

MILLING AND BORING TOOLS
OUTILS DE FRAISAGE

WINSFEED

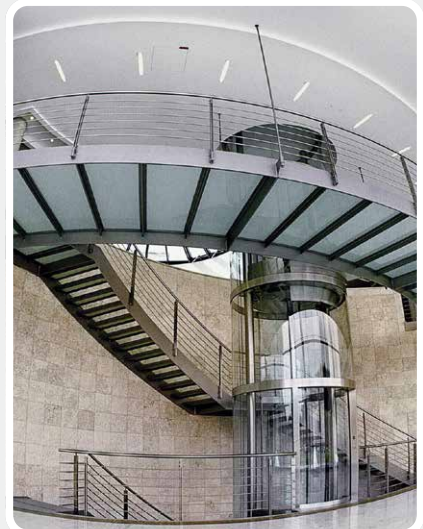




Ingersoll Werkzeuge GmbH is specialized in the production of cutting tools with an excellent vibration-free performance in both standard and special-purpose design.

In addition to very successful solutions for heavy-duty milling and the project-oriented development of special cutting tool solutions, we offer a whole range of technology potential which is applied by the most various industries.

The close cooperation with our customers for the development of technically demanding solutions for machining problems is the basis of long-term and durable partnerships – worldwide. Small as well as medium-sized companies but also international enterprises trust our professional qualification and profit from the reliability and process security of our cutting tools.





Ingersoll Werkzeuge GmbH est une entreprise spécialisée dans la fabrication d'outils coupants. Les produits standards et spéciaux sont très performants, particulièrement en matière de rigidité.

En plus de nos solutions innovantes pour le fraisage lourd et notre orientation vers le développement d'outils coupants spéciaux, nous offrons une gamme complète pouvant répondre aux technologies appliquées dans la plupart des industries.

Travailler en étroite collaboration avec nos clients afin de développer des solutions techniques en matière de fraisage, tournage et perçage, est pour nous la base d'un partenariat durable, dans le monde entier. Notre professionnalisme ainsi que la fiabilité de nos outils et la sécurité de nos process sont reconnus à la fois par des petites et moyennes entreprises mais aussi par des groupes internationaux.



Ingersoll's standard program comprises a broad and worldwide established range of cutting tools, suitable for the most various applications.

This range of cutting tools is constantly expanded: End mills, shell end mills, shoulder-type milling cutters, face mills, slotting cutters, form milling cutters, indexable drills, solid carbide, adaptions, set-up equipment and indexable inserts.

With a complete line of turning and grooving tools we can now offer our customers a new group of products, thus expanding our capabilities as a broad-range supplier. The development and production of special-purpose tools according to customer-specific requirements is another important factor for Ingersoll Werkzeuge GmbH. Our know-how and great potential of experience, combined with our own demand for quality, functionality and innovation, guarantees our customers the optimum cutting tool solution – for individual machining tasks, for all industries.



Le programme standard d'ingersoll se compose d'une gamme complète d'outils coupants reconnue au niveau international et adaptée à la plupart des usinages.

Cette gamme d'outils coupants se développe constamment: fraise à surfacer, à dresser, à rainurer, 3 tailles, fraises de forme, attachements, moyens de réglage et plaquettes indexables.

La seconde activité importante d'Ingersoll outils coupants est le développement et la fabrication d'outils spéciaux, réalisés selon la demande spécifique du client. Notre savoir faire ainsi que notre expérience, alliés à un souci de qualité, de fonctionnalité et d'innovation garantissent à nos clients des solutions optimales d'outils coupants pour tous les types d'usinage et d'industries.



Product range

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High speed cutter

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Solid carbide milling cutters

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ISO-DESIGNATION OF INDEXABLE INSERTS / SYSTÈME DE DÉSIGNATION ISO-PLAQUETTES

O

N

C

U

05

INSERT SHAPE
FORME DE LA PLAQUETTE

CLEARANCE ANGLE
ANGLE DE DÉPOUILLE

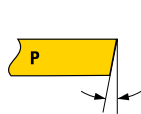
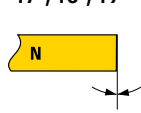
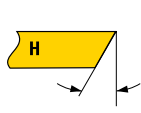
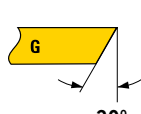
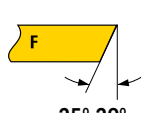
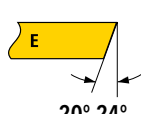
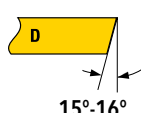
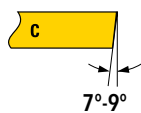
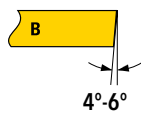
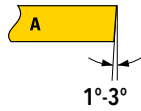
TOLERANCES
TOLÉRANCE

INSERT TYPE
TYPE

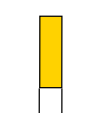
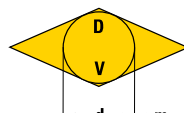
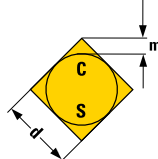
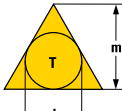
CUTTING EDGE LENGTH
LONGUEUR D'ARÊTE DE COUPE



U = High feed geometry
Géométrie grande avance
Z = Chip breaker geometry
Géométrie avec brise copeaux



0 = others
autres



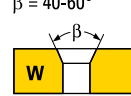
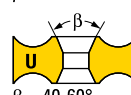
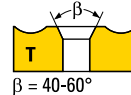
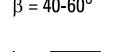
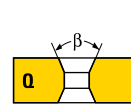
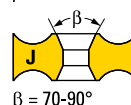
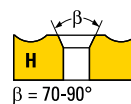
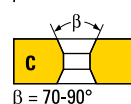
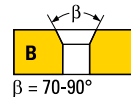
	d	m	s
A	±0,025	±0,005	±0,025
C	±0,025	±0,013	±0,025
E	±0,025	±0,025	±0,025
F	±0,013	±0,005	±0,025
G	±0,025	±0,025	±0,05-0,13
H	±0,013	±0,013	±0,025
J ¹	±0,05-0,15 ²	±0,005	±0,025
K ¹	±0,05-0,15 ²	±0,013	±0,025
L ¹	±0,05-0,15 ²	±0,013	±0,025
M	±0,05-0,15 ²	±0,08-0,20 ²	±0,013
N	±0,05-0,15 ²	±0,08-0,20 ²	±0,025
U	±0,05-0,25 ²	±0,13-0,38 ²	±0,05-0,13

¹Inserts with ground wiper

²Depending on insert size
(see ISO standard 1832)

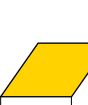
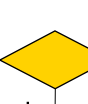
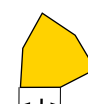
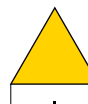
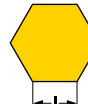
¹Plaquettes racleuse de finition

²Selon les dimensions de plaquettes
(voir Norme ISO 1832)



X = Special design
(description required)

X = Version spécial
(description requise)



05

AN

T

N

HR

INSERT THICKNESS
EPAISSEUR DE PLAQUETTE

01 s=1,59

T1 s= 1,98

02 s= 2,38

T2 s= 2,78

03 s= 3,18

T3 s= 3,97

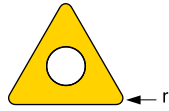
04 s= 4,76

05 s= 5,56

06 s= 6,35

07 s= 7,94

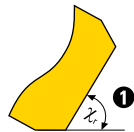
09 s= 9,52

CORNER RADIUS
RAYON DE BEC

02	r= 0,2
04	r= 0,4
08	r= 0,8
12	r= 1,2
16	v 1,6
24	r= 2,4



00 dia. in inch measures
converted to mm
M0 dia. in metric measures
00 dia. avec des mesures en
inch converties en mm
M0 dia. en mesures métrique



1 Lead angle λ_r
Angle d'attaque λ_r

A = 45°

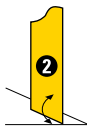
D = 60°

E = 75°

F = 85°

P = 90°

Z = others / autres



2 Clearance angle on wiper
Angle de dépouille

A = 3°

B = 5°

C = 7°

D = 15°

E = 20°

F = 25°

G = 30°

N = 0°

P = 11°

Z = other / autres

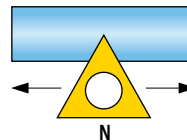
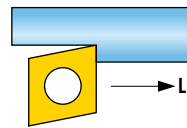
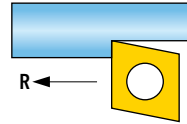
CUTTING EDGE
ARÊTE DE COUPE

E
rounded /
honing

F
sharp edge/
angle vif

T
with K-land /
chanfrein d'arête

S
with K-land & rounded /
chanfrein & honing

CUTTING DIRECTION
DIRECTION DE COUPE

For example:

P = Polished

W = With wiper
finishing edge /
facette

HR = Heat grooves

Par exemple:

P = Polie

W = Plaquette avec
arête de planageHR = Rainures de
refroidissement

DESIGNATION SYSTEM OF SOLID CARBIDE MILLING CUTTERS / SYSTÈME DE DÉSIGNATION FRAISES CARBURE MONOBLOC

X	X	A	XXX
TOOL TYPE TYPE OUTIL	DENSITY PAS	STYLE STYLE	TOOL DIAMETER DIAMÈTRE OUTIL
1 End or shell-type mill with straight flute / Fraises en bout avec goujures droites 2 Stepped end mills / Fraises an bout étagées 4 Solid carbide end mills & screw-type mills, helical flute / Fraises carbure monobloc	5 Solid carbide, 1 & 2 no. of flutes, large spacing / Carbure monobloc, 1 & 2 goujures, pas large 6 Solid carbide, 3 no. of flutes, normal spacing / Carbure monobloc, 3 goujures, espacement normal 7 Solid carbide, 4 & 5 no. of flutes, narrow spacing / Carbure monobloc, 4&5 goujures, pas fin 8 Solid carbide, 6-9 no. of flutes, extra narrow spacing / Carbure monobloc, 6-9 goujures, pas très fin 9 Solid carbide, 10 or more flutes, extra narrow spacing / Carbure monobloc, 10 et plus goujures, pas extra fin R Blank / Brut	A High speed cutter / Fraises à haute vitesse B Ball nose cutter - cylindrical / Fraise à copier - cylindrique C 90° cutting angle with chamfer on cutting edge / Angle de coupe à 90° avec chanfrein d'arête D 90° cutting angle with radius on cutting edge / Angle de coupe à 90° avec rayon d'arête J 90° cutting angle with sharp cutting edge / Angle de coupe à 90° avec arête vive M 60° - 74° cutting angle / Angle de coupe 60° - 74° N 45° - 59° cutting angle / Angle de coupe 45° - 59° P 1° - 44° cutting angle / Angle de coupe 1° - 44° R Outside radius chamfer mill / Fraises à rayons concaves T T-slot mill / Fraises disques U Torus form mill / Fraises toriques X Ball nose mill - spherical / Fraises boule - sphérique Y Thread mill / Fraises à fileter Z Centering mil / Foret à centrer	3-digit number e.g. diameter 12.0mm = 120 3 chiffres digitaux 12,0mm = 120

XX**CUTTING LENGTH OR TOOL HEIGHT
LONGUEUR DE COUPE**

2-digit number
e.g. cutting edge 7.0mm = 70

2 chiffres digitaux
par exemple longueur de coupe
7,0mm = 70

EE**ADAPTION CODE
CODE ATTACHEMENT**

T0 8 mm cyl. shank / queue cyl.
T1 10 mm cyl. shank / queue cyl.
T2 12 mm cyl. shank / queue cyl.
T3 16 mm cyl. shank / queue cyl.
T4 20 mm cyl. shank / queue cyl.
T5 25 mm cyl. shank / queue cyl.
T6 ChipSurfer thread / filetage Ts 6
T7 6 mm cyl. shank / queue cyl.
T8 ChipSurfer thread / filetage Ts 8
T9 3 mm cyl. shank / queue cyl.
TQ ChipSurfer thread / filetage Ts 5
TR ChipSurfer thread / filetage Ts 10
TS ChipSurfer thread / filetage Ts 12
TU ChipSurfer thread / filetage Ts 15
UA 7 mm cyl. shank / queue cyl.
UD 2 mm cyl. shank / queue cyl.
UE 2,5 mm cyl. shank / queue cyl.
UF 3,5 mm cyl. shank / queue cyl.
UG 4,5 mm cyl. shank / queue cyl.
UH 5,5 mm cyl. shank / queue cyl.
U0 4 mm cyl. shank / queue cyl.
U1 5 mm cyl. shank / queue cyl.
U2 18 mm cyl. shank / queue cyl.
U8 14 mm cyl. shank / queue cyl.
U9 9 mm cyl. shank / queue cyl.
WE 6 mm Weldon DIN 6535 HB
WF 14 mm Weldon DIN 6535 HB
WG 18 mm Weldon DIN 6535 HB
W0 8 mm Weldon DIN 6535 HB
W1 10 mm Weldon DIN 6535 HB
W2 12 mm Weldon DIN 6535 HB
W3 16 mm Weldon DIN 6535 HB
W4 20 mm Weldon DIN 6535 HB
W5 25 mm Weldon DIN 6535 HB
WR 5 mm Weldon DIN 6535 HB

H**ROTATING DIRECTION
SENS DE ROTATION**

R R. H. mills
droite
L L. H. mills
gauche
 - neutral (R. H. / L. H.)
neutre

00**STANDARD OR SPECIAL TOOL
STANDARD OU SPECIAL**

A 0°-25° pos. helical angle /
0°-25° angle d'hélice pos.
B 26°-34° pos. helical angle /
26°-34° angle d'hélice pos.
C 35°-44° pos. helical angle /
35°-44° angle d'hélice pos.
D pos. helical angle > 45°/
angle d'hélice pos. >45°
F 0°-25° neg. helical angle /
0°-25° angle d'hélice nég.
G 26°-34° neg. helical angle /
26°-34° angle d'hélice nég.
H 35°-44° neg. helical angle /
35°-44° angle d'hélice nég.
J neg. helical angle > 45°/
angle d'hélice nég. >45°
K neg. chamfer
chamfrein nég.
L 0°-30° pos. helical angle with
chipbreaker /
0° - 30° angle d'hélice pos. avec
brise copeaux
M 31°-44° pos. helical angle with
chipbreaker /
31° - 44° angle d'hélice pos. avec
brise copeaux
N > 45° pos. helical angle with chip
breaker resp. neutral slot mill /
> 45° angle d'hélice pos. avec
brise copeaux
P positive slot mill
Fraise disque pos.
Q HPC divers spacing /
HPC pas décalé
T HPC divers spacing and divers
helical angle /
HPC fraise à hélice et pas décalé
U 45° roughing and finishing /
45° ébauche et finition
W High precision cutter /
Fraise haute précision

TABLE OF GRADES

	Grade	Coating	ISO-Group	Milling	Drilling	Solids	Carbide	Application and Material
Carbide	IN05S	-	N10-N25	•				for machining of AL-alloys and non-ferrous materials
	IN10K	-	N10-N25	•	•			for finish machining of AL-alloys and non-ferrous materials
	IN15K	-	K15-K30	•				for machining of cast iron
			N15-N30					for machining of AL-alloys and non-ferrous materials
PVD coated	IN0545	TiN	P25-P45	•	•			special grade for circular milling of threads
			M25-M45					drilling of carbon and alloy steels
	IN1205	TiB ₂	N20-N40	•				for machining aluminum and aluminum alloys
			S20-S40					as well as non-ferrous metal and non-metallic material
	IN1530	TiCN / TiN	P25-P40	•				very tough quality for machining steel under unstable conditions
			M30-M40					very tough quality for machining stainless steel under unstable conditions
	IN2004	TiAlN	S20-S30					very tough quality for machining heat resistant steels under unstable conditions
			P05-P20					for milling of alloyed steel
	IN2005	TiAlN	K05-K25	•				for medium machining of gray cast iron-especially CGI
			H05-H25					for finish machining of hardened steel at medium up to high cutting speed
			P15-P30					for general machining of steel at high cutting speed
			M15-M35	•	•	•		for general machining of stainless steel
	IN2006	TiAlN	K20-K40					for general machining of cast iron
			S05-S20					for general milling of heat resistant alloys and titanium also for wet machining
			P10-P30					for finish machining at high cutting speed and low cutting depth
			M10-M30	•				for finish machining of stainless steel
	IN2010	TiAlN	S10-S30					for finish machining of heat resistant alloys and titanium
			H10-H30					for finish machining of hardened steel up to 55 HRC
	IN2030	TiAlN	K10-K30	•	•			for finish machining and drilling of cast iron
			P30-P50					for machining steel with high cutting speed
			M30-M50	•				for machining stainless steel with high cutting speed
			K30-K50					for machining cast iron
	IN2035	TiAlN	S30-S50					for machining of heat resistant alloys and titanium
			M30-M50	•				for machining of stainless and austenitic steel and heat resistant alloys
	IN2036	AlTiN	S30-S50	•				mainly for milling of materials of machining group "S"
			M30-M50					AlTiN coated grade with highest toughness for processing stainless steels
	IN2040	TiAlN	S30-S50	•				and for machining difficult-to-machine materials of machining group "S"
			P10-P30					for finish machining of unalloyed steel and tempered steel
	IN2205	AlTiN / TiAlSiN	P10-P30	•				for machining steel at low to medium cutting speeds
			M30-M50					for machining stainless steels (<40 HRC) at low to medium cutting speeds
	IN2504	AlTiN	S30-S50	•				for machining heat-resistant alloys at low to medium cutting speeds
			P05-P25					for milling of steel at medium up to high cutting speed
	IN2505	TiAlN / TiN	K05-K25	•				for milling hardened steels at medium to high cutting speeds
			H05-H25					for milling of hardened steel at medium up to high cutting speed
	IN2510	TiAlN / TiN	P20-P40	•	•			for semi-finish and rough machining of steel with high strength
			M20-M40					for general machining of stainless steel
	IN2530	TiAlN / TiN	S20-S40	•				for general machining of heat resistant alloys
			K10-K30					for general machining of gray cast and non-ferrous metal
	IN2540	TiAlN / TiN	H10-H30	•				for general milling of hardened steel
			P30-P50					tough grade for general machining of steel
	IN3305	DLC	M30-M50	•	•			for general machining of stainless steel
			K30-K50					for general machining of cast iron
	IN4005	TiAlN / AlCrO	S30-S50	•				for general machining of heat resistant alloys
			P10-P30					for semi-finish and rough machining of unalloyed steel and tempered steel
	IN4010	TiAlN / AlCrO	K10-K30	•				for leveling and roughing cast iron materials
			P15-P35					DLC coated fine-grain metal for processing aluminum and non-ferrous materials
	IN4015	TiAlN / AlCrO	K15-K35	•				for general machining of steel
			P30-P50					for general machining of stainless steel
	IN4030	TiAlN / AlCrO	M30-M50	•				for general machining of cast iron
			K30-K50					for general machining of stainless and austenitic steel
	IN4035	TiAlN / AlCrO	S30-S50	•				for general machining of cast iron
			M30-M50					for general machining of heat resistant alloys
	IN4036	TiAlN / AlCrO	S30-S50	•				for machining of stainless steel, austenitic steel and heat resistant alloys
			P10-P30					mainly for milling of materials of machining group „S“
	IN4040	TiAlN / AlCrO	K10-K30	•				for machining of stainless steel, austenitic steel and heat resistant alloys
								mainly for milling of materials of machining group „S“
								for medium machining of unalloyed and tempered steel
								for medium machining of cast iron

TABLE DES NUANCE

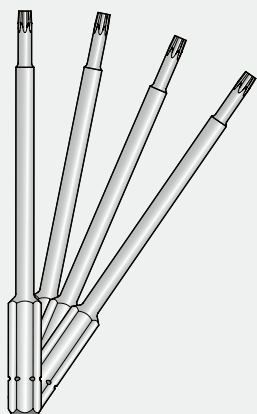
	Nuance	Revêtement	Groupe ISO	Fraisage	Perçage	Carbure Mono.	Application et Matière
Carbure	IN05S	-	N10-N25	•		•	pour usiner des alliages d'Al et des matériaux non ferreux
	IN10K	-	N10-N25	•	•		pour la finition d'alliages d'Al et de matériaux non ferreux
	IN15K	-	K15-K30	•			pour l'usinage des fontes
			N15-N30				pour la finition d'alliages d'Al et de matériaux non ferreux
Revêtement PVD	IN0545	TiN	P25-P45	•	•		nuance spéciale pour le filetage par interpolation
			M25-M45				perçage d'aciers alliés et bas carbone
	IN1205	TiB ₂	N20-N40	•			pour l'usinage de l'aluminium et des alliages d'aluminium
			S20-S40				ainsi que pour les métaux non ferreux et des matières non métalliques
	IN1530	TiCN / TiN	P25-P40	•			nuance très résistante pour l'usinage de l'acier dans des conditions instables
			M30-M40				nuance très résistante pour l'usinage de l'acier inoxydable dans des conditions instables
			S20-S30				nuance très résistante pour l'usinage des alliages réfractaires dans des conditions instables
	IN2004	TiAlN	P05-P20	•			pour le fraisage d'aciers alliés
			K05-K25				pour la semi-finition des fontes grises (à graphite lamellaire) - spécialement les GGV
			H05-H25				pour la finition des aciers traités avec des vitesses de coupe moyennes à élevées
	IN2005	TiAlN	P15-P30	•	•	•	pour l'usinage d'aciers à de hautes vitesses de coupe
			M15-M35				pour l'usinage d'aciers inoxydables
			K20-K40				pour l'usinage des fontes
			S05-S20				pour l'usinage d'alliages exotiques et Titane sous arrosage
	IN2006	TiAlN	P10-P30	•	•		pour l'usinage en finition, à vitesse de coupe élevée et à faible profondeur de coupe
			M10-M30				pour l'usinage en finition de l'acier inoxydable
			S10-S30				pour l'usinage en finition des alliages réfractaires et du titane
	IN2010	TiAlN	H10-H30	•	•		pour l'usinage des aciers traités jusqu'à 55 HRC
			K10-K30				pour les usinages de finition et le perçage des fontes
			P30-P50				pour l'usinage de l'acier, à vitesse de coupe élevée
	IN2030	TiAlN	M30-M50	•			pour l'usinage de l'acier inoxydable, à une vitesse de coupe élevée
			K30-K50				pour l'usinage de la fonte
			S30-S50				pour l'usinage des alliages réfractaires et du titane
	IN2035	TiAlN	M30-M50	•			pour l'usinage des aciers inoxydables et des alliages réfractaires
			S30-S50				principalement pour les matières faisant partie du Groupe "S"
	IN2036	AlTiN	M30-M50	•			nuance avec revêtement AlTiN, alliant une haute ténacité, pour l'usinage des aciers inoxydables et des matériaux difficiles à usiner du groupe "S"
	IN2040	TiAlN	S30-S50	•			pour la semi-finition d'aciers non alliés et aciers revenus
			P10-P30				pour l'usinage de l'acier, à des vitesses de coupe faibles à moyennes
	IN2205	AlTiN / TiAlSiN	P10-P30	•			pour l'usinage des aciers inoxydables (<40 HRC), à des vitesses de coupe faibles à moyennes
			M30-M50				pour l'usinage d'alliages réfractaires, à des vitesses de coupe faibles à moyennes
			S30-S50				pour le fraisage d'aciers à des vitesses de coupe moyennes à élevées
	IN2504	AlTiN	P05-P25	•	•		pour le fraisage des aciers trempés, à des vitesses de coupe moyennes à élevées
			K05-K25				pour le fraisage d'aciers traités à des vitesses de coupe moyennes à élevées
			H05-H25				pour la semi-finition et l'ébauche d'aciers à haute résistance
	IN2505	TiAlN / TiN	P20-P40	•	•		pour les applications générales d'aciers inoxydables
			M20-M40				pour les applications générales dans les matériaux exotiques
	IN2510	TiAlN / TiN	S20-S40	•			pour l'usinage des fontes grises et des matériaux non ferreux
			K10-K30				pour l'usinage des aciers traités
	IN2530	TiAlN / TiN	H10-H30	•	•		nuance résistante pour les applications d'usinage des aciers
			P30-P50				pour l'usinage général des aciers inoxydables
			M30-M50				pour l'usinage général des fontes
			K30-K50				pour l'usinage général des matériaux réfractaires
	IN2540	TiAlN / TiN	S30-S50	•			pour la semi-finition et ébauche des aciers non alliés et des aciers revenus
			P10-P30				pour niveler et ébaucher les matières en fontes
	IN3305	DLC	K10-K30	•			carbure à grain fin, avec revêtement DLC, pour l'usinage de l'aluminium et des matériaux non ferreux
	IN4005	TiAlN / AlCrO	P20-P40	•			pour l'usinage général des aciers
			M20-M40				pour l'usinage général des aciers inoxydables
	IN4010	TiAlN / AlCrO	S20-S40	•			pour l'usinage général des matériaux réfractaires et du Titane
			K10-K30				pour l'usinage général de la fonte
	IN4015	TiAlN / AlCrO	P15-P35	•			pour le fraisage d'aciers à haute résistance à des vitesses de coupe moyennes
			K15-K35				pour le fraisage général des fontes grises et des fontes ductiles
	IN4030	TiAlN / AlCrO	P30-P50	•			nuance résistante pour l'usinage général des aciers
			M30-M50				pour l'usinage général des inox et des aciers austénitiques
			K30-K50				pour l'usinage général de la fonte
			S30-S50				pour l'usinage général des alliages réfractaires
	IN4035	TiAlN / AlCrO	M30-M50	•			pour l'usinage des aciers inoxydables, aciers austénitiques et alliages exotiques
			S30-S50				principalement pour les matières faisant partie du groupe "S"
	IN4036	TiAlN / AlCrO	M30-M50	•			pour l'usinage de l'acier inoxydable, de l'acier austénitique et des alliages résistants à la chaleur
			S30-S50				principalement pour le fraisage de matériaux du groupe "S"
	IN4040	TiAlN / AlCrO	P10-P30	•			pour l'ébauche moyenne d'aciers non alliés et revenus
			K10-K30				pour usinage moyen de la fonte

	Nuance	Revêtement	Groupe ISO	Fraisage	Perçage	Carbure Mono.	Application et Matières
Revêtement CVD	IN6505	TiCN / Al ₂ O ₃ / TiN	P10-P25	•			pour le perçage des aciers, utilisé uniquement en périphérie du foret QuadTwist
	IN6535	TiCN / Al ₂ O ₃ / TiN	M15-M30 S15-S30	•			pour l'usinage à sec des aciers inoxydables et des alliages exotiques à de hautes Vc principalement pour le fraisage des matières faisant partie du Groupe "S"
	IN6537	MTiCN / Al ₂ O ₃ / TiN	P30-P45 M30-M45 K30-K45	•			pour l'ébauche des aciers au carbone et des aciers alliés à haute vitesse pour le fraisage des inox à une vitesse de coupe moyenne
	IN7035	TiCN / Al ₂ O ₃ / TiN	M25-M40 S25-S40	•			pour le fraisage ébauche de la fonte grise et de la fonte nodulaire pour l'usinage inox et aciers austénitiques et des alliages exotiques
	IN7036	TiCN / Al ₂ O ₃ / TiN	M25-M40 S25-S40	•			principalement pour le fraisage des matières faisant partie du Groupe "S"
Cermet	IN0560	TiN	P05-P15 M05-M15	•			pour la finition des aciers à des vitesses de coupe moyennes à élevées pour la finition des aciers inoxydables à des vitesses de coupe moyennes à élevées
Céramique	IN70N	Si ₃ N ₄	K10-K20	•			pour l'usinage des fontes sous de très hautes vitesses
	IN75N	SiAlON	K10-K20	•	•		pour l'usinage des fontes sous de très hautes vitesses
	IN76N	SiAlON	S25-S35	•	•		pour l'ébauche des alliages réfractaires
CBN	IN80B	-	K05-K15 H05-H15	•			pour l'usinage des matériaux durs et trempés pour l'usinage des aciers traités
PCD	IN90D	-	N01-N10	•			pour l'usinage de l'aluminium, des matériaux non-ferreux et du graphite

Application	Nuance	Groupe ISO					
Fraisage	IN2504	P05-P25				H05-H25	Dureté ↑ Tenacité ↓
	IN2006	P05-P20				H05-H20	
	IN2004	P10-P20		K10-K20		H05-H15	
	IN4010			K10-K30			
	IN2510			K10-K30			
	IN2005	P15-P30	M15-M35	K20-K40	S05-S20		
	IN2505	P15-P30	M15-M35		S05-S20		
	IN4040	P15-P30					
	IN2540	P15-P35					
	IN4015	P20-P30		K30-K50			
	IN2515	P20-P30		K30-K50			
	IN4030	P20-P40	M15-M30		S15-S25		
	IN2530	P20-P40	M15-M30	K20-K40	S15-S25		
	IN6535		M20-M35		S15-S30		
	IN6537	P30-P45	M30-M45	K30-K45			
	IN7035	P20-P40	M20-M35		S15-S30		
Perçage	IN4035	P25-P50	M20-M40		S20-S30		Dureté ↑ Tenacité ↓
	IN2035	P25-P50	M20-M40		S20-S30		
	IN2010			K10-K30			
	IN6505	P10-P25					
	IN6520	P10-P40					
Carbure Mono-bloc	IN2505	P20-P40	M20-M40		S05-S20		Dureté ↑ Tenacité ↓
	IN2005	P15-P30	M15-M35	K20-K40	S05-S20		
	IN2504	P05-P25				H05-H25	
	IN2006	P05-P20				H05-H20	
	IN2005	P15-P30	M15-M35	K20-K40	S05-S20		

ÉQUIPEMENT

peut être commandé en option



TORX	Item Nr.:
TX07x90-B	3096341
TX08x90-B	3096344
TX09x90-B	3096346
TX10x90-B	3096440
TX15x90-B	3096347
TX20x90-B	3096348
TX25x90-B	3701515
TXPLUS06x90-B	3096342
TXPLUS08x90-B	3096343
TXPLUS07x90-B	3098211



Aimant BIT titulaire 2K bleu	Item Nr.:
V1x105-BH	3096349





END MILLS
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EXTENDED FLUTE END MILLS
FRAISES HERISSON
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SHOULDER-TYPE FACE MILLS
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FACE MILLS
FRAISES À SURFACER
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SLOT MILLS
FRAISES DISQUES
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FORM MILLS
FRAISES DE FORME
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COPY & PLUNGING MILLS
FRAISES À COPIER & TREFLER
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HIGH SPEED CUTTER
FRAISES GRANDES AVANCES
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SOLID CARBIDE MILLING CUTTERS
FRAISE CARBURE MONOBLOC
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BORING TOOLS
OUTILS DE PERÇAGE
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ATTACHEMENTS
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END MILLS / FRAISES EN BOUT

	D	a	Description	Code / Série	Page
	30 - 40	0,5	MICROMILL Finish Mill 16F1B...X Fraise de Finition 16F1B...X	16F1B...X	22
	10 - 25	3,5	DIPOSDUO End Mill 1TJ1B...X Fraise en bout 1TJ1B...X	1TJ1B...X	23
	16 - 32	6	DIPOSDUO End Mill 1TJ1D...W Fraise en bout 1TJ1D...W	1TJ1D...W	24
	16 - 40	6	DIPOSDUO End Mill 1TJ1D...X Fraise en bout 1TJ1D...X	1TJ1D...X	26
	16 - 25	6	DIPOSDUO End Mill 1TJ1D... Fraise en bout 1TJ1D...	1TJ1D...	28
	20 - 32	8	DIPOSDUO End Mill 1TJ1F...W Fraise en bout 1TJ1F...W	1TJ1F...W	30
	20 - 40	8	DIPOSDUO End Mill 1TJ1F...X Fraise en bout 1TJ1F...X	1TJ1F...X	31
	25 - 32	10,5	DIPOSDUO End Mill 1TJ1G...W Fraise en bout 1TJ1G...W	1TJ1G...W	32
	25 - 40	10,5	DIPOSDUO End Mill 1TJ1G...X Fraise en bout 1TJ1G...X	1TJ1G...X	33
	10 - 25	3,5	HIPOSTRIO End Mill 1KJ1B...T Fraise en bout 1KJ1B...T	1KJ1B...T	34
	10 - 25	3,5	HIPOSTRIO End Mill 1KJ1B...W Fraise en bout 1KJ1B...W	1KJ1B...W	35
	10 - 25	3,5	HIPOSTRIO End Mill 1KJ1B...X Fraise en bout 1KJ1B...X	1KJ1B...X	36
	20 - 40	7	HIPOSTRIO End Mill 1KJ1D...W Fraise en bout 1KJ1D...W	1KJ1D...W	37
	20 - 40	7	HIPOSTRIO End Mill 1KJ1D...X Fraise en bout 1KJ1D...X	1KJ1D...X	38

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

END MILLS / FRAISES EN BOUT

	D	a	Description	Code / Série	Page
	32 - 40	11	HIPOSTRIO End Mill 1KJ1G...W Fraise en bout 1KJ1G...W	1KJ1G...W	39
	32 - 40	11	HIPOSTRIO End Mill 1KJ1G...X Fraise en bout 1KJ1G...X	1KJ1G...X	40
	10 - 12	4,6	MAXSPEED End Mill 1EJ5A...T Fraise en bout 1EJ5A...T	1EJ5A...T	41
	16 - 32	4,6	MAXSPEED End Mill 1EJ5A...W Fraise en bout 1EJ5A...W	1EJ5A...W	42
	10 - 32	4,6	MAXSPEED End Mill 1EJ5A...X Fraise en bout 1EJ5A...X	1EJ5A...X	43
	16 - 32	3,8	DIPOSTRIO End Mill 1WJ1D...W Fraise en bout 1WJ1D...W	1WJ1D...W	44
	16 - 40	3,8	DIPOSTRIO End Mill 1WJ1D...X Fraise en bout 1WJ1D...X	1WJ1D...X	45
	16 - 25	3,8	DIPOSTRIO End Mill 1WJ1D... Fraise en bout 1WJ1D...	1WJ1D...	46
	25 - 40	5,8	DIPOSTRIO End Mill 1WJ1F...W Fraise en bout 1WJ1F...W	1WJ1F...W	47
	25 - 40	5,8	DIPOSTRIO End Mill 1WJ1F...X Fraise en bout 1WJ1F...X	1WJ1F...X	48
	6 - 14	5	HIPOSSPEED End Mill 12J1A...T Fraise en bout 12J1A...T	12J1A...T	49
	10 - 20	5	HIPOSSPEED End Mill 12J1A...X Fraise en bout 12J1A...X	12J1A...X	50
	8 - 12	5	HIPOSSPEED End Mill 12J1A... Fraise en bout 12J1A...	12J1A...	51
	16 - 32	5	DIPOSSQUAD End Mill 1DJ1E...W Fraise en bout 1DJ1E...W	1DJ1E...W	52

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

END MILLS / FRAISES EN BOUT

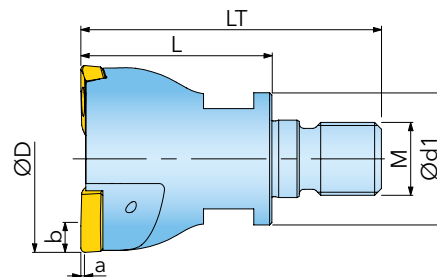
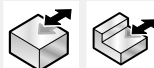
	D	a	Description	Code / Série	Page
	16 - 40	5	DIPOSQUAD End Mill 1DJ1E...X Fraise en bout 1DJ1E...X	1DJ1E...X	53
	25 - 40	7	DIPOSQUAD End Mill 1DJ1R...W Fraise en bout 1DJ1R...W	1DJ1R...W	54
	25 - 40	7	DIPOSQUAD End Mill 1DJ1R...X Fraise en bout 1DJ1R...X	1DJ1R...X	55
	10 - 25	5,7	HPPOS End Mill 12J1D...T Fraise en bout 12J1D...T	12J1D...T	56
	9,5 - 25	5,7	HPPOS End Mill 12J1D...W Fraise en bout 12J1D...W	12J1D...W	57
	10 - 35	5,7	HPPOS End Mill 12J1D...X Fraise en bout 12J1D...X	12J1D...X	58
	10 - 20	5,7	HPPOS End Mill 12J1D... Fraise en bout 12J1D...	12J1D...	59
	12 - 25	9	HPPOS End Mill 12J1P...W Fraise en bout 12J1P...W	12J1P...W	60
	12 - 35	9	HPPOS End Mill 12J1P...X Fraise en bout 12J1P...X	12J1P...X	62
	16 - 25	9	HPPOS End Mill 12J1P... Fraise en bout 12J1P...	12J1P...	64
	20 - 32	12	HPPOS End Mill 12J1R...W Fraise en bout 12J1R...W	12J1R...W	66
	20 - 40	12	HPPOS End Mill 12J1R...X Fraise en bout 12J1R...X	12J1R...X	68
	20 - 40	7,5	EVOTEC MAX End Mill 15J1Y...W Fraise en bout 15J1Y...W	15J1Y...W	70
	25 - 40	8,4	ALUMINATOR End Mill 15U1G...X Fraise en bout 15U1G...X	15U1G...X	71

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END MILLS / FRAISES EN BOUT

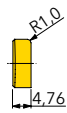
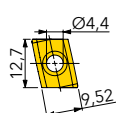
Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	d1	LT	L	a	b	M	Z	IK	kg
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16F1B035043X8R00	35	29	67	43	0,5	5,5	M16	2	✓	0,24
16F1B040043X8R00	40	29	67	43	0,5	5,5	M16	2	✓	0,28

YDA323L114



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN0560	IN2010	IN2040				
YDA323L114	fu 1/fu 5	short wiper finishing edge R1,0 / Plaquette avec Wiper court R1,0									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



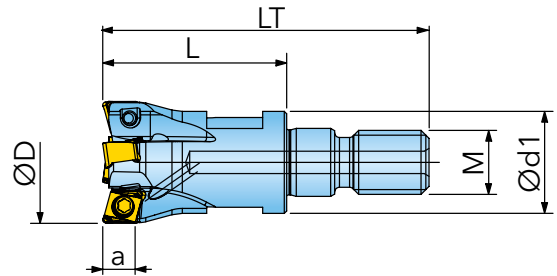
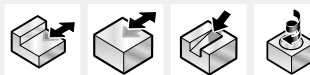
SM40-110-00 (4,5Nm)

TX15x90-B

SC050-01

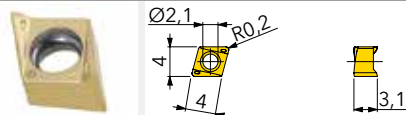
① = Insert screw / Vis de serrage ② = Torx-Bit / Embout torx ③ = Setting screw / Vis de réglage

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

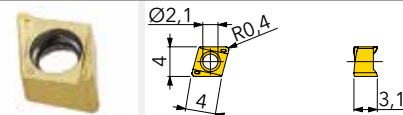


Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
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1TJ1B012017X4R00	12	11,8	31,5	17	3,5	M6	3	4,0	✓	0,01
1TJ1B016023X5R00	16	13	40,8	23	3,5	M8	4	4,6	✓	0,03
1TJ1B020023X6R00	20	18	42,8	23	3,5	M10	5	3,1	✓	0,05
1TJ1B025027X7R00	25	21	49,0	27	3,5	M12	7	2,4	✓	0,08

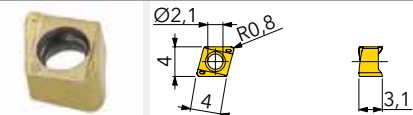
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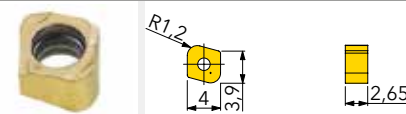
MNHU040204R-M



MNHU040208R-M



UNHU040212R-HF

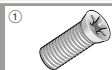


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2504	IN2505	IN2510	IN2530				
MNHU040202R-M	0,04/0,08	positive geometry R0,2 / Géométrie positive R0,2									
MNHU040204R-M	0,06/0,12	positive geometry R0,4 / Géométrie positive R0,4									
MNHU040208R-M	0,06/0,12	positive geometry R0,8 / Géométrie positive R0,8									
UNHU040212R-HF ¹⁾	0,10/0,60	positive high feed geometry / Géométrie grande avance positive									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

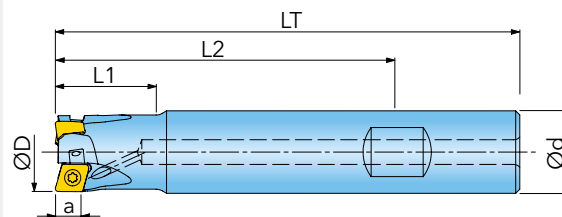


SM18-041-00 (0,5Nm) TXPLUS06x90-B

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

DIPOS^{DUO} END MILL 1TJ1D...W FRAISE EN BOUT 1TJ1D...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			
1TJ1D016025W3R00	16	16	90	25	66,5	6	2	3,5	✓	0,11
1TJ1D020025W4R00	20	20	90	25	66,5	6	3	4,2	✓	0,18
1TJ1D025030W5R00	25	25	100	30	68,5	6	4	4,9	✓	0,31
1TJ1D032035W6R00	32	32	110	35	74,5	6	5	3,5	✓	0,59

SPARE PARTS
 ACCESSOIRES



SM30-068-30 (1,1Nm) TX08x90-B

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

MNHU060304R	
MNHU060308R-PH	
MNHU060312R	
MNHU060312R-PH	
MNHU060316R	
MNHU060316R-PH	
MNHU060320R	
MNHU060320R-PH	
MNCU060304FR-P	
MNCU060308FR-P	
UNHU060320R-HF	

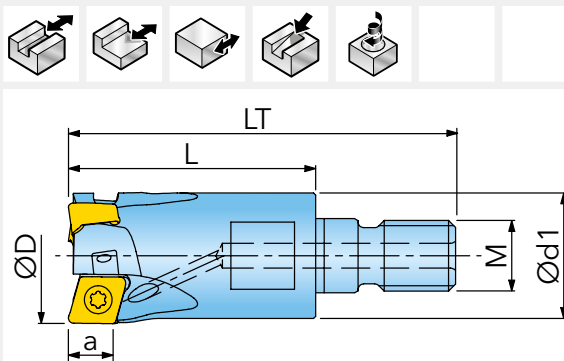
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530	IN6537
MNHU060304R	0,07/0,15	positive geometry R0,4 / Géométrie positive R0,4								
MNHU060304R-PH	0,05/0,10	high-positive geometry R0,4 / Géométrie très positive R0,4								
MNHU060308R	0,07/0,15	positive geometry R0,8 / Géométrie positive R0,8								
MNHU060308R-PH	0,05/0,10	high-positive geometry R0,8 / Géométrie très positive R0,8								
MNHU060312R	0,07/0,15	positive geometry R1,2 / Géométrie positive R1,2								
MNHU060312R-PH	0,05/0,10	high-positive geometry R1,2 / Géométrie très positive R1,2								
MNHU060316R¹⁾	0,07/0,15	positive geometry R1,6 / Géométrie positive R1,6								
MNHU060316R-PH¹⁾	0,05/0,10	high-positive geometry R1,6 / Géométrie très positive R1,6								
MNHU060320R¹⁾	0,07/0,15	positive geometry R2 / Géométrie positive R2								
MNHU060320R-PH²⁾	0,07/0,15	high positive geometry R2 / Géométrie très positive R2								
MNCU060304FR-P	0,05/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4								
MNCU060308FR-P	0,05/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8								
UNHU060320R-HF¹⁾	0,20/0,80	positive high feed geometry / Géométrie grande avance positive								

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H

DIPOSDUO END MILL 1TJ1D...X FRAISE EN BOUT 1TJ1D...X

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
1TJ1D016023X5R00	16	13	40,8	23	6	M8	2	3,5	✓	0,02
1TJ1D020035X6R00	20	18	54,8	35	6	M10	3	4,2	✓	0,06
1TJ1D025035X7R00	25	21	57	35	6	M12	4	4,9	✓	0,09
1TJ1D032043X8R00	32	29	67	43	6	M16	5	3,5	✓	0,21
1TJ1D040043X8R00	40	29	67	43	6	M16	6	2,6	✓	0,25

SPARE PARTS
ACCESSOIRES



SM30-068-30 (1,1Nm) TX08x90-B

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

MNHU060304R 	MNHU060304R-PH 	MNHU060308R
MNHU060308R-PH 	MNHU060312R 	MNHU060312R-PH
MNHU060316R 	MNHU060316R-PH 	MNHU060320R
MNHU060320R-PH 	MNCU060304FR-P 	MNCU060308FR-P
UNHU060320R-HF 		

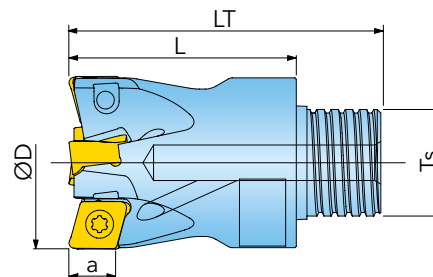
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530	IN6537	
MNHU060304R	0,07/0,15	positive geometry R0,4 / Géométrie positive R0,4									
MNHU060304R-PH	0,05/0,10	high-positive geometry R0,4 / Géométrie très positive R0,4									
MNHU060308R	0,07/0,15	positive geometry R0,8 / Géométrie positive R0,8									
MNHU060308R-PH	0,05/0,10	high-positive geometry R0,8 / Géométrie très positive R0,8									
MNHU060312R	0,07/0,15	positive geometry R1,2 / Géométrie positive R1,2									
MNHU060312R-PH	0,05/0,10	high-positive geometry R1,2 / Géométrie très positive R1,2									
MNHU060316R ¹⁾	0,07/0,15	positive geometry R1,6 / Géométrie positive R1,6									
MNHU060316R-PH ¹⁾	0,05/0,10	high-positive geometry R1,6 / Géométrie très positive R1,6									
MNHU060320R ¹⁾	0,07/0,15	positive geometry R2 / Géométrie positive R2									
MNHU060320R-PH ²⁾	0,07/0,15	high positive geometry R2 / Géométrie très positive R2									
MNCU060304FR-P	0,05/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
MNCU060308FR-P	0,05/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
UNHU060320R-HF ¹⁾	0,20/0,80	positive high feed geometry / Géométrie grande avance positive									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Cutter body has to be modified

● = P ● = M ● = K ● = N ● = S ○ = H

DIPOSDUO END MILL 1TJ1D... FRAISE EN BOUT 1TJ1D...

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



Designation Réf. de l'article	D	LT	L	a	Ts	Z			
1TJ1D016026TRR00	16	37,9	26	6	T10	2	3,5	✓	0,03
1TJ1D020026TSR00	20	40	26	6	T12	3	4,2	✓	0,05
1TJ1D025032TUR00	25	49,1	32	6	T15	4	4,9	✓	0,09

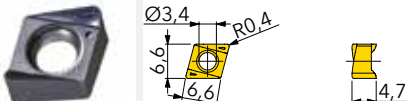
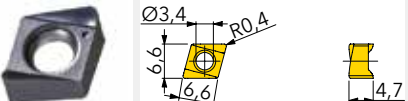
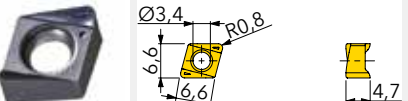
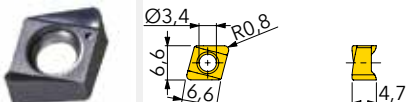
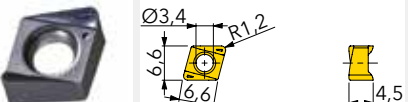
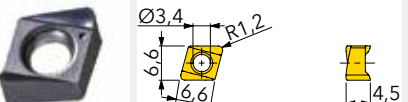
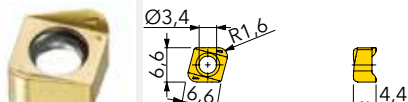
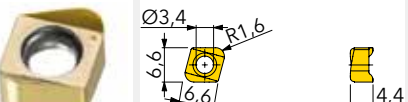
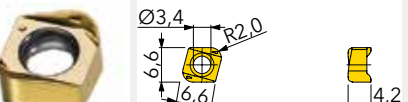
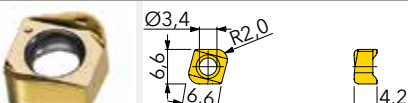
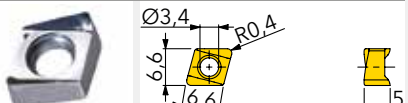
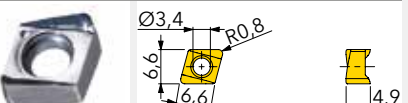
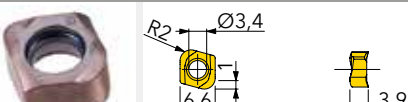
SPARE PARTS ACCESSOIRES



Diameter Range / Diamètres

16	SM30-068-30 (1,1Nm)	TX08x90-B	WS-0044 (28,0Nm)
20	SM30-068-30 (1,1Nm)	TX08x90-B	WS-0059 (28,0Nm)
25	SM30-068-30 (1,1Nm)	TX08x90-B	WS-0061 (28,0Nm)

① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx ③ = Wrench / Clé de serrage

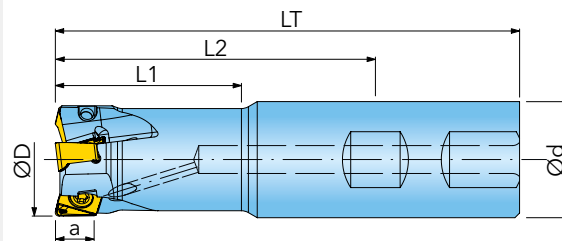
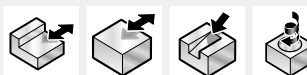
MNHU060304R 	MNHU060304R-PH 	MNHU060308R 
MNHU060308R-PH 	MNHU060312R 	MNHU060312R-PH 
MNHU060316R 	MNHU060316R-PH 	MNHU060320R 
MNHU060320R-PH 	MNCU060304FR-P 	MNCU060308FR-P 
UNHU060320R-HF 		

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530	IN6537	
MNHU060304R	0,07/0,15	positive geometry R0,4 / Géométrie positive R0,4									
MNHU060304R-PH	0,05/0,10	high-positive geometry R0,4 / Géométrie très positive R0,4									
MNHU060308R	0,07/0,15	positive geometry R0,8 / Géométrie positive R0,8									
MNHU060308R-PH	0,05/0,10	high-positive geometry R0,8 / Géométrie très positive R0,8									
MNHU060312R	0,07/0,15	positive geometry R1,2 / Géométrie positive R1,2									
MNHU060312R-PH	0,05/0,10	high-positive geometry R1,2 / Géométrie très positive R1,2									
MNHU060316R ¹⁾	0,07/0,15	positive geometry R1,6 / Géométrie positive R1,6									
MNHU060316R-PH ¹⁾	0,05/0,10	high-positive geometry R1,6 / Géométrie très positive R1,6									
MNHU060320R ¹⁾	0,07/0,15	positive geometry R2 / Géométrie positive R2									
MNHU060320R-PH ²⁾	0,07/0,15	high positive geometry R2 / Géométrie très positive R2									
MNCU060304FR-P	0,05/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
MNCU060308FR-P	0,05/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
UNHU060320R-HF ¹⁾	0,20/0,80	positive high feed geometry / Géométrie grande avance positive									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Cutter body has to be modified

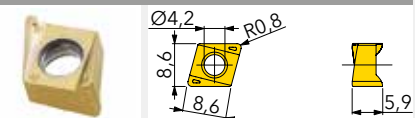
● = P ● = M ● = K ● = N ● = S ○ = H

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

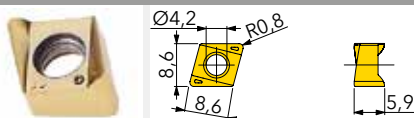


Designation Réf. de l'article	D	d	LT	L1	L2	a	Z		IK	kg
1TJ1F020030W4R00	20	20	100	30	75	8	2	3,5	✓	0,21
1TJ1F025040W5R00	25	25	100	40	68	8	3	4,7	✓	0,32
1TJ1F032040W5R00	32	25	100	40	68	8	4	4,9	✓	0,36

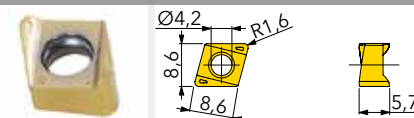
MNHU090408R-M



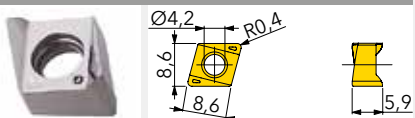
MNHU090408R-ML



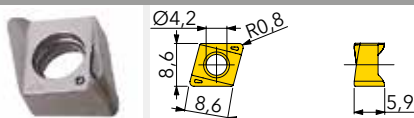
MNHU090416R-M



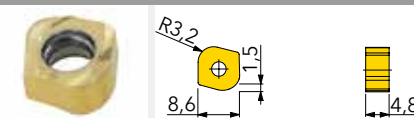
MNCU090404FR-AL



MNCU090408FR-AL



UNHU090432R-HF



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2504	IN2505	IN2510	IN2530	IN6537		
MNHU090408R-M	0,07/0,15	positive geometry R0,8 / Géométrie positive R0,8									
MNHU090408R-ML	0,07/0,15	high-positive geometry R0,8 / Géométrie très positive R0,8									
MNHU090416R-M	0,07/0,15	positive geometry R1,6 / Géométrie positive R1,6									
MNCU090404FR-AL	0,05/0,35	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
MNCU090408FR-AL	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
UNHU090432R-HF ¹⁾	0,20/1,00	positive high feed geometry / Géométrie grande avance positive									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

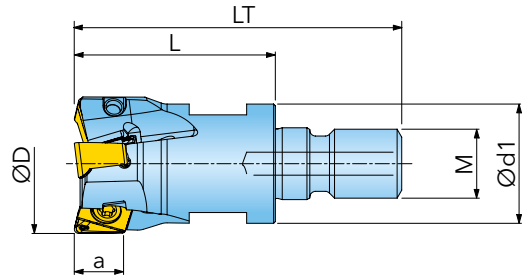
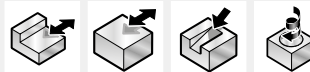
SPARE PARTS
ACCESSOIRES



SM35-088-10 (3,0Nm) TX10x90-B

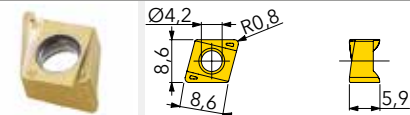
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

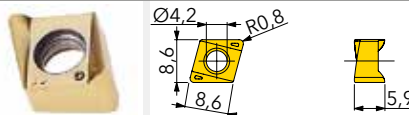


Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
1TJ1F020035X6R00	20	18	54,8	35	8	M10	2	3,5	✓	0,07
1TJ1F025035X7R00	25	21	57	35	8	M12	3	4,7	✓	0,10
1TJ1F032043X8R00	32	29	67	43	8	M16	4	4,9	✓	0,22
1TJ1F040043X8R00	40	29	67	43	8	M16	5	3,7	✓	0,26

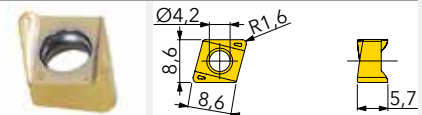
MNHU090408R-M



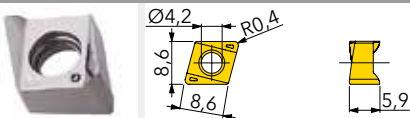
MNHU090408R-ML



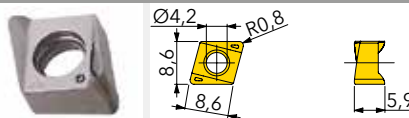
MNHU090416R-M



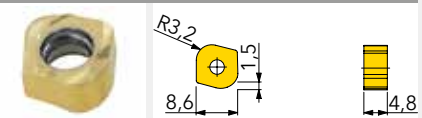
MNCU090404FR-AL



MNCU090408FR-AL



UNHU090432R-HF



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2504	IN2505	IN2510	IN2530	IN6537		
MNHU090408R-M	0,07/0,15	positive geometry R0,8 / Géométrie positive R0,8									
MNHU090408R-ML	0,07/0,15	high-positive geometry R0,8 / Géométrie très positive R0,8									
MNHU090416R-M	0,07/0,15	positive geometry R1,6 / Géométrie positive R1,6									
MNCU090404FR-AL	0,05/0,35	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4	●								
MNCU090408FR-AL	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8	●								
UNHU090432R-HF ¹⁾	0,20/1,00	positive high feed geometry / Géométrie grande avance positive									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



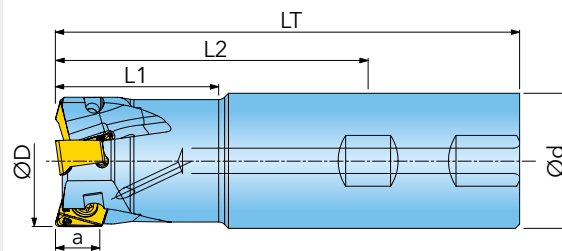
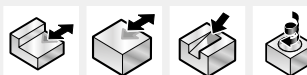
SM35-088-10 (3,0Nm)

TX10x90-B

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

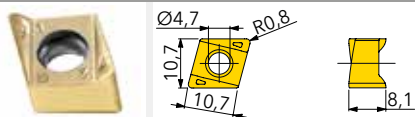
DIPOS^{DUO} END MILL 1TJ1G...W FRAISE EN BOUT 1TJ1G...W

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

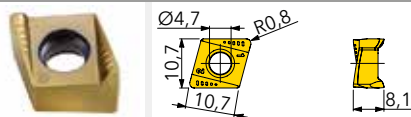


Designation Réf. de l'article	D	d	LT	L1	L2	a	Z		IK	kg
1TJ1G025030W5R00	25	25	100	40	68	10,5	2	5,0	✓	0,32
1TJ1G032040W6R00	32	32	110	38	64	10,5	3	5,3	✓	0,60

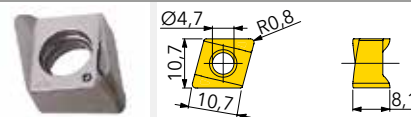
MNHU110608R-M



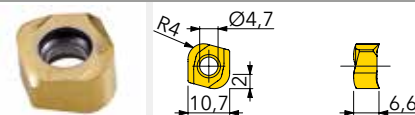
MNHU110608PNR-M



MNCU110608FR-AL



UNHU110640R-HF



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6537			
MNHU110608R-M	0,09/0,18	positive Geometry R0,8 / Géométrie positive R0,8									
MNHU110608PNR-M	0,09/0,18	positive wiper insert R0,8 / Géométrie wiper positive R0,8									
MNCU110608FR-AL	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
UNHU110640R-HF ¹⁾	0,30/1,20	positive high feed geometry / Géométrie grande avance positive									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

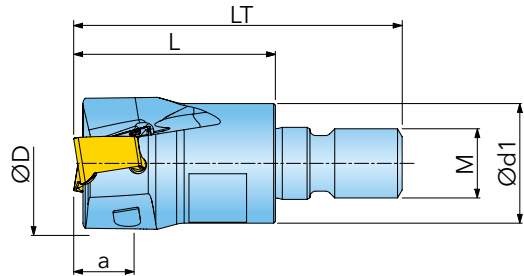
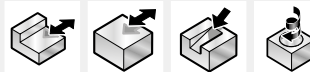
SPARE PARTS ACCESSOIRES



SM40-100-10 (4,5Nm) TX15x90-B

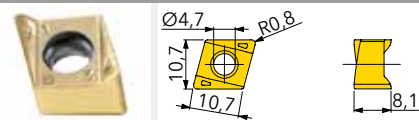
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

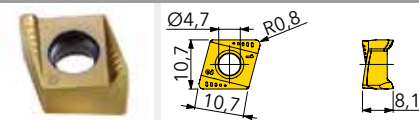


Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
1TJ1G025035X7R00	25	21	57	35	10,5	M12	2	5,0	✓	0,10
1TJ1G032043X8R00	32	29	67	43	10,5	M16	3	5,3	✓	0,22
1TJ1G040043X8R00	40	29	67	43	10,5	M16	4	5,0	✓	0,26

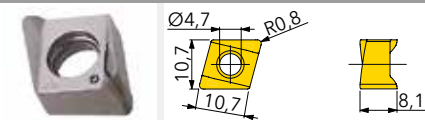
MNHU110608R-M



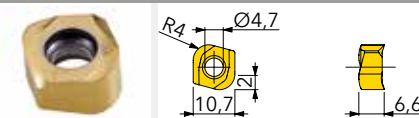
MNHU110608PNR-M



MNCU110608FR-AL



UNHU110640R-HF

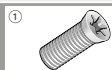


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6537			
MNHU110608R-M	0,09/0,18	positive Geometry R0,8 / Géométrie positive R0,8									
MNHU110608PNR-M	0,09/0,18	positive wiper insert R0,8 / Géométrie wiper positive R0,8									
MNCU110608FR-AL	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
UNHU110640R-HF ¹⁾	0,30/1,20	positive high feed geometry / Géométrie grande avance positive									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



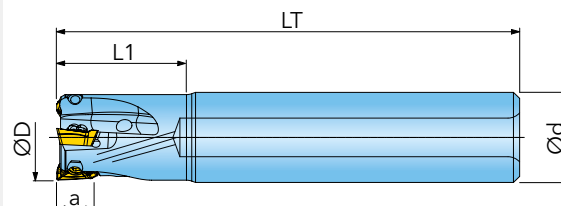
SM40-100-10 (4,5Nm)

TX15x90-B

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

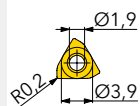
HIPOSTRIO END MILL 1KJ1B...T FRAISE EN BOUT 1KJ1B...T

ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT DIN 1835 A

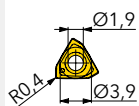


Designation Réf. de l'article	D	d	LT	L1	a	Z			
1KJ1B010016T1R00	10	10	55	16	3,5	2	5,5	✓	0,03
1KJ1B012017T2R00	12	12	60	17	3,5	3	2,5	✓	0,04
1KJ1B016019T3R00	16	16	90	19	3,5	4	1,7	✓	0,12
1KJ1B020017T4R00	20	20	105	17	3,5	5	1,3	✓	0,23
1KJ1B025065T4R00	25	20	115	65	3,5	6	0,7	✓	0,25

THLS040202R-M



THLS040204R-M



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2530						
THLS040202R-M	0,04/0,08	positive geometry R0,2 / Géométrie positive R0,2									
THLS040204R-M	0,04/0,08	positive geometry R0,4 / Géométrie positive R0,4									

● = P ● = M ● = K ● = N ● = S ○ = H

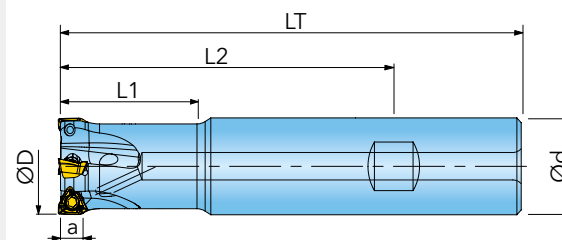
SPARE PARTS ACCESSOIRES



SM18-041-00 (0,5Nm) TXPLUS06x90-B

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

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



Designation Réf. de l'article	D	d	LT	L1	L2	a	Z		IK	kg
1KJ1B010018W3R00	10	16	80	18	56	3,5	2	5,5	✓	0,10
1KJ1B012020W3R00	12	16	80	20	56	3,5	3	2,5	✓	0,10
1KJ1B016026W3R00	16	16	85	26	61	3,5	4	1,7	✓	0,11
1KJ1B020030W4R00	20	20	90	30	65	3,5	5	1,3	✓	0,19
1KJ1B025040W5R00	25	25	100	40	68	3,5	6	0,7	✓	0,33

THLS040202R-M			THLS040204R-M							
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2530					
THLS040202R-M	0,04/0,08	positive geometry R0,2 / Géométrie positive R0,2								
THLS040204R-M	0,04/0,08	positive geometry R0,4 / Géométrie positive R0,4								

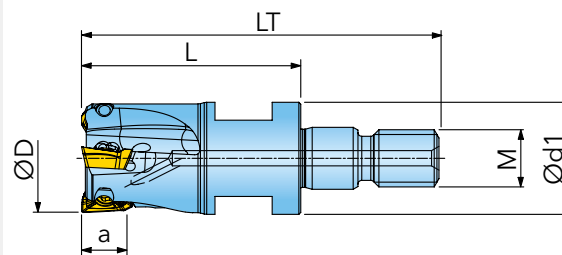
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②
	SM18-041-00 (0,5Nm)	TXPLUS06x90-B

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

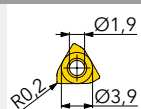
HIPOSTRIO END MILL 1KJ1B...X FRAISE EN BOUT 1KJ1B...X

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

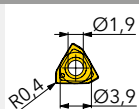


Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
1KJ1B010017X4R00	10	9,8	31,5	17	3,5	M6	2	5,5	✓	0,01
1KJ1B012023X4R01	12	11,8	37,5	23	3,5	M6	2	2,5	✓	0,02
1KJ1B012023X4R00	12	11,8	37,5	23	3,5	M6	3	2,5	✓	0,02
1KJ1B016023X5R00	16	13	40,8	23	3,5	M8	4	1,7	✓	0,03
1KJ1B020030X6R00	20	18	49,8	30	3,5	M10	5	1,3	✓	0,06
1KJ1B025035X7R00	25	21	57	35	3,5	M12	6	0,7	✓	0,10

THLS040202R-M



THLS040204R-M



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2530						
THLS040202R-M	0,04/0,08	positive geometry R0,2 / Géométrie positive R0,2									
THLS040204R-M	0,04/0,08	positive geometry R0,4 / Géométrie positive R0,4									

● = P ● = M ● = K ● = N ● = S ○ = H

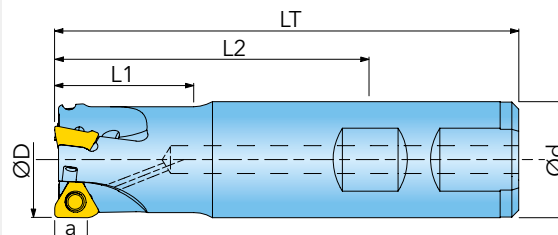
SPARE PARTS
ACCESSOIRES



SM18-041-00 (0,5Nm) TXPLUS06x90-B

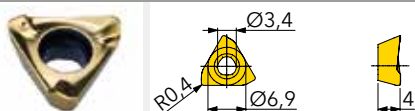
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

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

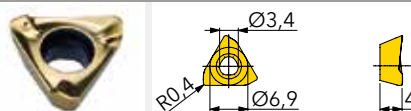


Designation Réf. de l'article	D	d	LT	L1	L2	a	Z		IK	kg
1KJ1D020025W4R00	20	20	90	25	65	7	2	3,3	✓	0,17
1KJ1D020075W4R00	20	20	125	75	100	7	2	3,3	✓	0,24
1KJ1D025030W5R00	25	25	100	30	68	7	3	2,8	✓	0,31
1KJ1D025085W5R00	25	25	145	85	113	7	3	2,8	✓	0,43
1KJ1D032040W6R00	32	32	110	40	74	7	5	1,8	✓	0,59
1KJ1D040040W6R00	40	32	115	40	75	7	6	1,3	✓	0,69

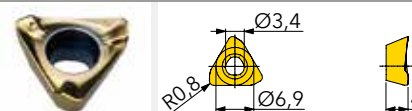
THLS060404R



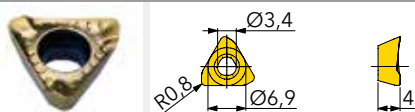
THLS060404R-HR



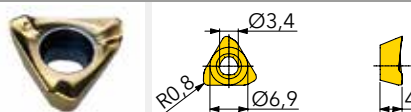
THLS060408R



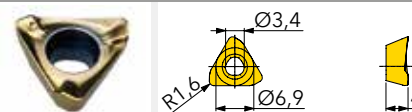
THLS060408R-HR



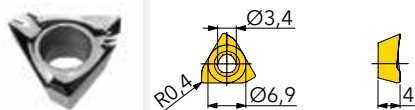
THES060408R



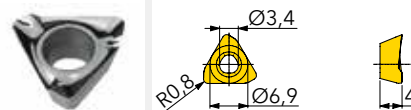
THLS060416R



THES060404FR-P



THES060408FR-P



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530		
THLS060404R	0,08/0,12	positive geometry R0,4 / Géométrie positive R0,4									
THLS060404R-HR	0,08/0,12	high positive geometry R0,4 / Géométrie très positive R0,4									
THLS060408R	0,08/0,12	positive geometry R0,8 / Géométrie positive R0,8									
THLS060408R-HR	0,08/0,12	high positive geometry R0,8 / Géométrie très positive R0,8									
THES060408R	0,08/0,12	positive geometry, ground R0,8 / Géométrie positive affûtée R0,8									
THLS060416R	0,08/0,12	positive geometry R1,6 / Géométrie positive R1,6									
THES060404FR-P	0,05/0,30	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
THES060408FR-P	0,05/0,30	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

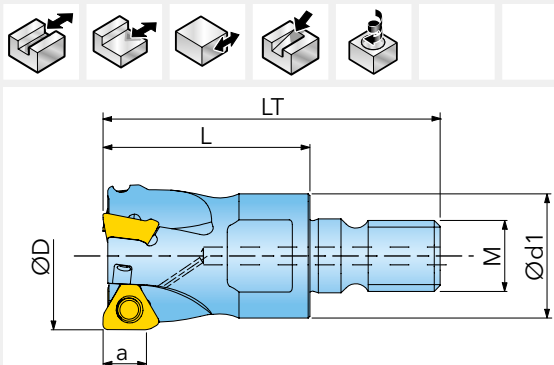


SM25-065-R0 (1,1Nm) TX08x90-B

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

HIPOSTRIO END MILL 1KJ1D...X FRAISE EN BOUT 1KJ1D...X

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
1KJ1D020035X6R00	20	18	54,8	35	7	M10	2	3,3	✓	0,06
1KJ1D025035X7R00	25	21	57	35	7	M12	3	2,8	✓	0,09
1KJ1D032043X8R00	32	29	67	43	7	M16	5	1,8	✓	0,22
1KJ1D035043X8R00	35	29	67	43	7	M16	5	1,6	✓	0,22
1KJ1D040043X8R00	40	29	67	43	7	M16	6	1,3	✓	0,28

THLS060404R			THLS060404R-HR			THLS060408R		
THLS060408R-HR			THES060408R			THLS060416R		
THES060404FR-P			THES060408FR-P					

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530		
THLS060404R	0,08/0,12	positive geometry R0,4 / Géométrie positive R0,4									
THLS060404R-HR	0,08/0,12	high positive geometry R0,4 / Géométrie très positive R0,4									
THLS060408R	0,08/0,12	positive geometry R0,8 / Géométrie positive R0,8									
THLS060408R-HR	0,08/0,12	high positive geometry R0,8 / Géométrie très positive R0,8									
THES060408R	0,08/0,12	positive geometry, ground R0,8 / Géométrie positive affûtée R0,8									
THLS060416R	0,08/0,12	positive geometry R1,6 / Géométrie positive R1,6									
THES060404FR-P	0,05/0,30	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4	●								
THES060408FR-P	0,05/0,30	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8	●								

● = P ● = M ● = K ● = N ● = S ○ = H

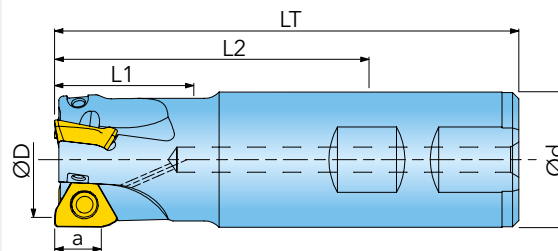
SPARE PARTS
ACCESSOIRES



SM25-065-R0 (1,1Nm) TX08x90-B

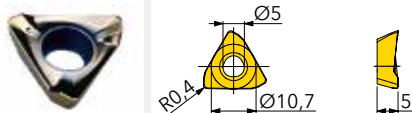
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

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

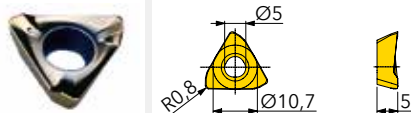


Designation Réf. de l'article	D	d	LT	L1	L2	a	Z		IK	kg
1KJ1G032040W6R00	32	32	110	40	74	11	3	3,0	✓	0,55
1KJ1G040040W6R00	40	32	110	40	74	11	4	2,0	✓	0,63

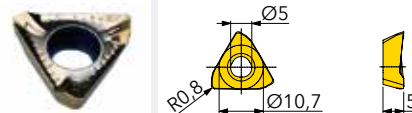
THES100504R



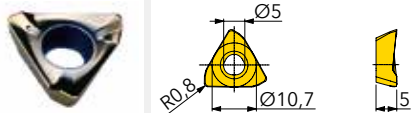
THLS100508R



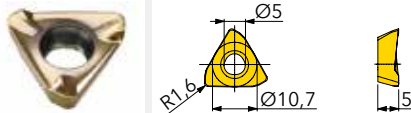
THLS100508R-HR



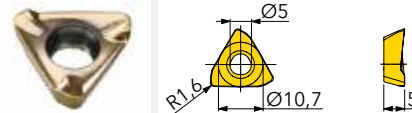
THES100508R



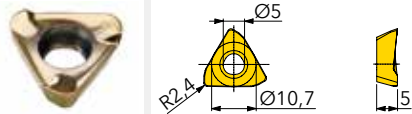
THLS100516R



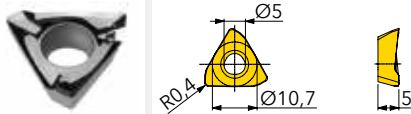
THES100516R



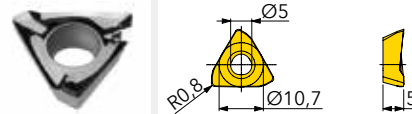
THLS100524R



THES100504FR-P



THES100508FR-P



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530	
THES100504R	0,10/0,20	positive geometry, ground R0,4 / Géométrie positive affûtée R0,4								
THLS100508R	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8								
THLS100508R-HR	0,08/0,20	high positive geometry R0,8 / Géométrie très positive R0,8								
THES100508R	0,10/0,20	positive geometry, ground R0,8 / Géométrie positive affûtée R0,8								
THLS100516R	0,10/0,20	positive geometry R1,6 / Géométrie positive R1,6								
THES100516R	0,10/0,20	positive geometry, ground R1,6 / Géométrie positive affûtée R1,6								
THLS100524R	0,10/0,20	positive geometry R2,4 / Géométrie positive R2,4								
THES100504FR-P	0,05/0,35	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4								
THES100508FR-P	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8								

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

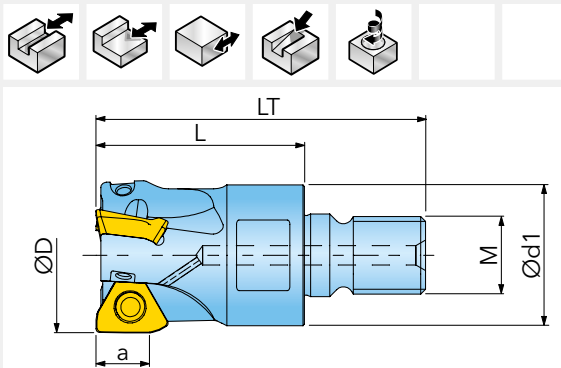


SM40-100-R0 (4,5Nm) TX15x90-B

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

HIPOSTRIO END MILL 1KJ1G...X FRAISE EN BOUT 1KJ1G...X

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
1KJ1G032043X8R00	32	29	67	43	11	M16	3	3,2	✓	0,18
1KJ1G035043X8R00	35	29	67	43	11	M16	3	2,4	✓	0,19
1KJ1G040043X8R00	40	29	67	43	11	M16	4	2,0	✓	0,22

THES100504R 	THLS100508R 	THLS100508R-HR
THES100508R 	THLS100516R 	THES100516R
THLS100524R 	THES100504FR-P 	THES100508FR-P

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530		
THES100504R	0,10/0,20	positive geometry, ground R0,4 / Géométrie positive affûtée R0,4									
THLS100508R	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8									
THLS100508R-HR	0,08/0,20	high positive geometry R0,8 / Géométrie très positive R0,8									
THES100508R	0,10/0,20	positive geometry, ground R0,8 / Géométrie positive affûtée R0,8									
THLS100516R	0,10/0,20	positive geometry R1,6 / Géométrie positive R1,6									
THES100516R	0,10/0,20	positive geometry, ground R1,6 / Géométrie positive affûtée R1,6									
THLS100524R	0,10/0,20	positive geometry R2,4 / Géométrie positive R2,4									
THES100504FR-P	0,05/0,35	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
THES100508FR-P	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

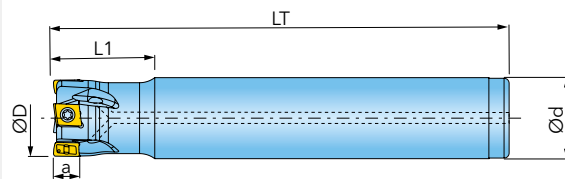
SPARE PARTS
ACCESSOIRES



SM40-100-R0 (4,5Nm) TX15x90-B

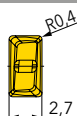
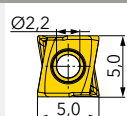
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT DIN 1835 A

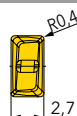
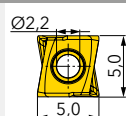


Designation Réf. de l'article	D	d	LT	L	a	Z			
1EJ5A010015T1R00	10	10	80	15	4,6	2	1,8	✓	0,097
1EJ5A012015T2R00	12	12	80	15	4,6	2	1,5	✓	0,115
1EJ5A012015T2R01	12	12	80	15	4,6	3	1,5	✓	0,135

CGX101R001-M



CGM101R001-ML



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2530						
CGX101R001-M	0,04/0,08	positive geometry R0,4, pressed to size / Géométrie positive R0,4, brut de frittage									
CGM101R001-ML	0,04/0,08	positive geometry R0,4, ground / Géométrie positive R0,4, affûtée									

● = P ● = M ● = K ● = N ● = S ○ = H

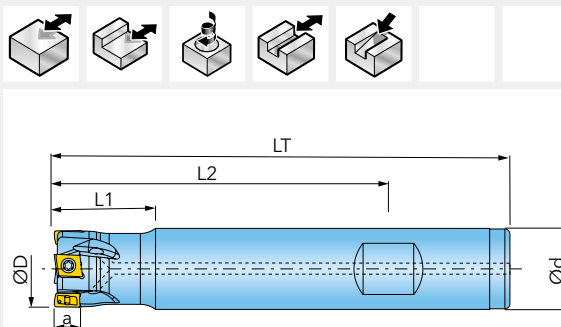
SPARE PARTS
ACCESSOIRES



SM18-041-00 (0,5Nm) TXPLUS06x90-B

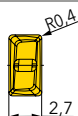
① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx

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

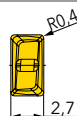
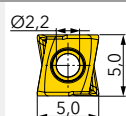


Designation Réf. de l'article	D	d	LT	L	a	Z			
1EJ5A016020W3R00	16	16	90	20	4,6	3	1,0	✓	0,195
1EJ5A016020W3R01	16	16	90	20	4,6	4	1,0	✓	0,195
1EJ5A020025W4R00	20	20	100	25	4,6	4	0,8	✓	0,285
1EJ5A020025W4R01	20	20	100	25	4,6	5	0,8	✓	0,270
1EJ5A025030W5R00	25	25	110	30	4,6	6	0,6	✓	0,420
1EJ5A032020W5R00	32	25	110	20	4,6	8	0,4	✓	0,485

CGX101R001-M



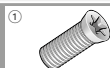
CGM101R001-ML



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2530						
CGX101R001-M	0,04/0,08	positive geometry R0,4, pressed to size / Géométrie positive R0,4, brut de frittage									
CGM101R001-ML	0,04/0,08	positive geometry R0,4, ground / Géométrie positive R0,4, affûtée									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

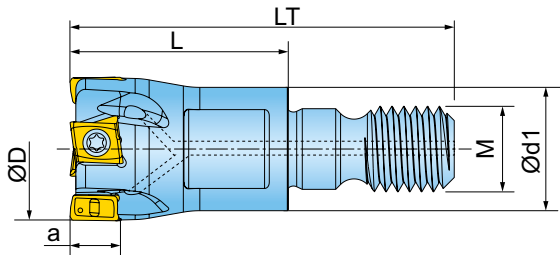


SM18-041-00 (0,5Nm) TXPLUS06x90-B

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

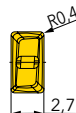
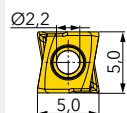
MAXSPEED END MILL 1EJ5A...X FRAISE EN BOUT 1EJ5A...X

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

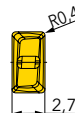
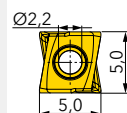


Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
1EJ5A010017X4R00	10	9,7	31,5	17	4,6	M06	2	1,8	✓	0,085
1EJ5A012017X4R00	12	11	31,5	17	4,6	M06	3	1,5	✓	0,065
1EJ5A016023X5R00	16	13	40,5	23	4,6	M08	4	1,0	✓	0,100
1EJ5A020023X6R00	20	18	43,0	23	4,6	M10	5	0,8	✓	0,105
1EJ5A025027X7R00	25	21	49,0	27	4,6	M12	6	0,6	✓	0,140
1EJ5A032027X8R00	32	29	52,0	27	4,6	M16	8	0,4	✓	0,215

CGX101R001-M



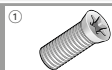
CGM101R001-ML



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2530						
CGX101R001-M	0,04/0,08	positive geometry R0,4, pressed to size / Géométrie positive R0,4, brut de frittage									
CGM101R001-ML	0,04/0,08	positive geometry R0,4, ground / Géométrie positive R0,4, affûtée									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

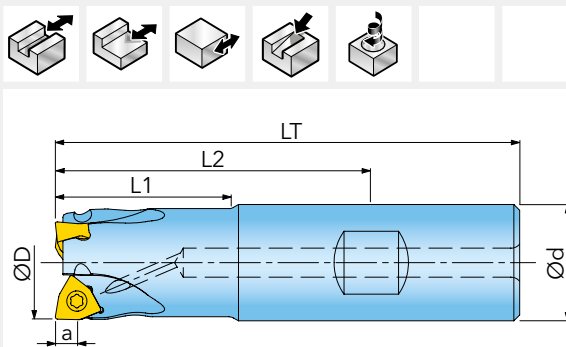


SM18-041-00 (0,5Nm) TXPLUS06x90-B

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

DIPOSTRIO END MILL 1WJ1D...W FRAISE EN BOUT 1WJ1D...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		IK	kg
1WJ1D016026W3R00	16	16	85	26	61	3,8	2	3,0	✓	0,11
1WJ1D020030W4R00	20	20	90	30	65	3,8	3	2,4	✓	0,18
1WJ1D025040W5R00	25	25	100	40	68	3,8	5	1,9	✓	0,33
1WJ1D032040W5R00	32	25	100	40	68	3,8	6	1,5	✓	0,35

WNCU04T302N 	WNCU04T304N 	WNCU04T302FN-P
WNCU04T304FN-P 	WNCU04T308FN-P 	

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2530	IN6537		
WNCU04T302N	0,07/0,18	positive geometry R0,2 / Géométrie positive R0,2									
WNCU04T304N	0,07/0,18	positive geometry R0,4 / Géométrie positive R0,4									
WNCU04T302FN-P	0,05/0,20	non-ferrous geometry R0,2 / Géo. pour mat. non fer. R0,2									
WNCU04T304FN-P	0,05/0,20	non-ferrous geometry R0,4 / Géo. pour mat. non fer. R0,4									
WNCU04T308FN-P	0,05/0,20	non-ferrous geometry R0,8 / Géo. pour mat. non fer. R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

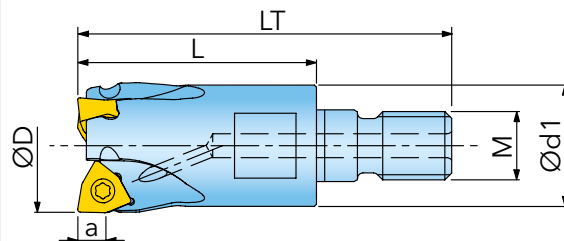
SPARE PARTS
ACCESSOIRES



SM25-064-00 (1,1Nm) TX08x90-B

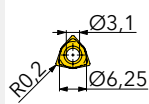
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

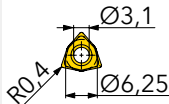


Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
1WJ1D016023X5R00	16	13	40,8	23	3,8	M8	2	3,0	✓	0,03
1WJ1D020035X6R00	20	18	54,8	35	3,8	M10	3	2,4	✓	0,07
1WJ1D025035X7R00	25	21	57	35	3,8	M12	5	1,9	✓	0,10
1WJ1D032043X8R00	32	29	67	43	3,8	M16	6	1,5	✓	0,22
1WJ1D035043X8R00	35	29	67	43	3,8	M16	6	1,7	✓	0,23
1WJ1D040043X8R00	40	29	67	43	3,8	M16	7	2,1	✓	0,25

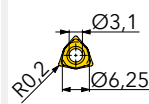
WNUMU04T302N



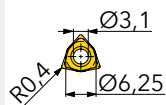
WNUMU04T304N



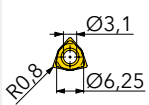
WNCU04T302FN-P



WNCU04T304FN-P



WNCU04T308FN-P



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2530	IN6537	
WNUMU04T302N	0,07/0,18	positive geometry R0,2 / Géométrie positive R0,2								
WNUMU04T304N	0,07/0,18	positive geometry R0,4 / Géométrie positive R0,4								
WNCU04T302FN-P	0,05/0,20	non-ferrous geometry R0,2 / Géo. pour mat. non fer. R0,2								
WNCU04T304FN-P	0,05/0,20	non-ferrous geometry R0,4 / Géo. pour mat. non fer. R0,4								
WNCU04T308FN-P	0,05/0,20	non-ferrous geometry R0,8 / Géo. pour mat. non fer. R0,8								

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

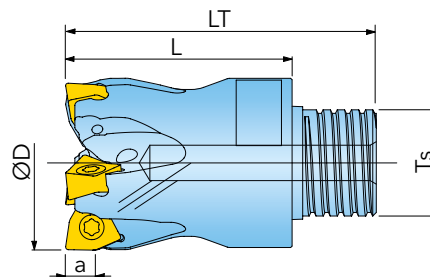


SM25-064-00 (1,1Nm) TX08x90-B

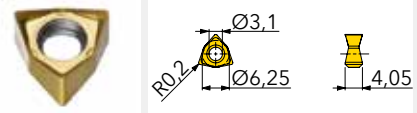
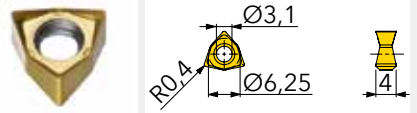
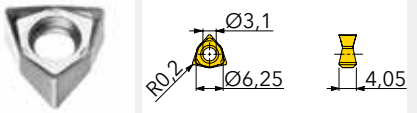
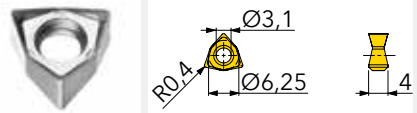
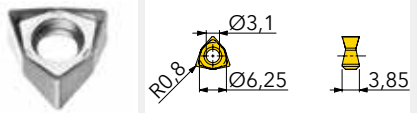
① = Insert screw / Vis de serrage plaquelette ② = Torx-Bit / Embout torx

DIPOSTRIO END MILL 1WJ1D... FRAISE EN BOUT 1WJ1D...

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



Designation Réf. de l'article	D	LT	L	a	Ts	Z			
1WJ1D016026TTR00	16	37,9	26	3,8	T10	2	3,0	✓	0,03
1WJ1D020026TSR00	20	40	26	3,8	T12	3	2,4	✓	0,05
1WJ1D025032TUR00	25	49,1	32	3,8	T15	5	1,9	✓	0,09

WNMU04T302N 	WNMU04T304N 	WNCU04T302FN-P 
WNCU04T304FN-P 	WNCU04T308FN-P 	

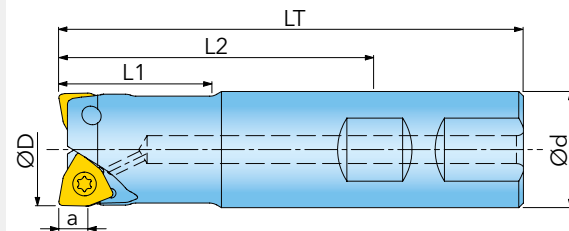
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2530	IN6537		
WNMU04T302N	0,07/0,18	positive geometry R0,2 / Géométrie positive R0,2									
WNMU04T304N	0,07/0,18	positive geometry R0,4 / Géométrie positive R0,4									
WNCU04T302FN-P	0,05/0,20	non-ferrous geometry R0,2 / Géo. pour mat. non fer. R0,2									
WNCU04T304FN-P	0,05/0,20	non-ferrous geometry R0,4 / Géo. pour mat. non fer. R0,4									
WNCU04T308FN-P	0,05/0,20	non-ferrous geometry R0,8 / Géo. pour mat. non fer. R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES			
Diameter Range / Diamètres			
16	SM25-064-00 (1,1Nm)	TX08x90-B	WS-0044 (28,0Nm)
20	SM25-064-00 (1,1Nm)	TX08x90-B	WS-0059 (28,0Nm)
25	SM25-064-00 (1,1Nm)	TX08x90-B	WS-0061 (28,0Nm)

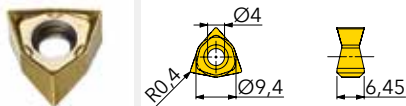
① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx ③ = Wrench / Clé de serrage

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

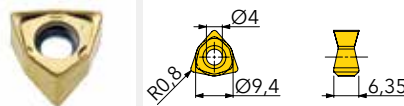


Designation Réf. de l'article	D	d	LT	L1	L2	a	Z		IK	kg
1WJ1F025030W5R00	25	25	100	30	68	5,8	2	2,9	✓	0,32
1WJ1F032040W6R00	32	32	110	40	74	5,8	3	2,2	✓	0,58
1WJ1F040040W6R00	40	32	115	40	79	5,8	4	1,8	✓	0,66

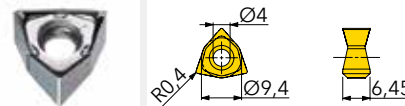
WNUM060604N



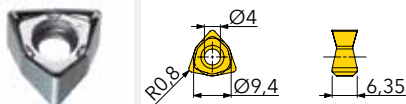
WNUM060608N



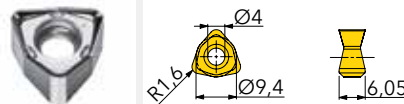
WNCU060604FN-P



WNCU060608FN-P



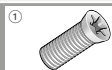
WNCU060616FN-P



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2530	IN6537
WNUM060604N	0,13/0,35	positive geometry R0,4 / Géométrie positive R0,4							
WNUM060608N	0,13/0,35	positive geometry R0,8 / Géométrie positive R0,8							
WNCU060604FN-P	0,05/0,35	non-ferrous geometry R0,4 / Géo. pour mat. non fer. R0,4							
WNCU060608FN-P	0,05/0,35	non-ferrous geometry R0,8 / Géo. pour mat. non fer. R0,8							
WNCU060616FN-P	0,05/0,35	non-ferrous geometry R1,6 / Géo. pour mat. non fer. R1,6							

● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS
ACCESSOIRES**

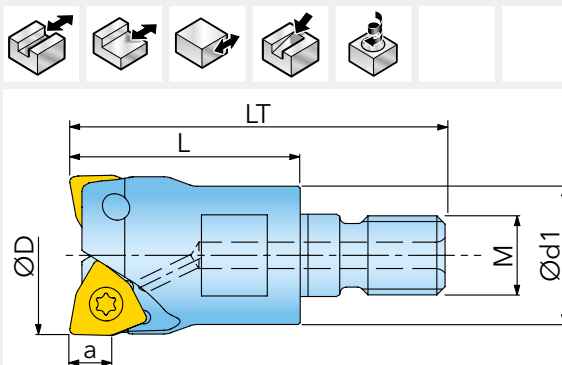


SM35-088-60 (3,0Nm) TX10x90-B

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

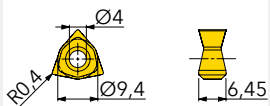
DIPOSTRIO END MILL 1WJ1F...X FRAISE EN BOUT 1WJ1F...X

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

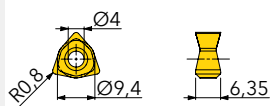


Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
1WJ1F025035X7R00	25	21	57	35	5,8	M12	2	2,9	✓	0,10
1WJ1F032043X8R00	32	29	67	43	5,8	M16	3	2,2	✓	0,21
1WJ1F040043X8R00	40	29	67	43	5,8	M16	4	1,8	✓	0,25

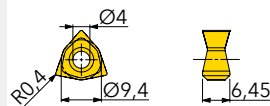
WNCU060604N



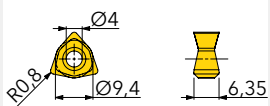
WNCU060608N



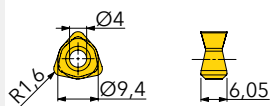
WNCU060604FN-P



WNCU060608FN-P



WNCU060616FN-P



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2530	IN6537		
WNCU060604N	0,13/0,35	positive geometry R0,4 / Géométrie positive R 0,4									
WNCU060608N	0,13/0,35	positive geometry R0,8 / Géométrie positive R0,8									
WNCU060604FN-P	0,05/0,35	non-ferrous geometry R0,4 / Géo. pour mat. non fer. R0,4									
WNCU060608FN-P	0,05/0,35	non-ferrous geometry R0,8 / Géo. pour mat. non fer. R0,8									
WNCU060616FN-P	0,05/0,35	non-ferrous geometry R1,6 / Géo. pour mat. non fer. R1,6									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



SM35-088-60 (3,0Nm) TX10x90-B

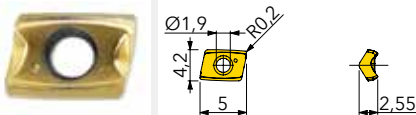
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT DIN 1835 A

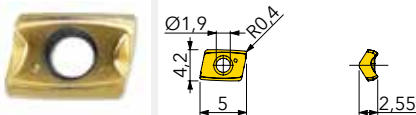


Designation Réf. de l'article	D	d	LT	L1	a	Z			
12J1A006012T7R00	6	6	60	12	5	1	2,5	✓	0,01
12J1A008012T0R00	8	8	80	12	5	2	1,9	✓	0,03
12J1A009012T0R00	9	8	80	12	5	2	1,7	✓	0,03
12J1A010015T1R00	10	10	80	15	5	3	1,5	✓	0,04
12J1A011012T1R00	11	10	80	12	5	3	1,2	✓	0,04
12J1A012015T2R00	12	12	80	15	5	4	1,1	✓	0,06
12J1A013012T2R00	13	12	80	12	5	4	1,0	✓	0,06
12J1A014012T2R00	14	12	80	12	5	4	1,0	✓	0,06

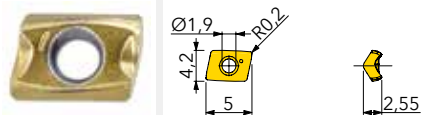
FNKT050202R-M



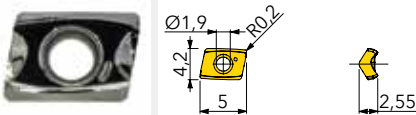
FNKT050204R-M



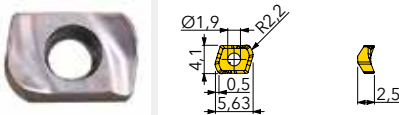
FNHT050202R-L



FNCT050202R-AL



UNKT0502TR-HF

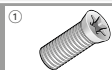


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2005	IN2504	IN2505	IN2530			
FNKT050202R-M	0,04/0,08	positive geometry R0,2 / Géométrie positive R0,2									
FNKT050204R-M	0,04/0,08	positive geometry R0,4 / Géométrie positive R0,4									
FNHT050202R-L	0,03/0,07	sharp geometry R0,2 / Arête vive R0,2									
FNCT050202R-AL	0,03/0,07	non-ferrous geometry, polished R0,2 / Géo. pour mat. non fer. R0,2									
UNKT0502TR-HF ¹⁾	0,20/0,40	positive high feed geometry / Géométrie grande avance									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

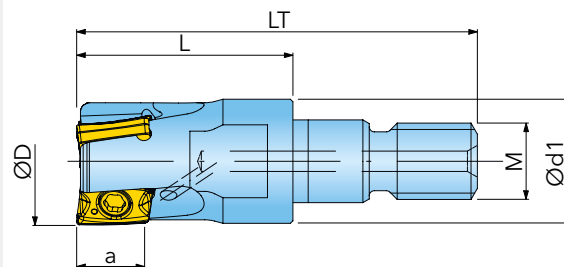
**SPARE PARTS
ACCESSOIRES**



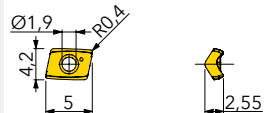
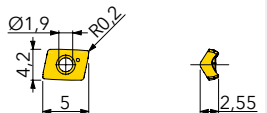
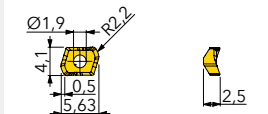
SM18-033-00 (0,5Nm) TXPLUS06x90-B

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

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
12J1A010017X4R00	10	9,8	31,5	17	5	M6	3	1,50	✓	0,01
12J1A012017X4R00	12	11,8	31,5	17	5	M6	4	1,10	✓	0,01
12J1A015023X5R00	15	12,8	40,8	23	5	M8	5	0,80	✓	0,01
12J1A016023X5R00	16	12,8	40,8	23	5	M8	5	0,75	✓	0,01
12J1A020030X6R00	20	17,8	49,8	30	5	M10	6	0,60	✓	0,01

FNKT050202R-M  	FNKT050204R-M  	FNHT050202R-L  
FNCT050202R-AL  	UNKT0502TR-HF  	

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2005	IN2504	IN2505	IN2530			
FNKT050202R-M	0,04/0,08	positive geometry R0,2 / Géométrie positive R0,2									
FNKT050204R-M	0,04/0,08	positive geometry R0,4 / Géométrie positive R0,4									
FNHT050202R-L	0,03/0,07	sharp geometry R0,2 / Arête vive R0,2									
FNCT050202R-AL	0,03/0,07	non-ferrous geometry, polished R0,2 / Géo. pour mat. non fer. R0,2									
UNKT0502TR-HF ¹⁾	0,20/0,40	positive high feed geometry / Géométrie grande avance									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

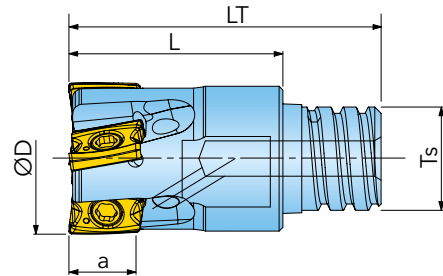
SPARE PARTS
ACCESSOIRES



SM18-033-00 (0,5Nm) TXPLUS06x90-B

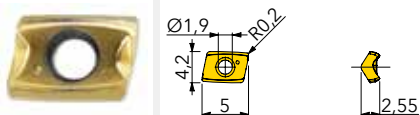
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES

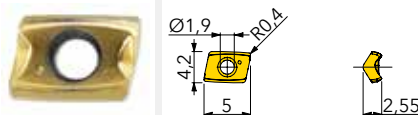


Designation Réf. de l'article	D	LT	L	a	Ts	Z			
12J1A008010TQR00	8	16,8	10	5	T5	2	1,9	✓	0,01
12J1A010016T6R00	10	22,8	16	5	T6	3	1,5	✓	0,01
12J1A012017T8R00	12	24,8	17	5	T8	4	1,1	✓	0,01

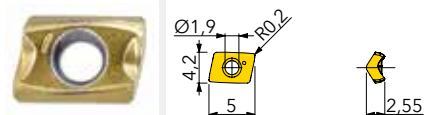
FNKT050202R-M



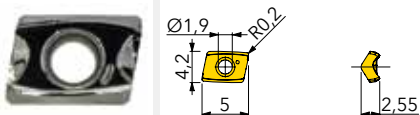
FNKT050204R-M



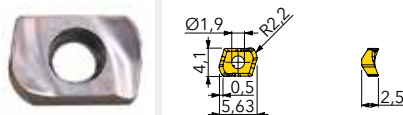
FNHT050202R-L



FNCT050202R-AL



UNKT0502TR-HF

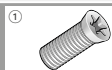


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2005	IN2504	IN2505	IN2530			
FNKT050202R-M	0,04/0,08	positive geometry R0,2 / Géométrie positive R0,2									
FNKT050204R-M	0,04/0,08	positive geometry R0,4 / Géométrie positive R0,4									
FNHT050202R-L	0,03/0,07	sharp geometry R0,2 / Arête vive R0,2									
FNCT050202R-AL	0,03/0,07	non-ferrous geometry, polished R0,2 / Géo. pour mat. non fer. R0,2									
UNKT0502TR-HF ¹⁾	0,20/0,40	positive high feed geometry / Géométrie grande avance									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS
ACCESSOIRES**

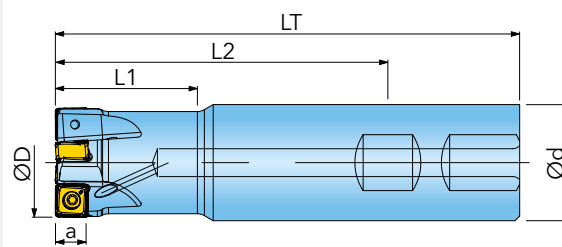


SM18-033-00 (0,5Nm) TXPLUS06x90-B

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

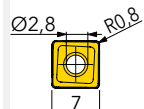
DIPOSQUAD END MILL 1DJ1E...W FRAISE EN BOUT 1DJ1E...W

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

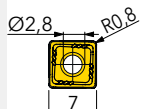


Designation Réf. de l'article	D	d	LT	L1	L2	a	Z	IK	kg
1DJ1E016020W3R00	16	16	90	20	66,5	5	2	✓	0,12
1DJ1E020025W4R00	20	20	90	25	66,5	5	3	✓	0,33
1DJ1E025030W5R00	25	25	100	30	68,5	5	4	✓	0,32
1DJ1E032035W6R00	32	32	110	35	74,5	5	6	✓	0,61

SQU070408TR-M



SQU070308R-ML



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2504	IN2505	IN2510	IN2530				
SQU070408TR-M	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SQU070308R-ML	0,10/0,20	high positive geometry R0,8 / Géométrie très positive R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

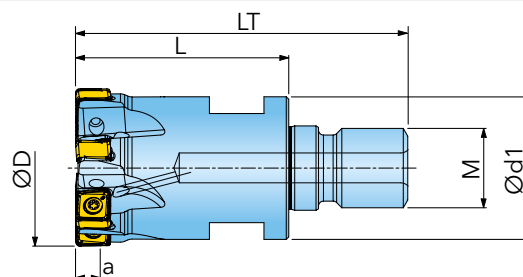
SPARE PARTS ACCESSOIRES



SM25-060-90 (1,1Nm) TXPLUS07x90-B

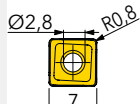
① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

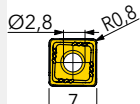


Designation Réf. de l'article	D	d1	LT	L	a	M	Z		
1DJ1E016023X5R00	16	13	40,8	23	5	M8	2	✓	0,03
1DJ1E020030X6R00	20	18	49,8	30	5	M10	3	✓	0,06
1DJ1E025035X7R00	25	21	57	35	5	M12	3	✓	0,10
1DJ1E032043X8R00	32	29	67	43	5	M16	4	✓	0,22
1DJ1E040043X8R00	40	29	67	43	5	M16	5	✓	0,27

SQGU070408TR-M



SQGU070308R-ML



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2504	IN2505	IN2510	IN2530				
SQGU070408TR-M	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SQGU070308R-ML	0,10/0,20	high positive geometry R0,8 / Géométrie très positive R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

①



②

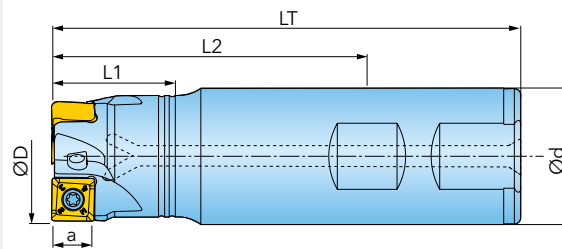
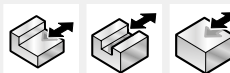


SM25-060-90 (1,1Nm) TXPLUS07x90-B

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

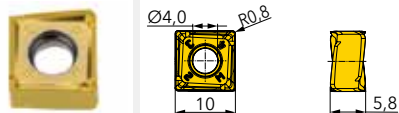
DIPOSQUAD END MILL 1DJ1R...W FRAISE EN BOUT 1DJ1R...W

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

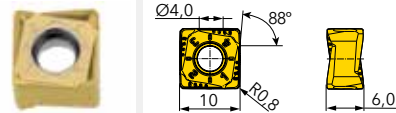


Designation Réf. de l'article	D	d	LT	L1	L2	a	Z	IK	kg
1DJ1R025030W5R00	25	25	100	30	68,5	7	2	✓	0,34
1DJ1R032035W6R00	32	32	110	35	74,5	7	3	✓	0,61
1DJ1R040040W6R00	40	32	110	40	74,5	7	4	✓	0,66

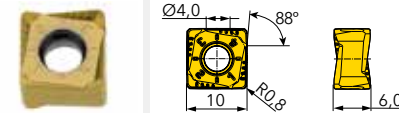
SQGU100408TR-M



SQGU100408PNR-MP



SQGU100408PNR-MMP



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2504	IN2505	IN2510	IN2530				
SQGU100408TR-M	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8 pour 90°									
SQGU100408PNR-MP	0,10/0,20	positive Geometry / Géométrie positive pour fontes									
SQGU100408PNR-MMP	0,10/0,20	positive Geometry / Géométrie très positive									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

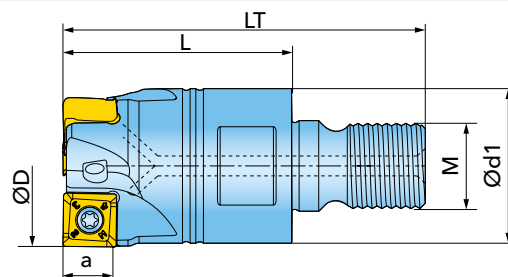


TS 35A088/HG

TX10x90-B

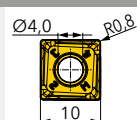
① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

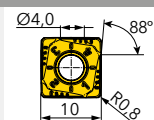


Designation Réf. de l'article	D	d1	LT	L	a	M	Z	IK	kg
1DJ1R025035X7R00	25	22	57	35	7	M12	2	✓	0,11
1DJ1R032043X8R00	32	29	68	43	7	M16	3	✓	0,23
1DJ1R040043X8R00	40	29	68	43	7	M16	4	✓	0,29

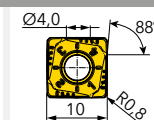
SQGU100408TR-M



SQGU100408PNR-MP



SQGU100408PNR-MMP



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2504	IN2505	IN2510	IN2530				
SQGU100408TR-M	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8 pour 90°									
SQGU100408PNR-MP	0,10/0,20	positive Geometry / Géométrie positive pour fontes									
SQGU100408PNR-MMP	0,10/0,20	positive Geometry / Géométrie très positive									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

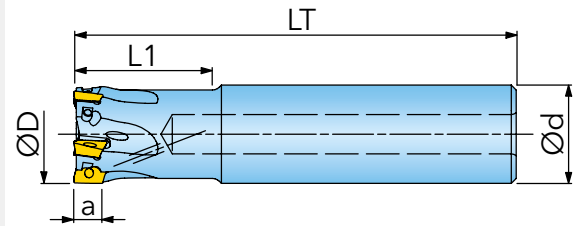


TS 35A088I/HG

TX10x90-B

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

ADAPTION ACC. TO DIN 1835 A
ATTACHEMENT DIN 1835 A



Designation Réf. de l'article	D	d	LT	L1	a	Z		IK	kg
12J1D010016T1R00	10	10	55	16	5,7	2	10,0	✓	0,03
12J1D012017T2R00	12	12	60	17	5,7	3	6,5	✓	0,04
12J1D016019T3R00	16	16	90	19	5,7	4	4,0	✓	0,11
12J1D020017T4R00	20	20	105	19	5,7	5	2,5	✓	0,21
12J1D025065T4R00	25	20	115	65	5,7	7	2,0	✓	0,24

Programming radius 1mm / Programmation - rayon 1mm

AOMT060202R	
AOMT060204R	
AOMT060208R	
AOMT060216R	
AOCT060204FR-P	
AOMT060202R-DT1	
UOMT0602TR	

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2035	IN2504	IN2505	IN2530	IN90D	
AOMT060202R	0,06/0,12	positive geometry R0,2 / Géométrie positive R0,2								
AOMT060204R	0,06/0,12	positive geometry R0,4 / Géométrie positive R0,4								
AOMT060208R	0,06/0,12	positive geometry R0,8 / Géométrie positive R0,8								
AOMT060216R¹⁾	0,06/0,12	positive geometry R1,6 / Géométrie positive R1,6								
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4								
AOMT060202R-DT1	0,05/0,12	with short PCD-tip R0,2 / avec insert PCD version courte R0,2								
UOMT0602TR	0,30/0,80	high feed geometry / Géométrie grande avance								

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

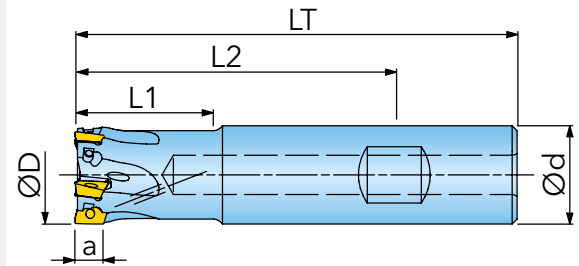
SPARE PARTS
ACCESSOIRES



SM18-041-00 (0,5Nm) TXPLUS06x90-B

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

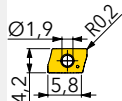
ADAPTION ACC. TO DIN 1835 B (WELDON)
ATTACHEMENT DIN 1835 B (WELDON)



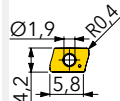
Designation Réf. de l'article	D	d	LT	L1	L2	a	Z			
12J1D010018W3R01	9,5	16	80	18	56	5,7	2	10,5	✓	0,09
12J1D010018W3R00	10	16	80	18	56	5,7	2	10,0	✓	0,09
12J1D012020W3R01	11,5	16	80	20	56	5,7	3	7,0	✓	0,09
12J1D012020W3R00	12	16	80	20	56	5,7	3	6,5	✓	0,09
12J1D014022W3R01	13,5	16	80	22	56	5,7	3	5,5	✓	0,09
12J1D014022W3R00	14	16	80	22	56	5,7	3	5,2	✓	0,09
12J1D016026W3R00	16	16	85	26	61	5,7	4	4,0	✓	0,10
12J1D020030W4R00	20	20	90	30	65	5,7	5	2,5	✓	0,17
12J1D025040W5R00	25	25	100	40	68	5,7	7	2,0	✓	0,31

Programming radius 1mm / Programmation - rayon 1mm

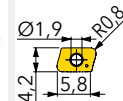
AOMT060202R



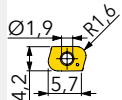
AOMT060204R



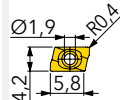
AOMT060208R



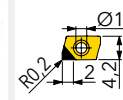
AOMT060216R



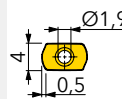
AOCT060204FR-P



AOMT060202R-DT1



UOMT0602TR



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2035	IN2504	IN2505	IN2530	IN90D		
AOMT060202R	0,06/0,12	positive geometry R0,2 / Géométrie positive R0,2									
AOMT060204R	0,06/0,12	positive geometry R0,4 / Géométrie positive R0,4									
AOMT060208R	0,06/0,12	positive geometry R0,8 / Géométrie positive R0,8									
AOMT060216R ¹⁾	0,06/0,12	positive geometry R1,6 / Géométrie positive R1,6									
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
AOMT060202R-DT1	0,05/0,12	with short PCD-tip R0,2 / avec insert PCD version courte R0,2									
UOMT0602TR	0,30/0,80	high feed geometry / Géométrie grande avance									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS
ACCESSOIRES**

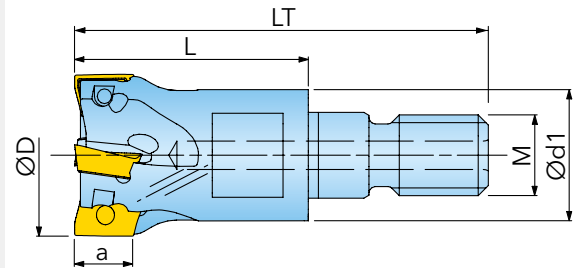


SM18-041-00 (0,5Nm)

TXPLUS06x90-B

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

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
12J1D010017X4R00	10	9,8	31,5	17	5,7	M6	2	10	✓	0,01
12J1D012023X4R00	12	11,8	37,5	23	5,7	M6	3	6,5	✓	0,02
12J1D015023X5R00	15	13	40,8	23	5,7	M8	4	4,4	✓	0,02
12J1D016023X5R00	16	13	40,8	23	5,7	M8	4	4,0	✓	0,03
12J1D020030X6R00	20	18	49,8	30	5,7	M10	5	2,5	✓	0,06
12J1D025035X7R00	25	21	57	35	5,7	M12	7	2,0	✓	0,10
12J1D030043X8R00	30	29	67	43	5,7	M16	8	1,7	✓	0,21
12J1D032043X8R00	32	29	67	43	5,7	M16	8	1,6	✓	0,22
12J1D035043X8R00	35	29	67	43	5,7	M16	9	1,4	✓	0,24

Programming radius 1mm / Programmation - rayon 1mm

AOMT060202R	
AOMT060204R	
AOMT060208R	
AOMT060216R	
AOCT060204FR-P	
AOMT060202R-DT1	
UOMT0602TR	

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2035	IN2504	IN2505	IN2530	IN90D		
AOMT060202R	0,06/0,12	positive geometry R0,2 / Géométrie positive R0,2									
AOMT060204R	0,06/0,12	positive geometry R0,4 / Géométrie positive R0,4									
AOMT060208R	0,06/0,12	positive geometry R0,8 / Géométrie positive R0,8									
AOMT060216R¹⁾	0,06/0,12	positive geometry R1,6 / Géométrie positive R1,6									
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
AOMT060202R-DT1	0,05/0,12	with short PCD-tip R0,2 / avec insert PCD version courte R0,2									
UOMT0602TR	0,30/0,80	high feed geometry / Géométrie grande avance									

¹⁾Cutter body has to be modified / Modifier le corps de fraise

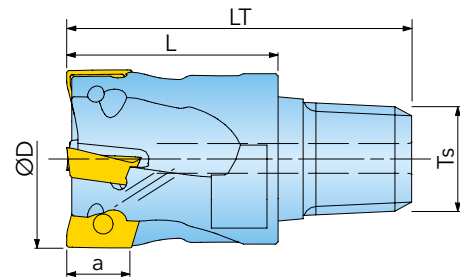
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES		
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SM18-041-00 (0,5Nm) TXPLUS06x90-B

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

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



Designation Réf. de l'article	D	LT	L	a	Ts	Z		IK	kg
12J1D010016T6R00	10	22,8	16	5,7	T6	2	10,0	✓	0,01
12J1D012017T8R00	12	24,8	17	5,7	T8	3	6,5	✓	0,01
12J1D016019TRR00	16	30,9	19	5,7	T10	4	4,0	✓	0,03
12J1D020022TSR00	20	36	22	5,7	T12	5	2,5	✓	0,05
Programming radius 1mm / Programmation - rayon 1mm									

AOMT060202R 	AOMT060204R 	AOMT060208R
AOMT060216R 	AOCT060204FR-P 	AOMT060202R-DT1
UOMT0602TR 		

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2035	IN2504	IN2505	IN2530	IN90D		
AOMT060202R	0,06/0,12	positive geometry R0,2 / Géométrie positive R0,2									
AOMT060204R	0,06/0,12	positive geometry R0,4 / Géométrie positive R0,4									
AOMT060208R	0,06/0,12	positive geometry R0,8 / Géométrie positive R0,8									
AOMT060216R ¹⁾	0,06/0,12	positive geometry R1,6 / Géométrie positive R1,6									
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
AOMT060202R-DT1	0,05/0,12	with short PCD-tip R0,2 / avec insert PCD version courte R0,2									
UOMT0602TR	0,30/0,80	high feed geometry / Géométrie grande avance									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

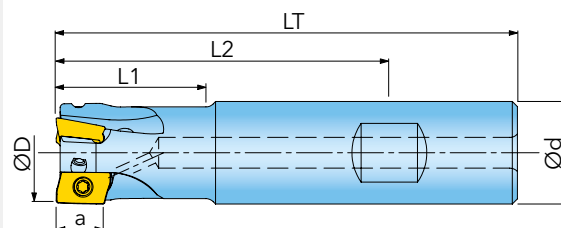
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②	③	
Diameter Range / Diamètres				
10	SM18-041-00 (0,5Nm)	TXPLUS06x90-B	WS-0029 (10,0Nm)	
12	SM18-041-00 (0,5Nm)	TXPLUS06x90-B	WS-0030 (15,0Nm)	
16	SM18-041-00 (0,5Nm)	TXPLUS06x90-B	WS-0044 (28,0Nm)	
20	SM18-041-00 (0,5Nm)	TXPLUS06x90-B	WS-0059 (28,0Nm)	

① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx ③ = Wrench / Clé de serrage

HIPOS⁺ END MILL 12J1P...W **FRAISE EN BOUT 12J1P...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		IK	kg
12J1P012020W3R00	12	16	80	20	56	9	1	1,5	✓	0,09
12J1P016026W3R00	16	16	85	26	61	9	2	10,0	✓	0,10
12J1P020030W4R01	20	20	90	30	65	9	2	7,0	✓	0,18
12J1P020030W4R00	20	20	90	30	65	9	3	7,0	✓	0,17
12J1P020075W4R00	20	20	125	75	100	9	2	7,0	✓	0,23
12J1P025040W5R00	25	25	100	40	68	9	4	4,4	✓	0,31
12J1P025085W5R00	25	25	145	85	113	9	3	4,4	✓	0,45
12J1P025085W5R01	25	25	145	85	113	9	4	4,4	✓	0,45

SPARE PARTS **ACCESSOIRES**



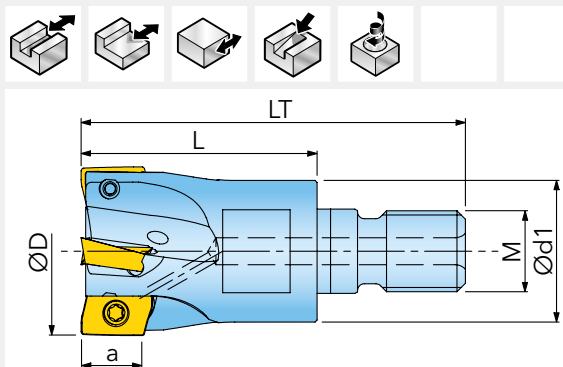
Diameter Range / Diamètres

12 - 16	SM25-054-00 (1,1Nm)	TX08x90-B
20 - 25	SM25-064-00 (1,1Nm)	TX08x90-B

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

HIPOS⁺ END MILL 12J1P...X **FRAISE EN BOUT 12J1P...X**

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
12J1P012030X4R00	12	11,8	44,5	30	9	M6	1	1,5	✓	0,02
12J1P015030X5R00	15	13	47,8	30	9	M8	2	12,0	✓	0,03
12J1P016035X5R00	16	13	52,8	35	9	M8	2	10,0	✓	0,03
12J1P020035X6R01	20	18	54,8	35	9	M10	2	7,0	✓	0,07
12J1P020035X6R00	20	18	54,8	35	9	M10	3	7,0	✓	0,06
12J1P025035X7R00	25	21	57	35	9	M12	4	4,4	✓	0,09
12J1P032043X8R01	32	29	67	43	9	M16	4	2,8	✓	0,20
12J1P032043X8R00	32	29	67	43	9	M16	5	2,8	✓	0,20
12J1P035043X8R00	35	29	67	43	9	M16	5	2,5	✓	0,22

SPARE PARTS
ACCESSOIRES



Diameter Range / Diamètres

12 - 16	SM25-054-00 (1,1Nm)	TX08x90-B
20 - 35	SM25-064-00 (1,1Nm)	TX08x90-B

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

BOMT09T304R	
BOMT09T320R	
BOCT09T308FR-P	
BOMT09T304R	
BOMT09T308R	
BOMT09T316R	
BOMT09T331R	
BOCT09T304FR-P	
BOMT09T304R-DT1	
BOMT09T304R-DT2	
BODT09T304R	
BODT09T308R	
BODT09T308R-001	
BODT09T320R-001	
ZOMT09T304R	

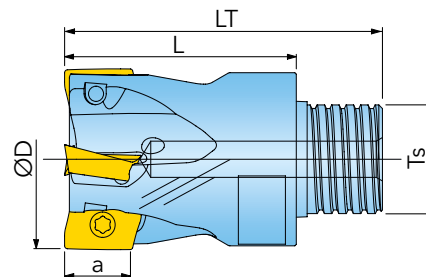
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT09T304R	0,10/0,15	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT09T308R	0,10/0,15	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT09T316R ¹⁾	0,10/0,15	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT09T320R ¹⁾	0,10/0,15	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT09T331R ¹⁾	0,10/0,15	positive geometry R3,1 / Géométrie positive R 3,1									
BOCT09T304FR-P	0,05/0,20	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT09T308FR-P	0,05/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT09T304R-DT1	0,05/0,20	with short PCD-tip R0,4 / avec insert PCD version courte R0,4									
BOMT09T304R-DT2	0,05/0,20	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT09T304R	0,05/0,15	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT09T304R-001	0,05/0,15	finishing geometry, short R0,4 / Géométrie de finition, courte R0,4									
BODT09T308R	0,05/0,15	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
BODT09T308R-001	0,05/0,15	finishing geometry, short R0,8 / Géométrie de finition, courte R0,8									
BODT09T320R-001	0,05/0,15	finishing geometry, short R2,0 / Géométrie de finition, courte R2,0									
ZOMT09T304R ²⁾	0,10/0,15	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

HIPOS⁺ END MILL 12J1P... **FRAISE EN BOUT 12J1P...**

FOR EXCHANGEABLE HEAD SYSTEM
POUR SYSTEME DE TETES INTERCHANGEABLES



Designation Réf. de l'article	D	LT	L	a	Ts	Z			
12J1P016026TRR00	16	37,9	26	9	T10	2	10,0	✓	0,03
12J1P020026TSR00	20	40	26	9	T12	3	7,0	✓	0,05
12J1P025032TUR00	25	49,1	32	9	T15	4	4,4	✓	0,09

SPARE PARTS ACCESSOIRES



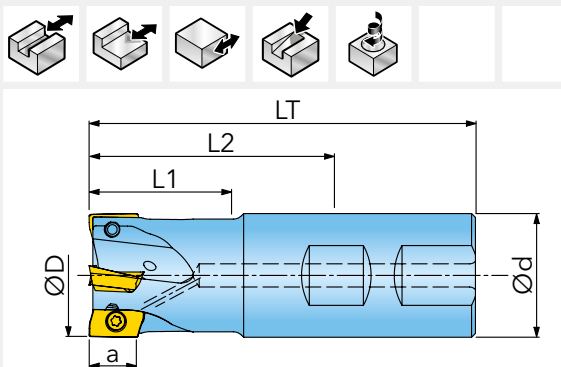
Diameter Range / Diamètres

16	SM25-054-00 (1,1Nm)	TX08x90-B	WS-0044 (28,0Nm)
20	SM25-064-00 (1,1Nm)	TX08x90-B	WS-0059 (28,0Nm)
25	SM25-064-00 (1,1Nm)	TX08x90-B	WS-0061 (28,0Nm)

① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx ③ = Wrench / Clé de serrage

HIPOS⁺ END MILL 12J1R...W **FRAISE EN BOUT 12J1R...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		IK	kg
12J1R020030W4R00	20	20	90	30	65	12	2	7,0	✓	0,17
12J1R025040W5R01	25	25	100	40	68	12	2	7,9	✓	0,32
12J1R025040W5R00	25	25	100	40	68	12	3	7,9	✓	0,30
12J1R032040W5R00	32	25	100	40	68	12	4	5,0	✓	0,33
12J1R032038W6R00	32	32	100	38	64	12	4	5,0	✓	0,51

SPARE PARTS
ACCESSOIRES



SM35-088-10 (3,0Nm) TX10x90-B

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

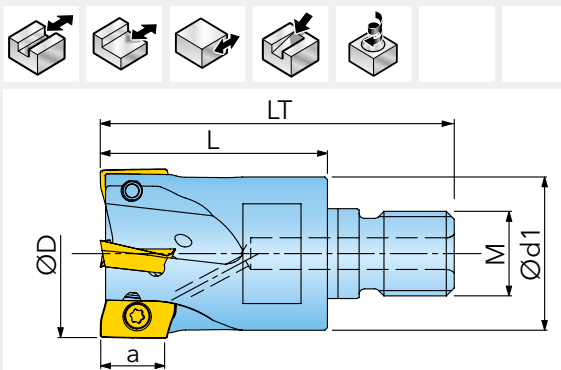
BOMT130404R	
BOMT130408R	
BOMT130416R	
BOMT130420R	
BOMT130424R	
BOMT130431R	
BOMT130440R	
BOCT130404FR-P	
BOCT130408FR-P	
BOMT130404R-DT2	
BODT130404R	
BODT130408R-001	
ZOMT130404R	

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT130404R	0,12/0,20	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT130408R	0,12/0,20	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT130416R	0,12/0,20	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT130420R	0,12/0,20	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT130424R¹⁾	0,12/0,20	positive geometry R2,4 / Géométrie positive R 2,4									
BOMT130431R¹⁾	0,12/0,20	positive geometry R3,1 / Géométrie positive R 3,1									
BOMT130440R¹⁾	0,12/0,20	positive geometry R4,0 / Géométrie positive R 4,0									
BOCT130404FR-P	0,05/0,25	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT130408FR-P	0,05/0,25	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT130404R-DT2	0,05/0,25	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT130404R	0,05/0,20	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT130404R-001	0,05/0,20	finishing geometry, short R0,4 / Géométrie de finition, courte R0,4									
BODT130408R	0,05/0,20	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
BODT130408R-001	0,05/0,20	finishing geometry, short R0,8 / Géométrie de finition, courte R0,8									
ZOMT130404R²⁾	0,12/0,20	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

SCREW-IN TYPE ADAPTION
 ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
12J1R020035X6R00	20	18	54,8	35	12	M10	2	7,0	✓	0,06
12J1R025035X7R01	25	21	57	35	12	M12	2	7,9	✓	0,09
12J1R025035X7R00	25	21	57	35	12	M12	3	7,9	✓	0,08
12J1R032043X8R00	32	29	67	43	12	M16	4	5,0	✓	0,19
12J1R035043X8R00	35	29	67	43	12	M16	4	4,2	✓	0,20
12J1R040043X8R01	40	29	67	43	12	M16	4	3,2	✓	0,25
12J1R040043X8R00	40	29	67	43	12	M16	5	3,2	✓	0,23

SPARE PARTS
 ACCESSOIRES



SM35-088-10 (3,0Nm) TX10x90-B

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

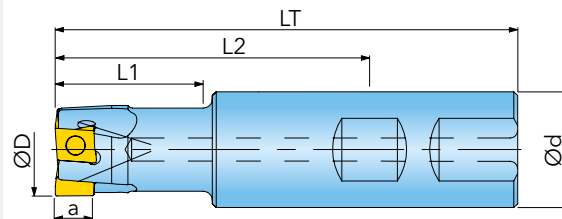
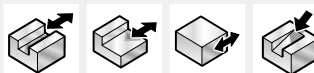
BOMT130404R		BOMT130408R		BOMT130416R	
BOMT130420R		BOMT130424R		BOMT130431R	
BOMT130440R		BOCT130404FR-P		BOCT130408FR-P	
BOMT130404R-DT2		BODT130404R		BODT130404R-001	
BODT130408R		BODT130408R-001		ZOMT130404R	

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT130404R	0,12/0,20	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT130408R	0,12/0,20	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT130416R	0,12/0,20	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT130420R	0,12/0,20	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT130424R¹⁾	0,12/0,20	positive geometry R2,4 / Géométrie positive R 2,4									
BOMT130431R¹⁾	0,12/0,20	positive geometry R3,1 / Géométrie positive R 3,1									
BOMT130440R¹⁾	0,12/0,20	positive geometry R4,0 / Géométrie positive R 4,0									
BOCT130404FR-P	0,05/0,25	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT130408FR-P	0,05/0,25	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT130404R-DT2	0,05/0,25	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT130404R	0,05/0,20	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT130404R-001	0,05/0,20	finishing geometry, short R0,4 / Géométrie de finition, courte R0,4									
BODT130408R	0,05/0,20	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
BODT130408R-001	0,05/0,20	finishing geometry, short R0,8 / Géométrie de finition, courte R0,8									
ZOMT130404R²⁾	0,12/0,20	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

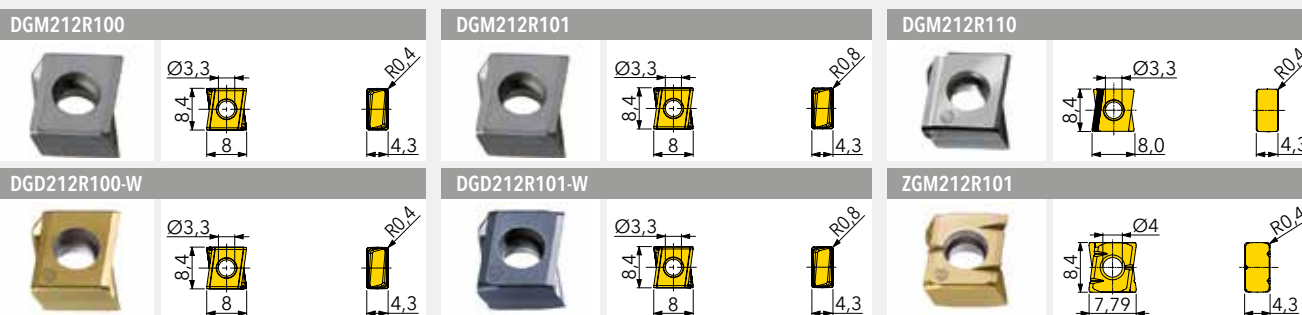
¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

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



Designation Réf. de l'article	D	d	LT	L1	L2	a	Z		IK	kg
1SJ1Y020034W5R00	20	25	100	34	68	7,5	2	0,7	✓	0,30
1SJ1Y020034W5R01	20	25	100	34	68	7,5	3	0,7	✓	0,30
1SJ1Y025039W5R00	25	25	105	39	73	7,5	3	0,4	✓	0,36
1SJ1Y025039W5R01	25	25	105	39	73	7,5	4	0,4	✓	0,36
1SJ1Y032039W6R00	32	32	110	39	74	7,5	3	0,3	✓	0,59
1SJ1Y032039W6R01	32	32	110	39	74	7,5	5	0,3	✓	0,60
1SJ1Y040039W6R00	40	32	120	39	84	7,5	4	0,2	✓	0,73
1SJ1Y040039W6R01	40	32	120	39	84	7,5	6	0,2	✓	0,74



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2004	IN2505	IN2530	IN4030	IN90D			
DGM212R100	0,10/0,15	positive geometry R0,4 / Géométrie positive R 0,4									
DGM212R101	0,10/0,15	positive geometry R0,8 / Géométrie positive R 0,8									
DGM212R110	0,05/0,20	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
DGD212R100-W	0,10/0,18	positive wiper geometry R0,4 / Géométrie wiper positive R0,4									
DGD212R101-W	0,10/0,18	positive wiper geometry R0,8 / géométrie wiper positive R0,8									
ZGM212R101	0,05/0,15	chipbreaker geometry R0,8 / Géométrie avec brise-copeaux R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

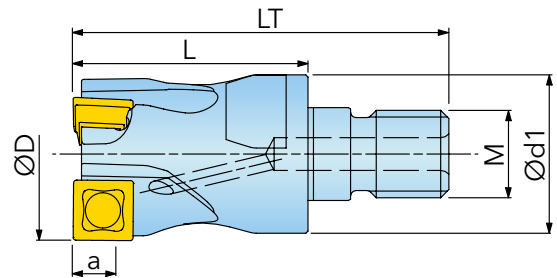
SPARE PARTS
ACCESSOIRES



SM30-082-20 (2,0Nm) TXPLUS08x90-B

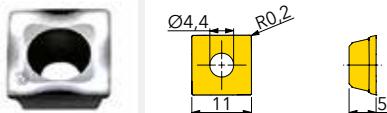
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

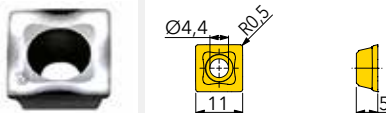


Designation Réf. de l'article	D	d1	LT	L	a	M	Z		IK	kg
15U1G025035X7R00	25	21	57	35	8,4	M12	2	7,0	✓	0,08
15U1G032043X8R00	32	29	67	43	8,4	M16	3	6,0	✓	0,18
15U1G040043X8R00	40	29	67	43	8,4	M16	3	4,0	✓	0,22

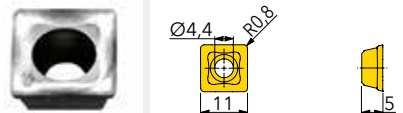
SHET110502FR-P



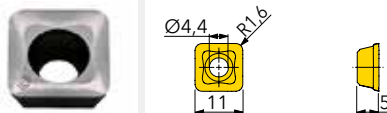
SHET110505FR-P



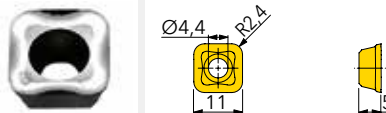
SHET110508FR-P



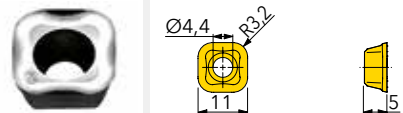
SHET110516FR-P



SHET110524FN-P



SHET110532FN-P



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN15K							
SHET110502FR-P	0,05/0,30	non-ferrous geometry, polished R0,2 / Géo. pour mat. non fer., polie R0,2									
SHET110505FR-P	0,05/0,30	non-ferrous geometry, polished R0,5 / Géo. pour mat. non fer., polie R0,5									
SHET110508FR-P	0,05/0,30	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
SHET110516FR-P	0,05/0,30	non-ferrous geometry, polished R1,6 / Géo. pour mat. non fer., polie R1,6									
SHET110524FN-P	0,05/0,30	non-ferrous geometry, polished R2,4 / Géo. pour mat. non fer., polie R2,4									
SHET110532FN-P	0,05/0,30	non-ferrous geometry, polished R3,2 / Géo. pour mat. non fer., polie R3,2									

● = P ● = M ● = K ● = N ● = S ○ = H

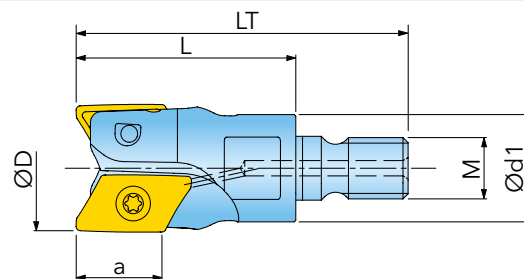
SPARE PARTS
ACCESSOIRES



SM40-093-20 (4,5Nm) TX15x90-B

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

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

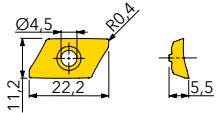
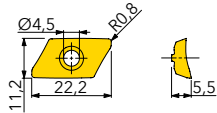
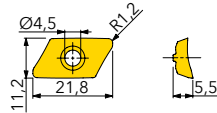
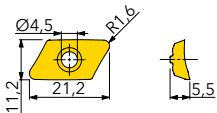
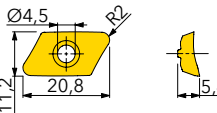
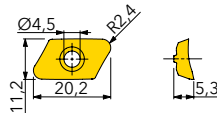
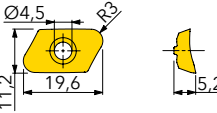
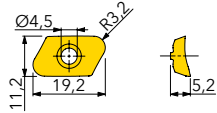
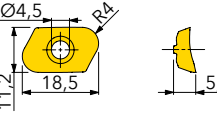
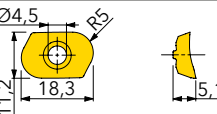


Designation
Réf. de l'article

D d1 LT L a M Z



Designation Réf. de l'article	D	d1	LT	L	a	M	Z			
1AX2K025043X7R00	25	21	65	43	16	M12	2	23,5	✓	0,09
1AX2K032043X8R00	32	29	67	43	16	M16	3	14,5	✓	0,17
1AX2K040043X8R00	40	29	67	43	16	M16	3	10	✓	0,22

XEVT160504FR-P  	XEVT160508FR-P  	XEVT160512FR-P  
XEVT160516FR-P  	XEVT160520FR-P  	XEVT160524FR-P  
XEVT160530FR-P  	XEVT160532FR-P  	XEVT160540FR-P  
XEVT160550FR-P  		

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K								
XEVT160504FR-P	0,05/0,35	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4	●									
XEVT160508FR-P	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8	●									
XEVT160512FR-P	0,05/0,35	non-ferrous geometry, polished R1,2 / Géo. pour mat. non fer., polie R1,2	●									
XEVT160516FR-P	0,05/0,35	non-ferrous geometry, polished R1,6 / Géo. pour mat. non fer., polie R1,6	●									
XEVT160520FR-P	0,05/0,35	non-ferrous geometry, polished R2,0 / Géo. pour mat. non fer., polie R2,0	●									
XEVT160524FR-P	0,05/0,35	non-ferrous geometry, polished R2,4 / Géo. pour mat. non fer., polie R2,4	●									
XEVT160530FR-P	0,05/0,35	non-ferrous geometry, polished R3,0 / Géo. pour mat. non fer., polie R3,0	●									
XEVT160532FR-P	0,05/0,35	non-ferrous geometry, polished R3,2 / Géo. pour mat. non fer., polie R3,2	●									
XEVT160540FR-P¹⁾	0,05/0,35	non-ferrous geometry, polished R4,0 / Géo. pour mat. non fer., polie R4,0	●									
XEVT160550FR-P¹⁾	0,05/0,35	non-ferrous geometry, polished R5,0 / Géo. pour mat. non fer., polie R5,0	●									

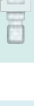
¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②
Diameter Range / Diamètres		
25	SM40-085-20 (4,5Nm)	TX15x90-B
32 - 40	SM40-093-21 (4,5Nm)	TX15x90-B

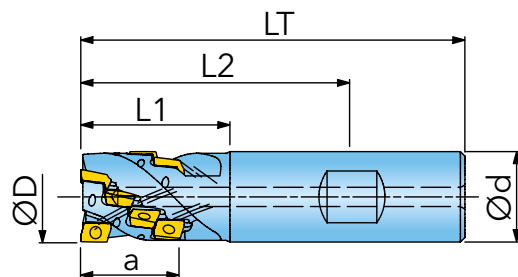
① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx

EXTENDED FLUTE END MILLS / FRAISES HÉRISSE

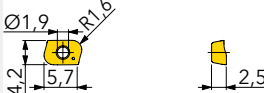
	D	a	Description	Code / Série	Page
		16 - 25	16,5 - 27 HPPOS Extended Flute End Mill 22J3D...W Fraise hérisson 22J3D...W	22J3D...W	76
		16 - 25	17 - 27 HPPOS Extended Flute End Mill 22J3D...Z Fraise hérisson 22J3D...Z	22J3D...Z	77
		25 - 32	26 - 34 HPPOS Extended Flute End Mill 22J3P...W Fraise hérisson 22J3P...W	22J3P...W	78
		25 - 40	26 - 42,5 HPPOS Extended Flute End Mill 22J3P...Z Fraise hérisson 22J3P...Z	22J3P...Z	80
		32 - 40	35 - 46 HPPOS Extended Flute End Mill 22J3R...W Fraise hérisson 22J3R...W	22J3R...W	82
		32 - 63	35 - 138 HPPOS Extended Flute End Mill 22J3R...Z Fraise hérisson 22J3R...Z	22J3R...Z	84
		40 - 80	35 - 46 HPPOS Extended Flute End Mill 22J3R...F Fraise hérisson 22J3R...F	22J3R...F	86
		63 - 100	45 - 88 HPPOS Extended Flute End Mill 22J3G...F Fraise hérisson 22J3G...F	22J3G...F	88
		40 - 80	45 - 146 HPPOS Extended Flute End Mill 22J3G...Z Fraise hérisson 22J3G...Z	22J3G...Z	90
		32 - 50	36 - 50 EVOTEC MAX Extended Flute End Mill 2SJ3Y...Z Fraise hérisson 2SJ3Y...Z	2SJ3Y...Z	92
		63 - 100	33 - 85 EVOTEC MAX Extended Flute End Mill 2EJ3J...F Fraise hérisson 2EJ3J...F (hélice à droite)	2EJ3J...F	93
		63 - 100	33 - 85 EVOTEC MAX Extended Flute End Mill 2EJ4J...F Fraise hérisson 2EJ4J...F (hélice à gauche)	2EJ4J...F	94
					
					

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

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		IK	kg
22J3D016017W3R00	16	16	80	30	56	16,5	6	2	4,0	✓	0,10
22J3D019022W4R00	19	20	85	32	60	22	12	3	2,6	✓	0,16
22J3D020022W4R00	20	20	85	32	60	22	12	3	2,5	✓	0,16
22J3D022022W4R00	22	20	85	32	60	22	16	4	2,3	✓	0,17
22J3D025027W5R00	25	25	95	36	63	27	20	4	2,0	✓	0,29

AOMT060202R			AOMT060204R			AOMT060208R					
											
AOMT060216R			AOCT060204FR-P								
											
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2035	IN2504	IN2505	IN2530			
AOMT060202R	0,06/0,12	positive geometry R0,2 / Géométrie positive R0,2									
AOMT060204R	0,06/0,12	positive geometry R0,4 / Géométrie positive R0,4									
AOMT060208R	0,06/0,12	positive geometry R0,8 / Géométrie positive R0,8									
AOMT060216R ¹⁾	0,06/0,12	positive geometry R1,6 / Géométrie positive R1,6									
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

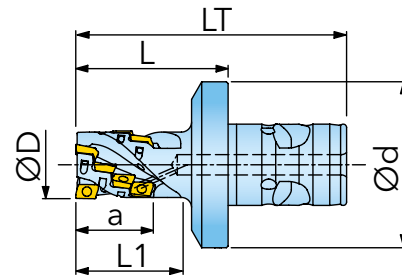
SPARE PARTS
ACCESSOIRES



SM18-041-00 (0,5Nm) TXPLUS06x90-B

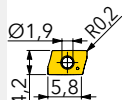
① = Insert screw / Vis de serrage plaque ② = Torx-Bit / Embout torx

MODULAR MILLING ADAPTOR INNOFIT
ATTACHEMENT MODULAIRE INNOFIT

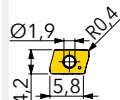


Designation Réf. de l'article	D	d	LT	L	L1	a	MOD	Z	Zeff			
22J3D016017Z4R00	16	49	80	45	32	17	MOD 40	6	2	4,0	✓	0,27
22J3D020022Z4R00	20	49	80	45	32	22	MOD 40	12	3	2,5	✓	0,28
22J3D025027Z4R00	25	49	90	55	43	27	MOD 40	20	4	2,0	✓	0,34

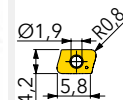
AOMT060202R



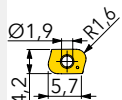
AOMT060204R



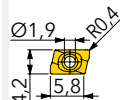
AOMT060208R



AOMT060216R



AOCT060204FR-P

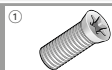


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2035	IN2504	IN2505	IN2530			
AOMT060202R	0,06/0,12	positive geometry R0,2 / Géométrie positive R0,2									
AOMT060204R	0,06/0,12	positive geometry R0,4 / Géométrie positive R0,4									
AOMT060208R	0,06/0,12	positive geometry R0,8 / Géométrie positive R0,8									
AOMT060216R ¹⁾	0,06/0,12	positive geometry R1,6 / Géométrie positive R1,6									
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

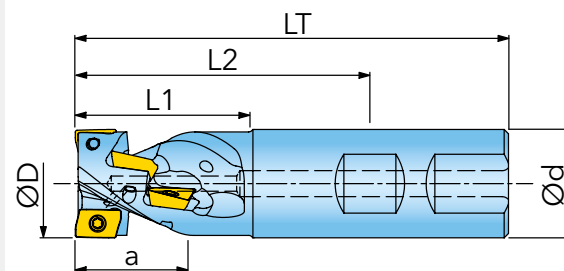
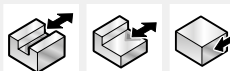


SM18-041-00 (0,5Nm) TXPLUS06x90-B

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

HIPOS⁺ EXTENDED FLUTE END MILL 22J3P...W
FRAISE HERISSON 22J3P...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		 IK	 kg
22J3P025026W5R00	25	25	100	40	68	26	6	2	4,4	✓	0,28
22J3P032034W6R00	32	32	110	50	74	34	12	3	2,8	✓	0,52

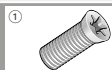


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT09T304R	0,10/0,15	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT09T308R	0,10/0,15	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT09T316R ¹⁾	0,10/0,15	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT09T320R ¹⁾	0,10/0,15	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT09T331R ¹⁾	0,10/0,15	positive geometry R3,1 / Géométrie positive R 3,1									
BOCT09T304FR-P	0,05/0,20	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT09T308FR-P	0,05/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT09T304R-DT2	0,05/0,20	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT09T304R	0,05/0,15	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT09T308R	0,05/0,15	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
ZOMT09T304R ²⁾	0,10/0,15	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

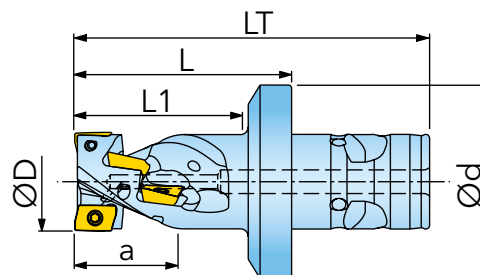
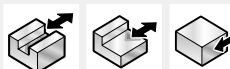


SM25-064-00 (1,1Nm)

TX08x90-B

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

MODULAR MILLING ADAPTOR INNOFIT
 ATTACHEMENT MODULAIRE INNOFIT



Designation Réf. de l'article	D	d	LT	L	L1	a	MOD	Z	Zeff		 IK	 kg
22J3P025026Z4R00	25	49	90	55	43	26	MOD 40	6	2	4,4	✓	0,33
22J3P028034Z4R00	28	49	107	72	60	34	MOD 40	8	2	3,7	✓	0,42
22J3P032034Z4R00	32	49	107	72	60	34	MOD 40	12	3	2,8	✓	0,48
22J3P040043Z4R00	40	49	107	72	60	42,5	MOD 40	20	4	2,4	✓	0,58

BOMT09T304R		BOMT09T308R		BOMT09T316R	
BOMT09T320R		BOMT09T331R		BOCT09T304FR-P	
BOCT09T308FR-P		BOMT09T304R-DT2		BODT09T304R	
BODT09T308R		ZOMT09T304R			

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT09T304R	0,10/0,15	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT09T308R	0,10/0,15	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT09T316R ¹⁾	0,10/0,15	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT09T320R ¹⁾	0,10/0,15	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT09T331R ¹⁾	0,10/0,15	positive geometry R3,1 / Géométrie positive R 3,1									
BOCT09T304FR-P	0,05/0,20	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT09T308FR-P	0,05/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT09T304R-DT2	0,05/0,20	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT09T304R	0,05/0,15	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT09T308R	0,05/0,15	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
ZOMT09T304R ²⁾	0,10/0,15	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

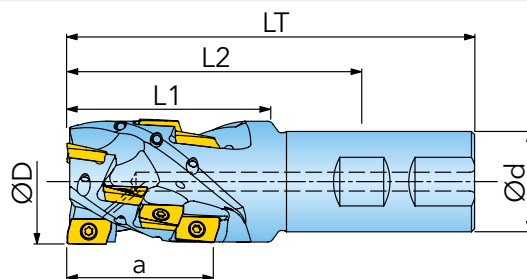
● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②
	SM25-064-00 (1,1Nm)	TX08x90-B

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

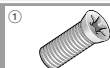
HIPOS⁺ EXTENDED FLUTE END MILL 22J3R...W **FRAISE HERISSON 22J3R...W**

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			
22J3R032035W6R00	32	32	110	48	74	35	6	2	5,0	✓	0,50
22J3R040046W6R00	40	32	130	65	94	46	12	3	3,2	✓	0,71

SPARE PARTS
ACCESSOIRES



SM35-088-10 (3,0Nm) TX10x90-B

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

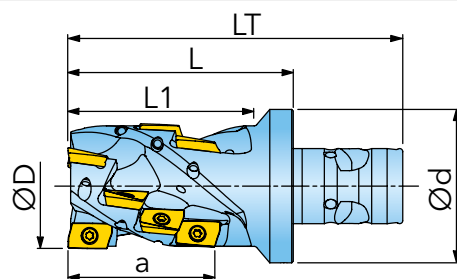
BOMT130404R	
BOMT130408R	
BOMT130416R	
BOMT130420R	
BOMT130424R	
BOMT130431R	
BOMT130440R	
BOCT130404FR-P	
BOCT130408FR-P	
BOMT130404R-DT2	
BODT130404R	
BODT130408R	
ZOMT130404R	

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT130404R	0,12/0,20	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT130408R	0,12/0,20	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT130416R	0,12/0,20	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT130420R	0,12/0,20	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT130424R¹⁾	0,12/0,20	positive geometry R2,4 / Géométrie positive R 2,4									
BOMT130431R¹⁾	0,12/0,20	positive geometry R3,1 / Géométrie positive R 3,1									
BOMT130440R¹⁾	0,12/0,20	positive geometry R4,0 / Géométrie positive R 4,0									
BOCT130404FR-P	0,05/0,25	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT130408FR-P	0,05/0,25	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT130404R-DT2	0,05/0,25	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT130404R	0,05/0,20	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT130408R	0,05/0,20	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
ZOMT130404R²⁾	0,12/0,20	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

MODULAR MILLING ADAPTOR INNOFIT
ATTACHEMENT MODULAIRE INNOFIT



Designation Réf. de l'article	D	d	LT	L	L1	a	MOD	Z	Zeff			
22J3R032035Z4R00	32	49	95	60	49	35	MOD 40	6	2	5,0	✓	0,38
22J3R040046Z4R00	40	49	107	72	60	46	MOD 40	12	3	3,2	✓	0,54
22J3R040046Z4R02	40	49	107	72	60	46	MOD 40	16	4	3,2	✓	0,57
22J3R040069Z4R02	40	49	129	94	83	69	MOD 40	24	4	3,2	✓	0,67
22J3R040069Z4R00	40	49	129	94	83	69	MOD 40	18	3	3,2	✓	0,64
22J3R040069Z5R00	40	78	147	100	79	69	MOD 50	18	3	3,2	✓	1,28
22J3R040081Z5R00	40	78	159	112	91	81	MOD 50	21	3	3,2	✓	1,32
22J3R050046Z4R00	50	49	107	72	72	46	MOD 40	16	4	2,1	✓	0,80
22J3R050069Z5R00	50	78	147	100	80	69	MOD 50	24	4	2,1	✓	1,60
22J3R063092Z5R00	63	78	167	120	102	92	MOD 50	32	4	1,4	✓	2,43
22J3R063115Z5R00	63	78	190	143	125	115	MOD 50	40	4	1,4	✓	2,76
22J3R063138Z5R00	63	78	213	166	148	138	MOD 50	48	4	1,4	✓	3,09

SPARE PARTS
ACCESSOIRES



SM35-088-10 (3,0Nm) TX10x90-B

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

BOMT130404R	
BOMT130408R	
BOMT130416R	
BOMT130420R	
BOMT130424R	
BOMT130431R	
BOMT130440R	
BOCT130404FR-P	
BOCT130408FR-P	
BOMT130404R-DT2	
BODT130404R	
BODT130408R	
ZOMT130404R	

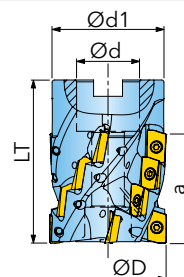
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT130404R	0,12/0,20	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT130408R	0,12/0,20	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT130416R	0,12/0,20	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT130420R	0,12/0,20	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT130424R¹⁾	0,12/0,20	positive geometry R2,4 / Géométrie positive R 2,4									
BOMT130431R¹⁾	0,12/0,20	positive geometry R3,1 / Géométrie positive R 3,1									
BOMT130440R¹⁾	0,12/0,20	positive geometry R4,0 / Géométrie positive R 4,0									
BOCT130404FR-P	0,05/0,25	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT130408FR-P	0,05/0,25	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT130404R-DT2	0,05/0,25	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT130404R	0,05/0,20	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT130408R	0,05/0,20	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
ZOMT130404R²⁾	0,12/0,20	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

HIPOS⁺ EXTENDED FLUTE END MILL 22J3R...F **FRAISE HERISSON 22J3R...F**

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z	Zeff		 IK	 kg
22J3R040035F0R00	40	16	36	55	35	9	3	3,2	✓	0,23
22J3R050046F1R00	50	22	48	70	46	16	4	2,1	✓	0,54
22J3R050046F2R00	50	27	48	70	46	16	4	2,1	✓	0,48
22J3R063046F2R00	63	27	55	70	46	16	4	1,4	✓	0,98
22J3R080046F3R00	80	32	73	70	46	20	5	1,0	✓	1,62

SPARE PARTS
ACCESSOIRES



SM35-088-10 (3,0Nm) TX10x90-B

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

BOMT130404R	
BOMT130408R	
BOMT130416R	
BOMT130420R	
BOMT130424R	
BOMT130431R	
BOMT130440R	
BOCT130404FR-P	
BOCT130408FR-P	
BOMT130404R-DT2	
BODT130404R	
BODT130408R	
ZOMT130404R	

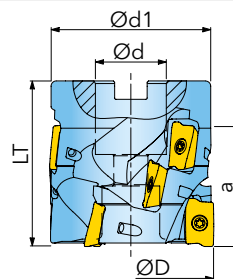
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT130404R	0,12/0,20	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT130408R	0,12/0,20	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT130416R	0,12/0,20	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT130420R	0,12/0,20	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT130424R¹⁾	0,12/0,20	positive geometry R2,4 / Géométrie positive R 2,4									
BOMT130431R¹⁾	0,12/0,20	positive geometry R3,1 / Géométrie positive R 3,1									
BOMT130440R¹⁾	0,12/0,20	positive geometry R4,0 / Géométrie positive R 4,0									
BOCT130404FR-P	0,05/0,25	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT130408FR-P	0,05/0,25	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT130404R-DT2	0,05/0,25	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT130404R	0,05/0,20	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT130408R	0,05/0,20	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
ZOMT130404R²⁾	0,12/0,20	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

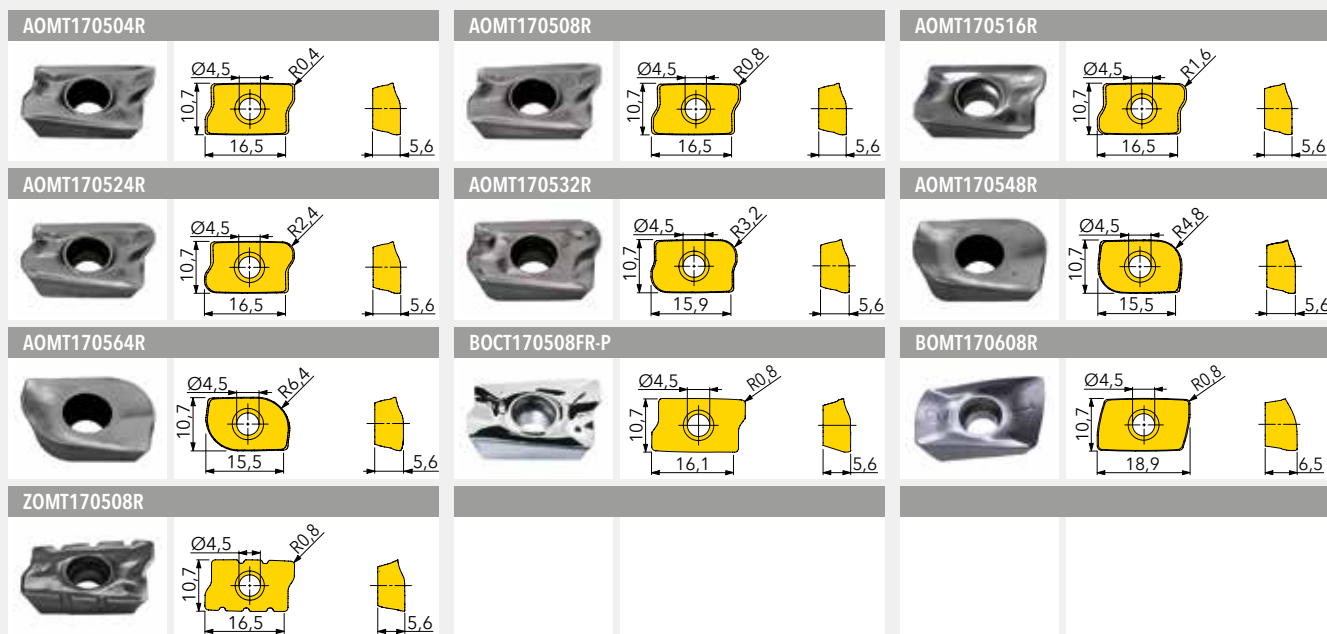
● = P ● = M ● = K ● = N ● = S ○ = H

HIPOS⁺ EXTENDED FLUTE END MILL 22J3G...F **FRAISE HERISSON 22J3G...F**

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z	Zeff			
22J3G063045F2R00	63	27	61	63	45	9	3	3,2	✓	0,86
22J3G063059F2R00	63	27	61	75	59	12	3	3,2	✓	0,95
22J3G063059F2R01	63	27	61	75	59	16	4	3,2	✓	0,98
22J3G080074F3R00	80	32	77	95	74	20	4	2,3	✓	2,44
22J3G080074F3R01	80	32	77	95	74	25	5	2,3	✓	2,27
22J3G100088F4R00	100	40	98	110	88	36	6	1,8	✓	4,41



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530	IN6537	
AOMT170504R	0,18/0,30	positive geometry R0,4 / Géométrie positive R0,4									
AOMT170508R	0,18/0,30	positive geometry R0,8 / Géométrie positive R0,8									
AOMT170516R	0,18/0,30	positive geometry R1,6 / Géométrie positive R1,6									
AOMT170524R ¹⁾	0,18/0,30	positive geometry R2,4 / Géométrie positive R2,4									
AOMT170532R ¹⁾	0,18/0,30	positive geometry R3,2 / Géométrie positive R3,2									
AOMT170548R ¹⁾	0,18/0,30	positive geometry R4,8 / Géométrie positive R4,8									
AOMT170564R ¹⁾	0,18/0,30	positive geometry R6,4 / Géométrie positive R6,4									
BOCT170508FR-P	0,05/0,30	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT170608R	0,15/0,30	positive geometry R0,8 / Géométrie positive R 0,8									
ZOMT170508R ²⁾	0,18/0,30	chip splitter geometry R0,8 / Géométrie avec brise-copeaux R0,8									

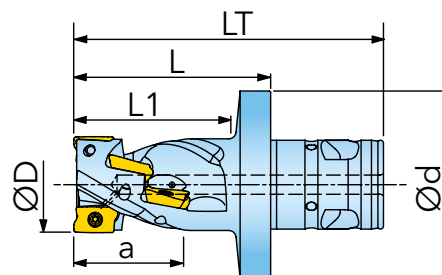
¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

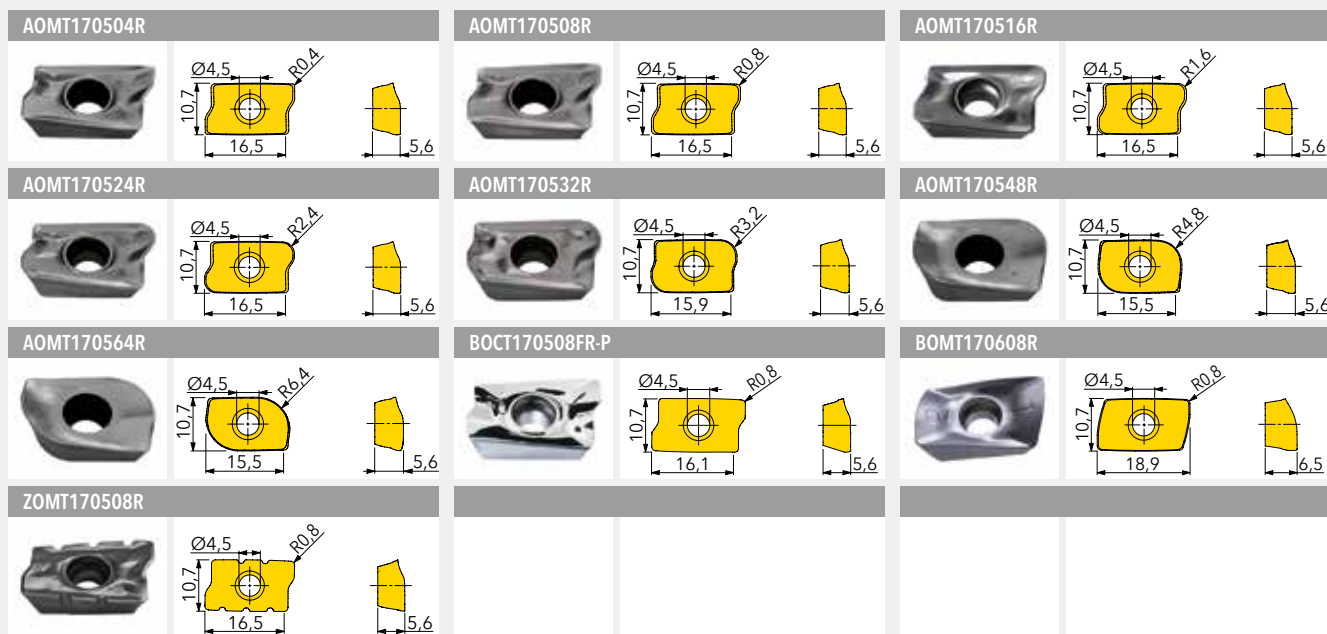
SPARE PARTS ACCESSOIRES	①	②
	SM40-093-20 (4,5Nm)	TX15x90-B

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

MODULAR MILLING ADAPTOR INNOFIT
ATTACHEMENT MODULAIRE INNOFIT



Designation Réf. de l'article	D	d	LT	L	L1	a	MOD	Z	Zeff		 IK	 kg
22J3G040045Z5R00	40	78	129	82	65	45	MOD 50	6	2	5,0	✓	1,19
22J3G050060Z5R00	50	78	143	96	79	60	MOD 50	12	3	4,4	✓	1,50
22J3G063088Z5R00	63	78	172	125	108	88	MOD 50	18	3	3,2	✓	2,35
22J3G063117Z5R00	63	78	201	154	137	117	MOD 50	24	3	3,2	✓	2,75
22J3G063146Z5R00	63	78	230	183	166	146	MOD 50	30	3	3,2	✓	3,04
22J3G080088Z5R00	80	78	172	125	125	88	MOD 50	24	4	2,3	✓	3,68
22J3G080117Z5R00	80	78	201	154	154	117	MOD 50	40	5	2,3	✓	4,54



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530	IN6537	
AOMT170504R	0,18/0,30	positive geometry R0,4 / Géométrie positive R0,4									
AOMT170508R	0,18/0,30	positive geometry R0,8 / Géométrie positive R0,8									
AOMT170516R	0,18/0,30	positive geometry R1,6 / Géométrie positive R1,6									
AOMT170524R ¹⁾	0,18/0,30	positive geometry R2,4 / Géométrie positive R2,4									
AOMT170532R ¹⁾	0,18/0,30	positive geometry R3,2 / Géométrie positive R3,2									
AOMT170548R ¹⁾	0,18/0,30	positive geometry R4,8 / Géométrie positive R4,8									
AOMT170564R ¹⁾	0,18/0,30	positive geometry R6,4 / Géométrie positive R6,4									
BOCT170508FR-P	0,05/0,30	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT170608R	0,15/0,30	positive geometry R0,8 / Géométrie positive R0,8									
ZOMT170508R ²⁾	0,18/0,30	chip splitter geometry R0,8 / Géométrie avec brise-copeaux R0,8									

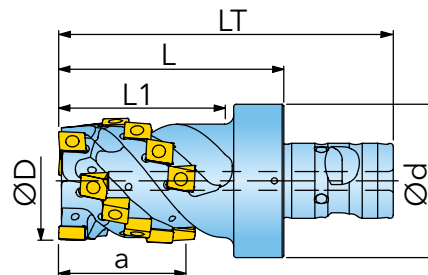
¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	①	②
	SM40-093-20 (4,5Nm)	TX15x90-B

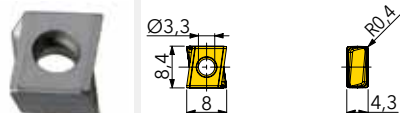
① = Insert screw / Vis de serrage plaqueette ② = Torx-Bit / Embout torx

MODULAR MILLING ADAPTOR INNOFIT
ATTACHEMENT MODULAIRE INNOFIT

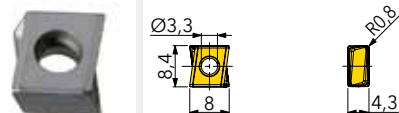


Designation Réf. de l'article	D	d	LT	L	L1	a	MOD	Z	Zeff	IK	kg
2SJ3Y032036Z4R00	32	49	107	72	53	36	MOD 40	15	3	✓	0,53
2SJ3Y040043Z4R00	40	49	107	72	53	43	MOD 40	18	3	✓	0,65
2SJ3Y050050Z5R00	50	78	127	90	69	50	MOD 50	28	4	✓	1,70

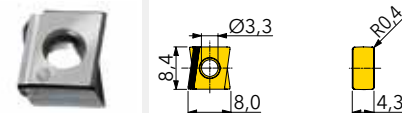
DGM212R100



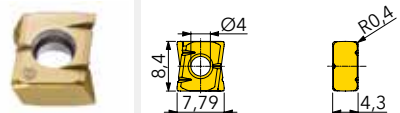
DGM212R101



DGM212R110



ZGM212R101



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2004	IN2505	IN2530	IN4030	IN90D			
DGM212R100	0,10/0,15	positive geometry R0,4 / Géométrie positive R 0,4		●	●		●				
DGM212R101	0,10/0,15	positive geometry R0,8 / Géométrie positive R 0,8		●	●		●				
DGM212R110	0,05/0,20	with long PCD-tip R0,4 / avec insert PCD version longue R0,4						●			
ZGM212R101	0,05/0,15	chipbreaker geometry R0,8 / Géométrie avec brise-copeaux R0,8			●	●					

● = P ● = M ● = K ● = N ● = S ○ = H

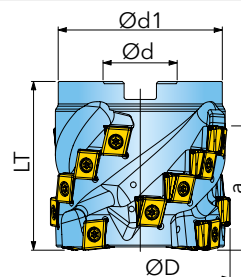
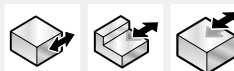
SPARE PARTS
ACCESSOIRES



SM30-082-20 (2,0Nm) TXPLUS08x90-B

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

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	κ	a	Z	Ze _{eff}	IK	kg
2EJ3J063033F2R00	63	27	55	60	90	33	9	3	✓	0,95
2EJ3J063063F2R00	63	27	55	90	90	63	18	3	✓	1,40
2EJ3J080054F3R00	80	32	73	75	90	54	20	4	✓	2,00
2EJ3J080075F3R00	80	32	73	100	90	75	28	4	✓	2,70
2EJ3J100085F4R00	100	40	92	120	90	85	40	5	✓	5,50

DGM324R300	DGM324R301	DGM324R302
ZGM324R300		

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN4015	IN4030	IN4040					
DGM324R300	0,10/0,25	positive geometry R0,8 / Géométrie positive R0,8		●	●	●	●					
DGM324R301	0,10/0,25	positive geometry R1,6 / Géométrie positive R1,6		●	●	●	●					
DGM324R302	0,10/0,25	positive geometry R3,2 / Géométrie positive R3,2		●	●	●	●					
ZGM324R300	0,10/0,25	chipbreaker geometry R0,8 / Géométrie avec brise-copeaux R0,8		●		●						

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

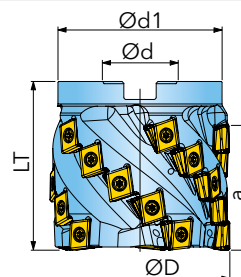


SM40-143-H0 (4,5Nm) TX15x90-B

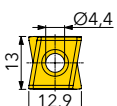
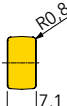
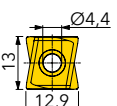
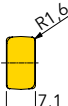
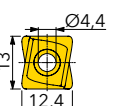
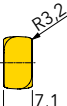
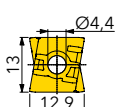
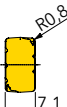
① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx

EVOTECMAX EXTENDED FLUTE END MILL 2EJ4J...F
FRAISE HÉRISSE 2EJ4J...F (HÉLICE À GAUCHE)

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	κ	a	Z	Z _{eff}		
2EJ4J063033F2R00	63	27	55	60	90	33	12	4	✓	0,94
2EJ4J063063F2R00	63	27	55	90	90	63	24	4	✓	1,40
2EJ4J080054F3R00	80	32	73	75	90	54	25	5	✓	2,00
2EJ4J080075F3R00	80	32	73	100	90	75	35	5	✓	2,72
2EJ4J100085F4R00	100	40	92	120	90	85	48	6	✓	5,70

DGM324R300			DGM324R301			DGM324R302					
											
ZGM324R300											
											
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN4015	IN4030	IN4040				
DGM324R300	0,10/0,25	positive geometry R0,8 / Géométrie positive R0,8									
DGM324R301	0,10/0,25	positive geometry R1,6 / Géométrie positive R1,6									
DGM324R302	0,10/0,25	positive geometry R3,2 / Géométrie positive R3,2									
ZGM324R300	0,10/0,25	chipbreaker geometry R0,8 / Géométrie avec brise-copeaux R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



SM40-143-H0 (4,5Nm) TX15x90-B

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

SHOULDER-TYPE FACE MILLS / FRAISES À SURFACER & DRESSER

	D	a	Description	Code / Série	Page
	50 - 250	0,5	MICRO-MILL Finish Mill 6F2B Fraise de finition 6F2B	6F2B	98
	50 - 250	0,5	MICRO-MILL Finish Mill SF2B Fraise de finition SF2B	SF2B	99
	32 - 63	3,8	DIPOSTRIO Shoulder-Type Face Mill WJ_D Fraise à surfacer-dresser WJ_D	WJ_D	100
	40 - 125	5,8	DIPOSTRIO Shoulder-Type Face Mill WJ_F Fraise à surfacer-dresser WJ_F	WJ_F	101
	32 - 50	5	DIPOSQUAD Shoulder-Type Face Mill DJ5E Fraise à surfacer-dresser DJ5E	DJ5E	102
	40 - 125	7	DIPOSQUAD Shoulder-Type Face Mill DJ_R Fraise à surfacer-dresser DJ_R	DJ_R	103
	32 - 40	5,7	HIPOST Shoulder-type Face Mill 2J1D Fraise à surfacer-dresser 2J1D	2J1D	104
	32 - 63	6	DIPOS DUO Shoulder-Type Face Mill TJ1D Fraise à surfacer-dresser TJ1D	TJ1D	106
	40 - 80	8	DIPOS DUO Shoulder-Type Face Mill TJ5F Fraise à surfacer-dresser TJ5F	TJ5F	108
	40 - 100	10,5	DIPOS DUO Shoulder-Type Face Mill TJ_G Fraise à surfacer-dresser TJ_G	TJ_G	109
	50 - 125	13,8	DIPOS DUO Shoulder-Type Face Mill TJ_J Fraise à surfacer-dresser TJ_J	TJ_J	110
	35 - 63	7	HIPOSTRIO Shoulder-Type Face Mill KJ_D Fraise à surfacer-dresser KJ_D	KJ_D	111
	50 - 125	11	HIPOSTRIO Shoulder-Type Face Mill KJ_G Fraise à surfacer-dresser KJ_G	KJ_G	112
	63 - 160	15	HIPOSTRIO Shoulder-Type Face Mill KJ_P Fraise à surfacer-dresser KJ_P	KJ_P	113

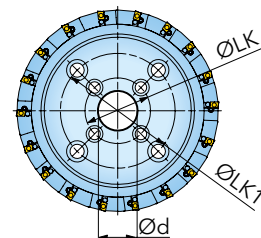
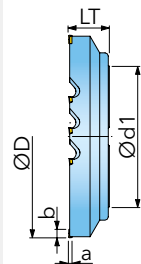
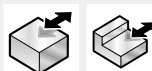
Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

SHOULDER-TYPE FACE MILLS / FRAISES À SURFACER & DRESSER

	D	a	Description	Code / Série	Page
	32 - 80	7,5	EVOTEC^{MAX} Shoulder-Type Face Mill SJ_Y Fraise à surfacer-dresser SJ_Y	SJ_Y	114
	40 - 125	9,7	EVOTEC^{MAX} Shoulder-Type Face Mill EJ_E Fraise à surfacer-dresser EJ_E	EJ_E	115
	50 - 80	12	EVOTEC^{MAX} Shoulder-Type Face Mill EJ_J Fraise à surfacer-dresser EJ_J	EJ_J	116
	100 - 250	12	EVOTEC^{MAX} Semi-Finish / Finish Mill EF2J Fraise de finition & semi-finition EF2J	EF2J	117
	40 - 80	7,5	HIPOS^{QUAD} Shoulder-Type Face Mill 5J1E Fraise à surfacer-dresser 5J1E	5J1E	118
	40 - 80	8,3	ISO^{PLUS} Shoulder-Type Face Mill DK1G Fraise à surfacer-dresser DK1G	DK1G	119
	50 - 80	8,7	GOLD^{MAX} Shoulder-Type Face Mill VJ_K Fraise à surfacer-dresser VJ_K	VJ_K	120
	32 - 80	9	HIPOS⁺ Adjustable Shoulder-Type Face Mill 2J5P Fraise à surfacer-dresser réglable 2J5P	2J5P	121
	32 - 100	9	HIPOS⁺ Shoulder-Type Face Mill 2J1P Fraise à surfacer-dresser 2J1P	2J1P	122
	35 - 125	12	HIPOS⁺ Shoulder-Type Face Mill 2J1R Fraise à surfacer-dresser 2J1R	2J1R	124
	40 - 160	16	HIPOS⁺ Shoulder-Type Face Mill 2J1G Fraise à surfacer-dresser 2J1G	2J1G	126
	50 - 100	11,3	GOLD^{QUAD} Shoulder-Type Face Mill 5J5P Fraise à surfacer-dresser 5J5P	5J5P	128
	50 - 100	8,4	ALU^{MINATOR} Shoulder-Type Face Mill 5H6G Fraise à surfacer-dresser 5H6G	5H6G	129
	40 - 125	16	HIPOS^{ALU} Shoulder-Type Face Mill AX2K Fraise à surfacer-dresser AX2K	AX2K	130

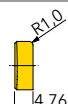
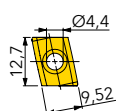
Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

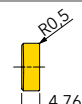
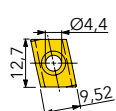


Designation Réf. de l'article	D	d	d1	LT	LK	LK1	a	b	Z	IK	kg
6F2B050R00	50	22	44	40	-	-	0,5	10	3	✓	0,40
6F2B063R00	63	22	48	40	-	-	0,5	10	3	✓	0,60
6F2B080R00	80	27	70	50	-	-	0,5	10	4	✓	1,50
6F2B100R00	100	32	80	50	-	-	0,5	10	6	✓	2,00
6F2B125R00	125	40	100	63	-	-	0,5	10	6	✓	3,50
6F2B160R00	160	40	130	63	66,7	-	0,5	10	8		5,00
6F2B200R00	200	60	160	63	101,6	-	0,5	10	10		8,00
6F2B250R00	250	60	220	63	101,6	-	0,5	10	12		13,0

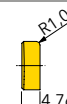
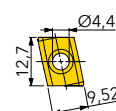
YDA323L101



YDA323L104



YDA323L114



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN0560	IN2010	IN2040				
YDA323L101	fu 1/fu 10	wiper finishing edge R1,0 / Plaquette racleuse R1,0		●	●	●	●				
YDA323L104	fu 1/fu 10	wiper finishing edge R0,5 / Plaquette racleuse R0,5		●	●	●	●				
YDA323L114	fu 1/fu 5	short wiper finishing edge R1,0 / Plaquette avec Wiper court R1,0		●	●	●	●				

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



SM40-110-00 (4,5Nm)

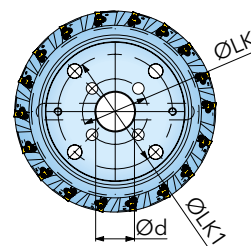
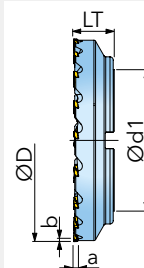
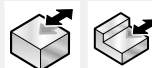
TX15x90-B

SC050-01

PN072-03

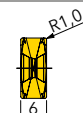
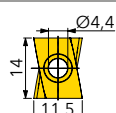
① = Insert screw / Vis de serrage ② = Torx-Bit / Embout torx ③ = Setting screw / Vis de réglage ④ = Eccentric pin / Pion excentrique

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

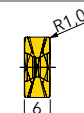
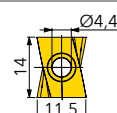


Designation Réf. de l'article	D	d	d1	LT	LK	LK1	κ	a	b	Z	kg
SF2B050R00	50	22	44	40	-	-	90	0,5	12	3	0,38
SF2B063R00	63	22	48	40	-	-	90	0,5	12	3	0,62
SF2B080R00	80	27	70	50	-	-	90	0,5	12	4	1,21
SF2B100R00	100	32	80	50	-	-	90	0,5	12	6	1,80
SF2B125R00	125	40	100	63	-	-	90	0,5	12	6	3,50
SF2B160R00	160	40	130	63	66,7	-	90	0,5	12	8	5,20
SF2B200R00	200	60	160	63	101,6	-	90	0,5	12	10	7,50
SF2B250R00	250	60	220	63	101,6	-	90	0,5	12	12	12,85

YDA223L101



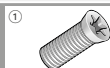
YDA223L114



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2010	IN2040						
YDA223L101	fu 1/fu 11	wiper finishing edge R1,0 / Plaquette racleuse R1,0		●	●						
YDA223L114	fu 1/fu 5	short wiper finishing edge R1,0 / Plaquette avec Wiper court R1,0		●	●						

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



SM40-110-00 (4,5Nm)

TX15x90-B

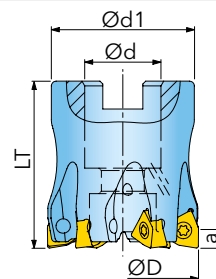
SC050-01

PN072-03

① = Insert screw / Vis de serrage ② = Torx-Bit / Embout torx ③ = Setting screw / Vis de réglage ④ = Eccentric pin / Pion excentrique

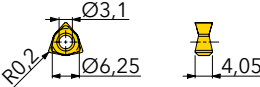
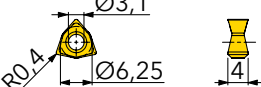
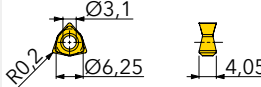
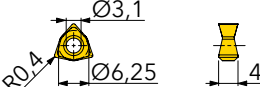
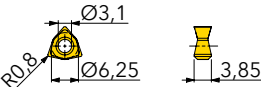
DIPOSTRIO SHOULDER-TYPE FACE MILL WJ_D FRAISE A SURFACER-DRESSER WJ_D

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
WJ5D032R00 ¹⁾	32	16	30	35	3,8	6	1,5	✓	0,13
WJ5D040R01 ¹⁾	40	16	30	40	3,8	7	2,1	✓	0,18
WJ6D040R01	40	16	30	40	3,8	5	2,1	✓	0,18
WJ5D040R00 ¹⁾	40	22	38	40	3,8	7	2,1	✓	0,23
WJ6D040R00	40	22	38	40	3,8	5	2,1	✓	0,23
WJ5D050R00 ¹⁾	50	22	45	40	3,8	9	2,5	✓	0,35
WJ6D050R00	50	22	45	40	3,8	6	2,5	✓	0,36
WJ5D063R00 ¹⁾	63	22	55	40	3,8	11	2,4	✓	0,62
WJ6D063R00	63	22	55	40	3,8	8	2,4	✓	0,61

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

WNMU04T302N		WNMU04T304N		WNCU04T302FN-P							
											
WNCU04T304FN-P		WNCU04T308FN-P									
											
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2530	IN6537		
WNMU04T302N	0,07/0,18	positive geometry R0,2 / Géométrie positive R0,2									
WNMU04T304N	0,07/0,18	positive geometry R0,4 / Géométrie positive R0,4									
WNCU04T302FN-P	0,05/0,20	non-ferrous geometry R0,2 / Géo. pour mat. non fer. R0,2									
WNCU04T304FN-P	0,05/0,20	non-ferrous geometry R0,4 / Géo. pour mat. non fer. R0,4									
WNCU04T308FN-P	0,05/0,20	non-ferrous geometry R0,8 / Géo. pour mat. non fer. R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

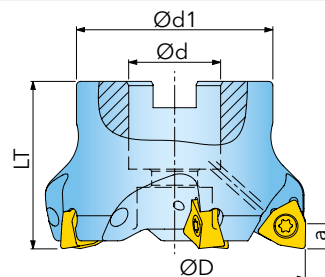
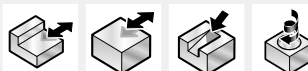


SM25-064-00 (1,1Nm) TX08x90-B

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

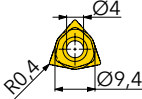
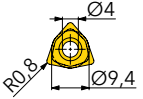
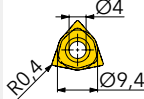
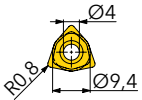
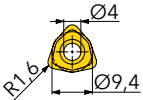
DIPOSTRIO SHOULDER-TYPE FACE MILL WJ_F FRAISE À SURFACER-DRESSER WJ_F

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
WJ5F040R00 ¹⁾	40	16	38	40	5,8	4	1,8	✓	0,22
WJ6F050R00	50	22	45	40	5,8	4	1,7	✓	0,32
WJ5F050R00 ¹⁾	50	22	45	40	5,8	6	1,7	✓	0,31
WJ6F063R00	63	22	47	40	5,8	5	2,6	✓	0,45
WJ5F063R00 ¹⁾	63	22	47	40	5,8	7	2,6	✓	0,46
WJ6F080R00	80	27	58	50	5,8	7	2,9	✓	0,94
WJ5F080R00 ¹⁾	80	27	58	50	5,8	9	2,9	✓	0,94
WJ6F100R00	100	32	85	50	5,8	8	2,2	✓	1,80
WJ5F100R00 ¹⁾	100	32	85	50	5,8	11	2,2	✓	1,80
WJ6F125R00	125	40	85	63	5,8	10	1,3	✓	2,87
WJ5F125R00 ¹⁾	125	40	85	63	5,8	14	1,3	✓	2,87

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

WNCU060604N			WNCU060608N			WNCU060604FN-P				
										
WNCU060608FN-P			WNCU060616FN-P							
										
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2530	IN6537	
WNCU060604N	0,13/0,35	positive geometry R0,4 / Géométrie positive R 0,4								
WNCU060608N	0,13/0,35	positive geometry R0,8 / Géométrie positive R0,8								
WNCU060604FN-P	0,05/0,35	non-ferrous geometry R0,4 / Géo. pour mat. non fer. R0,4								
WNCU060608FN-P	0,05/0,35	non-ferrous geometry R0,8 / Géo. pour mat. non fer. R0,8								
WNCU060616FN-P	0,05/0,35	non-ferrous geometry R1,6 / Géo. pour mat. non fer. R1,6								

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

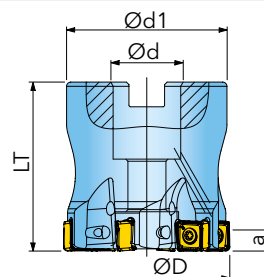
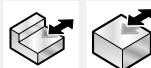


SM35-088-60 (3,0Nm) TX10x90-B

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

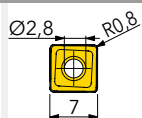
DIPOSQUAD SHOULDER-TYPE FACE MILL DJ5E FRAISE À SURFACER-DRESSER DJ5E

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

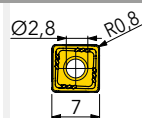


Designation Réf. de l'article	D	d	d1	LT	a	Z	IK	kg
DJ5E032R00	32	16	30	32	5	4	✓	0,12
DJ5E040R00	40	16	38	40	5	6	✓	0,27
DJ5E050R00	50	22	45	40	5	8	✓	0,39

SQGU070408TR-M



SQGU070308R-ML



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2504	IN2505	IN2510	IN2530				
SQGU070408TR-M	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8									
SQGU070308R-ML	0,10/0,20	high positive geometry R0,8 / Géométrie très positive R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

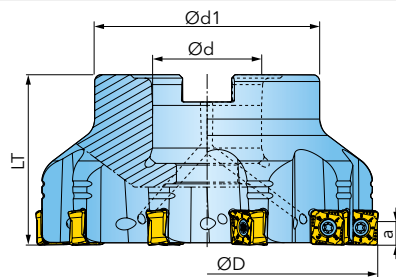
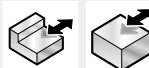


SM25-060-90 (1,1Nm) TXPLUS07x90-B

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

DIPOSQUAD SHOULDER-TYPE FACE MILL DJ_R FRAISE À SURFACER-DRESSER DJ_R

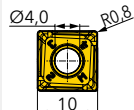
ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



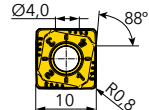
Designation Réf. de l'article	D	d	d1	LT	a	Z		kg
DJ5R040R00 ¹⁾	40	16	38	40	7	4	✓	0,2
DJ6R050R00	50	22	45	40	7	5	✓	0,3
DJ6R063R00	63	22	47	40	7	6	✓	0,5
DJ5R063R00 ¹⁾	63	22	47	40	7	8	✓	0,5
DJ6R080R00	80	27	58	50	7	8	✓	1,1
DJ5R080R00 ¹⁾	80	27	58	50	7	10	✓	1,1
DJ6R100R00	100	32	66	50	7	10	✓	1,6
DJ5R100R00 ¹⁾	100	32	66	50	7	14	✓	1,7
DJ6R125R00	125	40	85	63	7	12	✓	3,4
DJ5R125R00 ¹⁾	125	40	85	63	7	16	✓	3,5

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

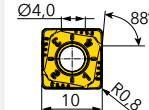
SQGU100408TR-M



SQGU100408PNR-MP



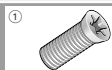
SQGU100408PNR-MMP



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2504	IN2505	IN2510	IN2530				
SQGU100408TR-M	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8 pour 90°									
SQGU100408PNR-MP	0,10/0,20	positive Geometry / Géométrie positive pour fontes									
SQGU100408PNR-MMP	0,10/0,20	positive Geometry / Géométrie très positive									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



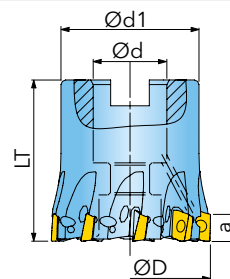
TS 35A088I/HG

TX10x90-B

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

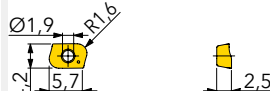
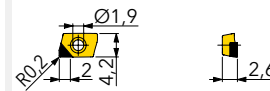
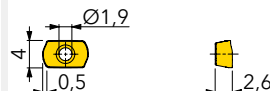
HIPOS® SHOULDER-TYPE FACE MILL 2J1D
FRAISE À SURFACER-DRESSER 2J1D

ADAPTION ACC. TO DIN 8030
 ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
2J1D032R00	32	16	30	32	5,7	8	1,6	✓	0,11
2J1D035R00	35	16	30	35	5,7	9	1,4	✓	0,14
2J1D040R00	40	22	38	40	5,7	10	1,2	✓	0,22

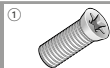
Programming radius 1mm / Programmation - rayon 1mm

AOMT060202R		AOMT060204R		AOMT060208R							
											
AOMT060216R		AOCT060204FR-P		AOMT060202R-DT1							
											
UOMT0602TR											
											
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2035	IN2504	IN2505	IN2530	IN90D		
AOMT060202R	0,06/0,12	positive geometry R0,2 / Géométrie positive R0,2									
AOMT060204R	0,06/0,12	positive geometry R0,4 / Géométrie positive R0,4									
AOMT060208R	0,06/0,12	positive geometry R0,8 / Géométrie positive R0,8									
AOMT060216R ¹⁾	0,06/0,12	positive geometry R1,6 / Géométrie positive R1,6									
AOCT060204FR-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
AOMT060202R-DT1	0,05/0,12	with short PCD-tip R0,2 / avec insert PCD version courte R0,2									
UOMT0602TR	0,30/0,80	high feed geometry / Géométrie grande avance									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



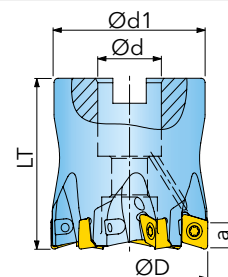
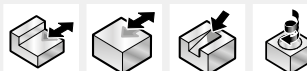
SM18-041-00 (0,5Nm)

TXPLUS06x90-B

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

DIPOS^{DUO} SHOULDER-TYPE FACE MILL TJ1D FRAISE À SURFACER-DRESSER TJ1D

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
TJ1D032R00	32	16	30	32	6	5	3,5	✓	0,12
TJ1D032R01	32	16	30	32	6	4	3,5	✓	0,09
TJ1D040R00	40	16	38	40	6	6	2,6	✓	0,24
TJ1D040R01	40	16	38	40	6	5	2,6	✓	0,24
TJ1D050R00	50	22	45	40	6	7	2,0	✓	0,33
TJ1D050R01	50	22	45	40	6	6	2,0	✓	0,33
TJ1D063R00	63	22	47	40	6	8	1,5	✓	0,47
TJ1D063R01	63	22	47	40	6	7	1,5	✓	0,48

SPARE PARTS
ACCESSOIRES



SM30-068-30 (1,1Nm) TX08x90-B

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

MNHU060304R	
MNHU060304R-PH	
MNHU060308R	
MNHU060308R-PH	
MNHU060312R	
MNHU060312R-PH	
MNHU060316R	
MNHU060316R-PH	
MNHU060320R	
MNHU060320R-PH	
MNCU060304FR-P	
MNCU060308FR-P	
UNHU060320R-HF	

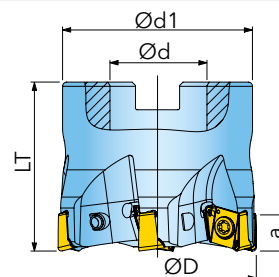
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530	IN6537
MNHU060304R	0,07/0,15	positive geometry R0,4 / Géométrie positive R0,4								
MNHU060304R-PH	0,05/0,10	high-positive geometry R0,4 / Géométrie très positive R0,4								
MNHU060308R	0,07/0,15	positive geometry R0,8 / Géométrie positive R0,8								
MNHU060308R-PH	0,05/0,10	high-positive geometry R0,8 / Géométrie très positive R0,8								
MNHU060312R	0,07/0,15	positive geometry R1,2 / Géométrie positive R1,2								
MNHU060312R-PH	0,05/0,10	high-positive geometry R1,2 / Géométrie très positive R1,2								
MNHU060316R¹⁾	0,07/0,15	positive geometry R1,6 / Géométrie positive R1,6								
MNHU060316R-PH¹⁾	0,05/0,10	high-positive geometry R1,6 / Géométrie très positive R1,6								
MNHU060320R¹⁾	0,07/0,15	positive geometry R2 / Géométrie positive R2								
MNHU060320R-PH¹⁾	0,07/0,15	high positive geometry R2 / Géométrie très positive R2								
MNCU060304FR-P	0,05/0,15	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4								
MNCU060308FR-P	0,05/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8								
UNHU060320R-HF¹⁾	0,20/0,80	positive high feed geometry / Géométrie grande avance positive								

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

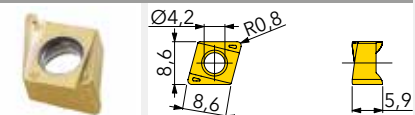
DIPOS^{DUO} SHOULDER-TYPE FACE MILL TJ5F FRAISE À SURFACER-DRESSER TJ5F

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

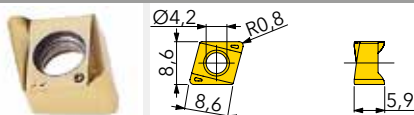


Designation Réf. de l'article	D	d	d1	LT	a	Z		IK	kg
TJ5F040R00	40	16	38	40	8	5	3,7	✓	0,26
TJ5F050R00	50	22	45	40	8	6	2,8	✓	0,37
TJ5F063R00	63	22	55	40	8	7	2,1	✓	0,62
TJ5F080R00	80	27	70	50	8	9	1,6	✓	1,30

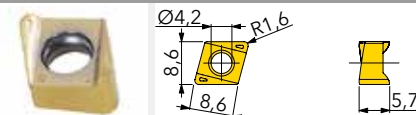
MNHU090408R-M



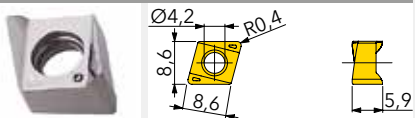
MNHU090408R-ML



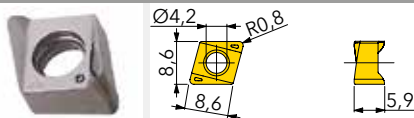
MNHU090416R-M



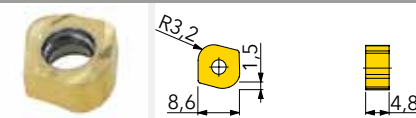
MNCU090404FR-AL



MNCU090408FR-AL



UNHU090432R-HF



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2504	IN2505	IN2510	IN2530	IN6537		
MNHU090408R-M	0,07/0,15	positive geometry R0,8 / Géométrie positive R0,8									
MNHU090408R-ML	0,07/0,15	high-positive geometry R0,8 / Géométrie très positive R0,8									
MNHU090416R-M	0,07/0,15	positive geometry R1,6 / Géométrie positive R1,6									
MNCU090404FR-AL	0,05/0,35	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
MNCU090408FR-AL	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
UNHU090432R-HF ¹⁾	0,20/1,00	positive high feed geometry / Géométrie grande avance positive									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

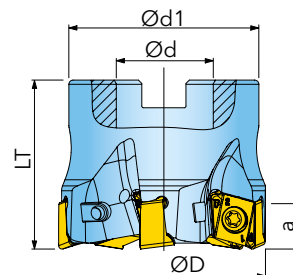


SM35-088-10 (3,0Nm) TX10x90-B

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

DIPOS^{DUO} SHOULDER-TYPE FACE MILL TJ_G FRAISE À SURFACER-DRESSER TJ_G

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
TJ5G040R00 ¹⁾	40	16	38	40	10,5	4	5,0	✓	0,26
TJ6G050R00	50	22	45	40	10,5	4	3,8	✓	0,35
TJ5G050R00 ¹⁾	50	22	45	40	10,5	5	3,8	✓	0,37
TJ6G063R00	63	22	55	40	10,5	4	2,9	✓	0,57
TJ5G063R00 ¹⁾	63	22	55	40	10,5	6	2,9	✓	0,62
TJ6G080R00	80	27	70	50	10,5	4	2,2	✓	1,17
TJ5G080R00 ¹⁾	80	27	70	50	10,5	8	2,2	✓	1,25
TJ6G100R00	100	32	85	50	10,5	6	1,7	✓	1,99
TJ5G100R00 ¹⁾	100	32	85	50	10,5	10	1,7	✓	2,12

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

MNHU110608R-M			MNHU110608PNR-M			MNCU110608FR-AL		
UNHU110640R-HF								
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6537
MNHU110608R-M	0,09/0,18	positive Geometry R0,8 / Géométrie positive R0,8						
MNHU110608PNR-M	0,09/0,18	positive wiper insert R0,8 / Géométrie wiper positive R0,8						
MNCU110608FR-AL	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8						
UNHU110640R-HF ¹⁾	0,30/1,20	positive high feed geometry / Géométrie grande avance						

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



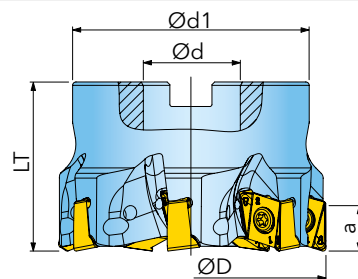
SM40-100-10 (4,5Nm)

TX15x90-B

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

DIPOS^{DUO} SHOULDER-TYPE FACE MILL TJ_J FRAISE À SURFACER-DRESSER TJ_J

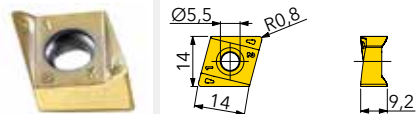
ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



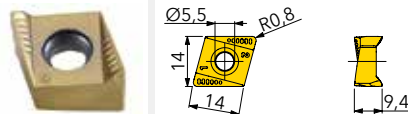
Designation Réf. de l'article	D	d	d1	LT	a	Z			
TJ5J050R00 ¹⁾	50	22	45	45	13,8	4	5,4	✓	0,41
TJ6J063R00	63	22	55	45	13,8	4	3,9	✓	0,66
TJ5J063R00 ¹⁾	63	22	55	45	13,8	6	3,9	✓	0,71
TJ6J080R00	80	27	70	50	13,8	5	2,9	✓	1,21
TJ5J080R00 ¹⁾	80	27	70	50	13,8	7	2,9	✓	1,30
TJ6J100R00	100	32	85	55	13,8	6	2,2	✓	2,11
TJ5J100R00 ¹⁾	100	32	85	55	13,8	9	2,2	✓	2,19
TJ6J125R00	125	40	100	63	13,8	7	1,7	✓	3,74
TJ5J125R00 ¹⁾	125	40	100	63	13,8	11	1,7	✓	3,86

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

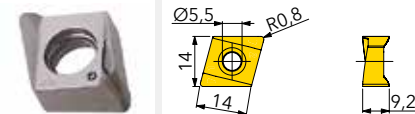
MNHU140708R-M



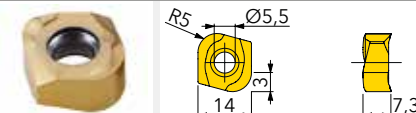
MNHU140708PNR-M



MNCU140708FR-AL



UNHU140750R-HF



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2505	IN2510	IN2530	IN6537			
MNHU140708R-M	0,09/0,18	positive Geometry R0,8 / Géométrie positive R0,8									
MNHU140708PNR-M	0,09/0,18	positive wiper insert R0,8 / Géométrie wiper positive R0,8									
MNCU140708FR-AL	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
UNHU140750R-HF ¹⁾	0,30/1,50	positive high feed geometry / Géométrie grande avance									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



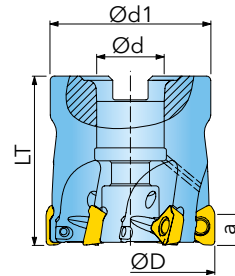
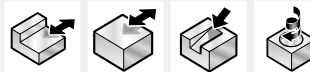
SM50-127-10 (6,0Nm)

TX20x90-B

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

HIPOSTRIO SHOULDER-TYPE FACE MILL KJ_D FRAISE À SURFACER-DRESSER KJ_D

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
KJ5D035R00 ¹⁾	35	16	30	40	7	5	1,6	✓	0,11
KJ6D040R00	40	16	38	40	7	4	1,3	✓	0,22
KJ5D040R00 ¹⁾	40	16	38	40	7	6	1,3	✓	0,30
KJ6D050R00	50	22	45	40	7	5	1,0	✓	0,30
KJ5D050R00 ¹⁾	50	22	45	40	7	7	1,0	✓	0,40
KJ6D063R00	63	22	47	40	7	7	0,8	✓	0,46
KJ5D063R00 ¹⁾	63	22	47	40	7	9	0,8	✓	0,50

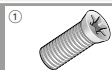
¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

THLS060404R		THLS060404R-HR		THLS060408R	
THLS060408R-HR		THES060408R		THLS060416R	
THES060404FR-P		THES060408FR-P			

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530		
THLS060404R	0,08/0,12	positive geometry R0,4 / Géométrie positive R0,4									
THLS060404R-HR	0,08/0,12	high positive geometry R0,4 / Géométrie très positive R0,4									
THLS060408R	0,08/0,12	positive geometry R0,8 / Géométrie positive R0,8									
THLS060408R-HR	0,08/0,12	high positive geometry R0,8 / Géométrie très positive R0,8									
THES060408R	0,08/0,12	positive geometry, ground R0,8 / Géométrie positive affûtée R0,8									
THLS060416R	0,08/0,12	positive geometry R1,6 / Géométrie positive R1,6									
THES060404FR-P	0,05/0,30	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
THES060408FR-P	0,05/0,30	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

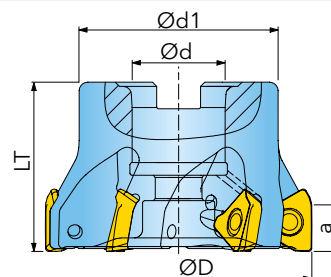


SM25-065-R0 (1,1Nm) TX08x90-B

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

HIPOSTRIO SHOULDER-TYPE FACE MILL KJ_G FRAISE À SURFACER-DRESSER KJ_G

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
KJ6G050R00	50	22	45	40	11	4	1,5	✓	0,27
KJ5G050R00 ¹⁾	50	22	45	40	11	5	1,5	✓	0,30
KJ6G063R00	63	22	47	40	11	4	1,1	✓	0,40
KJ5G063R00 ¹⁾	63	22	47	40	11	6	1,1	✓	0,50
KJ6G080R00	80	27	58	50	11	6	0,8	✓	0,91
KJ5G080R00 ¹⁾	80	27	58	50	11	8	0,8	✓	1,00
KJ6G100R00	100	32	85	50	11	8	0,6	✓	1,78
KJ5G100R00 ¹⁾	100	32	85	50	11	10	0,6	✓	1,90
KJ6G125R00	125	40	85	63	11	9	0,5	✓	2,77
KJ5G125R00 ¹⁾	125	40	85	63	11	12	0,5	✓	3,10

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

THES100504R 	THLS100508R 	THLS100508R-HR
THES100508R 	THLS100516R 	THES100516R
THLS100524R 	THES100504FR-P 	THES100508FR-P

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530		
THES100504R	0,10/0,20	positive geometry, ground R0,4 / Géométrie positive affûtée R0,4									
THLS100508R	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8									
THLS100508R-HR	0,08/0,20	high positive geometry R0,8 / Géométrie très positive R0,8									
THES100508R	0,10/0,20	positive geometry, ground R0,8 / Géométrie positive affûtée R0,8									
THLS100516R	0,10/0,20	positive geometry R1,6 / Géométrie positive R1,6									
THES100516R	0,10/0,20	positive geometry, ground R1,6 / Géométrie positive affûtée R1,6									
THLS100524R	0,10/0,20	positive geometry R2,4 / Géométrie positive R2,4									
THES100504FR-P	0,05/0,35	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
THES100508FR-P	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

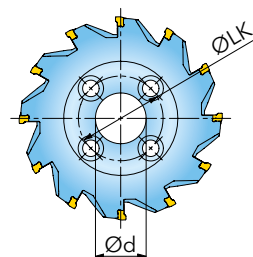
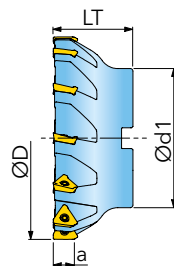
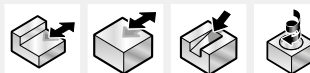
SPARE PARTS ACCESSOIRES	①	②
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SM40-100-R0 (4,5Nm) TX15x90-B

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

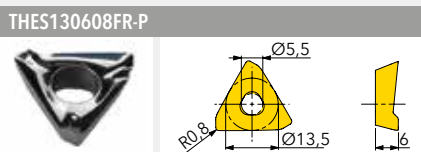
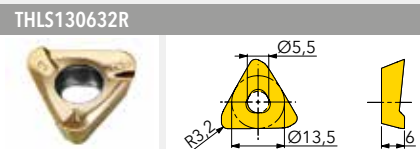
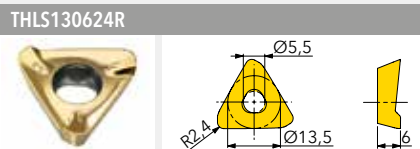
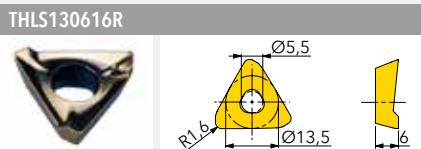
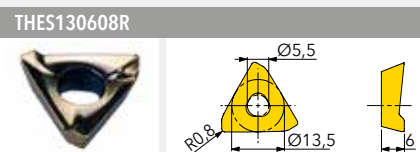
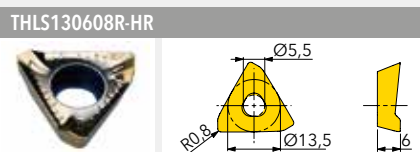
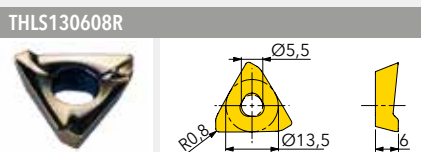
HIPOSTRIO SHOULDER-TYPE FACE MILL KJ_P FRAISE À SURFACER-DRESSER KJ_P

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	LK	a	Z			
KJ6P063R00	63	22	47	40	-	15	4	1,7	✓	0,40
KJ5P063R00 ¹⁾	63	22	47	40	-	15	6	1,7	✓	0,93
KJ6P080R00	80	27	58	50	-	15	5	1,3	✓	0,89
KJ5P080R00 ¹⁾	80	27	58	50	-	15	7	1,3	✓	0,95
KJ6P100R00	100	32	85	50	-	15	6	1,0	✓	1,71
KJ5P100R00 ¹⁾	100	32	85	50	-	15	8	1,0	✓	2,56
KJ6P125R00	125	40	85	63	-	15	8	0,8	✓	2,86
KJ5P125R00 ¹⁾	125	40	85	63	-	15	10	0,8	✓	3,10
KJ6P160R00	160	40	110	63	66,7	15	9	0,6		3,91
KJ5P160R00 ¹⁾	160	40	110	63	66,7	15	12	0,6		4,33

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2530			
THLS130608R	0,10/0,25	positive geometry R0,8 / Géométrie positive R0,8									
THLS130608R-HR	0,08/0,25	high positive geometry R0,8 / Géométrie très positive R0,8									
THES130608R	0,10/0,25	positive geometry, ground R0,8 / Géométrie positive affûtée R0,8									
THLS130616R	0,10/0,25	positive geometry R1,6 / Géométrie positive R1,6									
THLS130624R	0,10/0,25	positive geometry R2,4 / Géométrie positive R2,4									
THLS130632R	0,10/0,25	positive geometry R3,2 / Géométrie positive R3,2									
THES130608FR-P	0,05/0,40	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H



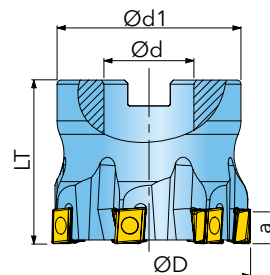
SM45-120-R0 (5,0Nm) TX20x90-B

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

EVOTECMAX SHOULDER-TYPE FACE MILL SJ_Y

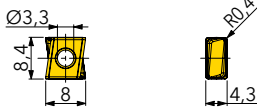
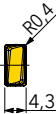
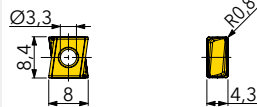
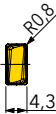
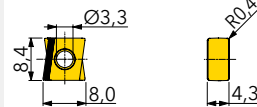
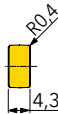
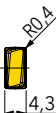
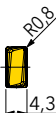
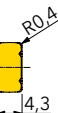
FRAISE À SURFACER-DRESSER SJ_Y

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
SJ6Y032R00	32	16	30	32	7,5	3	0,3	✓	0,09
SJ5Y032R00 ¹⁾	32	16	30	32	7,5	5	0,3	✓	0,10
SJ6Y040R00	40	22	38	40	7,5	4	0,3	✓	0,19
SJ5Y040R00 ¹⁾	40	22	38	40	7,5	6	0,3	✓	0,35
SJ6Y050R00	50	22	45	40	7,5	5	0,2	✓	0,33
SJ5Y050R00 ¹⁾	50	22	45	40	7,5	7	0,2	✓	0,35
SJ6Y063R00	63	22	55	40	7,5	6	0,2	✓	0,53
SJ5Y063R00 ¹⁾	63	22	55	40	7,5	9	0,2	✓	0,54
SJ6Y080R00	80	27	70	50	7,5	7	0,1	✓	1,22
SJ5Y080R00 ¹⁾	80	27	70	50	7,5	11	0,1	✓	1,25

¹⁾Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

DGM212R100			DGM212R101			DGM212R110					
											
DGD212R100-W			DGD212R101-W			ZGM212R101					
											
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2004	IN2505	IN2530	IN4030	IN90D			
DGM212R100	0,10/0,15	positive geometry R0,4 / Géométrie positive R 0,4									
DGM212R101	0,10/0,15	positive geometry R0,8 / Géométrie positive R 0,8									
DGM212R110	0,05/0,20	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
DGD212R100-W	0,10/0,18	positive wiper geometry R0,4 / Géométrie wiper positive R0,4									
DGD212R101-W	0,10/0,18	positive wiper geometry R0,8 / géométrie wiper positive R0,8									
ZGM212R101	0,05/0,15	chipbreaker geometry R0,8 / Géométrie avec brise-copeaux R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

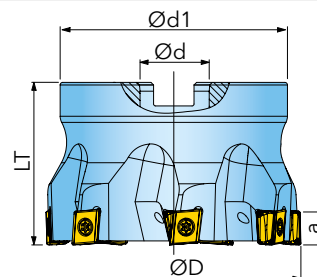


SM30-082-20 (2,0Nm)

TXPLUS08x90-B

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

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



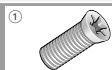
Designation Réf. de l'article	D	d	d1	LT	κ	a	Z	IK	kg
EJ6E040R00	40	16	38	40	90	9,7	4	✓	0,26
EJ5E040R00 ¹⁾	40	16	38	40	90	9,7	5	✓	0,27
EJ6E050R00	50	22	45	40	90	9,7	5	✓	0,37
EJ5E050R00 ¹⁾	50	22	45	40	90	9,7	6	✓	0,38
EJ6E063R00	63	22	55	40	90	9,7	6	✓	0,60
EJ5E063R00 ¹⁾	63	22	55	40	90	9,7	8	✓	0,63
EJ6E080R00	80	27	70	50	90	9,7	7	✓	1,28
EJ5E080R00 ¹⁾	80	27	70	50	90	9,7	10	✓	1,35
EJ6E100R00	100	32	80	50	90	9,7	9	✓	1,93
EJ5E100R00 ¹⁾	100	32	80	50	90	9,7	13	✓	2,02
EJ6E125R00	125	40	100	63	90	9,7	11	✓	3,88
EJ5E125R00 ¹⁾	125	40	100	63	90	9,7	16	✓	4,04

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

DGM313R300			DGM313R301			DGM313R302		
DGM313R303								
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN4015	IN4030		
DGM313R300	0,10/0,20	positive geometry R0,4 / Géométrie positive R0,4						
DGM313R301	0,10/0,20	positive geometry R0,8 / Géométrie positive R0,8						
DGM313R302	0,10/0,20	positive geometry R1,2 / Géométrie positive R1,2						
DGM313R303	0,10/0,20	positive geometry R1,6 / Géométrie positive R1,6						

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

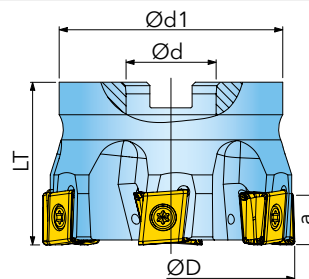


SM35-107-H0 (3,0Nm) TX15x90-B

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

EVOTECMAX SHOULDER-TYPE FACE MILL EJ_J FRAISE À SURFACER-DRESSER EJ_J

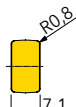
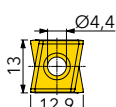
ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



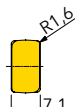
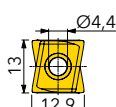
Designation Réf. de l'article	D	d	d1	LT	κ	a	Z	IK	kg
EJ6J050R00	50	22	45	40	90	12	5	✓	0,38
EJ5J050R00	50	22	45	40	90	12	6	✓	0,39
EJ6J063R00	63	22	55	40	90	12	6	✓	0,63
EJ5J063R00 ¹⁾	63	22	55	40	90	12	8	✓	0,65
EJ6J080R00	80	27	70	50	90	12	7	✓	1,35
EJ5J080R00 ¹⁾	80	27	70	50	90	12	10	✓	1,37

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

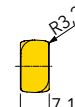
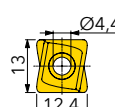
DGM324R300



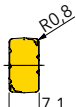
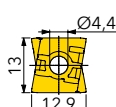
DGM324R301



DGM324R302



ZGM324R300



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN4015	IN4030	IN4040				
DGM324R300	0,10/0,25	positive geometry R0,8 / Géométrie positive R0,8									
DGM324R301	0,10/0,25	positive geometry R1,6 / Géométrie positive R1,6									
DGM324R302	0,10/0,25	positive geometry R3,2 / Géométrie positive R3,2									
ZGM324R300	0,10/0,25	chipbreaker geometry R0,8 / Géométrie avec brise-copeaux R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

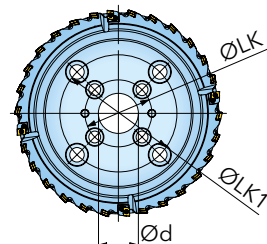
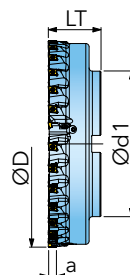
SPARE PARTS
ACCESSOIRES



SM40-143-H0 (4,5Nm) TX15x90-B

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

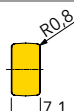
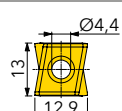
ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



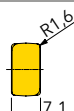
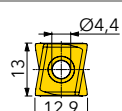
Designation Réf. de l'article	D	d	d1	LT	LK	LK1	κ	a	Z	Zeff	Zs	kg
EF2J100R00	100	32	80	50	-	-	90	12	10	10	2	1,70
EF2J125R00	125	40	100	63	-	-	90	12	12	12	2	3,75
EF2J160R00	160	40	130	63	66,7	-	90	12	15	15	3	5,20
EF2J200R00	200	60	160	63	101,6	-	90	12	18	18	3	8,07
EF2J250R00	250	60	221	63	101,6	-	90	12	24	24	4	13,20

Cutter is supplied with cartridge 56B183R01. / Fraise livrée avec cartouche 56B183R01.

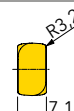
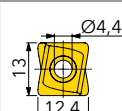
DGM324R300



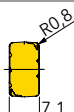
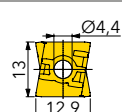
DGM324R301



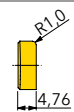
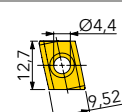
DGM324R302



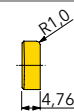
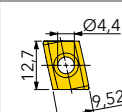
ZGM324R300



YDA323L101



YDA323L114



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN0560	IN2010	IN2040	IN2505	IN4015	IN4030	IN4040
DGM324R300	0,10/0,25	positive geometry R0,8 / Géométrie positive R0,8									
DGM324R301	0,10/0,25	positive geometry R1,6 / Géométrie positive R1,6									
DGM324R302	0,10/0,25	positive geometry R3,2 / Géométrie positive R3,2									
ZGM324R300	0,10/0,25	chipbreaker geometry R0,8 / Géométrie avec brise-copeaux R0,8									
YDA323L101	fu 1/fu 10	wiper finishing edge R1,0 / Plaque racleuse R1,0									
YDA323L114	fu 1/fu 5	short wiper finishing edge R1,0 / Plaque avec Wiper court R1,0									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



SM40-143-H0 (4,5Nm)

SM40-110-00 (4,5Nm)

TX15x90-B

56B183R01

5EJ183R00

KR012-002

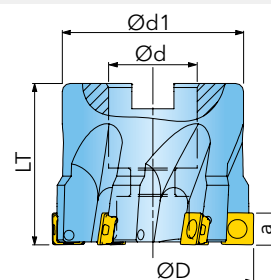
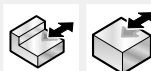
SB060-01

① = Insert screw / Vis de serrage plaque ② = Insert screw / Vis de serrage ③ = Torx-Bit / Embout torx ④ = Cartridge for YDA323... / Cartouche pour YDA323...
⑤ = Cartridge for DGM324R3... / Cartouche DGM324R3... ⑥ = Circular wedge / Butée ⑦ = Differential screw / Vis à pas différentiel

HIPOSQUAD SHOULDER-TYPE FACE MILL 5J1E

FRAISE À SURFACER-DRESSER 5J1E

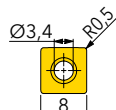
ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



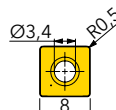
Designation Réf. de l'article	D	d	d1	LT	a	Z		kg
5J1E040R00	40	22	38	40	7,5	5	1,5	0,21
5J1E050R00	50	22	45	40	7,5	6	1,2	0,34
5J1E063R00	63	22	55	40	7,5	5	1,0	0,56
5J1E063R01 ¹⁾	63	22	55	40	7,5	7	1,0	0,59
5J1E080R00	80	27	70	50	7,5	7	0,5	1,26

¹⁾Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

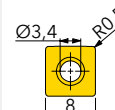
SDMT080305N



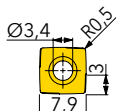
SDMW080305TN



SDCT080305FN-P



SDMW080305TN-W



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2505	IN4030					
SDMT080305N	0,13/0,17	positive geometry R0,5 / Géométrie positive R0,5									
SDMW080305TN	0,13/0,20	neutral geometry, K-land R0,5 / Géo. neutre avec chan. d'arête R0,5									
SDCT080305FN-P	0,05/0,20	non-ferrous geometry, polished R0,5 / Géo. pour mat. non fer., polie R0,5									
SDMW080305TN-W	0,13/0,20	wiper insert R0,5 / Plaquette racleuse R0,5									

● = P ● = M ● = K ● = N ● = S ○ = H

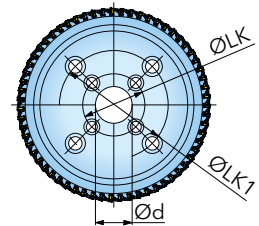
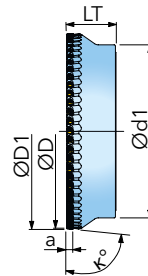
SPARE PARTS ACCESSOIRES



SM30-065-00 (2,0Nm) TX09x90-B

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

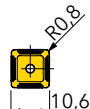
ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



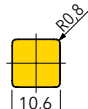
Designation Réf. de l'article	D	D1	d	d1	LT	LK	LK1	κ	a	Z	IK	kg
DK1G040R00	40	41,4	16	30	40	-	-	85,5	8,3	6	✓	0,27
DK1G050R00	50	51,4	22	45	40	-	-	85,5	8,3	8	✓	0,45
DK1G063R00	63	64,4	22	47	40	-	-	85,5	8,3	11	✓	0,60
DK1G080R00	80	81,4	27	58	50	-	-	85,5	8,3	15	✓	1,35

for using internal coolant mount the locking wedge 2M0408R01. / Pour utiliser l'arrosage interne, veuillez utiliser le coin de serrage 2M0408R01.

SNCG11T308TN-HR



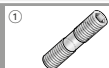
SNCN11T308TN



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2504	IN4005	IN4030	IN70N					
SNCG11T308TN-HR	0,10/0,25	positive geometry R0,8 / Géométrie positive R0,8										
SNCN11T308TN	0,15/0,25	neutral geometry silicon nitride / Géométrie neutre céramique										

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



SB040-03 (2,0Nm)

TX09x90-B

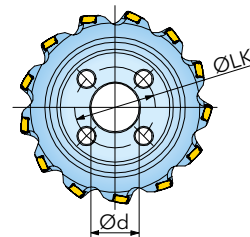
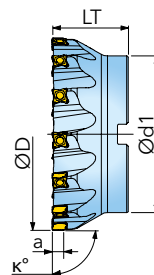
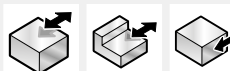
2M0408R02

① = Differential screw / Vis à pas différentiel ② = Torx-Bit / Embout torx ③ = Locking wedge / Coin de serrage

GOLDMAX[®] SHOULDER-TYPE FACE MILL VJ_K

FRAISE À SURFACER-DRESSER VJ_K

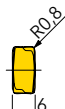
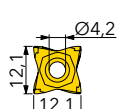
ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	LK	κ	a	Z	IK	kg
VJ5K050R00 ¹⁾	50	22	45	40	-	90	8,7	6	✓	0,39
VJ6K050R00	50	22	45	40	-	90	8,7	5	✓	0,37
VJ5K063R00 ¹⁾	63	22	55	40	-	90	8,7	8	✓	0,65
VJ6K063R00	63	22	55	40	-	90	8,7	6	✓	0,63
VJ5K080R00 ¹⁾	80	27	70	50	-	90	8,7	10	✓	1,31
VJ6K080R00	80	27	70	50	-	90	8,7	8	✓	1,28

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

SGM-44R001



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2530	IN4005	IN4030				
SGM-44R001	0,10/0,25	positive geometry R0,8 / Géométrie positive R0,8									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

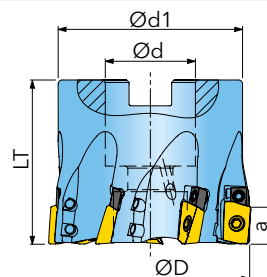
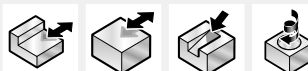


SM40-120-20 (4,5Nm) TX15x90-B

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

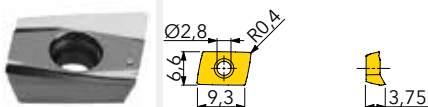
HIPOS⁺ ADJUSTABLE SHOULDER-TYPE FACE MILL 2J5P **FRAISE A SURFACER-DRESSER RÉGLABLE 2J5P**

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

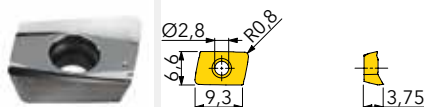


Designation Réf. de l'article	D	d	d1	LT	a	Z	IK	kg
2J5P032R00	32	16	30	32	9	5	✓	0,09
2J5P040R00	40	16	30	40	9	6	✓	0,16
2J5P050R00	50	22	45	40	9	7	✓	0,32
2J5P063R00	63	22	55	40	9	8	✓	0,56
2J5P080R00	80	27	70	50	9	10	✓	1,30

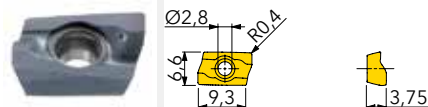
BOCT09T304FR-P



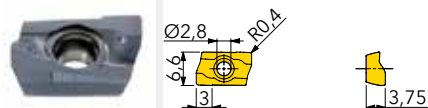
BOCT09T308FR-P



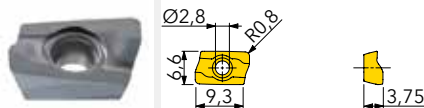
BODT09T304R



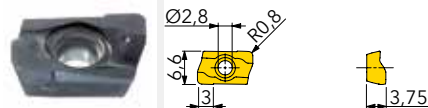
BODT09T304R-001



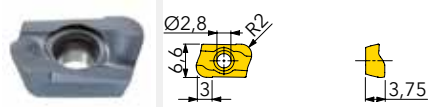
BODT09T308R



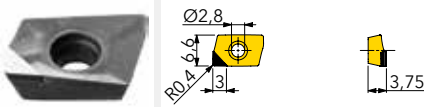
BODT09T308R-001



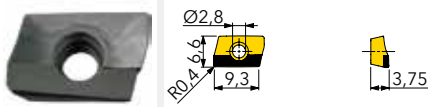
BODT09T320R-001



BOMT09T304R-DT1



BOMT09T304R-DT2



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2504	IN90D					
BOCT09T304FR-P	0,05/0,20	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4	●								
BOCT09T308FR-P	0,05/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8	●								
BODT09T304R	0,05/0,15	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT09T304R-001	0,05/0,15	finishing geometry, short R0,4 / Géométrie de finition, courte R0,4									
BODT09T308R	0,05/0,15	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
BODT09T308R-001	0,05/0,15	finishing geometry, short R0,8 / Géométrie de finition, courte R0,8									
BODT09T320R-001	0,05/0,15	finishing geometry, short R2,0 / Géométrie de finition, courte R2,0									
BOMT09T304R-DT1	0,05/0,20	with short PCD-tip R0,4 / avec insert PCD version courte R0,4									
BOMT09T304R-DT2	0,05/0,20	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



SM25-064-00 (1,1Nm)

TX08x90-B

PAR5092

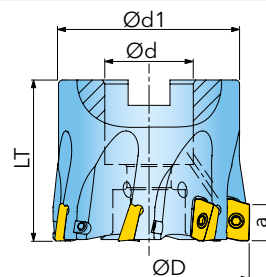
SB025-00

DST05F

① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx ③ = Wedge / Cale de réglage ④ = Differential screw / Vis à pas différentiel ⑤ = Screw driver / Tournevis

HIPOS⁺ SHOULDER-TYPE FACE MILL 2J1P **FRAISE À SURFACER-DRESSER 2J1P**

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



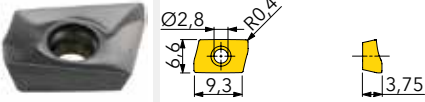
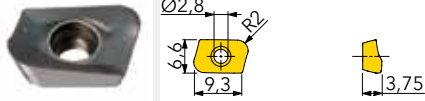
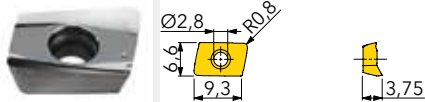
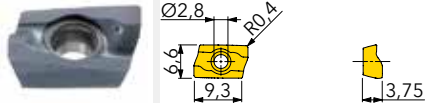
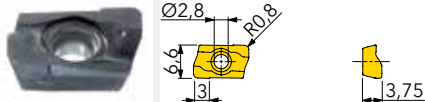
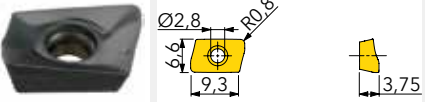
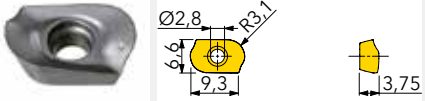
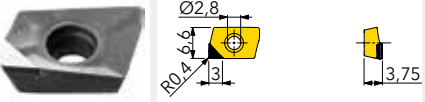
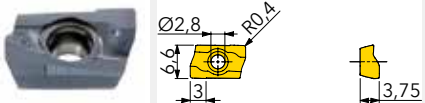
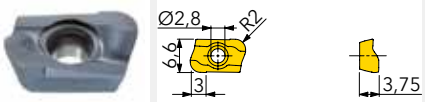
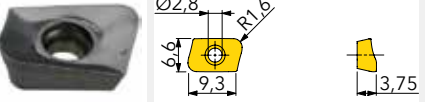
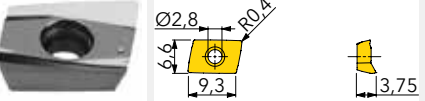
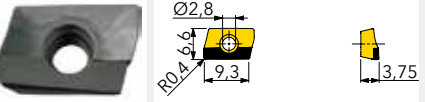
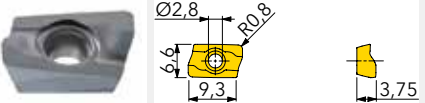
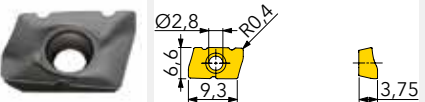
Designation Réf. de l'article	D	d	d1	LT	a	Z			
2J1P032R01	32	16	30	32	9	4	2,8	✓	0,09
2J1P032R00	32	16	30	32	9	5	2,8	✓	0,09
2J1P035R00	35	16	30	32	9	6	2,5	✓	0,10
2J1P040R01	40	16	30	40	9	4	2,4	✓	0,15
2J1P040R00	40	16	30	40	9	6	2,4	✓	0,16
2J1P050R01	50	22	45	40	9	4	1,3	✓	0,32
2J1P050R02	50	22	45	40	9	6	1,3	✓	0,32
2J1P050R00	50	22	45	40	9	7	1,3	✓	0,32
2J1P063R01	63	22	55	40	9	6	1,0	✓	0,55
2J1P063R00	63	22	55	40	9	8	1,0	✓	0,55
2J1P080R00	80	27	70	50	9	10	0,6	✓	1,25
2J1P100R00	100	32	85	50	9	12	0,5	✓	1,95

SPARE PARTS
ACCESSOIRES



SM25-064-00 (1,1Nm) TX08x90-B

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

BOMT09T304R	
BOMT09T320R	
BOCT09T308FR-P	
BODT09T304R	
BODT09T308R-001	
BOMT09T308R	
BOMT09T331R	
BOMT09T304R-DT1	
BODT09T304R-001	
BODT09T320R-001	
BOMT09T316R	
BOCT09T304FR-P	
BOMT09T304R-DT2	
BODT09T308R	
ZOMT09T304R	

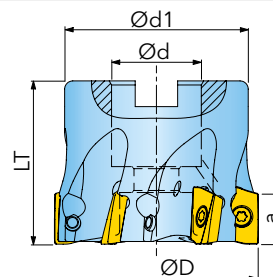
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT09T304R	0,10/0,15	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT09T308R	0,10/0,15	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT09T316R ¹⁾	0,10/0,15	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT09T320R ¹⁾	0,10/0,15	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT09T331R ¹⁾	0,10/0,15	positive geometry R3,1 / Géométrie positive R 3,1									
BOCT09T304FR-P	0,05/0,20	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT09T308FR-P	0,05/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT09T304R-DT1	0,05/0,20	with short PCD-tip R0,4 / avec insert PCD version courte R0,4									
BOMT09T304R-DT2	0,05/0,20	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT09T304R	0,05/0,15	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT09T304R-001	0,05/0,15	finishing geometry, short R0,4 / Géométrie de finition, courte R0,4									
BODT09T308R	0,05/0,15	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
BODT09T308R-001	0,05/0,15	finishing geometry, short R0,8 / Géométrie de finition, courte R0,8									
BODT09T320R-001	0,05/0,15	finishing geometry, short R2,0 / Géométrie de finition, courte R2,0									
ZOMT09T304R ²⁾	0,10/0,15	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

HIPOS⁺ SHOULDER-TYPE FACE MILL 2J1R **FRAISE À SURFACER-DRESSER 2J1R**

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
2J1R035R00	35	16	30	35	12	4	4,2	✓	0,10
2J1R040R02	40	16	38	40	12	4	3,2	✓	0,22
2J1R040R00	40	16	38	40	12	5	3,2	✓	0,21
2J1R040R03	40	22	38	40	12	4	3,2	✓	0,18
2J1R040R01	40	22	38	40	12	5	3,2	✓	0,18
2J1R050R01	50	22	45	40	12	4	2,1	✓	0,29
2J1R050R00	50	22	45	40	12	6	2,1	✓	0,30
2J1R052R00	52	22	40	50	12	5	2,0	✓	0,37
2J1R063R01	63	22	55	40	12	6	1,4	✓	0,54
2J1R063R00	63	22	55	40	12	7	1,4	✓	0,54
2J1R066R00	66	27	48	50	12	6	1,2	✓	0,60
2J1R080R01	80	27	70	50	12	6	1,0	✓	1,21
2J1R080R00	80	27	70	50	12	9	1,0	✓	1,20
2J1R085R00	85	27	70	50	12	7	0,9	✓	1,33
2J1R100R01	100	32	85	50	12	8	0,8	✓	1,88
2J1R100R00	100	32	85	50	12	11	0,8	✓	1,89
2J1R125R01	125	40	100	63	12	10	0,6	✓	3,70
2J1R125R00	125	40	100	63	12	13	0,6	✓	3,76

SPARE PARTS
ACCESSOIRES



SM35-088-10 (3,0Nm) TX10x90-B

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

BOMT130404R		BOMT130408R		BOMT130416R	
BOMT130420R		BOMT130424R		BOMT130431R	
BOMT130440R		BOCT130404FR-P		BOCT130408FR-P	
BOMT130404R-DT2		BODT130404R		BODT130404R-001	
BODT130408R		BODT130408R-001		ZOMT130404R	

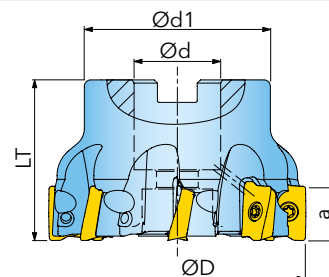
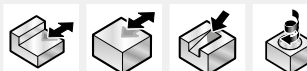
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2036	IN2504	IN2505	IN2530	IN6537	IN90D
BOMT130404R	0,12/0,20	positive geometry R0,4 / Géométrie positive R 0,4									
BOMT130408R	0,12/0,20	positive geometry R0,8 / Géométrie positive R 0,8									
BOMT130416R	0,12/0,20	positive geometry R1,6 / Géométrie positive R 1,6									
BOMT130420R	0,12/0,20	positive geometry R2,0 / Géométrie positive R 2,0									
BOMT130424R¹⁾	0,12/0,20	positive geometry R2,4 / Géométrie positive R 2,4									
BOMT130431R¹⁾	0,12/0,20	positive geometry R3,1 / Géométrie positive R 3,1									
BOMT130440R¹⁾	0,12/0,20	positive geometry R4,0 / Géométrie positive R 4,0									
BOCT130404FR-P	0,05/0,25	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
BOCT130408FR-P	0,05/0,25	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
BOMT130404R-DT2	0,05/0,25	with long PCD-tip R0,4 / avec insert PCD version longue R0,4									
BODT130404R	0,05/0,20	ground finishing geometry R0,4 / Géométrie de finition affûtée R0,4									
BODT130404R-001	0,05/0,20	finishing geometry, short R0,4 / Géométrie de finition, courte R0,4									
BODT130408R	0,05/0,20	ground finishing geometry R0,8 / Géométrie de finition affûtée R0,8									
BODT130408R-001	0,05/0,20	finishing geometry, short R0,8 / Géométrie de finition, courte R0,8									
ZOMT130404R²⁾	0,12/0,20	chip splitter geometry R0,4 / Géométrie avec brise-copeaux R0,4									

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

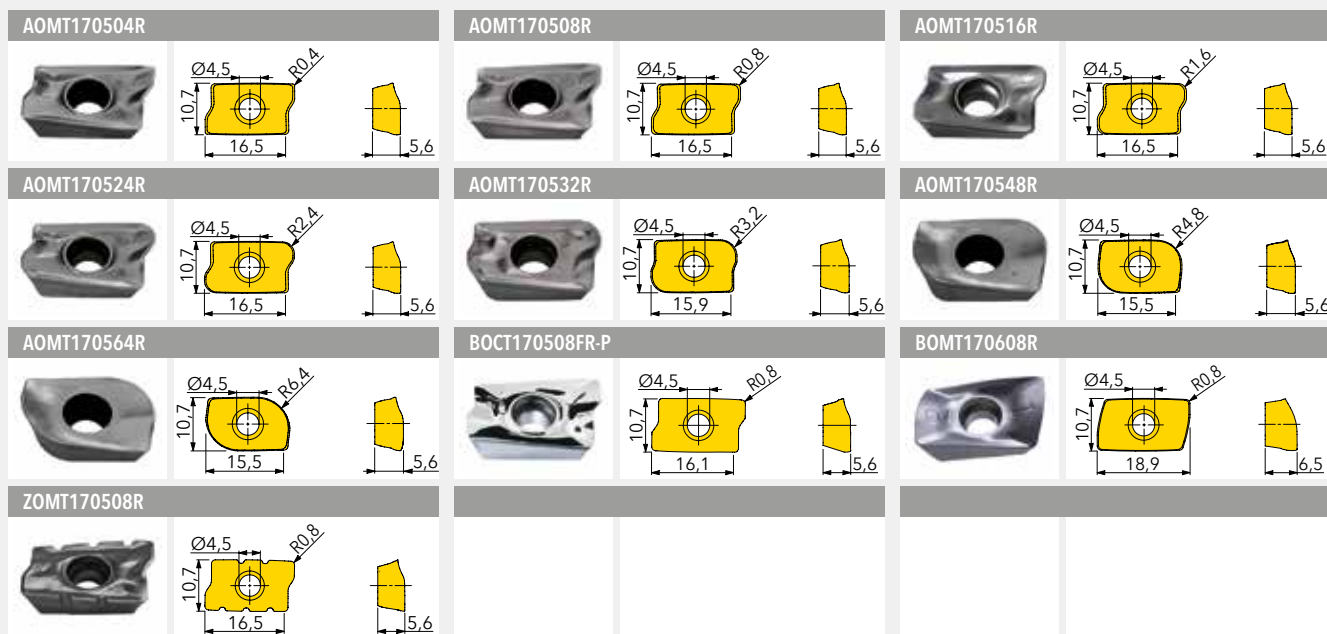
HIPOS⁺ SHOULDER-TYPE FACE MILL 2J1G **FRAISE À SURFACER-DRESSER 2J1G**

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
2J1G040R00	40	16	30	40	16	3	5,0	✓	0,15
2J1G050R00	50	22	45	40	16	4	4,4	✓	0,23
2J1G050R01 ¹⁾	50	22	45	40	16	5	4,4	✓	0,40
2J1G063R00	63	22	55	40	16	5	3,2	✓	0,59
2J1G063R01 ¹⁾	63	22	55	40	16	6	3,2	✓	0,52
2J1G080R00	80	27	70	50	16	6	2,3	✓	1,12
2J1G080R01 ¹⁾	80	27	70	50	16	8	2,3	✓	1,12
2J1G100R00	100	32	85	50	16	6	1,8	✓	1,92
2J1G100R01 ¹⁾	100	32	85	50	16	9	1,8	✓	1,80
2J1G125R00	125	40	100	63	16	7	1,4		3,48
2J1G160R00	160	40	100	63	16	8	0,7		5,30

¹⁾Narrow spacing

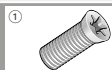


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN2510	IN2530	IN6537
AOMT170504R	0,18/0,30	positive geometry R0,4 / Géométrie positive R0,4								
AOMT170508R	0,18/0,30	positive geometry R0,8 / Géométrie positive R0,8								
AOMT170516R	0,18/0,30	positive geometry R1,6 / Géométrie positive R1,6								
AOMT170524R ¹⁾	0,18/0,30	positive geometry R2,4 / Géométrie positive R2,4								
AOMT170532R ¹⁾	0,18/0,30	positive geometry R3,2 / Géométrie positive R3,2								
AOMT170548R ¹⁾	0,18/0,30	positive geometry R4,8 / Géométrie positive R4,8								
AOMT170564R ¹⁾	0,18/0,30	positive geometry R6,4 / Géométrie positive R6,4								
BOCT170508FR-P	0,05/0,30	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8								
BOMT170608R	0,15/0,30	positive geometry R0,8 / Géométrie positive R0,8								
ZOMT170508R ²⁾	0,18/0,30	chip splitter geometry R0,8 / Géométrie avec brise-copeaux R0,8								

¹⁾ Cutter body has to be modified / Modifier le corps de fraise; ²⁾ Best results are achieved on tools with an even number of teeth.
Please mount inserts alternating. / Les meilleurs résultats sont obtenus avec une fraise ayant un nombre de dents pair.
Merci de monter les arêtes de manière alternée.

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



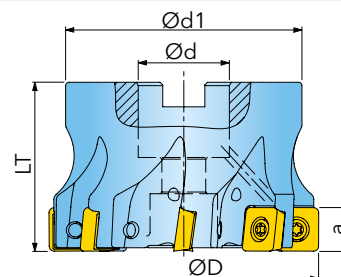
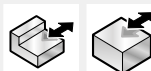
SM40-093-20 (4,5Nm) TX15x90-B

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

GOLDQUAD SHOULDER-TYPE FACE MILL 5J5P

FRAISE À SURFACER-DRESSER 5J5P

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
5J5P050R00	50	22	45	40	11,3	5	3,7	✓	0,30
5J5P063R00	63	22	55	40	11,3	6	2,0	✓	0,48
5J5P080R00	80	27	70	50	11,3	8	1,3	✓	1,06
5J5P100R00	100	32	85	50	11,3	10	1,0	✓	1,70

* fz-values see manual „Cutting Data for Milling & Boring Tools” / * Valeurs fz voir le manuel "Données de coupe de fraisage et perçage" (Chapitre G_Quad)

SDES130515N			SDMS130515R-PH										
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2530	IN4030	IN4035						
SDES130515N	0,20/0,35	neutral geometry, K-land R1,5 / Géo. neutre avec chan. d'arête R1,5											
SDMS130515R-PH	0,10/0,20	positive geometry, chamfered R1,5 / Géométrie positive, renforcée R1,5											

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

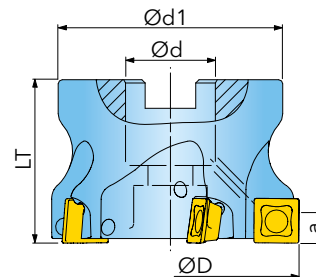
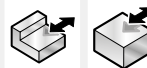


SM40-100-R0 (4,5Nm) TX15x90-B

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

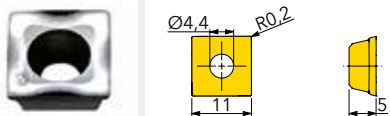
ALUMINATOR SHOULDER-TYPE FACE MILL 5H6G FRAISE À SURFACER-DRESSER 5H6G

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

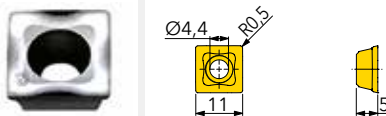


Designation Réf. de l'article	D	d	d1	LT	a	Z			
5H6G050R00	50	22	45	40	8,4	4	2,0	✓	0,24
5H6G063R00	63	22	55	40	8,4	5	1,0	✓	0,45
5H6G080R00	80	27	70	50	8,4	7	0,5	✓	1,08
5H6G100R00	100	32	85	50	8,4	9	0,5	✓	1,72

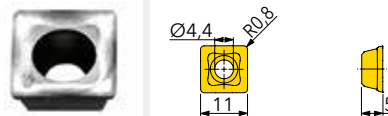
SHET110502FR-P



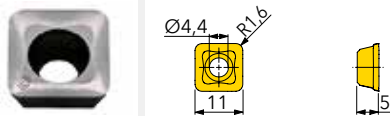
SHET110505FR-P



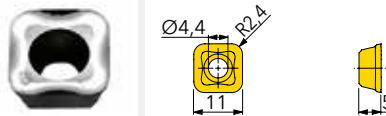
SHET110508FR-P



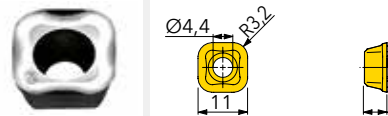
SHET110516FR-P



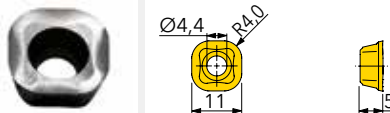
SHET110524FN-P



SHET110532FN-P



SHET110540FN-P



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN15K								
SHET110502FR-P	0,05/0,30	non-ferrous geometry, polished R0,2 / Géo. pour mat. non fer., polie R0,2										
SHET110505FR-P	0,05/0,30	non-ferrous geometry, polished R0,5 / Géo. pour mat. non fer., polie R0,5										
SHET110508FR-P	0,05/0,30	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8										
SHET110516FR-P	0,05/0,30	non-ferrous geometry, polished R1,6 / Géo. pour mat. non fer., polie R1,6										
SHET110524FN-P	0,05/0,30	non-ferrous geometry, polished R2,4 / Géo. pour mat. non fer., polie R2,4										
SHET110532FN-P	0,05/0,30	non-ferrous geometry, polished R3,2 / Géo. pour mat. non fer., polie R3,2										
SHET110540FN-P	0,05/0,30	non-ferrous geometry, polished R4,0 / Géo. pour mat. non fer., polie R4,0										

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

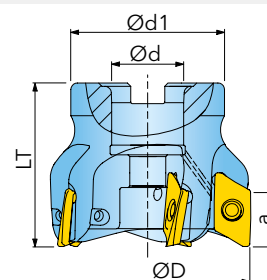
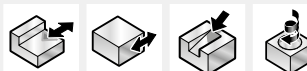


SM40-093-20 (4,5Nm) TX15x90-B

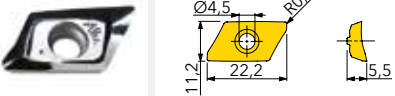
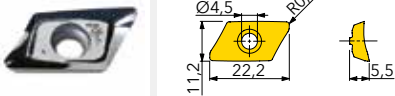
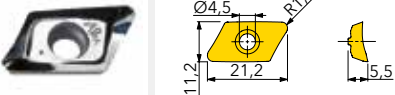
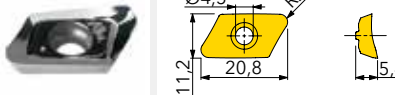
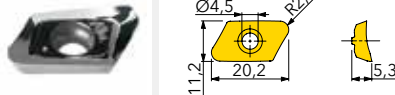
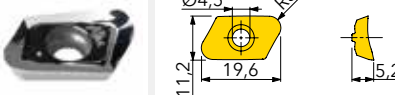
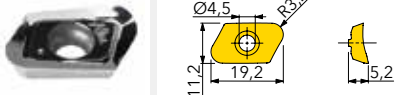
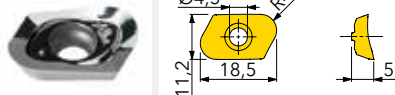
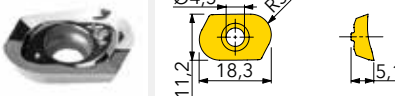
① = Insert screw / Vis de serrage plaquelette ② = Torx-Bit / Embout torx

HIPOSALU SHOULDER-TYPE FACE MILL AX2K FRAISE À SURFACER-DRESSER AX2K

ADAPTION ACC. TO DIN 8030
 ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	a	Z			
AX2K040R00	40	16	38	50	16	3	10	✓	0,21
AX2K050R00	50	22	45	50	16	4	7,5	✓	0,30
AX2K063R00	63	22	47	50	16	5	5,5	✓	0,50
AX2K080R00	80	27	58	50	16	5	4,5	✓	0,82
AX2K100R00	100	32	66	63	16	6	3,3	✓	1,50
AX2K125R00	125	40	85	63	16	7	2,5	✓	2,50

XEVT160504FR-P 	XEVT160508FR-P 	XEVT160512FR-P 
XEVT160516FR-P 	XEVT160520FR-P 	XEVT160524FR-P 
XEVT160530FR-P 	XEVT160532FR-P 	XEVT160540FR-P 
XEVT160550FR-P 		

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K								
XEVT160504FR-P	0,05/0,35	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4	●									
XEVT160508FR-P	0,05/0,35	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8	●									
XEVT160512FR-P	0,05/0,35	non-ferrous geometry, polished R1,2 / Géo. pour mat. non fer., polie R1,2	●									
XEVT160516FR-P	0,05/0,35	non-ferrous geometry, polished R1,6 / Géo. pour mat. non fer., polie R1,6	●									
XEVT160520FR-P	0,05/0,35	non-ferrous geometry, polished R2,0 / Géo. pour mat. non fer., polie R2,0	●									
XEVT160524FR-P	0,05/0,35	non-ferrous geometry, polished R2,4 / Géo. pour mat. non fer., polie R2,4	●									
XEVT160530FR-P	0,05/0,35	non-ferrous geometry, polished R3,0 / Géo. pour mat. non fer., polie R3,0	●									
XEVT160532FR-P	0,05/0,35	non-ferrous geometry, polished R3,2 / Géo. pour mat. non fer., polie R3,2	●									
XEVT160540FR-P¹⁾	0,05/0,35	non-ferrous geometry, polished R4,0 / Géo. pour mat. non fer., polie R4,0	●									
XEVT160550FR-P¹⁾	0,05/0,35	non-ferrous geometry, polished R5,0 / Géo. pour mat. non fer., polie R5,0	●									

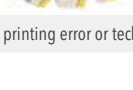
¹⁾ Cutter body has to be modified / Modifier le corps de fraise

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES	① 	② 
	SM40-093-21 (4,5Nm)	TX15x90-B

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

FACE MILLS / FRAISES À SURFACER

	D	a	Description	Code / Série	Page
	30 - 42	0,3	MICROMILL Finish Mill 12F1D...X Fraise de finition 12F1D...X	12F1D...X	134
	50 - 125	0,3	MICROMILL Finish Mill 2F_D Fraise de finition 2F_D	2F_D	135
	160 - 250	0,5	MICROMILL Finish Mill 7F2K Fraise de finition 7F2K	7F2K	136
	40 - 125	3	DIPOSHXHA Face Mill HN_D Fraise à surfacer HN_D	HN_D	137
	63 - 125	5	DIPOSHXHA Face Mill HN_G Fraise à surfacer HN_G	HN_G	138
	40 - 160	3	OCTOPLUS Face Mill ON_H Fraise à surfacer ON_H	ON_H	139
	63 - 160	5	OCTOPLUS Face Mill OP6N Fraise à surfacer OP6N	OP6N	140
	80 - 160	5	OCTOPLUS Face Mill OP5N Fraise à surfacer OP5N	OP5N	141
	33 - 125	3,4	ROTO-MILL Face Mill 5N_H Fraise à surfacer 5N_H	5N_H	142
	50 - 160	4,8	ROTO-MILL Face Mill 5N_L Fraise à surfacer 5N_L	5N_L	143
	16 - 40	3,8	DIPOSDYKA Face Mill 1DM1E...X Fraise à surfacer 1DM1E...X	1DM1E...X	144
	32 - 80	3,8	DIPOSDYKA Face Mill DM_E Fraise à surfacer DM_E	DM_E	145
	40 - 160	4,2	DIPOSQUAD Finish Mill DN_G Fraise à surfacer DN_G	DN_G	146
	50 - 200	6,0	DIPOSQUAD Finish Mill DN_K Fraise à surfacer DN_K	DN_K	147

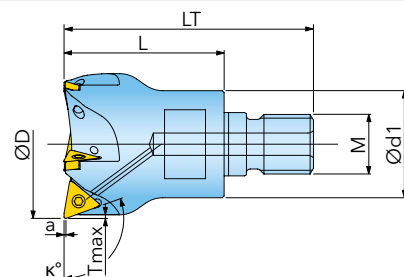
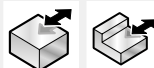
Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

FACE MILLS / FRAISES À SURFACER

[illegible]

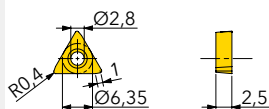
Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ

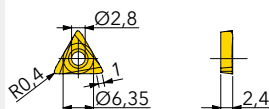


Designation Réf. de l'article	D	d1	LT	L	κ	a	Tmax	M	Z	IK	kg
12F1D030043X8R00	30	29	67	43	110	0,3	0,5	M16	4	✓	0,20
12F1D035043X8R00	35	29	67	43	110	0,3	0,5	M16	4	✓	0,24
12F1D040043X8R00	40	29	67	43	110	0,3	0,5	M16	5	✓	0,27
12F1D042043X8R00	42	29	67	43	110	0,3	0,5	M16	5	✓	0,28

TCHW110204R-W



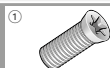
TCHH110204FR-PW



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN04S	IN0560	IN2035	IN2504				
TCHW110204R-W	0,08/0,15	wiper finishing edge R0,4 / Plaquette racleuse R0,4									
TCHH110204FR-PW	0,05/0,15	non-ferrous geometry, polished / Géo. pour mat. non fer., polie									

● = P ● = M ● = K ● = N ● = S ○ = H

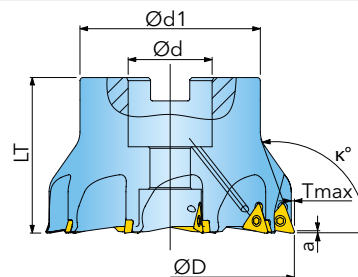
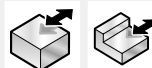
SPARE PARTS
ACCESSOIRES



SM25-064-00 (1,1Nm) TX08x90-B

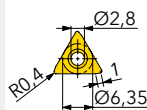
① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

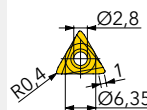


Designation Réf. de l'article	D	d	d1	LT	κ	a	Tmax	Z	IK	kg
2F6D050R00	50	22	45	40	110	0,3	0,5	5	✓	0,35
2F5D050R00	50	22	45	40	110	0,3	0,5	7	✓	0,35
2F6D063R00	63	22	45	40	110	0,3	0,5	6	✓	0,49
2F5D063R00	63	22	45	40	110	0,3	0,5	9	✓	0,50
2F6D080R00	80	27	58	50	110	0,3	0,5	7	✓	1,07
2F5D080R00	80	27	58	50	110	0,3	0,5	10	✓	1,08
2F6D100R00	100	32	85	50	110	0,3	0,5	8	✓	2,03
2F5D100R00	100	32	85	50	110	0,3	0,5	12	✓	2,05
2F6D125R00	125	40	100	63	110	0,3	0,5	10	✓	3,90
2F5D125R00	125	40	100	63	110	0,3	0,5	14	✓	3,86

TCHW110204R-W



TCHH110204FR-PW



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN04S	IN0560	IN2035	IN2504				
TCHW110204R-W	0,08/0,15	wiper finishing edge R0,4 / Plaquette racleuse R0,4									
TCHH110204FR-PW	0,05/0,15	non-ferrous geometry, polished / Géo. pour mat. non fer., polie									

● = P ● = M ● = K ● = N ● = S ○ = H

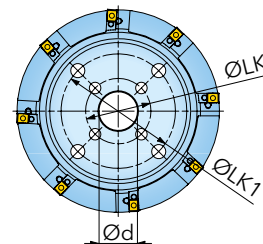
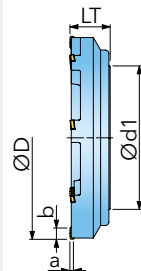
SPARE PARTS
ACCESSOIRES



SM25-064-00 (1,1Nm) TX08x90-B

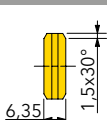
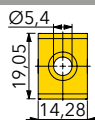
① = Insert screw / Vis de serrage plaquelette ② = Torx-Bit / Embout torx

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	LK	LK1	a	b	Z	kg
7F2K160R00	160	40	130	63	66,7	-	0,5	15	4	5,00
7F2K200R00	200	60	160	63	101,6	-	0,5	15	6	8,00
7F2K250R00	250	60	220	63	101,6	-	0,5	15	6	13,00

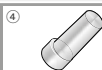
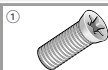
YCE434-001



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN0560	IN2010	IN2040				
YCE434-001	fu 1/fu 10	wiper insert / Plaqueuse radieuse		●	●	●	●				

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



SM50-160-10 (6,0Nm)

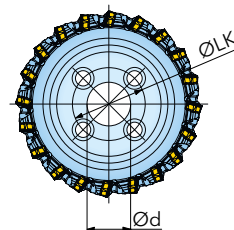
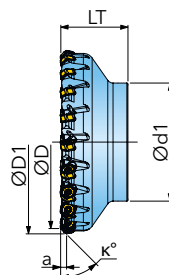
TX20x90-B

SC050-14

PN072-03

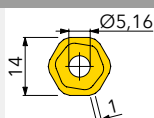
① = Insert screw / Vis de serrage plaqueuse ② = Torx-Bit / Embout torx ③ = Setting screw / Vis de réglage ④ = Eccentric pin / Pion excentrique

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

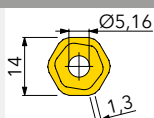


Designation Réf. de l'article	D	D1	d	d1	LT	LK	K°	a	Z	IK	kg
HN6D040R00	40	50,9	16	38	40	-	45	3	4	✓	0,33
HN6D050R00	50	60,9	22	45	40	-	45	3	4	✓	0,45
HN5D050R00	50	60,9	22	45	40	-	45	3	6	✓	0,49
HN6D063R00	63	73,9	22	47	40	-	45	3	5	✓	0,64
HN5D063R00	63	73,9	22	47	40	-	45	3	7	✓	0,70
HN6D080R00	80	90,9	27	70	50	-	45	3	6	✓	1,46
HN5D080R00	80	90,9	27	70	50	-	45	3	10	✓	1,57
HN6D100R00	100	110,9	32	85	55	-	45	3	7	✓	2,50
HN5D100R00	100	110,9	32	85	55	-	45	3	12	✓	2,65
HN6D125R00	125	135,9	40	85	63	-	45	3	10	✓	3,94
HN5D125R00	125	135,9	40	85	63	-	45	3	16	✓	4,03

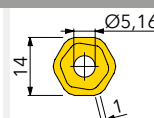
HNGU0605ANTR-M



HNGU0605ANTR-MM



HNGU0605ANR-ML



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2510	IN2530	IN6537				
HNGU0605ANTR-M	0,20/0,35	positive geometry / Géométrie positive									
HNGU0605ANTR-MM	0,15/0,30	high positive geometry / Géométrie très positive									
HNGU0605ANR-ML	0,08/0,30	sharp, high-positive Geometry / Géométrie très positive, arête vive									

● = P ● = M ● = K ● = N ● = S ○ = H

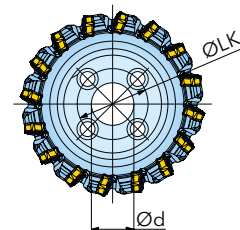
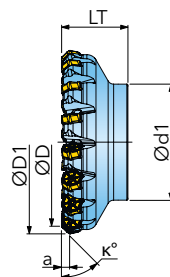
SPARE PARTS
ACCESSOIRES



SM40-100-R0 (4,5Nm) TX15x90-B

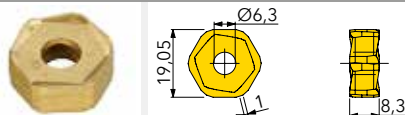
① = Insert screw / Vis de serrage plaquelette ② = Torx-Bit / Embout torx

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

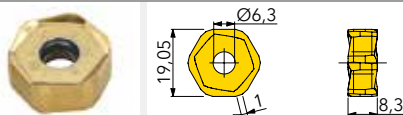


Designation Réf. de l'article	D	D1	d	d1	LT	LK	κ	a	Z	IK	kg
HN6G063R00	63	77,5	22	47	50	-	45	5	5	✓	0,85
HN5G063R00	63	77,5	22	47	50	-	45	5	7	✓	0,92
HN6G080R00	80	94,5	27	70	50	-	45	5	6	✓	1,45
HN5G080R00	80	94,5	27	70	50	-	45	5	9	✓	1,61
HN6G100R00	100	114,5	32	85	50	-	45	5	7	✓	2,51
HN5G100R00	100	114,5	32	85	50	-	45	5	11	✓	2,70
HN6G125R00	125	139,5	40	85	63	-	45	5	8	✓	4,02
HN5G125R00	125	139,5	40	85	63	-	45	5	14	✓	4,23

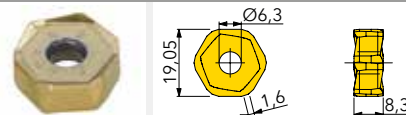
HNGU1007ANTR-HR



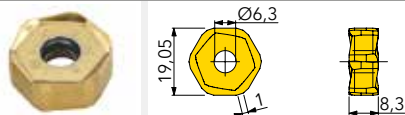
HNGU1007ANTR-M



HNGU1007ANTR-MM



HNGU1007ANR-ML



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2510	IN2530	IN6537				
HNGU1007ANTR-HR	0,30/0,60	roughing geometry / Géométrie d'ébauche									
HNGU1007ANTR-M	0,25/0,40	positive geometry / Géométrie positive									
HNGU1007ANTR-MM	0,20/0,35	high positive geometry / Géométrie très positive									
HNGU1007ANR-ML	0,08/0,35	sharp, high-positive Geometry / Géométrie très positive, arête vive									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

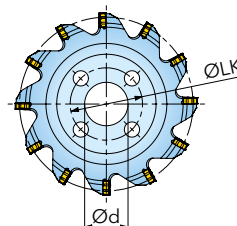
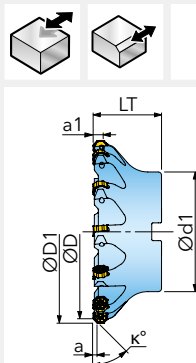


SM50-130-R0 (6,0Nm)

TX20x90-B

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

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	D1	d	d1	LT	LK	κ	a	a1	Z	IK	kg
ON6H040R00	40	48,3	16	30	40	-	43	3	8	4	✓	0,17
ON6H050R00	50	58,3	22	45	40	-	43	3	8	4	✓	0,31
ON5H050R00 ¹⁾	50	58,3	22	45	40	-	43	3	8	6	✓	0,32
ON6H063R00	63	71,3	22	55	40	-	43	3	8	6	✓	0,53
ON5H063R00 ¹⁾	63	71,3	22	55	40	-	43	3	8	8	✓	0,55
ON6H080R00	80	88,3	27	70	50	-	43	3	8	7	✓	1,17
ON5H080R00 ¹⁾	80	88,3	27	70	50	-	43	3	8	10	✓	1,25
ON6H100R00	100	108,3	32	85	55	-	43	3	8	8	✓	2,00
ON5H100R00 ¹⁾	100	108,3	32	85	55	-	43	3	8	12	✓	2,16
ON6H125R00	125	133,3	40	100	63	-	43	3	8	10	✓	3,54
ON5H125R00 ¹⁾	125	133,3	40	100	63	-	43	3	8	16	✓	3,70
ON6H160R00	160	168,3	40	110	63	66,7	43	3	8	12		3,62
ON5H160R00 ¹⁾	160	168,3	40	110	63	66,7	43	3	8	20		3,74

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

ONCU0505ANTN-HR 			ONCU050520TN 			ONCU0505ANEN 		
			ONCU0505ANN 			ONCU0505ANTN-W 		

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2504	IN2505	IN4010	IN6537	IN70N
ONCU0505ANTN-HR	0,22/0,40	positive geometry / Géométrie positive								
ONCU050520TN	0,25/0,35	roughing geometry / Géométrie d'ébauche								
ONCU0505ANEN	0,08/0,30	high positive geometry / Géométrie hautement positive								
ONCU0505ANFN-P	0,05/0,30	non-ferrous geometry, polished / Géo. pour mat. non fer., polie								
ONCU0505ANN	0,10/0,18	positive geometry silicon nitride / Géométrie positive céramique								
ONCU0505ANTN-W	fu max. = 2,4	wiper finishing insert / Plaquette radeuse								

● = P ● = M ● = K ● = N ● = S ○ = H

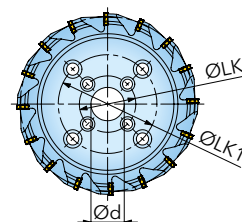
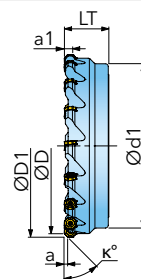
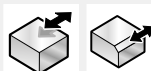
SPARE PARTS
ACCESSOIRES



SM40-100-10 (4,5Nm) TX15x90-B

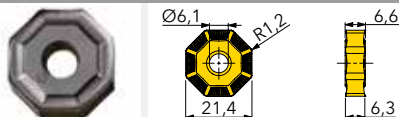
① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

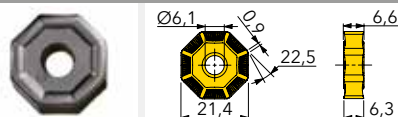


Designation Réf. de l'article	D	D1	d	d1	LT	LK	LK1	κ	a	a1	Z	IK	kg
OP6N063R00	63	76,6	22	55	40	-	-	43	5	14	5	✓	0,55
OP6N080R00	80	93,6	27	70	55	-	-	43	5	14	6	✓	1,37
OP6N100R00	100	113,6	32	85	55	-	-	43	5	14	7	✓	2,16
OP6N125R00	125	138,6	40	100	63	-	-	43	5	14	8	✓	3,87
OP6N160R00	160	173,6	40	130	63	66,7	-	43	5	14	10		5,95

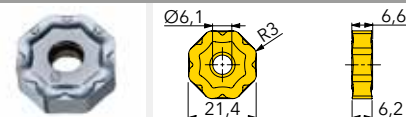
ONCU090612TN-HR



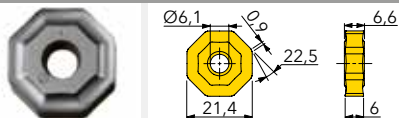
ONCU0906ANTN-HR



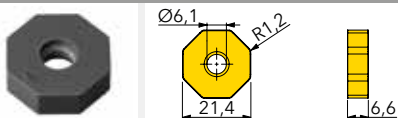
ONCU090630TN



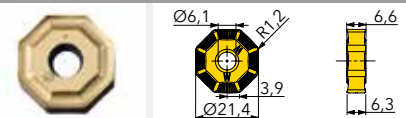
ONCU0906ANFN-WE



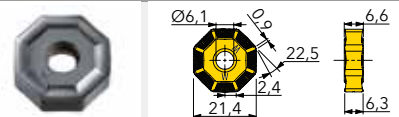
ONCQ0906ANN



ONCU090612TN-W



ONCU0906ANTN-W



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2035	IN2505	IN2510	IN4005	IN4010	IN4030	IN70N
ONCU090612TN-HR	0,30/0,40	positive geometry R1,2 / Géométrie positive R1,2								
ONCU0906ANTN-HR	0,30/0,40	positive geometry / Géométrie positive								
ONCU090630TN	0,08/0,40	roughing geometry / Géométrie d'ébauche								
ONCU0906ANFN-WE	0,08/0,40	positive cast iron geometry / Géométrie positive pour fonte								
ONCQ0906ANN	0,15/0,30	neutral geometry silicon nitride / Géométrie neutre céramique								
ONCU090612TN-W	fu max. = 3,9	wiper finishing insert / Plaqueuse racleuse								
ONCU0906ANTN-W	fu max. = 3,8	wiper finishing insert / Plaqueuse racleuse								

● = P ● = M ● = K ● = N ● = S ○ = H

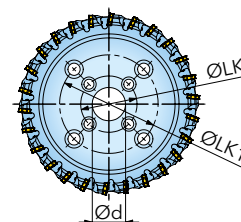
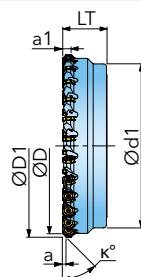
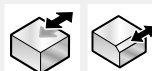
SPARE PARTS
ACCESSOIRES



SM50-130-R0 (6,0Nm) TX20x90-B

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

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	D1	d	d1	LT	LK	LK1	κ	a	a1	Z	IK	kg
OP5N080R00	80	93,8	27	70	55	-	-	43	5	14	7	✓	1,42
OP5N100R00	100	113,7	32	85	55	-	-	43	5	14	9	✓	2,15
OP5N125R00	125	138,6	40	100	63	-	-	43	5	14	12	✓	3,87
OP5N160R00	160	173,6	40	130	63	66,7	-	43	5	14	15		6,03

Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

ONCU090612TN-HR 	ONCU0906ANTN-HR 	ONCU090630TN
ONCU0906ANFN-WE 	ONCQ0906ANN 	ONCU090612TN-W
ONCU0906ANTN-W 		

Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2035	IN2505	IN2510	IN4005	IN4010	IN4030	IN70N
ONCU090612TN-HR	0,30/0,40	positive geometry R1,2 / Géométrie positive R1,2		●			●		●	
ONCU0906ANTN-HR	0,30/0,40	positive geometry / Géométrie positive						●	●	
ONCU090630TN	0,08/0,40	roughing geometry / Géométrie d'ébauche						●	●	
ONCU0906ANFN-WE	0,08/0,40	positive cast iron geometry / Géométrie positive pour fonte							●	
ONCQ0906ANN	0,15/0,30	neutral geometry silicon nitride / Géométrie neutre céramique								●
ONCU090612TN-W	fu max. = 3,9	wiper finishing insert / Plaquette radieuse			●					
ONCU0906ANTN-W	fu max. = 3,8	wiper finishing insert / Plaquette radieuse				●				

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

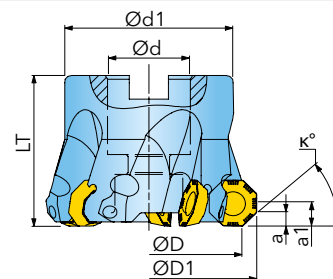


SM50-130-R0 (6,0Nm)

TX20x90-B

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

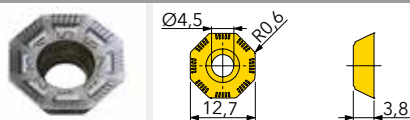
ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



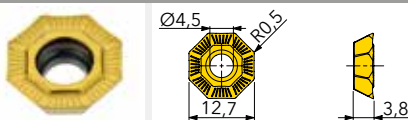
Designation Réf. de l'article	D	D1	d	d1	LT	κ	a	a1	Z		IK	kg
5N6H032R00	33	41,2	16	30	40	43	3,4	8,3	3	8,7	✓	0,14
5N6H040R00	40	48,1	16	30	40	43	3,4	8,3	4	6,4	✓	0,18
5N5H040R00 ¹⁾	40	48,1	16	30	40	43	3,4	8,3	5	6,4	✓	0,15
5N6H050R00	50	58	22	45	40	43	3,4	8,3	5	4,7	✓	0,34
5N5H050R00 ¹⁾	50	58	22	45	40	43	3,4	8,3	6	4,7	✓	0,31
5N6H063R00	63	71	22	55	40	43	3,4	8,3	6	3,4	✓	0,57
5N5H063R00 ¹⁾	63	71	22	55	40	43	3,4	8,3	8	3,4	✓	0,55
5N6H080R00	80	87,9	27	70	50	43	3,4	8,3	7	2,6	✓	1,23
5N5H080R00 ¹⁾	80	87,9	27	70	50	43	3,4	8,3	9	2,6	✓	1,22
5N6H100R00	100	108	32	85	50	43	3,4	8,3	8	2,0	✓	1,91
5N5H100R00 ¹⁾	100	108	32	85	50	43	3,4	8,3	10	2,0	✓	1,82
5N6H125R00	125	133	40	100	63	43	3,4	8,3	9	1,5	✓	3,66
5N5H125R00 ¹⁾	125	133	40	100	63	43	3,4	8,3	11	1,5	✓	3,64

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

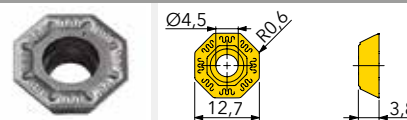
OFMT05T3AFN-HR



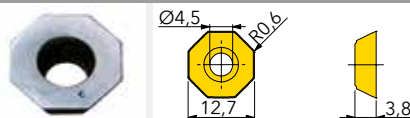
OFCT05T3AFTN-HR



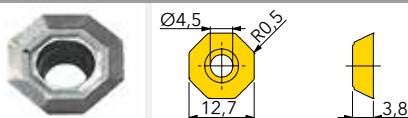
OFCT05T3TN



OFMW05T3AFTN



OFCT05T3AFFN-P



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2505	IN2510	IN2530	IN4030		
OFMT05T3AFN-HR	0,10/0,25	high-positive geometry / Géométrie positive									
OFCT05T3AFTN-HR	0,18/0,30	positive geometry, ground / Géométrie positive affûtée									
OFCT05T3TN	0,12/0,35	semi-positive geometry / Géométrie semi-positive									
OFMW05T3AFTN	0,20/0,40	neutral geometry, K-land / Géo. neutre avec chan. d'arête									
OFCT05T3AFFN-P	0,05/0,30	non-ferrous geometry, polished / Géo. pour mat. non fer., polie									

● = P ● = M ● = K ● = N ● = S ○ = H

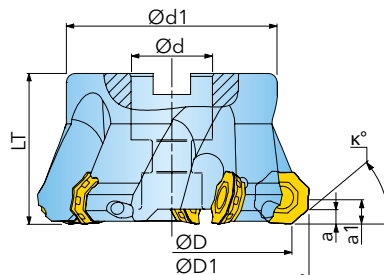
SPARE PARTS
ACCESSOIRES



SM40-100-R0 (4,5Nm) TX15x90-B

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

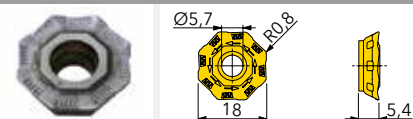
ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



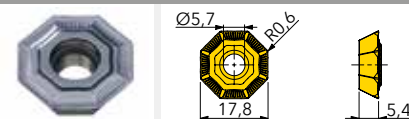
Designation Réf. de l'article	D	D1	d	d1	LT	κ	a	a1	Z			
5N6L050R00	50	62	22	45	50	41	4,8	11,8	3	7,1	✓	0,41
5N5L050R00 ¹⁾	50	62	22	45	50	41	4,8	11,8	4	7,1	✓	0,38
5N6L063R00	63	75	22	55	40	41	4,8	11,8	4	5,1	✓	0,51
5N5L063R00 ¹⁾	63	75	22	55	40	41	4,8	11,8	5	5,1	✓	0,50
5N6L080R00	80	92	27	70	50	41	4,8	11,8	5	3,7	✓	1,22
5N5L080R00 ¹⁾	80	92	27	70	50	41	4,8	11,8	7	3,7	✓	1,17
5N6L100R00	100	112	32	85	50	41	4,8	11,8	6	2,8	✓	1,82
5N5L100R00 ¹⁾	100	112	32	85	50	41	4,8	11,8	8	2,8	✓	1,74
5N6L125R00	125	137	40	100	63	41	4,8	11,8	8	2,2	✓	3,58
5N5L125R00 ¹⁾	125	137	40	90	63	41	4,8	11,8	9	2,2	✓	3,40
5N6L160R00	160	172	40	100	63	41	4,8	11,8	10	1,6		5,28
5N5L160R00 ¹⁾	160	172	40	90	63	41	4,8	11,8	11	1,6		5,12

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

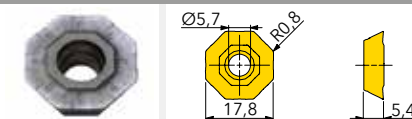
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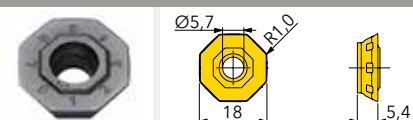
OFCT0705AFTN-HR



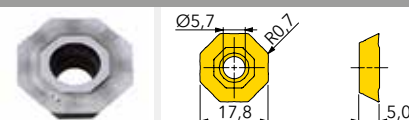
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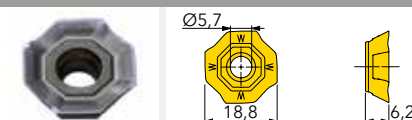
OFMW0705AFTN



OFCT0705AFFN-P



OFCT0705AFFR-W



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN203S	IN250S	IN400S	IN4030	IN653S	
OFMT0705AFR-HR	0,15/0,30	high-positive geometry / Géométrie positive								
OFCT0705AFTN-HR	0,18/0,35	positive geometry, ground / Géométrie positive								
OFMT0705AFTN	0,15/0,30	semi-positive geometry / Géométrie semi-positive								
OFMW0705AFTN	0,25/0,50	neutral geometry, K-land / Géo. neutre avec chan. d'arête								
OFCT0705AFFN-P	0,05/0,30	positive non-ferrous geometry, polished / Géo. pos. pour mat. non fer., polie								
OFCT0705AFFR-W	0,15/0,30	wiper finishing insert / Plaquette racleuse								

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

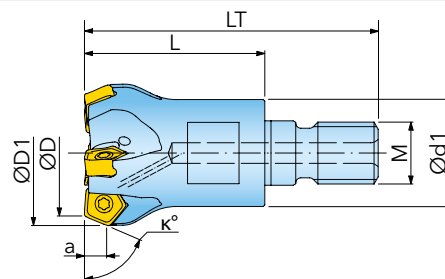


SM50-130-R0 (6,0Nm) TX20x90-B

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

DIPOS DEKA® FACE MILL 1DM1E...X
FRAISE A SURFACER 1DM1E...X

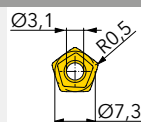
SCREW-IN TYPE ADAPTION
ATTACHEMENT FILETÉ



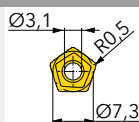
Designation Réf. de l'article	D	D1	d1	LT	L	κ	a	M	Z	IK	kg
1DM1E016030X6R00 ¹⁾	16	19,9	18	49,8	30	66	3,8	M10	3	✓	0,05
1DM1E020035X7R00 ¹⁾	20	23,9	21	57	35	66	3,8	M12	4	✓	0,09
1DM1E025035X7R00 ¹⁾	25	28,9	21	57	35	66	3,8	M12	5	✓	0,10
1DM1E032043X8R00 ¹⁾	32	35,9	29	67	43	66	3,8	M16	6	✓	0,23
1DM1E040043X8R00 ¹⁾	40	43,9	29	67	43	66	3,8	M16	8	✓	0,27

¹⁾ Narrow spacing / Pas réduit

PNMU0503GNTR



PNCU0503GNFR-P



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2505	IN2530				
PNMU0503GNTR	0,10/0,30	positive geometry / Géométrie positive									
PNCU0503GNFR-P	0,05/0,35	non-ferrous geometry / Géo. pour mat. non fer.									

● = P ● = M ● = K ● = N ● = S ○ = H

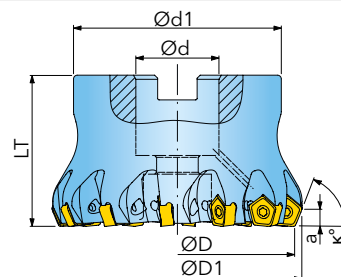
SPARE PARTS
ACCESSOIRES



SM25-064-00 (1,1Nm) TX08x90-B

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

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	D1	d	d1	LT	κ	a	Z	IK	kg
DM6E032R00	32	35,9	16	30	40	66	3,8	4	✓	0,15
DM5E032R00 ¹⁾	32	35,9	16	30	40	66	3,8	6	✓	0,14
DM6E040R00	40	43,9	16	30	40	66	3,8	5	✓	0,18
DM5E040R00 ¹⁾	40	43,9	16	30	40	66	3,8	8	✓	0,19
DM6E050R00	50	53,9	22	45	40	66	3,8	6	✓	0,38
DM5E050R00 ¹⁾	50	53,9	22	45	40	66	3,8	9	✓	0,36
DM6E063R00	63	66,9	22	55	40	66	3,8	7	✓	0,63
DM5E063R00 ¹⁾	63	66,9	22	55	40	66	3,8	11	✓	0,62
DM6E080R00	80	83,9	27	70	50	66	3,8	9	✓	1,30
DM5E080R00 ¹⁾	80	83,9	27	70	50	66	3,8	13	✓	1,31

¹⁾ Narrow spacing / Pas réduit

PNMU0503GNTR			PNCU0503GNFR-P								
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN10K	IN2035	IN2505	IN2530				
PNMU0503GNTR	0,10/0,30	positive geometry / Géométrie positive									
PNCU0503GNFR-P	0,05/0,35	non-ferrous geometry / Géo. pour mat. non fer.									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

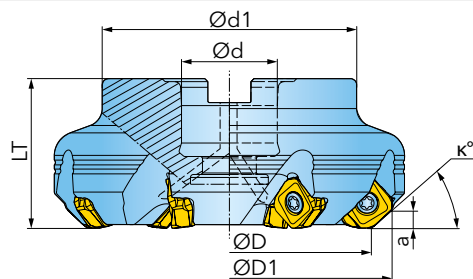


SM25-064-00 (1,1Nm)

TX08x90-B

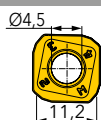
① = Insert screw / Vis de serrage plaqueette ② = Torx-Bit / Embout torx

ADAPTION ACC. TO DIN 8030
 ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	D1	d	d1	LT	LK	κ	a	Z	IK	kg
DN6G040R00	40	51	16	38	40	-	45	4,2	4	✓	0,4
DN5G040R00	40	51	16	38	40	-	45	4,2	6	✓	0,4
DN6G050R00	50	61	22	45	40	-	45	4,2	6	✓	0,5
DN5G050R00	50	61	22	45	40	-	45	4,2	8	✓	0,5
DN6G063R00	63	74	22	47	50	-	45	4,2	7	✓	1,0
DN5G063R00	63	74	22	47	50	-	45	4,2	10	✓	1,0
DN6G080R00	80	91	27	70	50	-	45	4,2	8	✓	1,6
DN5G080R00	80	91	27	70	50	-	45	4,2	12	✓	1,6
DN6G100R00	100	111	32	85	50	-	45	4,2	9	✓	2,4
DN5G100R00	100	111	32	85	50	-	45	4,2	14	✓	2,5
DN6G125R00	125	136	40	85	63	-	45	4,2	12	✓	4,0
DN5G125R00	125	136	40	85	63	-	45	4,2	18	✓	4,1
DN6G160R00	160	171	40	110	63	66,1	45	4,2	16		5,6
DN5G160R00	160	171	40	110	63	66,1	45	4,2	24		5,6

SQGU1105ANR-M

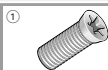


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2510	IN6537					
SQGU1105ANR-M ¹⁾	0,20/1,50	positive Geometry / Géométrie positive R0,8									

¹⁾* Cutting information is responsible to used Cutter! / Les paramètres de coupe varient en fonction du type de fraise.

● = P ● = M ● = K ● = N ● = S ○ = H

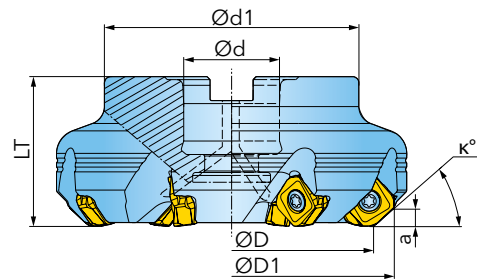
SPARE PARTS
 ACCESSOIRES



SM40-115-00 (4,5Nm) TX15x90-B

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

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	D1	d	d1	LT	LK	κ	a	Z	IK	kg
DN6K050R00	50	65,5	22	45	40	-	45	6,0	4	✓	0,6
DN5K050R00	50	65,5	22	45	40	-	45	6,0	6	✓	0,6
DN6K063R00	63	78,5	22	47	50	-	45	6,0	6	✓	1,1
DN5K063R00	63	78,5	22	47	50	-	45	6,0	8	✓	1,0
DN6K080R00	80	95,5	27	70	50	-	45	6,0	7	✓	1,7
DN5K080R00	80	95,5	27	70	50	-	45	6,0	10	✓	1,7
DN6K100R00	100	115,5	32	85	50	-	45	6,0	8	✓	2,6
DN5K100R00	100	115,5	32	85	50	-	45	6,0	12	✓	2,5
DN6K125R00	125	140,5	40	85	63	-	45	6,0	10	✓	4,4
DN5K125R00	125	140,5	40	85	63	-	45	6,0	16	✓	4,3
DN6K160R00	160	175,5	40	110	63	66,7	45	6,0	12		5,9
DN5K160R00	160	175,5	40	110	63	66,7	45	6,0	20		5,9
DN6K200R00	200	215,5	60	130	63	101,6	45	6,0	18		8,4
DN5K200R00	200	215,5	60	130	63	101,6	45	6,0	26		8,3

SQGU1406ANR-M

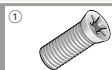


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN2505	IN2510	IN6537					
SQGU1406ANR-M ¹⁾	0,25/2,30	positive Geometry / Géométrie positive R0,8									

¹⁾* Cutting information is responsible to used Cutter! / Les paramètres de coupe varient en fonction du type de fraise.

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



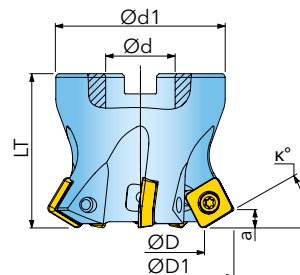
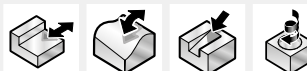
TS 50C130I/HG (6,0Nm) TX20x90-B

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

GOLDQUAD^{XXX} FACE MILL 30° 5M_P

FRAISE À SURFACER 30° 5M_P

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

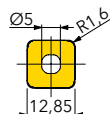


Designation Réf. de l'article	D	D1	d	d1	LT	κ	a	Z	IK	kg
5M6P050R30	30,1	50	22	45	50	30	4,9	4	✓	0,30
5M5P050R30 ¹⁾	30,1	50	22	45	50	30	4,9	5	✓	0,30
5M6P063R30	43,1	63	22	55	50	30	4,9	5	✓	0,50
5M5P063R30 ¹⁾	43,1	63	22	55	50	30	4,9	6	✓	0,50
5M6P080R30	60,1	80	27	70	50	30	4,9	6	✓	1,00
5M5P080R30 ¹⁾	60,1	80	27	70	50	30	4,9	7	✓	1,00
5M6P100R30	80,1	100	32	85	55	30	4,9	7	✓	1,80
5M5P100R30 ¹⁾	80,1	100	32	85	55	30	4,9	9	✓	1,80

* fz-values see manual „Cutting Data for Milling & Boring Tools“ / * Valeurs fz voir le manuel "Données de coupe de fraisage et perçage" (Chapitre G_Quad)

¹⁾ Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

SDMS130516R-PP



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN4005	IN4030	IN4036					
SDMS130516R-PP	0,10/0,60	positive geometry, sharp R1,6 / Géométrie positive, vive R1,6									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

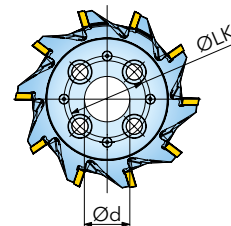
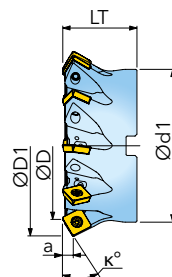
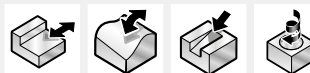


SM40-100-R0 (4,5Nm) DS-A00T

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

GOLDQUAD^{XXX} FACE MILL 30° 5G5M
FRAISE À SURFACER 30° 5G5M

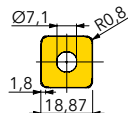
ADAPTION ACC. TO DIN 8030
 ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	D1	d	d1	LT	LK	κ	a	Z	IK	kg
5G5M080R30	51,7	80	27	70	55	-	30	7,8	6	✓	0,90
5G5M100R30	71,7	100	32	85	55	-	30	7,8	7	✓	1,50
5G5M125R30	96,7	125	40	100	63	-	30	7,8	8	✓	2,70
5G5M160R30	131,7	160	40	130	63	66,7	30	7,8	10	✓	4,40

* fz-values see manual „Cutting Data for Milling & Boring Tools“ / * Valeurs fz voir le manuel "Données de coupe de fraisage et perçage" (Chapitre G_Quad)

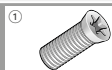
SDMS1906ZPR-PP



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN4030	IN4035						
SDMS1906ZPR-PP	0,20/0,80	positive geometry / Géométrie positive		●	●						

● = P ● = M ● = K ● = N ● = S ○ = H

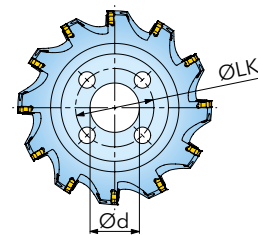
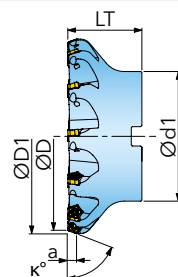
**SPARE PARTS
ACCESSOIRES**



SM60-135-R0 (8,0Nm) DS-T25S

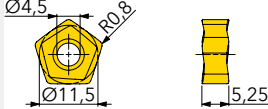
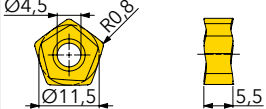
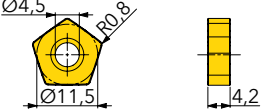
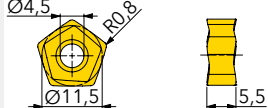
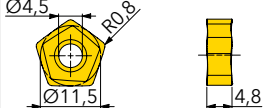
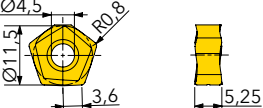
① = Insert screw / Vis de serrage plaquette ② = Screw driver / Tournevis

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	D1	d	d1	LT	LK	κ	a	Z	IK	kg
DM6G040R00	40	45,4	16	30	40	-	70	6	4	✓	0,18
DM5G050R00 ¹⁾	50	55,4	22	45	40	-	70	6	6	✓	0,34
DM6G050R00	50	55,4	22	45	40	-	70	6	4	✓	0,32
DM5G063R00 ¹⁾	63	68,4	22	55	40	-	70	6	8	✓	0,58
DM6G063R00	63	68,4	22	55	40	-	70	6	6	✓	0,58
DM5G080R00 ¹⁾	80	85,4	27	70	50	-	70	6	10	✓	1,31
DM6G080R00	80	85,4	27	70	50	-	70	6	7	✓	1,30
DM5G100R00 ¹⁾	100	105,4	32	85	50	-	70	6	12	✓	2,00
DM6G100R00	100	105,4	32	85	50	-	70	6	8	✓	1,97
DM5G125R00 ¹⁾	125	130,4	40	100	63	-	70	6	16	✓	3,84
DM6G125R00	125	130,4	40	100	63	-	70	6	10	✓	3,82

¹⁾Narrow spacing (only for short chip producing materials) / Pas réduit (pour matières à copeaux courts)

PNCU0805GNTR			PNCU0805GNFR-HS			PNCQ0804GNTN					
											
PNCU0805GNFR-P			PNCU0805GNR			PNCU0805GNTR-W					
											
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN203S	IN250S	IN400S	IN401S	IN6537	IN70N	
PNCU0805GNTR	0,20/0,40	positive geometry / Géométrie positive									
PNCU0805GNFR-HS	0,08/0,30	high positive geometry / Géométrie hautement positive									
PNCQ0804GNTN	0,20/0,40	neutral geometry, K-land / Géométrie neutre									
PNCU0805GNFR-P	0,05/0,40	positive non-ferrous geometry, polished / Géo. pour mat. non fer., polie									
PNCU0805GNR	0,10/0,18	positive geometry silicon nitride / Géométrie positive céramique									
PNCU0805GNTR-W	0,20/0,40	wiper insert / Plaquette racleuse									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES

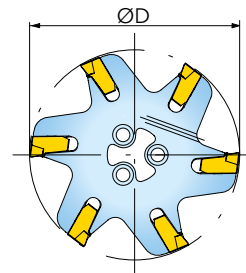
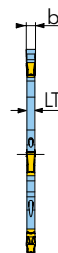


SM40-100-10 (4,5Nm) TX15x90-B

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

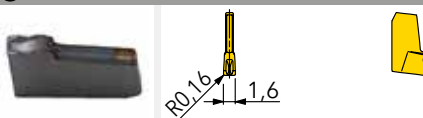
Subject to printing error or technical changes. / Sous réserve d'erreurs d'impression ou de modifications techniques.

MODULAR TRILINK
ATTACHEMENT MODULAIRE TRILINK

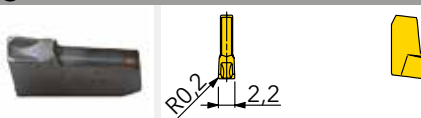


Designation Réf. de l'article	D	LT	b	MOD	n max.	Z	Insert-S	IK	kg	Related Insert Plaquette préconisée
TSC 40 1.6 PAR00	40	1,4	1,6	TRI	1990	5	1	✓	0,01	A
TSC 40 2.4 PAR00	40	1,9	2,2	TRI	1990	5	2	✓	0,01	B C
TSC 50 1.6 PAR00	50	1,4	1,6	TRI	1590	6	1	✓	0,02	A
TSC 50 2.4 PAR00	50	1,9	2,2	TRI	1590	6	2	✓	0,03	B C
TSC 50 3 PAR00	50	2,4	3,1	TRI	1590	5	4	✓	0,03	D E
TSC 63 1.6 PAR00	63	1,4	1,6	TRI	1260	7	1	✓	0,03	A
TSC 63 2.4 PAR00	63	1,9	2,2	TRI	1260	7	2	✓	0,03	B C
TSC 63 3 PAR00	63	2,4	3,1	TRI	1260	6	4	✓	0,04	D E

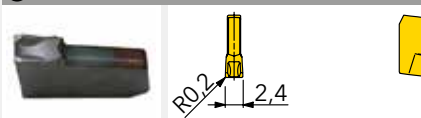
A TIMC 1.6



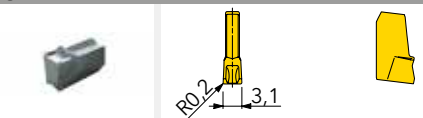
B TIMC 2



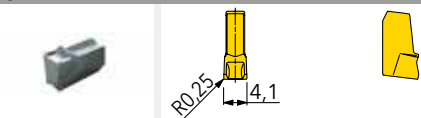
C TIMC 2.4



D TIMC 3



E TIMC 4



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	TT9030							
TIMC 1.6	0,04/0,12	positive geometry R0,15 / Géométrie positive R0,15									
TIMC 2	0,05/0,13	positive geometry R0,2 / Géométrie positive R0,2									
TIMC 2.4	0,05/0,15	positive geometry R0,2 / Géométrie positive R0,2									
TIMC 3	0,06/0,18	positive geometry R0,2 / Géométrie positive R0,2									
TIMC 4	0,08/0,20	positive geometry R0,25 / Géométrie positive R0,25									

● = P ● = M ● = K ● = N ● = S ○ = H

**SPARE PARTS
ACCESSOIRES**

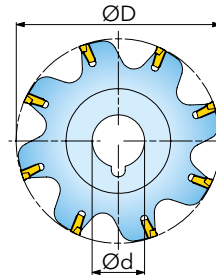
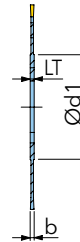
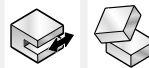


Cutting Width / Largeurs de coupe

1,6 - 2,2	ESG 0.5
3,1	ESG 1

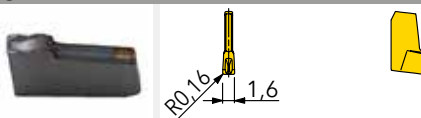
① = Ejector / Extracteur

ADAPTION ACC. TO DIN 138
ATTACHEMENT DIN 138

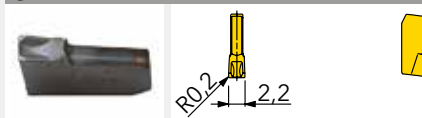


Designation Réf. de l'article	D	d	d1	LT	b	n max.	Z	Insert-S	kg	Related Insert Plaquette préconisée
TSC 75 1.6 22A	75	22	39	2,4	1,6	1060	8	1	0,03	A
TSC 75 2 22A	75	22	39	2,4	2,2	1060	8	2	0,04	B C
TSC 100 1.6 22A	100	22	39	2,4	1,6	800	10	1	0,06	A
TSC 100 2 22A	100	22	39	2,4	2,2	800	10	2	0,08	B C
TSC 125 1.6 27A	125	27	64	2,4	1,6	640	12	1	0,11	A
TSC 125 2 27A	125	27	64	2,4	2,2	640	12	2	0,15	B C

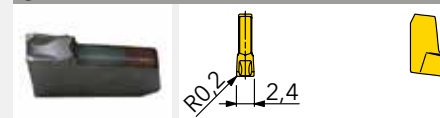
A TIMC 1.6



B TIMC 2



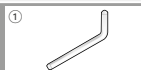
C TIMC 2.4



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	TT9030							
TIMC 1.6	0,04/0,12	positive geometry R0,15 / Géométrie positive R0,15									
TIMC 2	0,05/0,13	positive geometry R0,2 / Géométrie positive R0,2									
TIMC 2.4	0,05/0,15	positive geometry R0,2 / Géométrie positive R0,2									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS
ACCESSOIRES



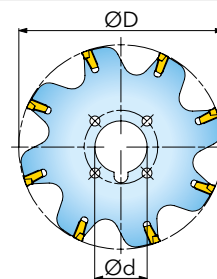
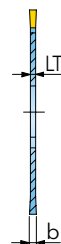
ESG 0,5

① = Ejector / Extracteur

TCLAMP SLOT MILL TSC FOR FLANGE DRIVE

FRAISE-DISQUE 3 TAILLES TSC À RAINURE DE CLAVETTE

ADAPTION ACC. TO DIN 138
ATTACHEMENT DIN 138



Designation Réf. de l'article	D	d	LT	b	n max.	Z	Insert-S	kg	Related Insert Plaquette préconisée
TSC 100 2.4 22K	100	22	1,9	2,4	800	10	2	0,09	AB
TSC 100 3 22K	100	22	2,4	3,1	800	6	4	0,10	CD
TSC 100 4 22K	100	22	3,2	4,1	800	6	4	0,12	CD
TSC 125 2.4 32K	125	32	1,9	2,4	640	12	2	0,14	AB
TSC 125 3 32K	125	32	2,4	3,1	640	8	4	0,15	CD
TSC 125 4 32K	125	32	3,2	4,1	640	8	4	0,20	CD
TSC 160 2.4 32K	160	32	1,9	2,4	500	16	2	0,25	AB
TSC 160 3 40K	160	40	2,4	3,1	500	10	4	0,27	CD
TSC 160 4 40K	160	40	3,2	4,1	500	10	4	0,35	CD

Spigot set has to be ordered separately. / Ensemble d'entraînement non inclus - à commander séparément.

A TIMC 2			B TIMC 2.4			C TIMC 3		
D TIMC 4								
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	TT9030				
TIMC 2	0,05/0,13	positive geometry R0,2 / Géométrie positive R0,2						
TIMC 2.4	0,05/0,15	positive geometry R0,2 / Géométrie positive R0,2						
TIMC 3	0,06/0,18	positive geometry R0,2 / Géométrie positive R0,2						
TIMC 4	0,08/0,20	positive geometry R0,25 / Géométrie positive R0,25						

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

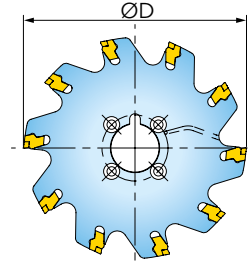
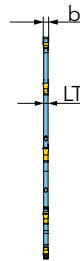
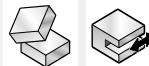


Cutting Width / Largeurs de coupe

2,4	ESG 0.5
3,1 - 4,1	ESG 1

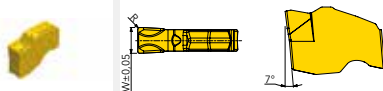
① = Ejector / Extracteur

ADAPTION ACC. TO DIN 138
ATTACHEMENT DIN 138

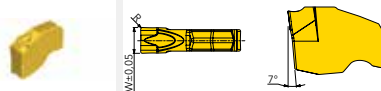


Designation Réf. de l'article	D	d	LT	a	b	Z	Insert-S	IK	kg	Related Insert Plaquette préconisée
SSC 80 2 22KR00-TB	80	22	1,7	7	2	8	2	✓	0,04	A B
SSC 80 3 22KR00-TB	80	22	2,5	7	3	7	3	✓	0,05	C D
SSC 100 2 22KR00-TB	100	22	1,7	7	2	10	2	✓	0,06	A B
SSC 100 3 22KR00-TB	100	22	2,5	7	3	8	3	✓	0,09	C D
SSC 125 2 27KR00-TB	125	27	1,7	7	2	12	2	✓	1,10	A B
SSC 125 3 27KR00-TB	125	27	2,5	7	3	10	3	✓	1,58	C D
SSC 160 2 32KR00-TB	160	32	1,8	7	2	14	2	✓	1,99	A B
SSC 160 3 32KR00-TB	160	32	2,5	7	3	12	3	✓	2,74	C D

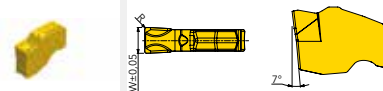
A SFC 2



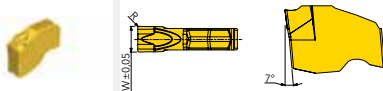
B SFJ 2



C SFC 3



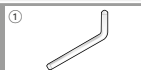
D SFJ 3



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	TT9080	TT8020						
SFC 2	0,08/0,20	Single ended inserts / Plaquettes simple coupe									
SFJ 2	0,05/0,15	Single ended inserts / Plaquettes simple coupe									
SFC 3	0,10/0,25	Single ended inserts / Plaquettes simple coupe									
SFJ 3	0,08/0,20	Single ended inserts / Plaquettes simple coupe									

● = P ● = M ● = K ● = N ● = S ○ = H

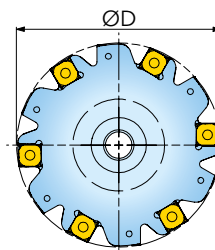
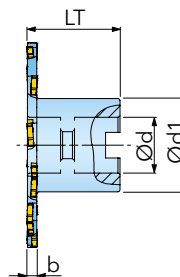
SPARE PARTS
ACCESSOIRES



ESG 1

① = Ejector / Extracteur

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	b	Z	Ze _{ff}	kg	Related Insert Plaquette préconisée
38L5G063004F0R00	63	16	30	32	4	8	4	0,17	A
38L5G063005F0R00	63	16	30	32	5	8	4	0,18	B
38L5H063006F0R00	63	16	30	32	6	6	3	0,18	C
38L5H063007F0R00	63	16	30	32/32,5	7/8	6	3	0,20	DE
38L5H063009F0R00	63	16	30	32	9	6	3	0,21	F
38L5H063010F0R00	63	16	30	32	10	6	3	0,22	F
38L5H063012F0R00	63	16	30	32/32,5	12/13	6	3	0,22	GH
38L5H063014F0R00	63	16	30	32/32,5	14/15	6	3	0,24	HI
38L5G080004F1R00	80	22	38	40	4	10	5	0,33	A
38L5G080005F1R00	80	22	38	40	5	10	5	0,35	B
38L5H080006F1R00	80	22	38	40	6	8	4	0,36	C
38L5H080007F1R00	80	22	38	40/40,5	7/8	8	4	0,37	DE
38L5H080009F1R00	80	22	38	40	9	8	4	0,38	F
38L5H080010F1R00	80	22	38	40	10	8	4	0,40	F
38L5H080012F1R00	80	22	38	40/40,5	12/13	8	4	0,42	GH
38L5H080014F1R00	80	22	38	40/40,5	14/15	8	4	0,46	HI
38L5G100004F2R00	100	27	45	45	4	12	6	0,52	A
38L5G100005F2R00	100	27	45	45	5	12	6	0,56	B
38L5H100006F2R00	100	27	45	45	6	10	5	0,57	C
38L5H100007F2R00	100	27	45	45/45,5	7/8	10	5	0,61	DE
38L5H100009F2R00	100	27	45	45	9	10	5	0,62	F
38L5H100010F2R00	100	27	45	45	10	10	5	0,66	F
38L5H100012F2R00	100	27	45	45/45,5	12/13	10	5	0,72	GH
38L5H100014F2R00	100	27	45	45/45,5	14/15	10	5	0,79	HI
38L5G125004F3R00	125	32	58	50	4	14	7	0,99	A
38L5G125005F3R00	125	32	58	50	5	14	7	1,05	B
38L5H125006F3R00	125	32	58	50	6	12	6	1,08	C
38L5H125007F1R00	125	22	38	40/40,5	7/8	12	6	0,64	DE
38L5H125007F3R00	125	32	58	50/50,5	7/8	12	6	1,13	DE
38L5H125009F3R00	125	32	58	50	9	12	6	1,15	F
38L5H125010F3R00	125	32	58	50	10	12	6	1,21	F
38L5H125012F3R00	125	32	58	50/50,5	12/13	12	6	1,30	GH
38L5H125014F3R00	125	32	58	50/50,5	14/15	12	6	1,43	HI
38L5H140007F1R00	140	22	38	40	7/8	12	6	0,89	DE
38L5H160006F4R00	160	40	70	60	6	16	8	1,89	C
38L5H160007F4R00	160	40	70	60/60,5	7/8	16	8	1,99	DE
38L5H160009F4R00	160	40	70	60	9	16	8	2,01	F
38L5H160010F4R00	160	40	70	60	10	16	8	2,12	F
38L5H160012F4R00	160	40	70	60/60,5	12/13	16	8	2,30	GH
38L5H160014F4R00	160	40	70	60/60,5	14/15	16	8	2,50	HI

A SDE-31-201			B SDE-31-202			C SDE-42-201		
D SDE-42-203			E SDE-42-202			F SDE-43-201		
G SDE-44-201			H SDE-44-202			I SDE-45-201		
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN4030				
SDE-31-201	0,15/0,20	positive geometry / Géométrie positive						
SDE-31-202	0,15/0,20	positive geometry / Géométrie positive						
SDE-42-201	0,15/0,20	positive geometry / Géométrie positive						
SDE-42-203	0,15/0,20	positive geometry / Géométrie positive						
SDE-42-202	0,15/0,20	positive geometry / Géométrie positive						
SDE-43-201	0,15/0,20	positive geometry / Géométrie positive						
SDE-44-201	0,15/0,20	positive geometry / Géométrie positive						
SDE-44-202	0,15/0,20	positive geometry / Géométrie positive						
SDE-45-201	0,15/0,20	positive geometry / Géométrie positive						

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



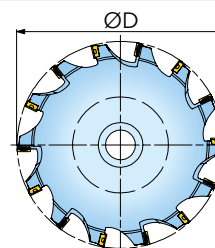
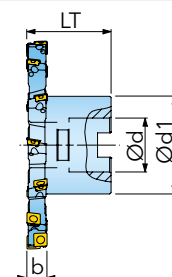
Cutting Width / Largeurs de coupe

4	SM35-034-50 (2,0Nm)	TX09x90-B
5	SM35-042-50 (2,0Nm)	TX09x90-B
6	SM40-050-50 (4,5Nm)	TX15x90-B
7/8	SM40-060-50 (4,5Nm)	TX15x90-B
9 - 10	SM40-080-50 (4,5Nm)	TX15x90-B
12/13 - 14/15	SM40-106-50 (4,5Nm)	TX15x90-B

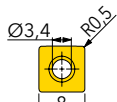
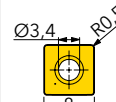
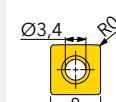
① = Insert screw / Vis de serrage plaquette ② = Torx-Bit / Embout torx

HIPOSQUAD SLOT MILL 35J6E...F FRAISE-DISQUE 3 TAILLES 35J6E...F

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030

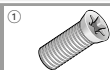


Designation Réf. de l'article	D	d	d1	LT	b	Z	Zeff	kg
35J6E063010F0R00	63	16	30	32	10	8	4	0,20
35J6E063012F0R00	63	16	30	32	12	8	4	0,22
35J6E063014F0R00	63	16	30	32	14	8	4	0,24
35J6E080010F1R00	80	22	40	40	10	10	5	0,41
35J6E080012F1R00	80	22	40	40	12	10	5	0,44
35J6E080014F1R00	80	22	40	40	14	10	5	0,48
35J6E100010F2R00	100	27	45	45	10	12	6	0,68
35J6E100012F2R00	100	27	45	45	12	12	6	0,75
35J6E100014F2R00	100	27	45	45	14	12	6	0,80
35J6E125010F3R00	125	32	58	50	10	14	7	1,21
35J6E125012F3R00	125	32	58	50	12	14	7	1,30
35J6E125014F3R00	125	32	58	50	14	14	7	1,40
35J6E160010F4R00	160	40	70	60	10	16	8	2,10
35J6E160012F4R00	160	40	70	60	12	16	8	2,29
35J6E160014F4R00	160	40	70	60	14	16	8	2,52
35J6E200010F4R00	200	40	70	60	10	18	9	2,70
35J6E200012F4R00	200	40	70	60	12	18	9	3,03
35J6E200014F4R00	200	40	70	60	14	18	9	3,35

SDMT080305N			SDMW080305TN			SDCT080305FN-P					
											
Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2505	IN4030					
SDMT080305N	0,13/0,17	positive geometry R0,5 / Géométrie positive R0,5									
SDMW080305TN	0,13/0,20	neutral geometry, K-land R0,5 / Géo. neutre avec chan. d'arête R0,5									
SDCT080305FN-P	0,05/0,20	non-ferrous geometry, polished R0,5 / Géo. pour mat. non fer., polie R0,5									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES

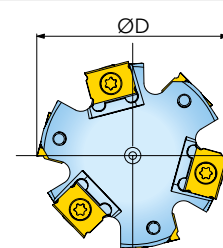
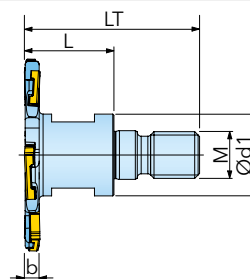


SM30-065-00 (2,0Nm) TX09x90-B

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

GOLD SLOT SLOT MILL 3VJ5V...X FRAISE-DISQUE 3 TAILLES 3VJ5V...X

SCREW-IN TYPE ADAPTION ATTACHEMENT FILETÉ



Designation Réf. de l'article	D	d1	LT	L	b	M	Z	Zeff	kg	Related Insert Plaquette préconisée
3VJ5V050003X7R00	50	21	45	23	3	M12	6	3	0,10	AB
3VJ5V050004X7R00	50	21	45	23	4	M12	6	3	0,10	CDEFG
3VJ5V050005X7R00	50	21	45	23	5	M12	6	3	0,12	HIJKL
3VJ5V050006X7R00	50	21	45	23	6	M12	4	2	0,13	MNOPQR

SPARE PARTS ACCESSOIRES



Cutting Width / Largeurs de coupe

3	SM25-024-80 (0,7Nm)	DS-T06F
4	SM35-034-50 (2,0Nm)	TX09x90-B
5	SM35-042-50 (2,0Nm)	TX09x90-B
6	SM40-050-50 (4,5Nm)	TX15x90-B

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

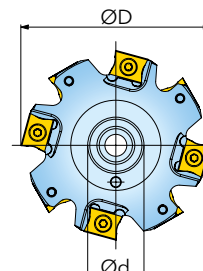
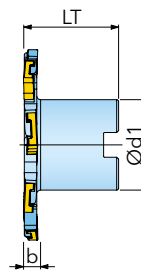


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2505	IN2530	IN4035				
IEE211-001	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4									
IEE211-001-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IEE311-001	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4									
IEE311-001-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IEE311-002	0,05/0,15	positive geometry R0,8 / Géométrie positive R0,8									
IEE311-002-P	0,05/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
IEE311-004	0,05/0,15	positive geometry 0,15x20° / Géométrie positive 0,15x20°									
IEE312-001	0,05/0,17	positive geometry R0,4 / Géométrie positive R0,4									
IEE312-001-P	0,05/0,17	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IEE312-002	0,05/0,17	positive geometry R0,8 / Géométrie positive R0,8									
IEE312-002-P	0,05/0,17	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
IEE312-004	0,05/0,17	positive geometry 0,15x20° / Géométrie positive 0,15x20°									
IXE412-001	0,05/0,20	positive geometry R0,4 / Géométrie positive R0,4									
IXE412-001-P	0,05/0,20	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IXE412-002	0,05/0,20	positive geometry R0,8 / Géométrie positive R0,8									
IXE412-002-P	0,05/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
IXE412-003	0,05/0,20	positive geometry R1,6 / Géométrie positive R1,6									
IXE412-004	0,05/0,20	positive geometry 0,3x17° / Géométrie positive 0,3x17°									

● = P ● = M ● = K ● = N ● = S ○ = H

GOLD SLOT SLOT MILL 3VJ5V..F 3-6 MM CUTTING WIDTH
FRAISE-DISQUE 3 TAILLES 3VJ5V..F LARGEUR DE COUPE 3-6 MM

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	b	Z	Zeff	kg	Related Insert Plaquette préconisée
3VJ5V063003F0R00	63	16	30	32	3	8	4	0,16	AB
3VJ5V063004F0R00	63	16	30	32	4	8	4	0,19	CDEFG
3VJ5V063005F0R00	63	16	30	32	5	8	4	0,21	HIJKL
3VJ5V063006F0R00	63	16	30	32	6	6	3	0,22	MNOPQR
3VJ5V080003F1R00	80	22	38	40	3	10	5	0,32	AB
3VJ5V080004F1R00	80	22	38	40	4	10	5	0,36	CDEFG
3VJ5V080005F1R00	80	22	38	40	5	10	5	0,38	HIJKL
3VJ5V080006F1R00	80	22	38	40	6	8	4	0,40	MNOPQR
3VJ5V100003F2R00	100	27	45	45	3	14	7	0,52	AB
3VJ5V100004F2R00	100	27	45	45	4	12	6	0,56	CDEFG
3VJ5V100005F2R00	100	27	45	45	5	12	6	0,60	HIJKL
3VJ5V100006F2R00	100	27	45	45	6	10	5	0,62	MNOPQR
3VJ5V125004F3R00	125	32	58	50	4	14	7	1,04	CDEFG
3VJ5V125005F3R00	125	32	58	50	5	14	7	1,10	HIJKL
3VJ5V125006F3R00	125	32	58	50	6	12	6	1,14	MNOPQR
3VJ5V160004F4R00	160	40	70	60	4	18	9	1,83	CDEFG
3VJ5V160005F4R00	160	40	70	60	5	18	9	1,93	HIJKL
3VJ5V160006F4R00	160	40	70	60	6	16	8	2,00	MNOPQR

SPARE PARTS
ACCESSOIRES



Cutting Width / Largeurs de coupe

3	SM25-024-80 (0,7Nm)	DS-T06F
4	SM35-034-50 (2,0Nm)	TX09x90-B
5	SM35-042-50 (2,0Nm)	TX09x90-B
6	SM40-050-50 (4,5Nm)	TX15x90-B

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

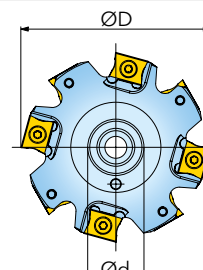
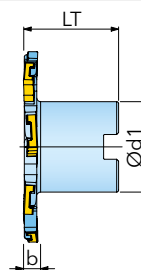


Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN2505	IN2530	IN4035				
IEE211-001	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4									
IEE211-001-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IEE311-001	0,05/0,12	positive geometry R0,4 / Géométrie positive R0,4									
IEE311-001-P	0,05/0,12	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IEE311-002	0,05/0,15	positive geometry R0,8 / Géométrie positive R0,8									
IEE311-002-P	0,05/0,15	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
IEE311-004	0,05/0,15	positive geometry 0,15x20° / Géométrie positive 0,15x20°									
IEE312-001	0,05/0,17	positive geometry R0,4 / Géométrie positive R0,4									
IEE312-001-P	0,05/0,17	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IEE312-002	0,05/0,17	positive geometry R0,8 / Géométrie positive R0,8									
IEE312-002-P	0,05/0,17	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
IEE312-004	0,05/0,17	positive geometry 0,15x20° / Géométrie positive 0,15x20°									
IXE412-001	0,05/0,20	positive geometry R0,4 / Géométrie positive R0,4									
IXE412-001-P	0,05/0,20	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IXE412-002	0,05/0,20	positive geometry R0,8 / Géométrie positive R0,8									
IXE412-002-P	0,05/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
IXE412-003	0,05/0,20	positive geometry R1,6 / Géométrie positive R1,6									
IXE412-004	0,05/0,20	positive geometry 0,3x17° / Géométrie positive 0,3x17°									

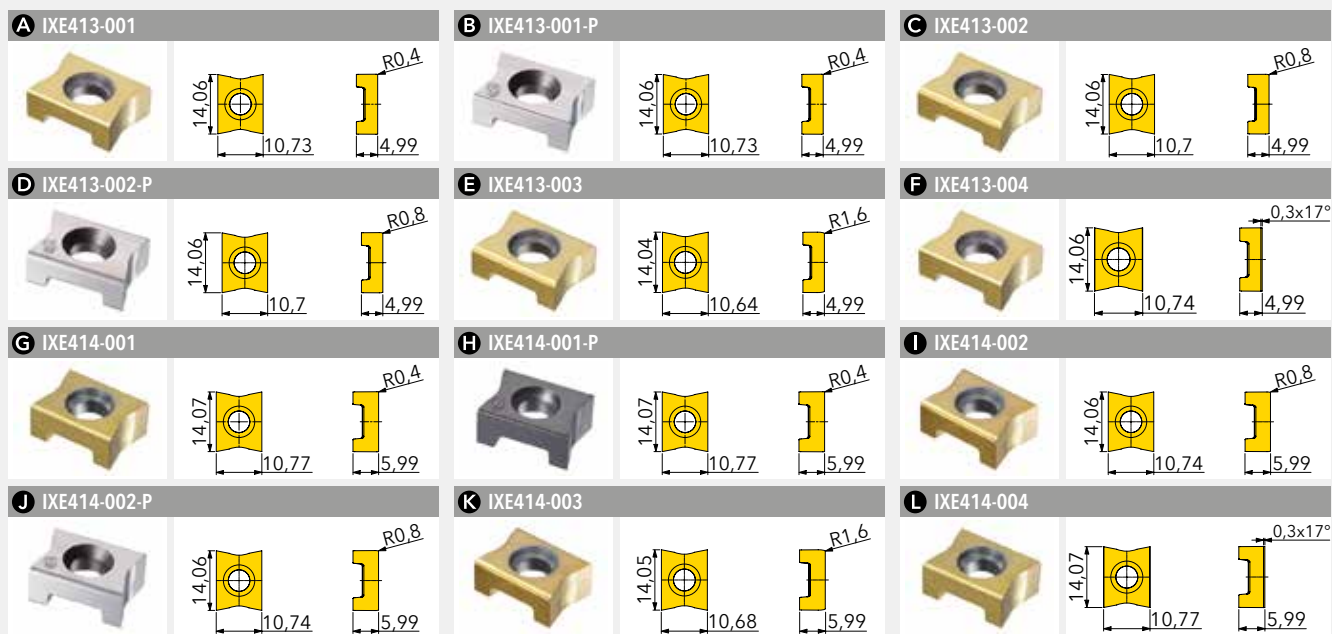
● = P ● = M ● = K ● = N ● = S ○ = H

GOLDSLOT SLOT MILL 3VJ5V..F 7-10 MM CUTTING WIDTH
FRAISE-DISQUE 3 TAILLES 3VJ5V..F LARGEUR DE COUPE 7-10 MM

ADAPTION ACC. TO DIN 8030
ATTACHEMENT DIN 8030



Designation Réf. de l'article	D	d	d1	LT	b	Z	Zeff	kg	Related Insert Plaquette préconisée
3VJ5V063007F0R00	63	16	30	32	7	6	3	0,23	ABCDEF
3VJ5V063008F0R00	63	16	30	32	8	6	3	0,24	ABCDEF
3VJ5V063009F0R00	63	16	30	32	9	6	3	0,26	GHIJKL
3VJ5V063010F0R00	63	16	30	32	10	6	3	0,27	GHIJKL
3VJ5V080007F1R00	80	22	38	40	7	8	4	0,42	ABCDEF
3VJ5V080008F1R00	80	22	38	40	8	8	4	0,45	ABCDEF
3VJ5V080009F1R00	80	22	38	40	9	8	4	0,48	GHIJKL
3VJ5V080010F1R00	80	22	38	40	10	8	4	0,50	GHIJKL
3VJ5V100007F2R00	100	27	45	45	7	10	5	0,66	ABCDEF
3VJ5V100008F2R00	100	27	45	45	8	10	5	0,70	ABCDEF
3VJ5V100009F2R00	100	27	45	45	9	10	5	0,72	GHIJKL
3VJ5V100010F2R00	100	27	45	45	10	10	5	0,76	GHIJKL
3VJ5V125007F3R00	125	32	58	50	7	12	6	1,20	ABCDEF
3VJ5V125008F3R00	125	32	58	50	8	12	6	1,26	ABCDEF
3VJ5V125009F3R00	125	32	58	50	9	12	6	1,29	GHIJKL
3VJ5V125010F3R00	125	32	58	50	10	12	6	1,35	GHIJKL
3VJ5V160007F4R00	160	40	70	60	7	16	8	2,10	ABCDEF
3VJ5V160008F4R00	160	40	70	60	8	16	8	2,21	ABCDEF
3VJ5V160009F4R00	160	40	70	60	9	16	8	2,27	GHIJKL
3VJ5V160010F4R00	160	40	70	60	10	16	8	2,38	GHIJKL



Designation Réf. de l'article	fz(min/max)	Design Conception	Grade Nuance	IN05S	IN250S	IN2530	IN4035				
IXE413-001	0,05/0,20	positive geometry R0,4 / Géométrie positive R0,4									
IXE413-001-P	0,05/0,20	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IXE413-002	0,05/0,20	positive geometry R0,8 / Géométrie positive R0,8									
IXE413-002-P	0,05/0,20	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
IXE413-003	0,05/0,20	positive geometry R1,6 / Géométrie positive R1,6									
IXE413-004	0,05/0,20	positive geometry 0,3x17° / Géométrie positive 0,3x17°									
IXE414-001	0,05/0,25	positive geometry R0,4 / Géométrie positive R0,4									
IXE414-001-P	0,05/0,25	non-ferrous geometry, polished R0,4 / Géo. pour mat. non fer., polie R0,4									
IXE414-002	0,05/0,25	positive geometry R0,8 / Géométrie positive R0,8									
IXE414-002-P	0,05/0,25	non-ferrous geometry, polished R0,8 / Géo. pour mat. non fer., polie R0,8									
IXE414-003	0,05/0,25	positive geometry R1,6 / Géométrie positive R1,6									
IXE414-004	0,05/0,25	positive geometry 0,3x17° / Géométrie positive 0,3x17°									

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS ACCESSOIRES



Cutting Width / Largeurs de coupe

7	SM40-060-50 (4,5Nm)	TX15x90-B
8	SM40-070-50 (4,5Nm)	TX15x90-B
9 - 10	SM40-080-50 (4,5Nm)	TX15x90-B

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