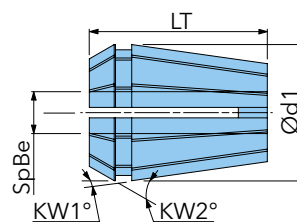
0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	IK	kg
ER40SEAL6AA	40	46	10,5	31	6	6	6	8	30	40	✓	0,338
ER40SEAL8AA	40	46	10,5	46	8	8	8	8	30	40	✓	0,312
ER40SEAL10AA	40	46	10,5	46	10	10	10	8	30	40	✓	0,290
ER40SEAL12AA	40	46	10,5	46	12	12	12	8	30	40	✓	0,272
ER40SEAL14AA	40	46	10,5	46	14	14	14	8	30	40	✓	0,252
ER40SEAL16AA	40	46	10,5	46	16	16	16	8	30	40	✓	0,244
ER40SEAL18AA	40	46	10,5	46	18	18	18	8	30	40	✓	0,230
ER40SEAL20AA	40	46	10,5	46	20	20	20	8	30	40	✓	0,214
ER40SEAL22AA	40	46	10,5	46	22	22	22	8	30	40	✓	0,181
ER40SEAL25AA	40	46	10,5	46	25	25	25	8	30	40	✓	0,152

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Étanchéité jusqu'à 100 bar pour l'arrosage interne.

TOOLIN ER40_JET2 SPRING COLLETS WITH COOLANT
ER40_JET2 PINCES DE SERRAGE AVEC TROUS DE LUB

DIN 6499 / DIN 6499



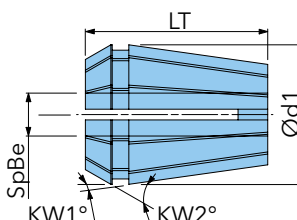
0,01

Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER40SEAL6AAJET	40	46	10,5	31,0	6	6	6	8	30	40	✓ 0,324
ER40SEAL8AAJET	40	46	10,5	46,0	8	8	8	8	30	40	✓ 0,302
ER40SEAL10AAJET	40	46	10,5	46,0	10	10	10	8	30	40	✓ 0,281
ER40SEAL12AAJET	40	46	10,5	46,0	12	12	12	8	30	40	✓ 0,280
ER40SEAL14AAJET	40	46	10,5	46,0	14	14	14	8	30	40	✓ 0,240
ER40SEAL16AAJET	40	46	10,5	46,0	16	16	16	8	30	40	✓ 0,244
ER40SEAL18AAJET	40	46	10,5	46,0	18	18	18	8	30	40	✓ 0,219
ER40SEAL20AAJET	40	46	10,5	46,0	20	20	20	8	30	40	✓ 0,216
ER40SEAL22AAJET	40	46	10,5	46,0	22	22	22	8	30	40	✓ 0,185
ER40SEAL25AAJET	40	46	10,5	46,0	25	25	25	8	30	40	✓ 0,165

Standard design leak-proofed up to 100 bar, for internal coolant supply. / Modèle standard étanche jusqu'à 100 bars, pour l'arrosage central.

TOOLIN ER50 SPRING COLLETS
ER50 PINCES

DIN 6499 / DIN 6499



0,01

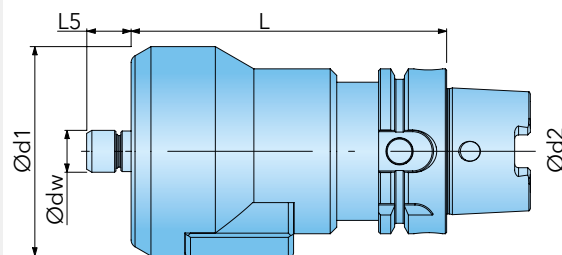
Designation Réf. de l'article	d1	LT	L1	L2	SpBe	Spmin.	Spmax.	KW1	KW2	ER	kg
ER50SPR10-12	50	60	21	60	10 - 12	10	12	8	30	50	0,540
ER50SPR12-14	50	60	21	60	12 - 14	12	14	8	30	50	0,530
ER50SPR14-16	50	60	21	60	14 - 16	14	16	8	30	50	0,518
ER50SPR16-18	50	60	21	60	16 - 18	16	18	8	30	50	0,500
ER50SPR18-20	50	60	21	60	18 - 20	18	20	8	30	50	0,489
ER50SPR20-22	50	60	21	60	20 - 22	20	22	8	30	50	0,470
ER50SPR22-24	50	60	21	60	22 - 24	22	24	8	30	50	0,450
ER50SPR24-26	50	60	21	60	24 - 26	24	26	8	30	50	0,420
ER50SPR26-28	50	60	21	60	26 - 28	26	28	8	30	50	0,400
ER50SPR28-30	50	60	21	60	28 - 30	28	30	8	30	50	0,366
ER50SPR30-32	50	60	21	60	30 - 32	30	32	8	30	50	0,325
ER50SPR32-34	50	60	21	60	32 - 34	32	34	8	30	50	0,260

Standard design / Standard

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS HPC HSK-A BROCHE HAUTE VITESSE JET TJS HPC HSK-A



DIN 69893 / DIN 69893



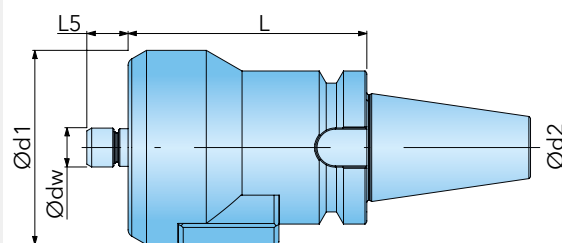
DIN 6499 / DIN 6499

Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	HSK-A	kg
TJS HSK A63R HPC	3,5	ER11	80	81	121	17	63	2,0

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS HPC DIN69871 BROCHE HAUTE VITESSE JET TJS HPC DIN69871



DIN 69871 A / DIN 69871 A



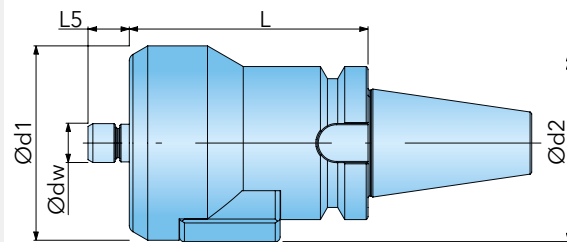
DIN 6499 / DIN 6499

Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	SK	kg
TJS GJET DIN69871 40	3,5	ER11	63	81	127	17	40	1,8

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS HPC BT
BROCHE HAUTE VITESSE JET TJS HPC BT



DIN 6499 / DIN 6499

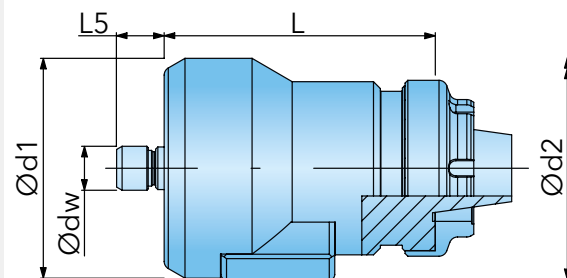


Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	BT	kg
TJS BT40R HPC	3,5	ER11	80	81	98	17	40	1,9

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS HPC ER
BROCHE HAUTE VITESSE JET TJS HPC ER



DIN 6499 / DIN 6499



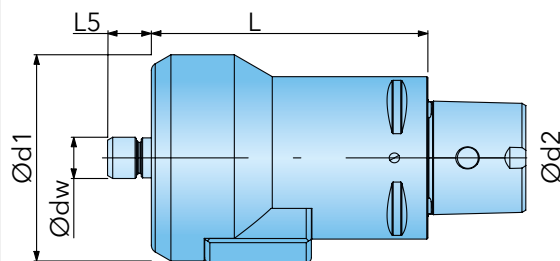
Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	ER	kg
TJS ER32R HPC	3,5	ER11	80	81	99	17	32	1,7

TYPHOON^HSM HIGH SPEED JET SPINDLE TJS HPC C6
BROCHE HAUTE VITESSE JET TJS HPC C6



ISO 26623-1 / ISO 26623-1

DIN 6499 / DIN 6499



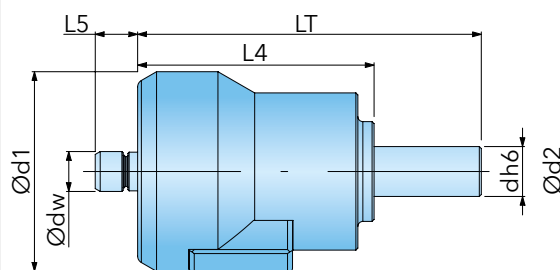
Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	PSK	kg
TJS HPC C6	3,5	ER11	80	81	107	17	6	2,0

TYPHOON^HSM HIGH SPEED JET SPINDLE TJS HPC ST20
BROCHE HAUTE VITESSE JET TJS HPC ST20



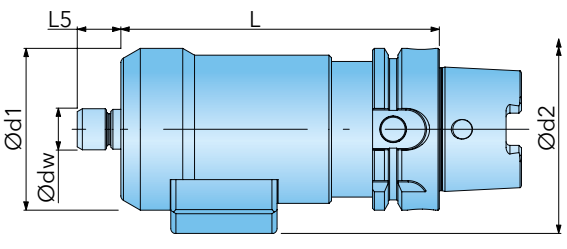
special / Spécial

DIN 6499 / DIN 6499

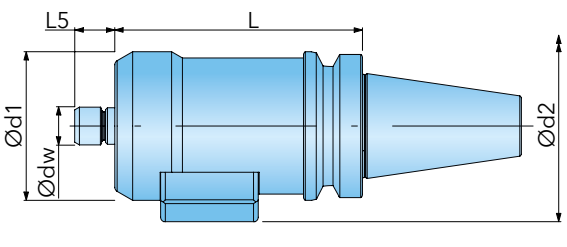


Designation Réf. de l'article	D max.	dh6	dw	d1	d2	L	L4	L5	kg
TJS HPC ST20	3,5	20	ER11	80	81	138	95	17	1,5

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS GJET HSK A
BROCHE HAUTE VITESSE JET TJS GJET HSK A

		DIN 69893 / DIN 69893						
DIN 6499 / DIN 6499								
Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	HSK-A	kg
TJS GJET HSK A63	3,5	ER11	63	81	124	17	63	1,8

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS GJET DIN69871
BROCHE HAUTE VITESSE JET TJS GJET DIN69871

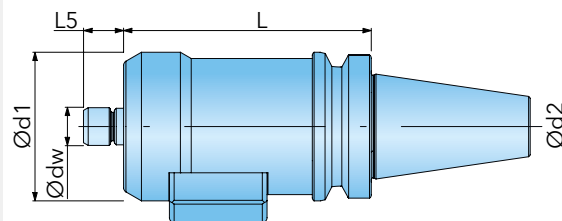
		DIN 69871 A / DIN 69871 A						
DIN 6499 / DIN 6499								
Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	SK	kg
TJS HPC DIN69871 40	3,5	ER11	80	81	119	17	40	2,0

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS GJET BT BROCHE HAUTE VITESSE JET TJS GJET BT



JIS-B 6339 (MAS BT) / JIS-B 6339 (MAS BT)

DIN 6499 / DIN 6499



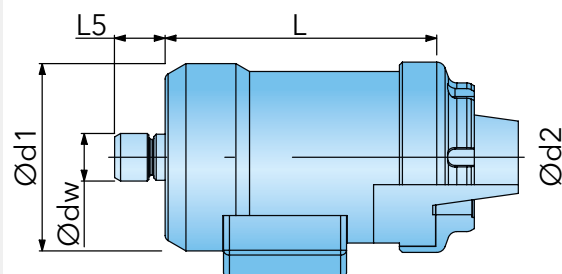
Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	BT	kg
TJS GJET BT30	3,5	ER11	63	81	122	17	30	1,6
TJS GJET BT40	3,5	ER11	63	81	105	17	40	1,8

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS GJET ER BROCHE HAUTE VITESSE JET TJS GJET ER



DIN 6499 / DIN 6499

DIN 6499 / DIN 6499



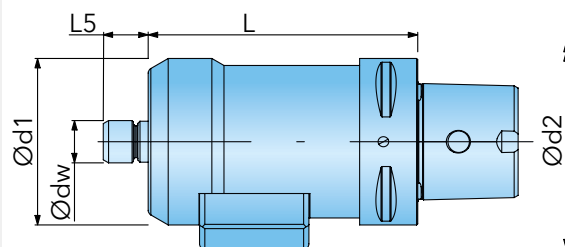
Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	ER	kg
TJS GJET ER32	3,5	ER11	63	81	92	17	32	1,3

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS GJET C
BROCHE HAUTE VITESSE JET TJS GJET C



ISO 26623-1 / ISO 26623-1

DIN 6499 / DIN 6499



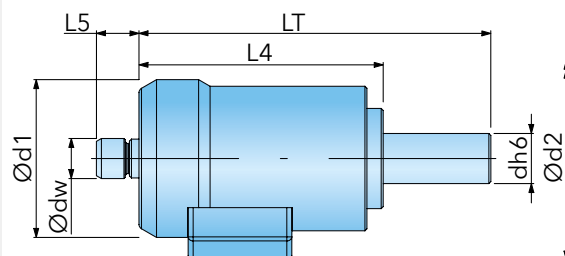
Designation Réf. de l'article	D max.	dw	d1	d2	L	L5	PSK	kg
TJS GJET C5	3,5	ER11	63	81	112	17	5	1,5
TJS GJET C6	3,5	ER11	63	81	102	17	6	1,6

TYPHOON^{HSM} HIGH SPEED JET SPINDLE TJS GJET ST
BROCHE HAUTE VITESSE JET TJS GJET ST



special / Spécial

DIN 6499 / DIN 6499



Designation Réf. de l'article	D max.	dh6	dw	d1	d2	L	L4	L5	kg
TJS GJET ST20	3,5	20	ER11	63	81	141	98	17	1,2

TYPHOON

MICRO

HIGH SPEED JET SPINDLE M90 030

BROCHE HAUTE VITESSE JET TJS M90 030

special / Spécial

CHS / CHS

dh6

L7

L4

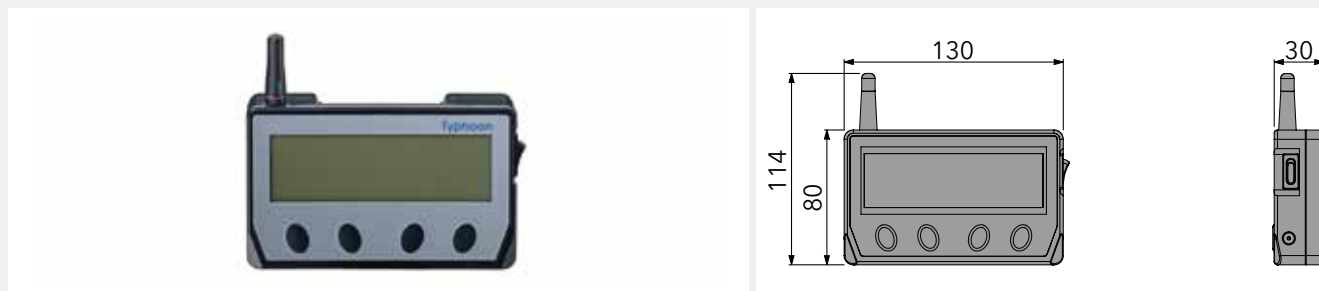
LT

H

B

Designation	dh6	LT	L4	L7	H	B	
Réf. de l'article							kg
TJS M90 030	10	58	20	25	29	27	0,2

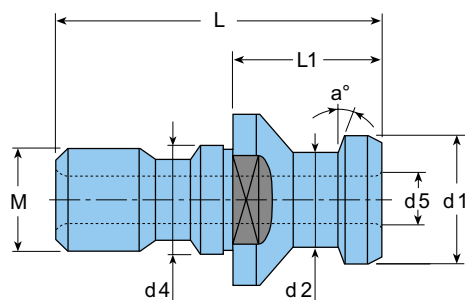
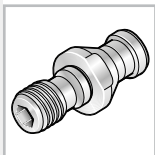
Spindle is supplied without tools. Collet for shank-Ø 3mm is included, other diameters must be ordered separately. / La broche est livrée sans outils. La pince de serrage pour le diamètre 3mm est incluse, les autres diamètres doivent être commandés séparément.



Designation	Holder	
Réf. de l'article		kg
TJS TSD DISPLAY	TJS -*	1,000



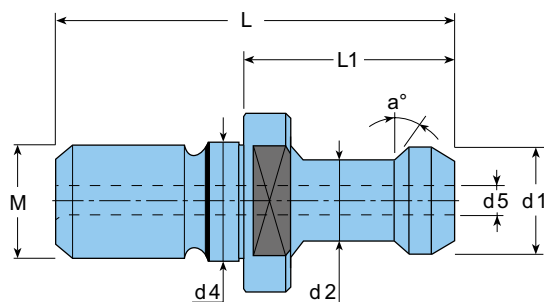
Z01 - DRAW BOLT / TIRETTE DIN69872 / ISO 7388



Designation Désignation	M	d1	d2	d4	d5	L	L1	a°
PS SK40 15 M16 DIN	16	19	14	17	–	54	26	15
PS SK40 15 M16 DIN B ¹⁾	16	19	14	17	7	54	26	15
PS SK 40 15 M16 DIN O ³⁾	16	19	14	17	–	54	26	15
PS SK 40 15 M16 DIN O B ^{1) 2)}	16	19	14	17	7	54	26	15
PS SK50 15 M24 DIN	24	28	21	25	–	74	34	15
PS SK50 15 M24 DIN B ¹⁾	24	28	21	25	11,5	74	34	15
PS CAT30 45 M12 ISO B ¹⁾	12	13,35	9,3	13	4,8	34	11,8	45
PS CAT40 45 M16 ISO B ¹⁾	16	18,95	12,95	17	7,4	44,5	16,4	45
PS CAT50 45 M24 ISO B ¹⁾	24	29,1	19,6	25	8	65,5	25,55	45

¹⁾ with internal coolant supply / avec arrosage interne ²⁾ O-Ring outside / O-rondelle extérieur

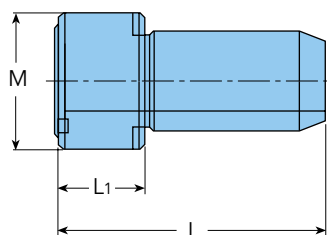
Z02 - DRAW BOLT / TIRETTE MAS BT



Designation Désignation	M	d1	d2	d4	d5	L	L1	a°
PS BT40 45° M16 MAS1	16	15	10	17	–	60	35	45
PS BT40 45° M16 MAS1 B ¹⁾	16	15	10	17	5,5	60	35	45
PS BT40 60° M16 MAS2	16	15	10	17	–	60	35	60
PS BT40 60° M16 MAS2 B ¹⁾	16	15	10	17	5,5	60	35	60
PS BT40 90° M16 MAS3	16	15	10	17	–	60	35	90
PS BT40 90° M16 MAS3 B ¹⁾	16	15	10	17	5,5	60	35	90
PS BT50 45° M24 MAS1	24	23	17	25	–	85	45	45
PS BT50 45° M24 MAS1 B ¹⁾	24	23	17	25	6	85	45	45
PS BT50 60° M24 MAS2	24	23	17	25	–	85	45	60
PS BT50 60° M24 MAS2 B ¹⁾	24	23	17	25	6	85	45	60
PS BT50 90° M24 MAS3	24	23	17	25	–	85	45	90
PS BT50 90° M24 MAS3 B ¹⁾	24	23	17	25	6	85	45	90

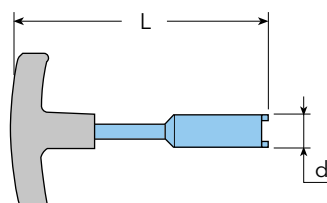
¹⁾ with internal coolant supply / avec arrosage interne

Z03 - COOLANT TUBE / CANULE DE LUBRIFICATION



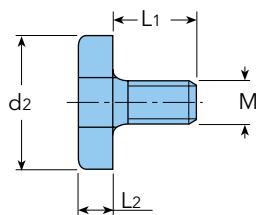
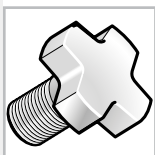
Designation Désignation	HSK-A	L	L1	M
COOLING TUBE HSK A 63	63	36	11,5	18X1
COOLING TUBE HSK A 80	80	36,6	13,5	20X1,5
COOLING TUBE HSK A 100	100	43,6	15,5	24X1,5

Z04 - SOCKET WRENCH FOR COOLANT TUBE / CLÉ POUR CANULES DE LUBRIFICATION



Designation Désignation	HSK-A	d	L
WRENCH COOL TUBE HSK 63	63	17	122
WRENCH COOL TUBE HSK 80	80	18,5	186
WRENCH COOL TUBE HSK 100	100	22	141

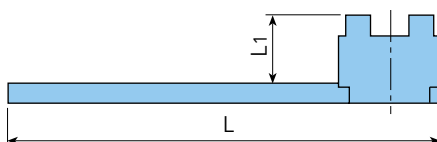
Z05 - CUTTER RETAINING SCREW / VIS DE SERRAGE POUR FRAISE



DIN 6367

Designation Désignation	Size Ø Diamètre Ø	M	d2	L1	L
M 8 CLAMP SCREW SEM 16	Ø 16	8	20	16	6
M 10 CLAMP SCREW SEM 22	Ø 22	10	28	18	7
M 12 CLAMP SCREW SEM 27	Ø 27	12	35	22	8
M 16 CLAMP SCREW SEM 32	Ø 32	16	42	26	9
M 20 CLAMP SCREW SEM 40	Ø 40	20	52	30	10
M 24 CLAMP SCREW SEM 50	Ø 50	24	63	36	12

Z06 - WRENCH FOR CUTTER RETAINING SCREW / CLÉ DE FIXATION

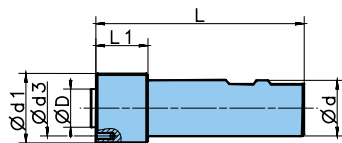


DIN 6368

Designation Désignation	Size Ø Diamètre Ø	screws Type de vis	H	L
WRENCH M8 SEMC 16	Ø 16	M8	20	180
WRENCH M10 SEMC 22	Ø 22	M10	25	200
WRENCH M12 SEMC 27	Ø 27	M12	32	225
WRENCH M16 SEMC 32	Ø 32	M16	36	250
WRENCH M20 SEMC 40	Ø 40	M20	40	280
WRENCH M24 SEMC 50	Ø 50	M24	50	315

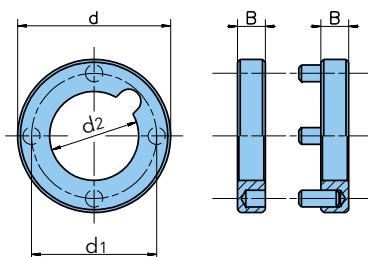
Z07 - T-CLAMP WELDON ADAPTION FOR TSC SLOT MILLS

Z07 - ATTACHEMENT SLOT-IN WELDON POUR FRAISE DISQUE TSC



Designation Désignation	D	d	d1	d3	L	L1
WB32CP22SA030	22	32	40	32	120	30

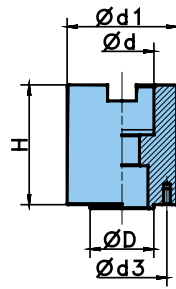
Z08 - SPIGOT SET FOR TSC SLOT MILLS / FLASQUE D'ENTRAÎNEMENT POUR FRAISE DISQUE TSC



Designation Désignation	d	d1	d2	B
TR 22-46	46	32	22	10
TR 32-55	55	45	32	10
TR 40-80	80	63	40	12

Z09 - T-CLAMP SHELL-TYPE ADAPTION FOR TSC SLOT MILLS

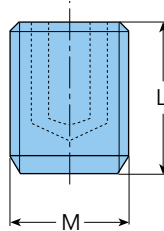
Z09 - ADAPTEUR PORTE-FRAISE SLOT-IN POUR FRAISE DISQUE TSC



Designation
Désignation

	D	d	d1	d3	H
FBD32CP32SA060	32	32	55	45	60
FBD40CP40SA060	40	40	80	63	60

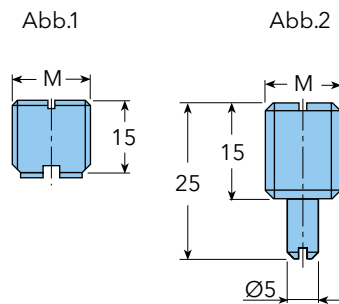
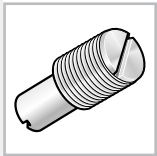
Z10 - CLAMPING SCREW FOR END MILL ADAPPTIONS / VIS DE SERRAGE POUR ADAPTEUR FRAISE



Designation
Désignation

	L	M	for shank Ø Diamètre
HW M 6X10 EM SCREW	6	10	6
HW M 8X10 EM SCREW	8	10	8
HW M 10X12 EM SCREW	10	12	10
HW M 12X16 EM SCREW	12	16	12/14
HW M 14X16 EM SCREW	14	16	16/18
HW M 16X16 EM SCREW	16	16	20
HW M 18X20 EM SCREW	18X2	20	25
HW M 20X20 EM SCREW	20X2	20	32/40
HW M 24X25 EM SCREW	24X2	25	50

Z11 - ADJUSTING SCREW / VIS D'AJUSTEMENT



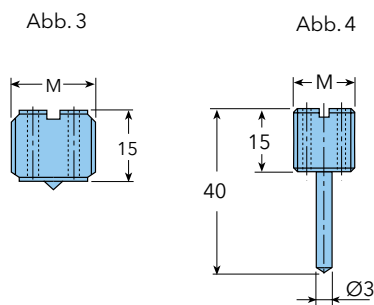
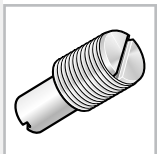
Designation
Désignation

M

Abb.

PRESET SCREW 04X0.7	4X0,7	1
PRESET SCREW 05X0.8	5X0,8	1
PRESET SCREW 06X1.0	6X1	1
PRESET SCREW 10X1.5	10X1,5	1
PRESET SCREW 22X1.5	22X1,5	1
PRESET SCREW 22X1.5 B	22X1,5	2

Z12 - ADJUSTING SCREW WITH INTERNAL COOLANT SUPPLY / VIS D'AJUSTEMENT AVEC ARROSAGE CENTRAL



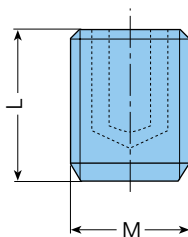
Designation
Désignation

M

Abb.

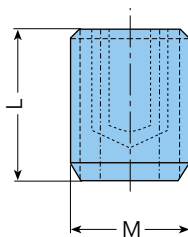
PRESET ER-JET 8X1.25	8X1,25	3
PRESET ER-JET 8X1	8X1	3
PRESET ER-JET 10X1.5	10X1,5	3
PRESET ER-JET 12X1	12X1	3
PRESET ER-JET 12X1.75L	12X1,75	4
PRESET ER-JET 12X1.75	12X1,75	3
PRESET ER-JET 14X1	14X1	3
PRESET ER-JET 16X2	16X2	3
PRESET ER-JET 16X2L	16X2	4
PRESET ER-JET 18X1	18X1	3
PRESET ER-JET 18X1.5	18X1,5	3
PRESET ER-JET 18X1.5L	18X1,5	4
PRESET ER-JET 22X1.5	22X1,5	3
PRESET ER-JET 22X1.5L	22X1,5	4
PRESET ER-JET 28X1.5	28X1,5	3

Z13 - SCREW FOR HYDRAULIC CLAMPING CHUCK / VIS POUR FIXATION MANDRIN HYDRAULIQUE



Designation Désignation	M	L
SA050R01	5	12,5
SA060R01	6	12,5
SA080R01	8X1	12,5
SA100R01	10X1	12,5
SA120R01	12X1	12,5
SA160R01	16X1	12,5

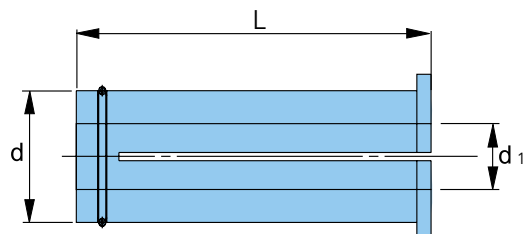
Z23 - SCREW FOR CLAMPING CHUCK DIN1835E / VIS POUR FIXATION MANDRIN DIN1835E



Designation Désignation	M	L	IK
DIN 913 M5x14 IK2.5	5	14	✓
DIN 913 M6x14 IK3	6	14	✓
DIN 913 M8x18 IK3	8	18	✓
DIN 913 M10x18 IK4	10	18	✓
DIN 913 M12x16 IK4	12	16	✓
DIN 913 M16x20 IK8	16	20	✓
DIN 913 M20x25 IK9	20	25	✓

Z14 - INTERMEDIATE SLEEVES TO REDUCE CLAMPING DIAMETER

Z14 - DOUILLES DE RÉDUCTION POUR MANDRINS HYDRAULIQUES

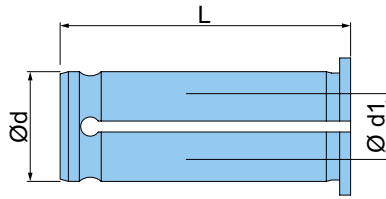


Designation Désignation	d	d1	L
ZWB 12-3	12	3	47
ZWB 12-4	12	4	47
ZWB 12-5	12	5	47
ZWB 12-6	12	6	47
ZWB 12-8	12	8	47
ZWB 20-6	20	6	52,5
ZWB 20-8	20	8	52,5
ZWB 20-10	20	10	52,5
ZWB 20-12	20	12	52,5
ZWB 20-14	20	14	52,5
ZWB 20-16	20	16	52,5
ZWB 32-6	32	6	63,5
ZWB 32-8	32	8	63,5
ZWB 32-10	32	10	63,5
ZWB 32-12	32	12	63,5
ZWB 32-14	32	14	63,5
ZWB 32-16	32	16	63,5
ZWB 32-18	32	18	63,5
ZWB 32-20	32	20	63,5
ZWB 32-25	32	25	63,5



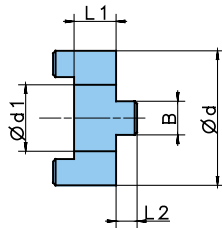
Z15 - INTERMEDIATE SLEEVES TO REDUCE CLAMPING DIAMETER

Z15 - DOUILLES DE RÉDUCTION POUR MANDRINS FORT SERRAGE



Designation Désignation	d	d1	L
RC 12.03	12	3	44
RC 12.04	12	4	44
RC 12.06	12	6	44
RC 12.08	12	8	44
RC 12.10	12	10	44
RC 20.03	20	3	50
RC 20.04	20	4	50
RC 20.05	20	5	50
RC 20.06	20	6	50
RC 20.08	20	8	50
RC 20.10	20	10	50
RC 20.12	20	12	50
RC 20.14	20	14	50
RC 20.16	20	16	50
RC 32.03	32	3	63
RC 32.04	32	4	63
RC 32.05	32	5	63
RC 32.06	32	6	63
RC 32.08	32	8	63
RC 32.10	32	10	63
RC 32.12	32	12	63
RC 32.14	32	14	63
RC 32.16	32	16	63
RC 32.18	32	18	63
RC 32.20	32	20	63
RC 32.25	32	25	63

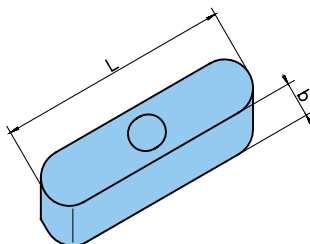
Z16 - DRIVE RING FOR COMBI ARBORS / BAGUE D'ENTRAÎNEMENT



DIN 6366

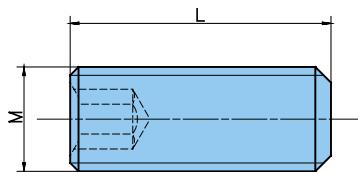
Designation Désignation	d1	d	L1	B	L2
16 D.RING SEMC	16	32	10	8	5
22 D.RING SEMC	22	40	12	10	6
27 D.RING SEMC	27	48	12	12	6,3
32 D.RING SEMC	32	58	14	14	7
40 D.RING SEMC	40	70	14	16	8
50 D.RING SEMC	50	90	16	18	9

Z17 - FEATHER KEY FOR COMBI ARBORS / CLAVETTE



Designation Désignation	Size Ø Diamètre Ø	b	L
PASSFEDER A4x4x20	16	4	20
PASSFEDER A6x6x25	22	6	25
PASSFEDER A7x7x25	27	7	25
PASSFEDER A8x7x28	32	8	28
PASSFEDER A10x8x32	40	10	32
PASSFEDER A12x8x36	50	12	36

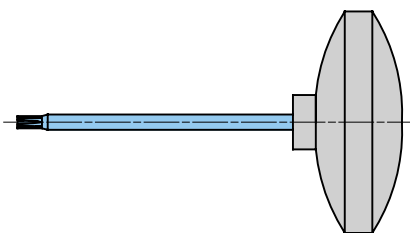
Z18 - SCREW FOR INNOFIT-ADAPTION / VIS DE SERRAGE POUR ATTACHEMENT INNOFIT



DIN 913

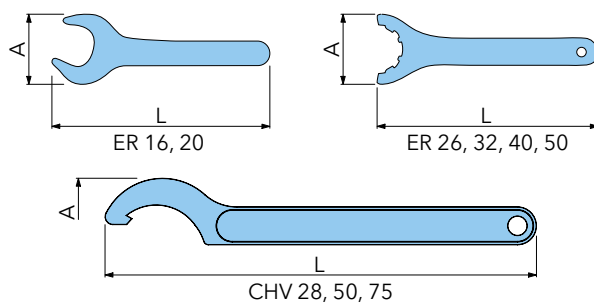
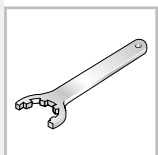
Designation Désignation	for Mod. pour Mod.	M
SA080-21	40	8X1
SA100-45	50	10X1

Z19 - WRENCH / CLÉ POUR SERRAGE



Designation Désignation	for Mod. pour Mod.
DS-H04T	40
DS-H05T	50

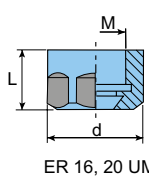
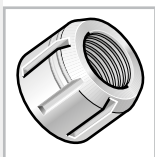
Z20 - WRENCH / CLÉ POUR ÉCROU PORTE-PINCE



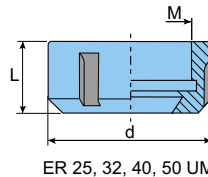
DIN 6499

Designation Désignation	A	L
WRENCH ER 16	42	140
WRENCH ER 20	60	135
WRENCH ER 25	65	210
WRENCH ER 32	75	250
WRENCH ER 40	90	290
WRENCH ER 50	110	350
CHV 28	12	135
CHV 50	20	206
CHV 75	32	241

Z21 - ER... CLAMPING NUT / ER... ECROU DE SERRAGE



ER 16, 20 UM



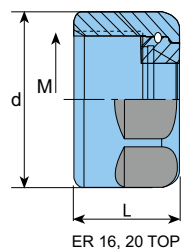
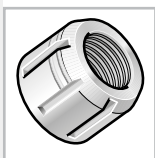
ER 25, 32, 40, 50 UM

DIN 6499

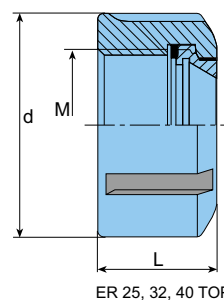
Designation Désignation	d	L	M	Nm (max.)
NUT ER11 UM	19	11,3	14X0,75	50
NUT ER16 UM	28	17	22X1,5	70
NUT ER20 UM	34	19	25X1,5	120
NUT ER25 UM	42	20	32X1,5	200
NUT ER32 UM	50	22	40X1,5	220
NUT ER40 UM	63	25	50X1,5	250
NUT ER50 UM	78	35	64X2,0	350

Z22 - ER... TOP CLAMPING NUT / ER... TOP ECROU DE SERRAGE

TOP: for precise tensioning and better handling
TOP: pour serrage précis et une meilleure maniabilité



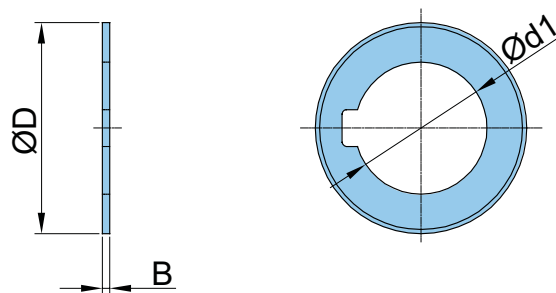
ER 16, 20 TOP



ER 25, 32, 40 TOP

Designation Désignation	d	L	M	Nm (max.)
NUT ER16 TOP	28	17	22X1,5	70
NUT ER20 TOP	34	19	25X1,5	120
NUT ER25 TOP	42	20	32X1,5	200
NUT ER32 TOP	50	22	40X1,5	220
NUT ER40 TOP	63	25	50X1,5	250

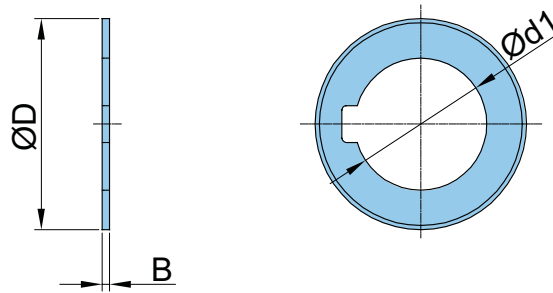
SPACER DIN 2084 / FORM A / ENTRETOISE DIN 2084 / FORM A



Designation Désignation	d1	D	B
DIN2084A16X003	16	25	0,03
DIN2084A16X004	16	25	0,04
DIN2084A16X005	16	25	0,05
DIN2084A16X01	16	25	0,1
DIN2084A16X02	16	25	0,2
DIN2084A16X03	16	25	0,3
DIN2084A16X05	16	25	0,5
DIN2084A16X06	16	25	0,6
DIN2084A16X1	16	25	1,0
DIN2084A16X1.5	16	25	1,5
DIN2084A22X003	22	33	0,03
DIN2084A22X004	22	33	0,04
DIN2084A22X005	22	33	0,05
DIN2084A22X01	22	33	0,1
DIN2084A22X02	22	33	0,2
DIN2084A22X03	22	33	0,3
DIN2084A22X05	22	33	0,5
DIN2084A22X06	22	33	0,6
DIN2084A22X1	22	33	1,0
DIN2084A22X1.5	22	33	1,5
DIN2084A27X003	27	39	0,03
DIN2084A27X004	27	39	0,04
DIN2084A27X005	27	39	0,05
DIN2084A27X01	27	39	0,1
DIN2084A27X02	27	39	0,2
DIN2084A27X03	27	39	0,3
DIN2084A27X05	27	39	0,5
DIN2084A27X06	27	39	0,6
DIN2084A27X1	27	39	1,0

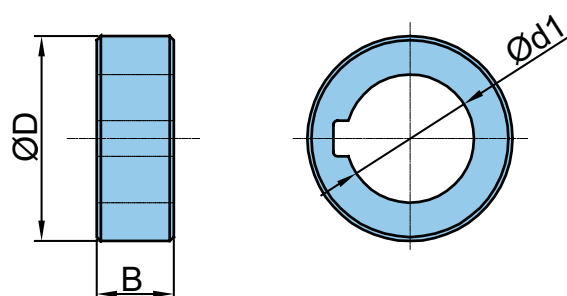


SPACER DIN 2084 / FORM A / ENTRETOISE DIN 2084 / FORM A



Designation Désignation	d1	D	B
DIN2084A27X1.5	27	39	1,5
DIN2084A32X003	32	45	0,03
DIN2084A32X004	32	45	0,04
DIN2084A32X005	32	45	0,05
DIN2084A32X01	32	45	0,1
DIN2084A32X02	32	45	0,2
DIN2084A32X03	32	45	0,3
DIN2084A32X05	32	45	0,5
DIN2084A32X06	32	45	0,6
DIN2084A32X1	32	45	1,0
DIN2084A32X1.5	32	45	1,5
DIN2084A40X003	40	54	0,03
DIN2084A40X004	40	54	0,04
DIN2084A40X005	40	54	0,05
DIN2084A40X01	40	54	0,1
DIN2084A40X02	40	54	0,2
DIN2084A40X03	40	54	0,3
DIN2084A40X05	40	54	0,5
DIN2084A40X06	40	54	0,6
DIN2084A40X1	40	54	1,0
DIN2084A40X1.5	40	54	1,5
DIN2084A50X005	50	67	0,05
DIN2084A50X01	50	67	0,1
DIN2084A50X02	50	67	0,2
DIN2084A50X03	50	67	0,3
DIN2084A50X05	50	67	0,5
DIN2084A50X06	50	67	0,6
DIN2084A50X1	50	67	1,0
DIN2084A50X1.5	50	67	1,5
DIN2084A60X005	60	79	0,05
DIN2084A60X01	60	79	0,1
DIN2084A60X02	60	79	0,2
DIN2084A60X03	60	79	0,3
DIN2084A60X05	60	79	0,5
DIN2084A60X06	60	79	0,6
DIN2084A60X1	60	79	1,0

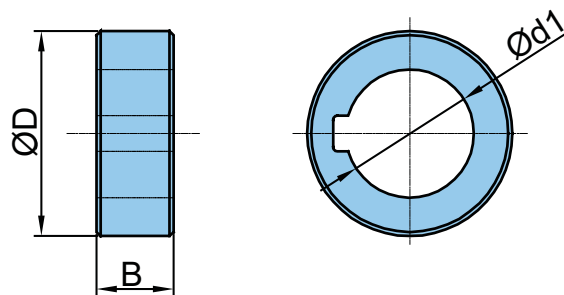
SPACER DIN 2084 / FORM B / ENTRETOISE DIN 2084 / FORM B



Designation Désignation	d1	D	B
DIN2084B16X2	16	27	2
DIN2084B16X3	16	27	3
DIN2084B16X4	16	27	4
DIN2084B16X5	16	27	5
DIN2084B16X6	16	27	6
DIN2084B16X10	16	27	10
DIN2084B16X20	16	27	20
DIN2084B16X30	16	27	30
DIN2084B16X60	16	27	60
DIN2084B22X2	22	34	2
DIN2084B22X3	22	34	3
DIN2084B22X4	22	34	4
DIN2084B22X5	22	34	5
DIN2084B22X6	22	34	6
DIN2084B22X10	22	34	10
DIN2084B22X20	22	34	20
DIN2084B22X30	22	34	30
DIN2084B22X60	22	34	60
DIN2084B22X100	22	34	100
DIN2084B27X2	27	41	2
DIN2084B27X3	27	41	3
DIN2084B27X4	27	41	4
DIN2084B27X5	27	41	5
DIN2084B27X6	27	41	6
DIN2084B27X10	27	41	10
DIN2084B27X20	27	41	20
DIN2084B27X30	27	41	30
DIN2084B27X60	27	41	60
DIN2084B27X100	27	41	100



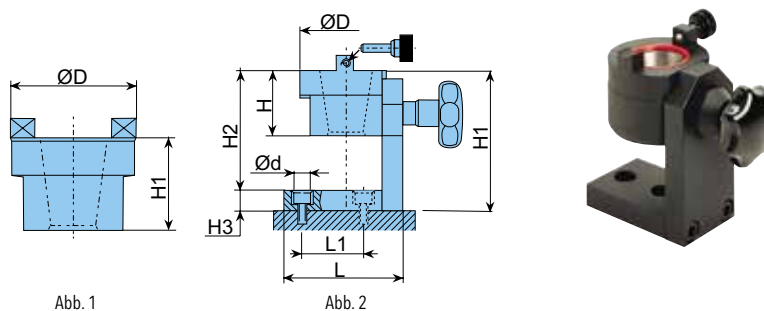
SPACER DIN 2084 / FORM B / ENTRETOISE DIN 2084 / FORM B



Designation Désignation	d1	D	B
DIN2084B32X2	32	47	2
DIN2084B32X3	32	47	3
DIN2084B32X4	32	47	4
DIN2084B32X5	32	47	5
DIN2084B32X6	32	47	6
DIN2084B32X10	32	47	10
DIN2084B32X20	32	47	20
DIN2084B32X30	32	47	30
DIN2084B32X60	32	47	60
DIN2084B32X100	32	47	100
DIN2084B40X2	40	55	2
DIN2084B40X3	40	55	3
DIN2084B40X4	40	55	4
DIN2084B40X5	40	55	5
DIN2084B40X6	40	55	6
DIN2084B40X10	40	55	10
DIN2084B40X20	40	55	20
DIN2084B40X30	40	55	30
DIN2084B40X60	40	55	60
DIN2084B40X100	40	55	100
DIN2084B50X2	50	69	2
DIN2084B50X3	50	69	3
DIN2084B50X4	50	69	4
DIN2084B50X5	50	69	5
DIN2084B50X6	50	69	6
DIN2084B50X10	50	69	10
DIN2084B50X20	50	69	20
DIN2084B50X30	50	69	30
DIN2084B50X60	50	69	60
DIN2084B50X100	50	69	100
DIN2084B60X6	60	84	6
DIN2084B60X10	60	84	10
DIN2084B60X20	60	84	20
DIN2084B60X30	60	84	30
DIN2084B60X60	60	84	60
DIN2084B60X100	60	84	100

TOOL MOUNTING DEVICE / DISPOSITIF DE MONTAGE D'OUTIL

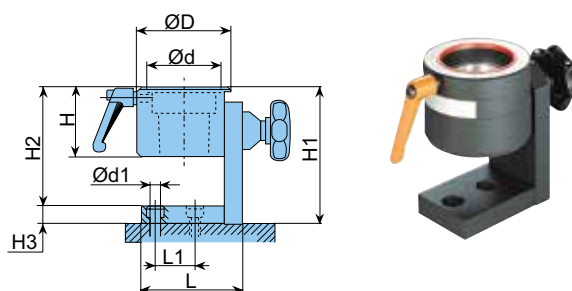
For DIN/ISO; MAS-BT adaptions
Pour attachements DIN/ISO & BT-MAS



Designation Désignation	D	H	H1	H2	H3	L	L1	d	Abb.
TOOL CLAMP 40 ROTARY	82	60	127	108	19	104	55	12,5	2
TOOL CLAMP 50 ROTARY	110	70	173	154	19	144	95	12,5	2
TOOL CLAMP 40 FIX	82	60	-	-	-	-	-	-	1
TOOL CLAMP 50 FIX	110	70	-	-	-	-	-	-	1

TOOL MOUNTING DEVICE / DISPOSITIF DE MONTAGE D'OUTIL

For HSK tools
Pour attachements HSK



Designation Désignation	HSK	D	d	d1	L	L1	H	H1	H2	H3
MULTI CLAMP 50 A/C	A 50	82	50	12,5	104	40	72	142	123	19
MULTI CLAMP 63 A/C	A 63	95	63	12,5	104	40	72	142	123	19
MULTI CLAMP 100 A/C	A 100	130	100	12,5	144	85	90	178	159	19
MULTI CLAMP 40 E/F	E 40	73,5	40	12,5	104	40	55	125	106	19
MULTI CLAMP 50 E/F	E 50	73,5	50	12,5	104	40	55	125	106	19
MULTI CLAMP 63 E/F	E 63	106,6	63	12,5	104	85	70	114,4	95,4	19

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12A5S010035T1R00	226	12J1D012020W3R01	57	12L8D012017X4R00	218
12A5S010075T1R00	226	12J1D012023X4R00	58	12L8D016023X5R00	218
12A5S010140T1R00	226	12J1D014022W3R00	57	12L8D020023X6R00	218
12A5T012050T2R00	226	12J1D014022W3R01	57	12L8D025027X7R00	218
12A5T012090T2R00	226	12J1D015023X5R00	58	12L8G020027X6R00	221
12A5T012150T2R00	226	12J1D016019T3R00	56	12L8G025035X7R00	221
12A5U016060T3R00	226	12J1D016019TRR00	59	12L8G032038X8R00	221
12A5U016080T3R00	226	12J1D016023X5R00	58	12L8J016023X5R00	217
12A5U016150T3R00	226	12J1D016026W3R00	57	12L8J020030X6R00	217
12A9R008020TOR00	224	12J1D020017T4R00	56	12L8J025035X7R00	217
12A9S010020X4R00	228	12J1D020022TSR00	59	12L8J035043X8R00	217
12A9S010030T1R00	224	12J1D020030W4R00	57	12L8J042043X8R00	217
12A9T012023X4R00	228	12J1D020030X6R00	58	12M1D008025T1R00	170
12A9T012023X5R00	228	12J1D025035X7R00	58	12M1R020044W5R00	171
12A9T012030T2R00	224	12J1D025040W5R00	57	12M8D016023X5R00	219
12A9U016030X5R00	228	12J1D025065T4R00	56	12M8D020023X6R00	219
12A9U016040T3R00	224	12J1D030043X8R00	58	12M8D025027X7R00	219
12A9V020030X6R00	228	12J1D032043X8R00	58	12M8G020027X6R00	222
12A9V020040T4R00	224	12J1D035043X8R00	58	12M8G025035X7R00	222
12A9V020050T4R00	224	12J1P012020W3R00	60	12M8G032038X8R00	222
12A9V020070T4R00	224	12J1P012030X4R00	62	12N1D008025T1R00	170
12A9W025035X7R00	228	12J1P015030X5R00	62	12N1R020044W5R00	171
12A9X030043X8R00	228	12J1P016026TRR00	64	12N8D016023X5R00	220
12A9Y032043X8R00	228	12J1P016026W3R00	60	12N8D020023X6R00	220
12F1D030043X8R00	134	12J1P016035X5R00	62	12N8G032038X8R00	223
12F1D035043X8R00	134	12J1P020026TSR00	64	12P1D008025T1R00	170
12F1D040043X8R00	134	12J1P020030W4R00	60	12P1R020044W5R00	171
12F1D042043X8R00	134	12J1P020030W4R01	60	12Q1R020044W5R00	171
12J1A006012T7R00	49	12J1P020035X6R00	62	12U9S010020X4R00	230
12J1A008010TQR00	51	12J1P020035X6R01	62	12U9T012023X4R00	230
12J1A008012TOR00	49	12J1P020075W4R00	60	12U9T012023X5R00	230
12J1A009012TOR00	49	12J1P025032TUR00	64	12U9U016030X5R00	230
12J1A010015T1R00	49	12J1P025035X7R00	62	12U9V020030X6R00	230
12J1A010016T6R00	51	12J1P025040W5R00	60	12U9W025035X7R00	230
12J1A010017X4R00	50	12J1P025085W5R00	60	15B1D012028X4R00	184
12J1A011012T1R00	49	12J1P025085W5R01	60	15B1D012028X5R00	184
12J1A012015T2R00	49	12J1P032043X8R00	62	15B1D016023X5R00	184
12J1A012017T8R00	51	12J1P032043X8R01	62	15B1D020030X6R00	184
12J1A012017X4R00	50	12J1P035043X8R00	62	15B1D025035X7R00	184
12J1A013012T2R00	49	12J1R020030W4R00	66	15B1E016023X5R00	185
12J1A014012T2R00	49	12J1R020035X6R00	68	15B1E030043X8R00	185
12J1A015023X5R00	50	12J1R025035X7R00	68	15B1G020030X6R00	186
12J1A016023X5R00	50	12J1R025035X7R01	68	15B1G025035X7R00	186
12J1A020030X6R00	50	12J1R025040W5R00	66	15B1G025035X7R01	186
12J1D010016T1R00	56	12J1R025040W5R01	66	15B1G030043X8R00	186
12J1D010016T6R00	59	12J1R032038W6R00	66	15B1G035043X8R00	186
12J1D010017X4R00	58	12J1R032040W5R00	66	15B1G042043X8R00	186
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GENERAL TERMS OF SALE AND DELIVERY

Our services and deliveries are provided exclusively on the basis of our General Terms and Conditions of Business and Delivery. These are a component of the contract. They also apply to all future transactions in as far as these are of the same nature. The client confirms in the contractual declaration upon closing the contract that they have taken note of our General Terms and Conditions of Business and Delivery. The client confirms in the contractual declaration upon closing the contract that they agree to our General Terms and Conditions of Business and Delivery in the contract and their content.

Our General Terms and Conditions of Business and Delivery can be found on our website <https://www.ingersoll-imc.de/en> under the heading 'General Terms and Conditions'. We also hereby offer to supply a print-out of our General Terms and Conditions of Business and Delivery.

CONDITIONS GENERALES DE VENTE

Nos prestations et livraisons sont uniquement effectuées sur la base de nos Conditions générales de vente et de livraison. Celles-ci font partie intégrante du contrat. Elles sont aussi valables pour toutes les opérations futures, dans la mesure où il s'agit d'opérations de même type. Par le biais de sa déclaration contractuelle à la conclusion du contrat, le client atteste avoir pris connaissance de nos Conditions générales de vente et de livraison. Par le biais de sa déclaration contractuelle à la conclusion du contrat, le client confirme avoir donné son consentement concernant l'intégration de nos Conditions générales de vente et de livraison dans le contrat ainsi que le contenu de celles-ci.

Nos Conditions générales de vente et de livraison peuvent être consultées sur notre site Internet <https://www.ingersoll-imc.fr/> à la rubrique « Conditions et Terms ». En outre, nous vous soumettons par la présente l'offre concernant l'envoi d'un exemplaire imprimé de nos Conditions générales de vente et de livraison.

CUSTOMERS - INTENSIFY CONTACTS



Ingersoll Werkzeuge is present all over the world – at tool shows and congresses of the milling and machine tool industry as well as at house exhibitions of leading machine tool manufacturers.

To intensify the direct contact to our customers, we organize special seminars and application-specific training courses in our customer centers in Haiger and Horrheim/Germany and Rockford/USA.

Current dates and up-to-date information on our seminars are stated under: www.ingersoll-imc.de and www.ingersoll-imc.com



NOS CLIENTS - INTENSIFIER LES CONTACTS



Ingersoll Werkzeuge GmbH est présent dans le monde entier lors de salons et congrès sur l'industrie du fraisage et de la machine-outil, ainsi qu'aux portes ouvertes des fabricants leader en machines.

Pour assurer les relations directes avec nos clients, nous organisons des séminaires et des formations sur des applications spécifiques dans nos centres techniques de Haiger/Allemagne et Rockford/USA.

Les dates et informations utiles sur nos séminaires sont disponibles sur: www.ingersoll-imc.fr



Ingersoll is a worldwide operating manufacturer of milling, boring, threading and turning tools for demanding machining operations.

Our main production plants in Haiger and Horrheim in Germany as well as Rockford in the United States, supply customers all over the world. Experienced and well-trained representatives in over 45 countries ensure a network of on-site advice and assistance. Ingersoll's complete range of performance and service is available to our customers – all over the world.



Marketing Standort Haiger (Germany)



Marketing office Rockford (USA)

Ingersoll est un fabricant mondial d'outils coupants destinés aux opérations de fraisage et tournage.

Nos principaux sites de fabrication, à Haiger et à Horrheim en Allemagne ainsi qu'à Rockford aux USA, fournissent nos clients dans le monde entier. Dans plus de 45 pays, nos représentants expérimentés et formés à notre technologie, constituent un réseau d'assistance et de conseils sur site. La gamme complète de produits performants et services Ingersoll est accessible à nos clients - partout dans le monde.

Ingersoll Cutting Tools

Marketing & Technology

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