Milling tools



Recommended Cutting Data

Workpiece Materials		Materials Hardness	Grade	Recommended Cutting Speed Vc (m/min)	mm/tooth Light Cutting	Medium Cutting	Heavy Cutting
P	Low Carbon Steel	≤HB180	NS4115 NS4125 NP115T	180 (150–220)	0.08 (0.05–0.15)	0.1 (0.08–0.15)	0.12 (0.08–0.2)
					0.08 (0.05–0.15)	0.12 (0.08–0.18)	0.15 (0.1–0.25)
					0.15 (0.1–0.25)	0.2 (0.15–0.3)	0.25 (0.2–0.35)
					0.18 (0.1–0.25)	0.25 (0.1–0.35)	0.3 (0.1–0.45)
	Carbon Steel、Alloy Steel	HB180–350	NS4115 NS4125	160 (140–200)	0.08 (0.05–0.15)	0.1 (0.08–0.15)	0.12 (0.08–0.2)
					0.08 (0.05–0.15)	0.12 (0.08–0.18)	0.15 (0.1–0.25)
					0.15 (0.1–0.25)	0.2 (0.15–0.3)	0.25 (0.2–0.35)
					0.18 (0.1–0.25)	0.25 (0.1–0.35)	0.3 (0.1–0.45)
	Per–hardened Steel	HRC35–45	NS4115 NS4125	120 (100–160)	0.08 (0.05–0.15)	0.1 (0.08–0.15)	0.12 (0.08–0.2)
					0.08 (0.05–0.15)	0.12 (0.08–0.18)	0.15 (0.1–0.25)
					0.15 (0.1–0.25)	0.2 (0.15–0.3)	0.25 (0.2–0.35)
					0.18 (0.1–0.25)	0.25 (0.1–0.35)	0.3 (0.1–0.45)
M	Stainless Steel (Ferrite、Martensite)	≤HB270	NS4115 NS4125	140 (120–180)	0.08 (0.05–0.15)	0.1 (0.08–0.15)	0.12 (0.08–0.2)
					0.08 (0.05–0.15)	0.12 (0.08–0.18)	0.15 (0.1–0.25)
					0.15 (0.1–0.25)	0.2 (0.15–0.3)	0.25 (0.2–0.35)
					0.18 (0.1–0.25)	0.25 (0.1–0.35)	0.3 (0.1–0.45)
	Stainless Steel (Austenite、Diphasic)	≤HB270	NS4115 NS4125	120 (100–160)	0.08 (0.05–0.15)	0.1 (0.08–0.15)	0.12 (0.08–0.2)
					0.08 (0.05–0.15)	0.12 (0.08–0.18)	0.15 (0.1–0.25)
					0.15 (0.1–0.25)	0.2 (0.15–0.3)	0.25 (0.2–0.35)
					0.18 (0.1–0.25)	0.25 (0.1–0.35)	0.3 (0.1–0.45)
K	Grey Cast Iron	≤HB280	NS4115 NS4125	180 (150–220)	0.08 (0.05–0.15)	0.1 (0.08–0.15)	0.12 (0.08–0.2)
					0.08 (0.05–0.15)	0.12 (0.08–0.18)	0.15 (0.1–0.25)
					0.15 (0.1–0.25)	0.2 (0.15–0.3)	0.25 (0.2–0.35)
					0.18 (0.1–0.25)	0.25 (0.1–0.35)	0.3 (0.1–0.45)
	Nodular Cast Iron Vermicular Cast Iron	≤HB350	NS4115 NS4125	120 (100–180)	0.08 (0.05–0.15)	0.1 (0.08–0.15)	0.12 (0.08–0.2)
					0.08 (0.05–0.15)	0.12 (0.08–0.18)	0.15 (0.1–0.25)
					0.15 (0.1–0.25)	0.2 (0.15–0.3)	0.25 (0.2–0.35)
					0.18 (0.1–0.25)	0.25 (0.1–0.35)	0.3 (0.1–0.45)
S	Heat–resistant Alloy and Titanium Alloy	HRC25–35	NS4115 NS4125	40 (30–60)	0.08 (0.05–0.15)	0.12 (0.08–0.18)	0.15 (0.1–0.25)
					0.1 (0.05–0.15)	0.12 (0.08–0.2)	0.15 (0.1–0.25)
					0.1 (0.05–0.15)	0.12 (0.08–0.2)	0.15 (0.1–0.25)
N	Aluminum Alloy	HB60–210	NN9115	500 (200–900)	0.15 (0.1–0.25)	0.2 (0.15–0.3)	0.25 (0.2–0.35)

★ Tool RPM (minˆ(–1)) = (1000 XCutting Speed) / (3.14 X Diameter of Cutter)
★ Workpiece Feed (mm/min) =Feed Per Tooth XNumber Of Tooth XTool RPM

Millling cutter

Two–side spiral blade 90 degree shoulder facing end mill— — it is suitable for all kinds of plane,ladder, slotting machining,is in best efficiency and precision.



Main Characters

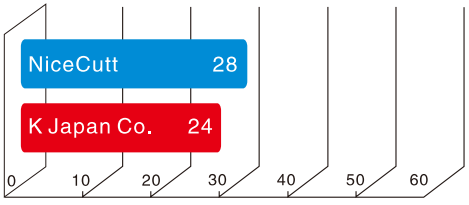
1.The inserts are in two–side and four–blade design, and they are thick and strong for deep milling process.
2.The design of swallow tail oblique trough, conbined with insert reparing blade, could satisfy milling process for high finishing surface requirement.
3.Cutters adopt to orthogonal screw clamp to ensure higher clamp rigidity and safety.
4.Cutters' thick teeth design, combined with the design of low cutting resistance is n high process efficiency.
5.The model 06 thickness design could ensure the most cutting depth up to more than 10mm.
6.The diameter of cutter is from 40mm to 250mm, and it could cover the whole plane.



Case Study 1



Material Science	304 Stainless steel
Processing method	Slotting machining
Insert	ANMX080408–PDR–NS4125
Cutter head	BAN08–1616T2–160



The quantity(pieces)/tip



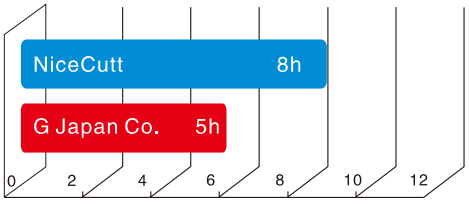
The cutting parameters
Vc=110m/min
fz=0.8mm/t
ap=1.2mm
ae=16mm

Cutting life
+17%

Case Study 2



Material Science	45# (HRC22)
Processing method	Face milling, dry cutting
Insert	ANMX160608–PDR–NS4125
Cutter head	BAN16D063T5–22



The quantity Time(h)/tip



The cutting parameters
Vc=180m/min
f=1.34mm
ap=1.5mm
ae=40mm

Cutting life
+60%

Two face spiral blade 4S degree face milling cutter

It is suitable for all kinds of plane process, and it is used for many places.And we provide goods in high quality at good price.It can clamp two kind of inserts to the same retaining nest. The inserts are the two–side square ones with 8 cutting edges and the two–side octagonal ones with 16 cutting edges



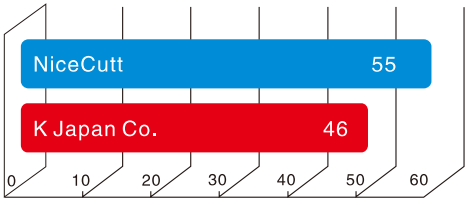
Main characters

- Orthogonal screw clamp could ensure better clamp rigidity and safety.
- Thick tooth design makes much higher efficiency.
- Square inserts could cut 5mm in depth at most, and the orthogonal ones 3mm.
- One cutter with two kinds of inserts is suitable for roughing, semi–finishing and finishing.
- It is very economical, with 8 cutting edges and 16 cutting edges.
- It has repairing light blade inserts, and could lead to high quality.
- The diameter of cutter is from 40mm to 315mm, and it could cover the whole plane.

Case Study 1



Material Science	HT300(HB230)
Processing method	Face milling, dry cutting
Insert	ONMU1205ANEN–NM–NS4125
Cutter head	SONFM45D080T06–27



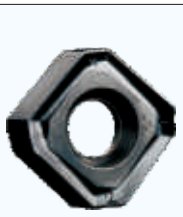
The quantity(pieces)/tip



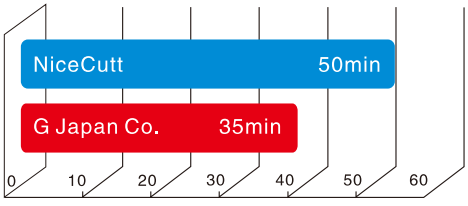
The cutting parameters
Vc=200m/min
fz=0.15mm/t
ap=3.5mm
ae=50mm

Cutting life
+20%

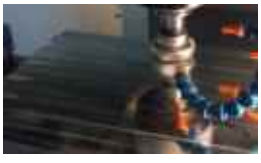
Case Study 2



Material Science	45# (HRC22)
Processing method	Face milling, dry cutting
Insert	SNMU1205ANEN–NM–NS4125
Cutter head	SONFM45D080T06–27



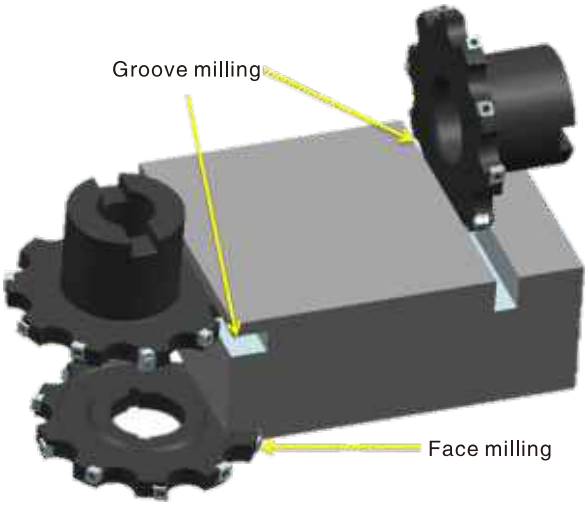
The quantity Time(min)/tip



The cutting parameters
Vc=250m/min
fz=0.2mm/t
ap=2mm
ae=25mm

Cutting life
+40%

TMR Milling Cutter

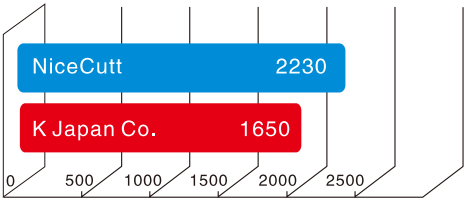




Case Study 1



Material Science	HT250 (HB180–230)
Processing method	Milling back
Insert	CNEU070508–NM–NS4125
Cutter head	TMR–080.H10.06T27–CN07





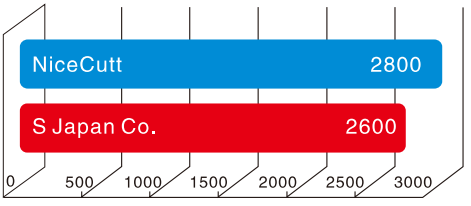
The cutting parameters
Vc=220m/min
fz=0.2mm/t
ap=3.5mm
D=80mm

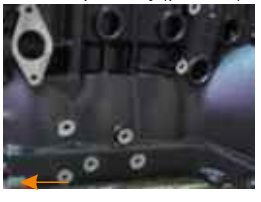
Cutting life
+35%

Case Study 2



Material Science	HT250
Processing method	Milling back
Insert	CNEU070508–NM–NS4125
Cutter head	TMR–125.H10.10T32–CN07





The cutting parameters
Vc=220m/min
fz=0.2mm/t
ap=15mm
ae=125mm

Cutting life
+6%

APMT**/APGT



F008

XCET/QCMT



F009

LSMT/LNMU/LOGU



F010

4NKT/BLMP/JDMT



F011

SEEN/SPKN

F012

ANMX



F012

SEET**NL*/NL



F013

SEET**NL/NM



F013

SEET**NK/NH



F013

SEET**NG/AL



F013

SEET**NW



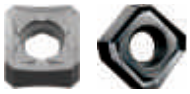
F013

SNEU**NL/NM



F014

SNEU**NL/NM



F014

SNEU**NM



F014

ONMU/HNGX



F014

ODKT**NL/NM



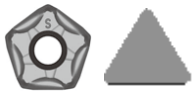
F015

ODKT**NR/NM



F015

PNMU/TPKN



F015

RPET/RPEW



F016

RPEW/RCET



F016

RDET/RDEW



F017

RDEW/RDMW



F017

UDET/UDMT



F018

CNEU



F018

LNMT



F018

HNMX/SNEX



F019

LNKT



F019

QOHX/QPHT



F020

MFT



F021

T2139-P32**



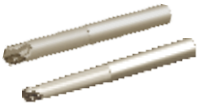
F022

BAP/RP



F023

BFR



F024

BAP



F025–F026

BRP



F027–F028

BRD



F029–F030

DX45/BTC



F031

TP/BSC



F032

AJU/ATS



F033

BUD



F034

BRP/BRD



F035–F036

BAN



F037

BAN



F037

SONFM



F038

TFM55°



F038

SE12 45°



F039

BSE45°



F039

SE13 45°



F040

FM



F040

BM90°



F041

BM90°



F041

BT



F042

HMC



F042

HMC



F043

TMR



F043

SMR



F044

STF



F044

STF



F044

LNK



F045

LNK



F046

F45NM



F046

S45HN09C



F047

MFPN



F047

R2.5



F048

Small diameter fast feed milling bar



F048

HXN



F049

EXN



F049

EXN



F050

TXN



F050

MFH



F051

MFH



F051

MFH



F052

TEBL



F052

TEBL



F053

TEBL



F053

ESE



F054

4NKT



F054

4NKT



F055

4NKT



F055

MFWN



F056

MFSN



F056

F90LN



F057

MFWN



F057

MT



F058

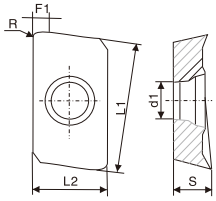
B30/45/60ECC31



F058

APMT

Shoulder Milling Inserts



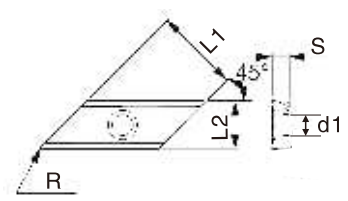
		● continuous	◔ light Interruption		⌗ Interruption
P	Steel	●	◔		●
M	Stainless Steel	●	◔		
K	Cast Iron	●	◔		
N	Non–ferrous Metal			●	
S	Heat–resistant Alloy,TiAlloy	●	◔		
H	High Hardness Materials				

Shape	Ordering Code	Dimensions(mm)						Coated–PVD		Uncoated	Cermet
		L1	L2	S	F1	d1	R	NS4115	NS4125	NN9115	NP115T
	APMT1135PDER–NL	10.83	6.16	3.50	1.92	2.80	0.80	○	●		
	APMT1604PDER–NL	16.26	9.26	4.76	2.00	4.60	0.80	●	●		
	APMT1135PDER–NM	10.83	6.16	3.50	1.92	2.80	0.80	●	●		○
	APMT1604PDER–NM	16.26	9.26	4.76	2.00	4.60	0.80	●	●		○
	APMT1135PDER–NR	10.83	6.16	3.50	1.92	2.80	0.80	●	●		○
	APMT1604PDER–NR	16.26	9.26	4.76	2.20	4.40	0.80	●	●		○
	APGT1135PDFR–AL	10.83	6.16	3.50	1.92	2.80	0.80			●	
	APGT1604PDFR–AL	16.26	9.26	4.76	2.20	4.40	0.80			●	
	APMT1135PDER–M2	10.83	6.16	3.50	1.92	2.80	0.80		●		
	APMT1604PDER–M2	16.26	9.26	4.76	2.20	4.40	0.80		●		
	APMT1135PDER–XM	10.83	6.16	3.50	1.92	2.80	0.80		●		
	APMT1604PDER–XM	16.26	9.26	4.76	2.20	4.40	0.80		●		
	APMT1135PDER–H2	10.83	6.16	3.50	1.92	2.80	0.80		●		
	APMT1604PDER–H2	16.26	9.26	4.76	2.20	4.40	0.80		●		

XCET

Shoulder Milling Inserts

● continuous ◔ light Interruption ⌗ Interruption



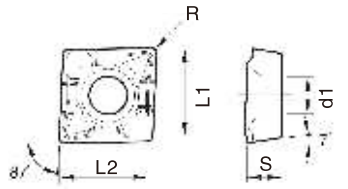
P	Steel	●			
M	Stainless Steel	●			
K	Cast Iron	●			
N	Non–ferrous Metal				
S	Heat–resistant Alloy,TiAlloy				
H	High Hardness Materials				

Shape	Ordering Code	Dimensions(mm)					Coated–PVD		Uncoated	Cermet
		L1	L2	S	R	d1	NS4115	NS4125	NN9115	NP115T
	XCET3100404ER	22.00	12.70	4.50	0.80	5.60	●			

QCMT

Shoulder Milling Inserts

● continuous ◔ light Interruption ⌗ Interruption



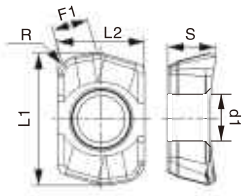
P	Steel	●			
M	Stainless Steel	●			
K	Cast Iron	●			
N	Non–ferrous Metal			●	
S	Heat–resistant Alloy,TiAlloy	◔			
H	High Hardness Materials	◔			

	QCMT050204–CM	5.00	5.40	2.10	0.40	2.30	●			
	QCMT060204–CM	6.00	6.40	2.38	0.40	2.50	●			
	QCMT070304–CM	7.00	7.40	3.18	0.40	2.80	●			
	QCMT080304–CM	8.00	8.40	3.18	0.40	3.40	●			
	QCMT10T304–CM	10.00	10.40	3.97	0.40	4.00	●			
	QCMT130408–CM	12.70	13.50	4.76	0.80	5.50	●			
	QCMT170508–CM	16.70	17.50	5.56	0.80	5.50	●			
	QCGT050204–CM	5.00	5.40	2.10	0.40	2.30			●	
	QCGT060204–CM	6.00	6.40	2.38	0.40	2.50			●	
	QCGT070304–CM	7.00	7.40	3.18	0.40	2.80			●	
	QCGT080304–CM	8.00	8.40	3.18	0.40	3.40			●	
	QCGT10T304–CM	10.00	10.40	3.97	0.40	4.00			●	
	QCGT130408–CM	12.70	13.50	4.76	0.80	5.50			●	
	QCGT170508–CM	16.70	17.50	5.56	0.80	5.50			●	

●Stock ○Availabie upon Order

LSMT

Shoulder Milling Inserts ○ continuous ◔ light Interruption ⌗ Interruption

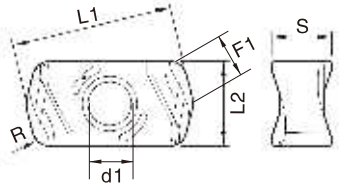


P	Steel	●									
M	Stainless Steel	○									
K	Cast Iron	◔									
N	Non-ferrous Metal										
S	Heat-resistant Alloy,TiAlloy										
H	High Hardness Materials										

Shape	Ordering Code	Dimensions(mm)						Coated-PVD		Uncoated	Cermet
		L1	L2	S	F1	d1	R	NS4115	NS4125	NN9115	NP115T
	LSMT0202ZER-NM	6.40	4.30	2.30	1.70	2.20	1.00	●			

LNMU

Shoulder Milling Inserts ○ continuous ◔ light Interruption ⌗ Interruption

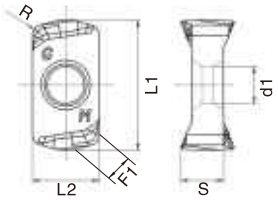


P	Steel	●						●			
M	Stainless Steel	○						○			
K	Cast Iron	◔						◔			
N	Non-ferrous Metal							●			
S	Heat-resistant Alloy,TiAlloy										
H	High Hardness Materials										

	LNMU0303ZER-MJ	11.59	6.00	4.29	3.20	2.80	1.20	●			
	LNMU0202ZER-MJ	6.00	4.00	3.10	1.79	2.00	0.90	●	●		

LOGU

Shoulder Milling Inserts ○ continuous ◔ light Interruption ⌗ Interruption



P	Steel	●									
M	Stainless Steel	○									
K	Cast Iron	◔									
N	Non-ferrous Metal										
S	Heat-resistant Alloy,TiAlloy										
H	High Hardness Materials										

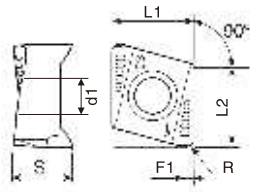
	LOGU030310ER-GH	11.90	6.20	3.96	3.20	3.40	1.00	●			

●Stock ○Availabie upon Order

4NKT

Shoulder Milling Inserts

○ continuous ◔ light Interruption ⧓ Interruption



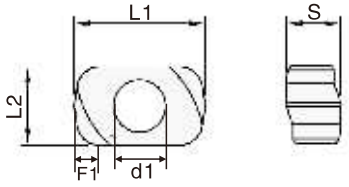
P	Steel	●	
M	Stainless Steel	○	
K	Cast Iron	●	
N	Non-ferrous Metal		
S	Heat-resistant Alloy,TiAlloy	●	
H	High Hardness Materials		

Shape	Ordering Code	Dimensions(mm)						Coated-PVD		Uncoated	Cermet
		L1	L2	S	F1	d1	R	NS4115	NS4125	NN9115	NP115T
	4NKT060304R-M	6.60	5.80	4.20	0.60	3.40	0.40	●			
	4NKT060308R-M	6.60	5.80	4.20	0.60	3.40	0.80	●			

BLMP

Shoulder Milling Inserts

○ continuous ◔ light Interruption ⧓ Interruption



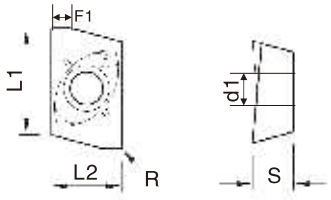
P	Steel	●	
M	Stainless Steel		
K	Cast Iron	●	
N	Non-ferrous Metal		
S	Heat-resistant Alloy,TiAlloy		
H	High Hardness Materials		

	BLMP0603R-M	9.00	6.38	3.73	1.00	3.30		●			

JDMT

Shoulder Milling Inserts

○ continuous ◔ light Interruption ⧓ Interruption



P	Steel	●	
M	Stainless Steel	○	
K	Cast Iron	●	
N	Non-ferrous Metal		
S	Heat-resistant Alloy,TiAlloy		
H	High Hardness Materials		

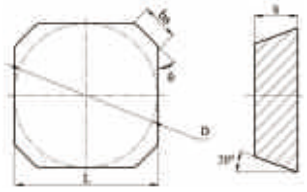
	JDMT070204R-NM	6.40	4.30	2.45	1.30	2.00	0.40	●			

●Stock ○Availabie upon Order

SEEN SPKN

Face Milling Inserts

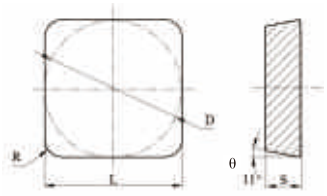
○ continuous ◔ light Interruption ⋕ Interruption



P	Steel	●	◔
M	Stainless Steel	○	◔
K	Cast Iron	●	◔
N	Non–ferrous Metal		
S	Heat–resistant Alloy,TiAlloy	●	◔
H	High Hardness Materials		

Shape	Ordering Code	Dimensions(mm)					Coated–PVD		Uncoated	Cermet
		L	D	S	θ	bs	NS4115	NS4125	NN9115	NP115T
	SEEN1203AFTN	12.70	12.70	3.18	45°	2.30	○	○	○	○
	SEEN1204AFTN	12.70	12.70	4.76	45°	2.40	○	○	○	○
	SEEN1504AFTN	15.88	15.88	4.76	45°	2.40	○	○	○	○

Face Milling Inserts

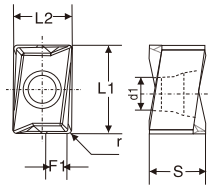


Shape	Ordering Code	Dimensions(mm)					Coated–PVD		Uncoated	Cermet
		L	D	S	θ	R	NS4115	NS4125	NN9115	NP115T
	SPKN1203EDR	12.70	12.70	3.18	15°	1.40	○	○	○	○
	SPKN1203EDL	12.70	12.70	3.18	15°	1.40	○	○	○	○
	SPKN1504EDR	15.88	15.88	4.76	15°	1.40	○	○	○	○
	SPKN1504EDL	15.88	15.88	4.76	15°	1.40	○	○	○	○

ANMX

Shoulder Milling Inserts

○ continuous ◔ light Interruption ⋕ Interruption



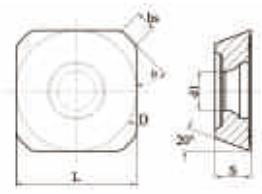
P	Steel	●	◔
M	Stainless Steel	○	◔
K	Cast Iron	●	◔
N	Non–ferrous Metal		
S	Heat–resistant Alloy,TiAlloy	●	◔
H	High Hardness Materials		

Shape	Ordering Code	Dimensions(mm)						Coated–PVD		Uncoated	Cermet
		L1	L2	S	F1	d1	R	NS4115	NS4125	NN9115	NP115T
	ANMX080404–PDR	8.60	6.60	5.20	2.50	3.50	0.40	●	●		
	ANMX080408–PDR	8.60	6.60	5.20	2.50	3.50	0.80	●	●		
	ANMX080404–PDR	13.70	10.00	8.90	3.40	4.40	0.40	●	●		
	ANMX130508–PDR	13.70	10.00	8.90	3.40	4.40	0.80	●	●		
	ANMX160608–PDR	16.70	11.20	10.40	4.70	5.40	0.80	●	●		
	ANMX160616–PDR	16.70	11.20	10.40	4.70	5.40	1.60	●	●		

●Stock ○Availabie upon Order

SEET

Face Milling Inserts



		● continuous	◔ light Interruption		⊕ Interruption
P	Steel	●	◔		●
M	Stainless Steel	●	◔		
K	Cast Iron	●	◔		
N	Non-ferrous Metal			●	
S	Heat-resistant Alloy,TiAlloy	●	◔		
H	High Hardness Materials				

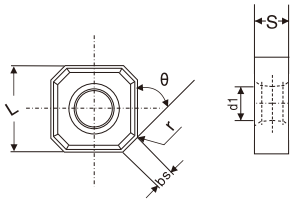
Shape	Ordering Code	Dimensions(mm)						Coated-PVD		Uncoated	Cermet
		L	D	S	d1	θ	bs	NS4115	NS4125	NN9115	NP115T
	SEET1204AFEN-NL*	12.70	12.70	4.76	5.50	45°	2.50	●	○	○	○
	SEET1204AFEN-NL	12.70	12.70	4.76	5.50	45°	2.50			●	
	SEET13T3AGEN-NL	13.40	13.40	3.97	4.40	45°	1.70	●	●		○
	SEET13T3AGEN-NM	13.40	13.40	3.97	4.40	45°	1.20	●	●		
	SEET13T3AGSN-NK	13.40	13.40	3.97	4.40	45°	1.30	○	●		
	SEET13T3AGSN-NH	13.40	13.40	3.97	4.40	45°	1.30	○	●		
	SEET13T3AGSN-NG	13.40	13.40	3.97	4.40	45°	1.30	○	●		
	SEET13T3AGFN-AL	13.40	13.40	3.97	4.40	45°	2.20			●	
	SEET13T3AGEN-NW	7.69	13.40	3.97	4.40	45°	2.20	○	●		

●Stock ○Availabie upon Order

SNEU ONMU HNGX

Face Milling Inserts

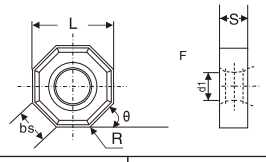
○ continuous ◔ light Interruption ⊕ Interruption



P	Steel	●	◔
M	Stainless Steel	○	◔
K	Cast Iron	●	◔
N	Non–ferrous Metal		●
S	Heat–resistant Alloy,TiAlloy	●	◔
H	High Hardness Materials		

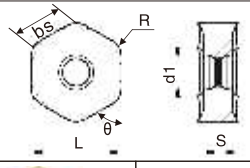
Shape	Ordering Code	Dimensions(mm)						Coated–PVD		Uncoated	Cermet
		L	S	d1	θ	bs	R	NS4115	NS4125	NN9115	NP115T
	SNEU1205ANEN–NL	12.70	6.35	6.00	45°	2.20	0.80	○	●		
	SNEU1205ANEN–NM	12.70	6.35	6.00	45°	2.20	0.80	○	●		
	SNEU1205ANFN–NL	12.70	6.35	6.00	45°	2.20	0.80			●	
	SNMU1205ANER–NM	12.90	5.50	6.00	45°	3.00	0.50	●	●		
	SNMU130508EN–NM	13.00	5.50	6.00	88°	1.00	0.80	●	●		

Face Milling Inserts



		Dimensions(mm)						Coated–PVD		Uncoated	Cermet
		L	S	d1	θ	bs	R	NS4115	NS4125	NN9115	NP115T
	ONMU0505ANEN–NM	12.90	5.50	6.00	45°	5.00	0.50	●	●		
	ONMU080608EN–NM	20.20	6.00	6.00	45°	5.50	0.80	●	●		

Face Milling Inserts

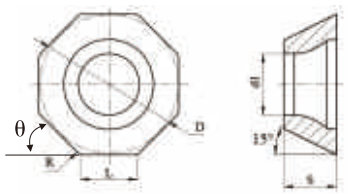


		Dimensions(mm)						Coated–PVD		Uncoated	Cermet
		L	S	d1	θ	bs	R	NS4115	NS4125	NN9115	NP115T
	HNGX0906ANEN–M	16.50	6.35	4.90	60□	8.00	0.50	●			

●Stock ○Availabie upon Order

ODKT PNMU TPKN

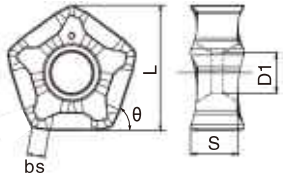
Face Milling Inserts



		○ continuous	◔ light Interruption	⌗ Interruption	
P	Steel	●	◔		
M	Stainless Steel	●	◔		
K	Cast Iron	●	◔	●	
N	Non-ferrous Metal			●	
S	Heat-resistant Alloy,TiAlloy	●	◔		
H	High Hardness Materials				

Shape	Ordering Code	Dimensions(mm)						Coated-PVD		Uncoated	Cermet
		L	D	S	d1	θ	R	NS4115	NS4125	NN9115	NP115T
	ODKT060508-NL	6.50	15.88	5.56	5.56	45°	0.80	○	●		
	ODKT060508-NM	6.50	15.88	5.56	5.56	45°	0.80	○	●		
	ODKT060508-NR	6.50	15.88	5.56	5.56	45°	0.80	○	●		
	ODKT060508-NL	6.50	15.88	5.56	5.56	45°	0.80			●	

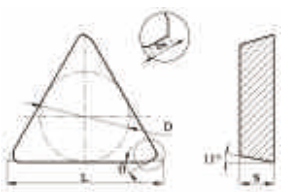
Face Milling Inserts



Dimensions(mm)					Coated-PVD		Uncoated	Cermet
L	D1	S	θ	bs	NS4115	NS4125	NN0115	NP115T

	PNMU0905XNER-GM	14.60	4.70	5.96	72°	2.00	●			

Face Milling Inserts



Dimensions(mm)					Coated-PVD		Uncoated	Cermet
L	D	S	θ	bs	NS4115	NS4125	NN0115	NP115T

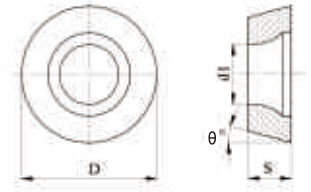
	TPKN1603PDR	16.50	9.53	3.18	30°	1.30			●	
	TPKN2204PDR	22.00	12.70	4.76	30°	1.40			●	

●Stock ○Availabie upon Order

RPET/RPEW/RCET

Profiling Milling Inserts

● continuous ◔ light Interruption ⊕ Interruption



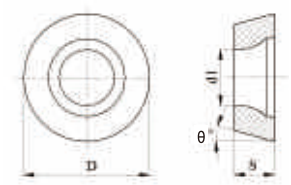
P	Steel	●	◔	
M	Stainless Steel	●	◔	
K	Cast Iron	●	◔	
N	Non–ferrous Metal			
S	Heat–resistant Alloy,TiAlloy	●	◔	
H	High Hardness Materials			

Shape	Ordering Code	Dimensions(mm)				Coated–PVD		Uncoated	Cermet
		D	S	d1	θ	NS4115	NS4125	NN9115	NP115T
	RPET1003M0–NL	10.00	3.18	4.40	11°	○	●		
	RPET1204M0–NL	12.00	4.76	4.40	11°	○	●		
	RPET08T2M0–NM	8.00	2.78	2.94	11°	○	○		
	RPET1003M0T–NM	10.00	3.18	4.40	11°	○	●		
	RPMT1003M0T–NM	10.00	3.18	4.40	11°	●	●		
	RPET1204M0–NM	12.00	4.76	4.40	11°	●	●		
	RPMT1204M0–NM	12.00	4.76	4.40	11°	○	●		
	RPET1204M0T–NM	12.00	4.76	4.40	11°	○	●		
	RPET1606M0T–MM	16.00	6.35	5.50	11°	○	●		
	RPEW08T2M0	8.00	2.78	2.94	11°	○	○		
	RPEW1003M0	10.00	3.18	4.40	11°	○	●		
	RPEW10T3M0	10.00	3.18	4.40	11°	○	●		
	RPMW10T3M0	10.00	3.18	4.40	11°	●	●		
	RPEW1204M0T	12.00	4.76	4.40	11°	●	●		
	RPMW1204M0T	12.00	4.76	4.40	11°	●	●		
	RCET10T3M0–NE	10.00	3.97	4.40	7°	●	●		
	RCET1204M0–NE	12.00	4.76	4.00	7°	○	●		

●Stock ○Availabie upon Order

RDET/RDEW/RDMW

Profiling Milling Inserts



		● continuous	◐ light Interruption	⊕ Interruption	
P	Steel	●	◐		
M	Stainless Steel	●	◐		
K	Cast Iron	●	◐		
N	Non-ferrous Metal				
S	Heat-resistant Alloy,TiAlloy	●	◐		
H	High Hardness Materials				

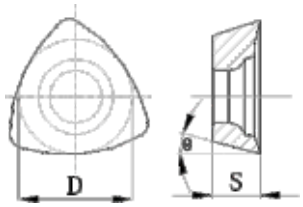
Shape	Ordering Code	Dimensions(mm)				Coated-PVD		Uncoated	Cermet
		D	S	d1	θ	NS4115	NS4125	NN9115	NP115T
	RDET0803M0-NL	8.00	3.18	2.94	15°	○	○		
	RDET10T3M0-NL	10.00	3.97	4.40	15°	○	●		
	RDET1204M0-NL	12.00	4.76	4.40	15°	○	●		
	RDET1604M0-NL	16.00	4.76	5.50	15°	○	●		
	RDET0802M0-NM*	8.00	2.38	2.94	15°	●			
	RDET0803M0-NM	8.00	3.18	2.94	15°	○	○		
	RDET10T3M0-NM	10.00	3.97	4.40	15°	●	●		
	RDMT10T3M0-NM	10.00	3.97	4.40	15°	●	●		
	RDET1204M0-NM	12.00	4.76	4.40	15°	●	●		
	RDMT1204M0-NM	12.00	4.76	4.40	15°	●	●		
	RDET1604M0-NM	16.00	4.76	5.50	15°	○	●		
	RDET1204M0T-NH	12.00	4.76	4.40	15°	●			
	RDMW1605MOT-NH	16.00	5.56	5.50	15°				
	RDEW0501M0	5.00	1.51	2.20	15°	●	○		
	RDEW0702M0T	7.00	2.38	2.80	15°	○	○		
	RDEW0803M0T	8.00	3.18	2.94	15°	●	○		
	RDEW10T3M0T	10.00	3.97	4.40	15°	●	●		
	RDEW1204M0T	12.00	4.76	4.40	15°	●	●		
	RDEW1604M0T	16.00	4.76	5.50	15°	●	●		

●Stock ○Availabie upon Order

UDET/UDMT SDMT CNEU LNMT

Face Milling Inserts

○ continuous ◔ light Interruption ⌗ Interruption

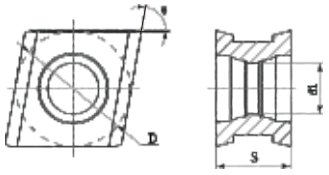


P	Steel	●	◔	
M	Stainless Steel	○	◔	
K	Cast Iron	●	◔	
N	Non–ferrous Metal			
S	Heat–resistant Alloy,TiAlloy	●	◔	
H	High Hardness Materials			

Shape	Ordering Code	Dimensions(mm)				Coated–PVD		Uncoated	Cermet
		D	S	d1	θ	NS4115	NS4125	NN9115	NP115T
	UDET080308–NM	6.80	3.18	2.94	15°	●	●		
	UDET12T312–NM	9.60	3.97	4.40	15°	●	●		
	UDMT080308T–NH	6.80	3.18	2.94	15°	●	●		
	UDMT12T312T–NH	9.60	3.97	4.40	15°	●	●		

Face Milling Inserts

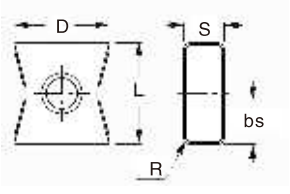
○ continuous ◔ light Interruption ⌗ Interruption



P	Steel	●	◔	
M	Stainless Steel	○	◔	
K	Cast Iron	●	◔	
N	Non–ferrous Metal			
S	Heat–resistant Alloy,TiAlloy	●	◔	
H	High Hardness Materials			

Shape	Ordering Code	Dimensions(mm)					Coated–PVD		Uncoated	Cermet
		D	S	d1	θ	R	NS4115	NS4125	NN9115	NP115T
	CNEU070508–NM	7.60	5.00	3.40	80°	0.80	○	●		

Face Milling Inserts

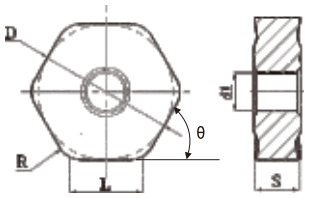


Shape	Ordering Code	Dimensions(mm)					Coated–PVD		Uncoated	Cermet
		L	D	S	R	bs	NS4115	NS4125	NN0115	NP115T
	LNMT150608–MM	15.00	13. 83	6.00	0.80	5.50	●			

●Stock ○Availabie upon Order

HNMX SNEX LNKT

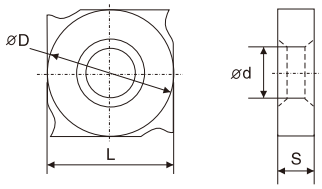
Face Milling Inserts



		○ continuous	◔ light Interruption	⌗ Interruption	
P	Steel	●	◔	●	◔
M	Stainless Steel			○	◔
K	Cast Iron			●	◔
N	Non-ferrous Metal				
S	Heat-resistant Alloy,TiAlloy			●	◔
H	High Hardness Materials				

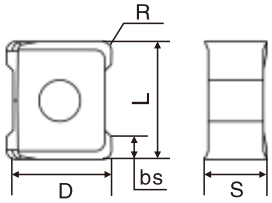
Shape	Ordering Code	Dimensions(mm)						Coated-CVD		Coated-PVD	
		L	D	S	d1	θ	R	NP1115	NP1225	NS4115	NS4125
	HNMX050410-NM	7.10	12.70	5.00	5.00	55°	1.00	○	○	○	●

Shoulder Milling Inserts



		Dimensions(mm)				Coated-CVD		Coated-PVD	
		D	L	S	d1	NP1115	NP1225	NS4115	NS4125
	SNEX1202-GM	12.70	12.70	2.30	5.00	○	●	○	●
	SNEX1203-GM	12.70	12.70	3.00	5.00	○	●	○	●
	SNEX12T3-GM	12.70	12.70	3.50	5.00	○	●	○	●
	SNEX1204-GM	12.70	12.70	4.00	5.00	○	●	○	●
	SNEX12T4-GM	12.70	12.70	4.50	5.00	○	●	○	●

Face Milling Inserts



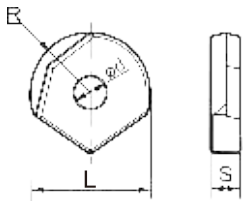
		Dimensions(mm)					Coated-PVD		Uncoated	Cermet
		L	D	S	R	bs	NS4115	NS4125	NN0115	NP115T
	LNKT050404PPTN-M06	10. 00	5. 00	4. 70	0.40	1.30	●			
	LNKT050408PPTN-M06	10. 00	5.00	4.70	0.80	1.30	●			
	LNKT050416PPTN-M06	10.00	5.00	4.70	1.60	1.30	●			
	LNKT050420PPTN-M06	10.00	5.00	4.70	2.00	1.30	●			
	LNKT050424PPTN-M06	10.00	5.00	4.70	2.40	1.30	●			
	LNKT050431PPTN-M06	10.00	5.00	4.70	3.10	1.30	●			
	LNKT060504PPTN-M06	10.00	6.00	5.00	0.40	1.60	●			
	LNKT060508PPTN-M06	10.00	6.00	5.00	0.80	1.60	●			
	LNKT060516PPTN-M06	10.00	6.00	5.00	1.60	1.60	●			
	LNKT080504PPTN-M06	10.00	7.50	5.00	0.40	1.60	●			
	LNKT080508PPTN-M06	10.00	7.50	5.00	0.80	1.60	●			
	LNKT080516PPTN-M06	10.00	7.50	5.00	1.60	1.60	●			

●Stock ○Availabie upon Order

QOHX

Shoulder Milling Inserts

○ continuous ◐ light Interruption ⊕ Interruption



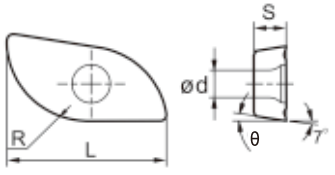
P	Steel				◐
M	Stainless Steel				◐
K	Cast Iron				◐
N	Non-ferrous Metal				
S	Heat-resistant Alloy,TiAlloy				◐
H	High Hardness Materials				

Shape	Ordering Code	Dimensions(mm)				Coated-CVD		Coated-PVD	
		L	S	d	R	NP1115	NP1125	NS4115	NS4125
	P3201-D10	10.00	3.00	4.00	5.00				●
	P3201-D12	12.00	3.00	4.00	6.00				●
	P3201-D16	16.00	4.00	5.00	8.00				●
	P3201-D20	20.00	5.00	5.00	10.00				●
	P3201-D25	25.00	6.00	6.00	12.50				●
	P3201-D32	32.00	7.00	8.00	16.00				●

QPHT

Face Milling Inserts

○ continuous ◐ light Interruption ⊕ Interruption



P	Steel				◐
M	Stainless Steel				◐
K	Cast Iron				◐
N	Non-ferrous Metal				
S	Heat-resistant Alloy,TiAlloy				◐
H	High Hardness Materials				

Shape	Ordering Code	Dimensions(mm)					Coated-CVD		Coated-PVD	
		L	R	S	d1	θ	NP1115	NP1125	NS4115	NS4125
	ZCEW100CE	20.00	10.00	3.97	4.00	11°				●
	ZCEW100SE	20.00	10.00	3.97	4.00	11°				●
	ZCEW125CE	25.00	12.50	4.76	4.70	11°				●
	ZCEW125SE	25.00	12.50	4.76	4.70	11°				●
	ZCEW150CE	30.00	15.00	6.35	5.80	11°				●
	ZCEW150SE	30.00	15.00	6.35	5.80	11°				●
	ZCEW160CE	32.00	16.00	6.35	5.80	11°				●
	ZCEW160SE	32.00	16.00	6.35	5.80	11°				●

●Stock ○Availabie upon Order

MFT Anti vibration milling tool bar series

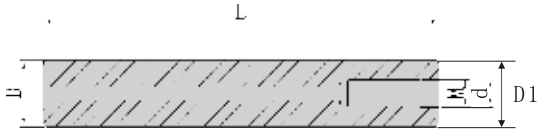










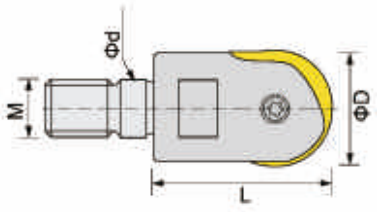


Ordering Code	Stock	Dimensions(mm)				
		D	D1	L	M	d
MFT10–10–100–M5	●	10	10	100	M5	5.5
MFT10–10–150–M5	●	10	10	150	M5	5.5
MFT12–12–100–M6	●	12	12	100	M6	6.5
MFT12–12–150–M6	●	12	12	150	M6	6.5
MFT12–12–200–M6	●	12	12	200	M6	6.5
MFT16–16–100–M8	●	16	16	100	M8	8.5
MFT16–16–150–M8	●	16	16	150	M8	8.5
MFT16–16–200–M8	●	16	16	200	M8	8.5
MFT20–20–150–M10	●	20	20	100	M10	10.5
MFT20–20–200–M10	●	20	20	150	M10	10.5
MFT20–20–250–M10	●	20	20	200	M10	10.5
MFT25–25–150–M12	●	25	25	150	M12	12.5
MFT25–25–200–M12	●	25	25	200	M12	12.5
MFT25–25–250–M12	●	25	25	250	M12	12.5
MFT25–25–300–M12	●	25	25	300	M12	12.5
MFT32–32–150–M16	●	32	32	150	M16	17
MFT32–32–200–M16	●	32	32	200	M16	17
MFT32–32–250–M16	●	32	32	250	M16	17
MFT32–32–300–M16	●	32	32	300	M16	17
MFT32–32–400–M16	●	32	32	400	M16	17

●Stock ○Availabie upon Order

BF Ball End,finish milling cutters(thread)

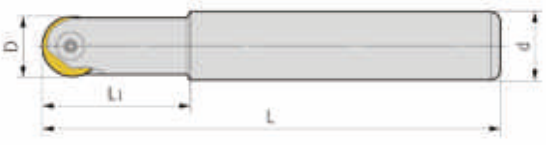




Ordering Code	Stock	Dimensions(mm)				Insert	Screw	Wrench
		D	d	L	M			
WGR10–M05	●	10	5.5	20	M5	P3202–D10	P32–M4	T–15
WGR12–M06	●	12	6.5	22	M6	P3202–D12	P32–M5	T–320
WGR16–M08	●	16	8.5	28	M8	P3202–D16		
WGR20–M10	●	20	10.5	30	M10	P3202–D20		
WGR25–M12	●	25	12.5	40	M12	P3202–D25	P32–M6	T–30
WGR32–M16	●	32	17.0	43	M16	P3202–D32	P32–M8	

BF Ball End,finish milling cutters



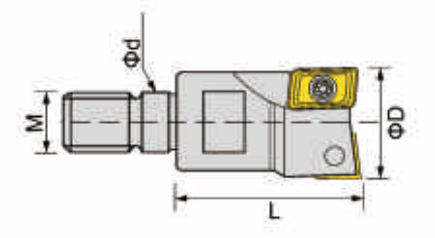


Ordering Code	Stock	Dimensions(mm)				Insert	Screw	Wrench
		D	d	L	L1			
T2139–5R–120–C10	●	10	10	130	30	P3202–D10	P32–M4	T–15
T2139–5R–150–C16	●	10	10	160	35			
T2139–6R–130–C12	●	12	12	130	30	P3202–D12	P32–M5	T20
T2139–6R–150–C12	●	12	12	160	30			
T2139–8R–130–C16	●	16	16	120	30	P3202–D16		
T2139–8R–150–C16	●	16	16	160	30			
T2139–8R–200–C16	●	16	16	200	45			
T2139–10R–150–C20	●	20	20	160	30	P3202–D20		
T2139–10R–200–C20	●	20	20	200	35			
T2139–12.5R–150–C25	●	25	25	160	35	P3202–D25	P32–M6	T30
T2139–12.5R–200–C25	●	25	25	200	40			
T2139–12.5R–250–C25	●	25	25	250	60			
T2139–16R–200–C32	●	32	32	200	55	P3202–D32	P32–M8	
T2139–16R–250–C32	●	32	32	250	70			
T2139–16R–300–C32	●	32	32	300	80			

●Stock ○Availabie upon Order

BAP Shoulder milling cutters

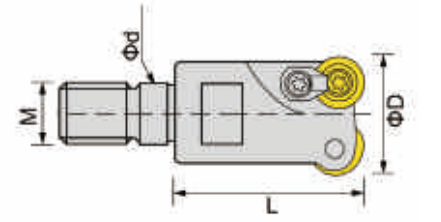




Ordering Code	Stock	Dimensions(mm)				Insert	Screw	Wrench
		D	d	L	M			
BAP3-16-2T-M08	●	16	8.5	25	M8	AP**1135	M2.5*6	T-8
BAP3-17-2T-M08	●	17	8.5	25	M8			
BAP3-20-2T-M10	●	20	10.5	30	M10			
BAP3-21-3T-M10	●	21	10.5	30	M10			
BAP3-25-3T-M12	●	15	12.5	35	M12			
BAP3-26-2T-M12	●	26	12.5	35	M12			
BAP4-25-2T-M12	●	25	12.5	35	M12	AP**1604	M4*10	T-15
BAP4-32-3T-M16	●	32	17	43	M16			
BAP4-35-3T-M16	●	35	17	43	M16			

RP Corner radius milling cutters



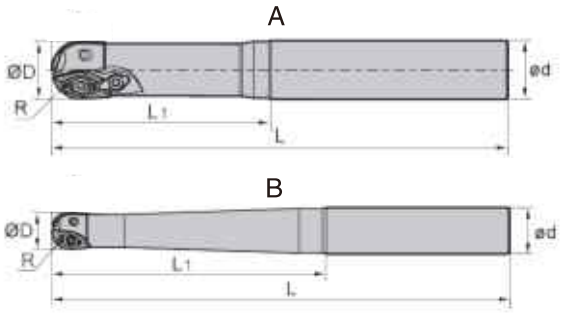


Ordering Code	Stock	Dimensions(mm)				Insert	Screw	Wrench
		D	d	L	M			
RD0802-20-2T-M10	●	20	10.5	32	M10	RD**0802	M2.5*6	T-8
RD0802-21-2T-M10	●	21	10.5	32	M10			
RP1003-25-2T-M12	●	25	12.5	35	M12	RP**1003	M3.5*8	T-15
RP1003-26-2T-M12	●	26	12.5	35	M12			
RP1003-30-3T-M12	●	30	12.5	35	M12			
RP1003-32-3T-M16	●	32	17	43	M16			
RP1003-35-3T-M16	●	35	17	43	M16			

●Stock ○Availabie upon Order

BFR Ball End,milling bar





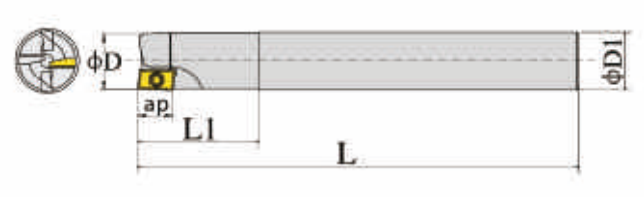
Ordering Code	Stock	Dimensions(mm)				Fig	Insert	Screw	Screw	Wrench
		D	d	L	L1					
BCF–10R–150–C20	●	20	20	150	70	A	ZCEW100CE ZCEW100SE	– – –	M2.5*6 M3*8	T–7 T–10
BCF–10R–200–C25	●	20	25	200	100	B				
BCF–10R–250–C25	●	20	25	250	150					
BCF–12.5R–150–C25	●	25	25	150	80	A	ZCEW125CE ZCEW125SE	– – –	M4*11	T–15
BCF–12.5R–200–C25	●	25	25	200	100					
BCF–12.5R–250–C25	●	25	25	250	110					
BCF–12.5R–300–C32	●	25	32	300	120	B	ZCEW150CE ZCEW150SE	– – –	M4*11 M5*13	T–15 T–20
BCF–15R–160–C32	●	30	32	160	70					
BCF–15R–200–C32	●	30	32	200	100					
BCF–15R–250–C32	●	30	32	250	120					
BCF–16R–160–C32	●	32	32	160	70	A	ZCEW160CE ZCEW160SE	– – –	M4*11 M5*13	T–15 T–20
BCF–16R–200–C32	●	32	32	200	100					
BCF–16R–250–C32	●	32	32	250	120					
BCF–16R–300–C32	●	32	32	300	150					

Ordering Code	Stock	Dimensions(mm)				Fig	Insert	Screw	Screw	Wrench
		D	d	L	L1					
BCFL–10R–150–C20	●	20	20	150	70	A	ZCEW100CE ZCEW100SE CPMT080204	– – –	M2.5*6 M3*8	T–7 T–10
BCFL–10R–200–C25	●	20	25	200	100	B				
BCFL–10R–250–C25	●	20	25	250	150					
BCFL–12.5R–150–C25	●	25	25	150	80	A	ZCEW125CE ZCEW125SE CPMT090308	– – –	M4*11	T–15
BCFL–12.5R–200–C25	●	25	25	200	100					
BCFL–12.5R–250–C25	●	25	25	250	110					
BCFL–12.5R–300–C32	●	25	32	300	120	B	ZCEW150CE ZCEW150SE CPMT090308	– – –	M4*11 M5*13	T–15 T–20
BCFL–15R–160–C32	●	30	32	160	70					
BCFL–15R–200–C32	●	30	32	200	100					
BCFL–15R–250–C32	●	30	32	250	120					
BCFL–16R–160–C32	●	32	32	160	70	A	ZCEW160CE ZCEW160SE CPMT090308	– – –	M4*11 M5*13	T–15 T–20
BCFL–16R–200–C32	●	32	32	200	100					
BCFL–16R–250–C32	●	32	32	250	120					
BCFL–16R–300–C32	●	32	32	300	150					

●Stock ○Availabie upon Order

BAP Straight shank milling cutter BAP series



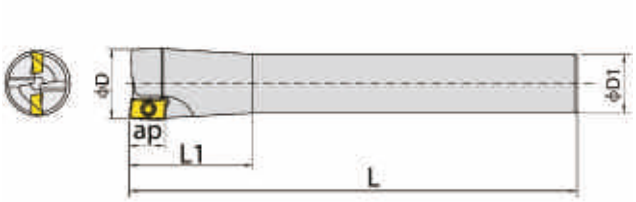


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L	Z	ap			
BAP300R-10-1T-10-120	●	10	10	120	1	9	AP**1135	M2.5*6	T-8
BAP300R-12-1T-12-120	●	12	12	120					
BAP300R-16-2T-16-120	●	16	16	120	2				
BAP300R-16-2T-16-150	●	16	16	150					
BAP300R-16-2T-16-160	●	16	16	160					
BAP300R-16-2T-16-200	●	16	16	200					
BAP300R-20-2T-20-120	●	20	20	120					
BAP300R-20-2T-20-150	●	20	20	150					
BAP300R-20-2T-20-160	●	20	20	160					
BAP300R-20-2T-20-200	●	20	20	200					
BAP300R-25-3T-25-120	●	25	25	120	3				
BAP300R-25-3T-25-150	●	25	25	150					
BAP300R-25-3T-25-160	●	25	25	160					
BAP300R-25-3T-25-200	●	25	25	200					
BAP300R-32-3T-32-160	●	32	32	160					
BAP300R-32-3T-32-200	●	32	32	200					
BAP300R-32-3T-32-250	●	32	32	250					
BAP400R-25-2T-25-120	●	25	25	120	2	14	AP**1604	M4*10	T-15
BAP400R-25-2T-25-150	●	25	25	150					
BAP400R-25-2T-25-160	●	25	25	160					
BAP400R-25-2T-25-200	●	25	25	200					
BAP400R-25-2T-25-250	●	25	25	250					
BAP400R-32-2T-32-160	●	32	32	160					
BAP400R-32-2T-32-200	●	32	32	200					
BAP400R-32-2T-32-250	●	32	32	250					

●Stock ○Availabie upon Order

BAP Variable Head,mills BAP series



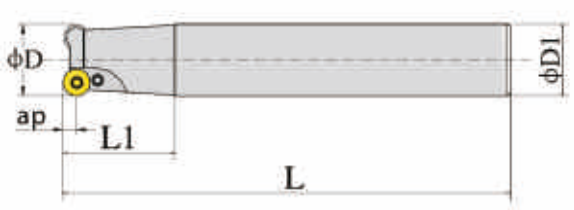


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L	Z	ap			
BAP300R-17-2T-16-120	●	17	16	120	2	9	AP**1135	M2.5*6	T-8
BAP300R-17-2T-16-150	●	17	16	150					
BAP300R-17-2T-16-160	●	17	16	160					
BAP300R-17-2T-16-200	●	17	16	200					
BAP300R-21-2T-20-120	●	21	20	120					
BAP300R-21-2T-20-150	●	21	20	150					
BAP300R-21-2T-20-160	●	21	20	160					
BAP300R-21-2T-20-200	●	21	20	200					
BAP300R-26-3T-25-120	●	26	25	120	3				
BAP300R-26-3T-25-150	●	26	25	150					
BAP300R-26-3T-25-160	●	26	25	160					
BAP300R-26-3T-25-200	●	26	25	200					
BAP300R-26-3T-25-250	●	26	25	250					
BAP300R-32-3T-25-120	●	32	25	120					
BAP300R-32-3T-25-150	●	32	25	150					
BAP300R-32-3T-25-160	●	32	25	160					
BAP300R-32-3T-25-200	●	32	25	200					
BAP300R-32-3T-25-250	●	32	25	250					
BAP300R-35-3T-32-160	●	35	32	160					
BAP300R-35-3T-32-200	●	35	32	200					
BAP300R-35-3T-32-250	●	35	32	250					
BAP400R-26-2T-25-120	●	26	25	120	2	14	AP**1604	M4*10	T-15
BAP400R-26-2T-25-150	●	26	25	150					
BAP400R-26-2T-25-160	●	26	25	160					
BAP400R-26-2T-25-200	●	26	25	200					
BAP400R-26-2T-25-250	●	26	25	250					
BAP400R-32-2T-25-160	●	32	25	160					
BAP400R-32-2T-25-200	●	32	25	200					
BAP400R-32-2T-25-250	●	32	25	250					
BAP400R-35-3T-32-160	●	35	32	160	3				
BAP400R-35-3T-32-200	●	35	32	200					
BAP400R-35-3T-32-250	●	35	32	250					

●Stock ○Availabie upon Order

BRP Straight shank milling cutter BRP series



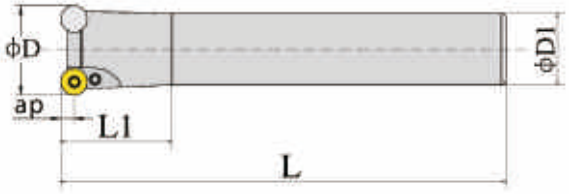


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench	Clamp
		D	D1	L	Z	ap				
BRP4R–16–2T–16–120	●	16	16	120	2	4	RP**08T2	M3.0*6	T–10	R4YD
BRP4R–16–2T–16–150	●	16	16	150						
BRP4R–16–2T–16–160	●	16	16	160						
BRP4R–16–2T–16–200	●	16	16	200						
BRP4R–20–2T–20–120	●	20	20	120						
BRP4R–20–2T–20–150	●	20	20	150						
BRP4R–20–2T–20–160	●	20	20	160						
BRP4R–20–2T–20–200	●	20	20	200						
BRP4R–25–3T–25–120	●	25	25	120	3					
BRP4R–25–3T–25–150	●	25	25	150						
BRP4R–25–3T–25–160	●	25	25	160						
BRP4R–25–3T–25–200	●	25	25	200						
BRP5R–16–1T–16–120	●	16	16	120	1	5	RP**10T3	M3.5*8	T–15	R5YD
BRP5R–16–1T–16–160	●	16	16	160						
BRP5R–16–1T–16–200	●	16	16	200						
BRP5R–20–1T–20–120	●	20	20	120						
BRP5R–20–1T–20–160	●	20	20	160						
BRP5R–20–1T–20–200	●	20	20	200						
BRP5R–25–2T–25–120	●	25	25	120	2					
BRP5R–25–2T–25–160	●	25	25	160						
BRP5R–25–2T–25–200	●	25	25	200						
BRP5R–25–2T–25–250	●	25	25	250						
BRP5R–32–3T–32–160	●	32	32	160	3					
BRP5R–32–3T–32–200	●	32	32	200						
BRP5R–32–3T–32–250	●	32	32	250						
BRP6R–25–2T–25–160	●	25	25	160	2	6	RP**1204	M4.0*10	T–15	R6YD
BRP6R–25–2T–25–200	●	25	25	200						
BRP6R–25–2T–25–250	●	25	25	250						
BRP6R–32–3T–32–160	●	32	32	160	3					
BRP6R–32–3T–32–200	●	32	32	200						
BRP6R–32–3T–32–250	●	32	32	250						

●Stock ○Availabie upon Order

BRP Mills,variable head BRP series



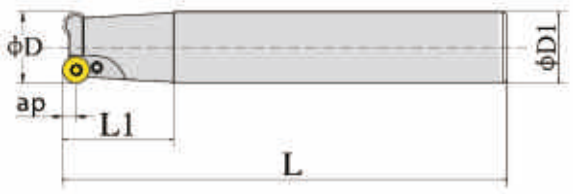


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench	Clamp
		D	D1	L	Z	ap				
BRP4R–17–2T–16–120	●	17	16	120	2	4	RP**08T2	M3.0*6	T–10	R4YD
BRP4R–17–2T–16–160	●	17	16	160						
BRP4R–17–2T–16–200	●	17	16	200						
BRP4R–21–2T–20–120	●	21	20	120						
BRP4R–21–2T–20–160	●	21	20	160						
BRP4R–21–2T–20–200	●	21	20	200						
BRP4R–26–3T–25–120	●	26	25	120	3					
BRP4R–26–3T–25–160	●	26	25	160						
BRP4R–26–3T–25–200	●	26	25	200						
BRP5R–17–1T–16–120	●	17	16	120	1	5	RP**10T3	M3.5*8	T–15	R5YD
BRP5R–17–1T–16–160	●	17	16	160						
BRP5R–17–1T–16–200	●	17	16	200						
BRP5R–21–1T–20–120	●	21	20	120						
BRP5R–21–1T–20–160	●	21	20	160						
BRP5R–21–1T–20–200	●	21	20	200						
BRP5R–26–2T–25–120	●	26	25	120	2					
BRP5R–26–2T–25–160	●	26	25	160						
BRP5R–26–2T–25–200	●	26	25	200						
BRP5R–26–2T–25–250	●	26	25	250						
BRP5R–32–3T–25–160	●	32	25	160	3					
BRP5R–32–3T–25–200	●	32	25	200						
BRP5R–32–3T–25–250	●	32	25	250						
BRP5R–35–3T–32–160	●	35	32	160						
BRP5R–35–3T–32–200	●	35	32	200						
BRP5R–35–3T–32–250	●	35	32	250						
BRP6R–26–2T–25–160	●	26	25	160	2	6	RP**1204	M4.0*10	T–15	R6YD
BRP6R–26–2T–25–200	●	26	25	200						
BRP6R–26–2T–25–250	●	26	25	250						
BRP6R–32–3T–25–160	●	32	25	160	3					
BRP6R–32–3T–25–200	●	32	25	200						
BRP6R–32–3T–25–250	●	32	25	250						
BRP6R–35–3T–32–160	●	35	32	160						
BRP6R–35–3T–32–200	●	35	32	200						
BRP6R–35–3T–32–250	●	35	32	250						

●Stock ○Availabie upon Order

BRD Straight shank milling cutter BRD series



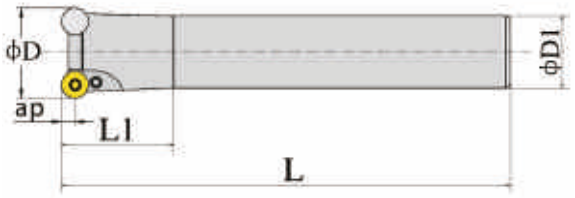


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench	Clamp
		D	D1	L	Z	ap				
BRD4R–16–2T–16–120	●	16	16	120	2	4	RD**0802	M3.0*6	T–10	R4YD
BRD4R–16–2T–16–150	●	16	16	150						
BRD4R–16–2T–16–160	●	16	16	160						
BRD4R–16–2T–16–200	●	16	16	200						
BRD4R–20–2T–20–120	●	20	20	120						
BRD4R–20–2T–20–150	●	20	20	150						
BRD4R–20–2T–20–160	●	20	20	160						
BRD4R–20–2T–20–200	●	20	20	200						
BRD4R–25–3T–25–120	●	25	25	120	3					
BRD4R–25–3T–25–150	●	25	25	150						
BRD4R–25–3T–25–160	●	25	25	160						
BRD4R–25–3T–25–200	●	25	25	200						
BRD5R–16–1T–16–120	●	16	16	120	1	5	RD**10T3	M3.5*8	T–15	R5YD
BRD5R–16–1T–16–160	●	16	16	160						
BRD5R–16–1T–16–200	●	16	16	200						
BRD5R–20–1T–20–120	●	20	20	120						
BRD5R–20–1T–20–160	●	20	20	160						
BRD5R–20–1T–20–200	●	20	20	200						
BRD5R–25–2T–25–120	●	25	25	120	2					
BRD5R–25–2T–25–160	●	25	25	160						
BRD5R–25–2T–25–200	●	25	25	200						
BRD5R–25–2T–25–250	●	25	25	250						
BRD5R–32–3T–32–160	●	32	32	160	3					
BRD5R–32–3T–32–200	●	32	32	200						
BRD5R–32–3T–32–250	●	32	32	250						
BRD6R–25–2T–25–160	●	25	25	160	2	6	RD**1204	M4.0*10	T–15	R6YD
BRD6R–25–2T–25–200	●	25	25	200						
BRD6R–25–2T–25–250	●	25	25	250						
BRD6R–32–3T–32–160	●	32	32	160	3					
BRD6R–32–3T–32–200	●	32	32	200						
BRD6R–32–3T–32–250	●	32	32	250						

●Stock ○Availabie upon Order

BRD Mills,variable head BRD series



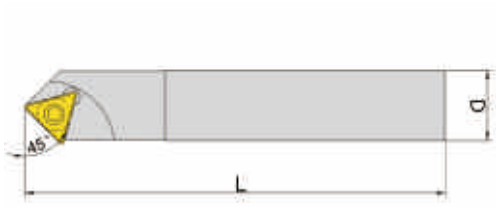


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench	Clamp
		D	D1	L	Z	ap				
BRD4R–17–2T–16–120	●	17	16	120	2	4	RD**0802	M3.0*6	T–10	R4YD
BRD4R–17–2T–16–160	●	17	16	160						
BRD4R–17–2T–16–200	●	17	16	200						
BRD4R–21–2T–20–120	●	21	20	120						
BRD4R–21–2T–20–160	●	21	20	160						
BRD4R–21–2T–20–200	●	21	20	200						
BRD4R–26–3T–25–120	●	26	25	120	3					
BRD4R–26–3T–25–160	●	26	25	160						
BRD4R–26–3T–25–200	●	26	25	200						
BRD5R–17–1T–16–120	●	17	16	120	1	5	RD**10T3	M3.5*8	T–15	R5YD
BRD5R–17–1T–16–160	●	17	16	160						
BRD5R–17–1T–16–200	●	17	16	200						
BRD5R–21–1T–20–120	●	21	20	120						
BRD5R–21–1T–20–160	●	21	20	160						
BRD5R–21–1T–20–200	●	21	20	200						
BRD5R–26–2T–25–120	●	26	25	120	2					
BRD5R–26–2T–25–160	●	26	25	160						
BRD5R–26–2T–25–200	●	26	25	200						
BRD5R–26–2T–25–250	●	26	25	250						
BRD5R–32–3T–25–160	●	32	25	160	3					
BRD5R–32–3T–25–200	●	32	25	200						
BRD5R–32–3T–25–250	●	32	25	250						
BRD5R–35–3T–32–160	●	35	32	160						
BRD5R–35–3T–32–200	●	35	32	200						
BRD5R–35–3T–32–250	●	35	32	250						
BRD6R–26–2T–25–160	●	26	25	160	2	6	RD**1204	M4.0*10	T–15	R6YD
BRD6R–26–2T–25–200	●	26	25	200						
BRD6R–26–2T–25–250	●	26	25	250						
BRD6R–32–3T–25–160	●	32	25	160	3					
BRD6R–32–3T–25–200	●	32	25	200						
BRD6R–32–3T–25–250	●	32	25	250						
BRD6R–35–3T–32–160	●	35	32	160						
BRD6R–35–3T–32–200	●	35	32	200						
BRD6R–35–3T–32–250	●	35	32	250						

●Stock ○Availabie upon Order

DX45 Pilot drill series

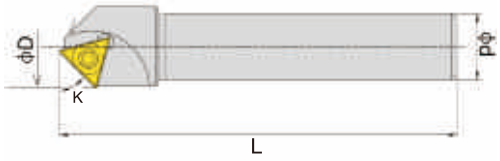




Ordering Code	Stock	Dimensions(mm)		Insert	Screw	Wrench
		D	L			
DX45–16–120	●	20	120	TCGT16T302	M4.0*10	T–15

B30TC Chamfer cutter BTC series



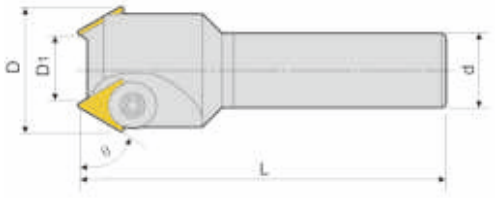


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	d	L	Z	K			
B30TC11 20 1T20–120	●	20	20	120	1	30°	TC**1102	M2.5*6	T–8
B30TC11 25 2T20–120	●	25	20	120	2	30°			
B45TC11 20 1T20–120	●	20	20	120	1	45°			
B45TC11 25 2T20–120	●	25	20	120	2	45°			
B60TC11 20 1T20–120	●	20	20	120	1	60°			
B60TC11 25 2T20–120	●	25	20	120	2	60°			
B30TC16 20 1T20–120	●	20	20	120	1	30°	TC**16T3	M2.5*7	T–9
B30TC16 32 2T25–120	●	32	25	120	2	30°			
B45TC16 20 1T20–120	●	20	20	120	1	45°			
B45TC16 32 2T25–120	●	32	25	120	2	45°			
B60TC16 20 1T20–120	●	20	20	120	1	60°			
B60TC16 32 2T25–120	●	32	25	120	2	60°			

●Stock ○Availabie upon Order

TP Chamfer cutter bar

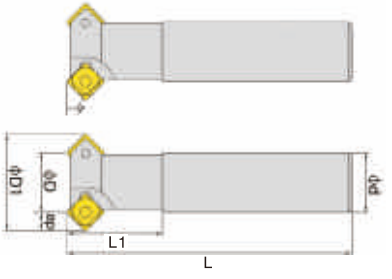




Ordering Code	Stock	Dimensions(mm)						Insert	Screw	Wrench
		D	D1	d	L	Z	K			
TP60–C25–40–120–2T	●	37.7	15.8	25	120	2	60°	TP**1603	M060H080	L4.0
TP45–C20–20–120–1T	●	20.4	4	20	120	1	45°			
TP45–C20–32–120–2T	●	30.2	12	20	120	2	45°			
TP45–C25–50–160–3T	●	49	24	25	160	3	45°	TP**2204	M080H120	L5.0
TP30–C25–40–120–2T	●	39	26	25	120	2	30°	TP**1603	M060H080	L4.0
TP30–C32–55–160–3T	●	54.5	36	32	160	3	30°	TP**2204	M080H120	L5.0

B45SC Chamfer cutter BSC series(Multi–purpose)



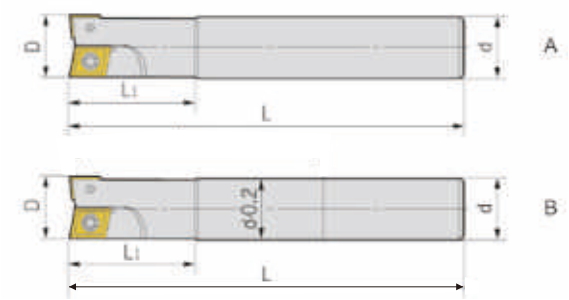


Ordering Code	Stock	Dimensions(mm)						Insert	Screw	Wrench
		D	D1	d	L	Z	K			
B45SC–09–1T20–120	●	9	22.6	20	120	1	45°	SC**09T3	M3.5*8	T–15
B45SC–19–2T20–120	●	19	32.1	20	120	2	45°			
B45SC–25–2T25–120	●	25	41.3	25	120	2	45°	SC**1204	M5*12	T–20

●Stock ○Availabie upon Order

AJU Center drilling mills

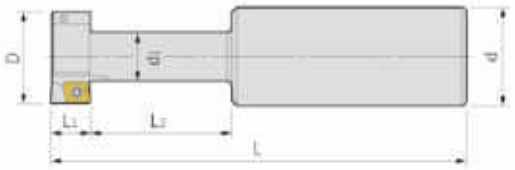




Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	d	L	L1	Z			
AJU-C16-16-120-2T	●	16	16	120	35	2	CCMT060204 CPMT080204Z	M2.5*6	T-8
AJU-C16-16-150-2T	●	16	16	150	35				
AJU-C16-16-200-2T	●	16	16	200	40				
AJU-C16-17-150-2T	●	17	16	150	35				
AJU-C16-17-200-2T	●	17	16	200	40				
AJU-C20-20-150-2T	●	20	20	150	50		CCMT060204 CPMT090204Z	M2.5*6 M3.5*8	T-8 T-15
AJU-C20-20-200-2T	●	20	20	200	60				
AJU-C20-21-150-2T	●	21	20	150	50				
AJU-C20-21-200-2T	●	21	20	200	60				
AJU-C25-25-160-2T	●	25	25	160	60		CCMT090308 CPMT120308Z	M4.0*8	T-15
AJU-C25-25-200-2T	●	25	25	200	70				
AJU-C25-25-250-2T	●	25	25	250	80				
AJU-C32-32-200-2T	●	32	32	200	60		CPMT120408 CPMT160408Z	M5.0*11	
AJU-C32-32-250-2T		32	32	250	70				

ATS T-Slot Milling cutter





Ordering Code	Stock	Dimensions(mm)						Insert	Screw	Wrench
		D	d	d1	L	L1	l2			
ATS25-C25-120-2T-06	●	25	25	12.5	120	11	21	CCMT060204	M2.5*6	T-8
ATS30-C25-120-4T-06	●	30	25	15	120	14	30	CCMT060204		
ATS32-C25-120-4T-08	●	32	25	16	120	14	30	CPMT080204		
ATS35-C32-120-4T-09	●	35	25	17.5	120	18	32	CCMT09T308	M4.0*8	T-15
ATS40-C32-120-4T-09	●	40	32	20	120	18	32	CCMT09T308		
ATS50-C32-120-4T-12	●	50	32	25	120	22	39	CCMT120408	M5.0*11	T-20

●Stock ○Availabie upon Order

BUD

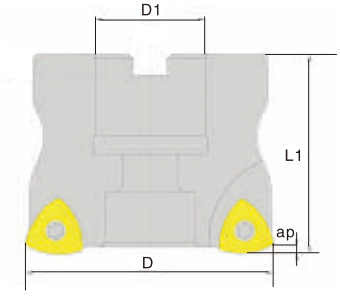




Ordering Code	Stock	Dimensions(mm)						Insert	Screw	Wrench
		D	D1	L	L1	ap	Z			
BUD08–20–2T20–120	○	20	20	120	40	1.0	2	UD**0803	M3*7	T–8
BUD08–20–2T20–160	○	20	20	160	50	1.0				
BUD08–20–2T20–200	○	20	20	200	60	1.0				
BUD08–25–2T25–120	○	25	25	120	40	1.0				
BUD08–25–2T25–160	○	25	25	160	50	1.0				
BUD08–25–2T25–200	○	25	25	200	60	1.0				
BUD12–25–2T25–160	○	25	25	160	50	1.5		UD**12T3	M4*10	T–15
BUD12–25–2T25–200	○	25	25	200	60	1.5				
BUD12–32–3T32–160	○	32	32	160	50	1.5	3			
BUD12–32–3T32–200	○	32	32	200	60	1.5				

BUD



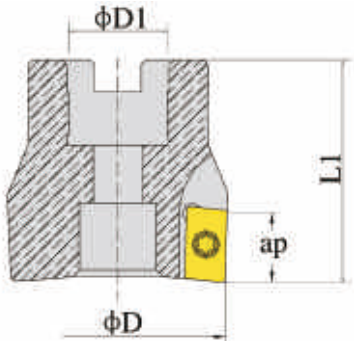


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L1	ap	Z			
BUD12–050–4T–22	○	50	22	50	1.5	4	UD**12T3	M4*10	T–15
BUD12–063–4T–22	○	63	22	50		4			
BUD12–080–5T–27	○	80	27	50		5			
BUD12–100–6T–32	○	100	32	50		6			

●Stock ○Availabie upon Order

BAP Mills series

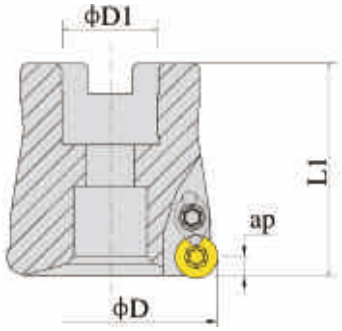




Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L1	ap	Z			
BAP400R 050 4T 22	●	50	22	50	16	4	AP**1604	M4*10	T-15
BAP400R 063 4T 22	●	63	22	50		4			
BAP400R 063 5T 22	●	63	22	50		5			
BAP400R 080 6T 27	●	80	27	50		6			
BAP400R 100 6T 32	●	100	32	50		6			
BAP400R 125 6T 40	●	125	40	63		6			
BAP400R 050 4T 25.4	○	50	25.4	50		4			
BAP400R 063 5T 25.4	○	63	25.4	50		5			
BAP400R 080 6T 25.4	○	80	25.4	50		6			
BAP400R 100 6T 31.75	○	100	31.75	50		6			

BRP Mills series



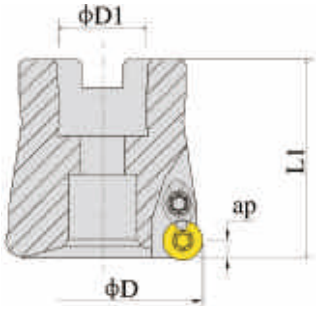


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench	Clamp
		D	D1	L1	ap	Z				
BRP 5R 050 4T 22	●	50	22	50	5	4	RP**1003	M3.5*8	T-15	R5YD
BRP 5R 063 4T 22	●	63	22	50		4				
BRP 5R 063 5T 22	●	63	22	50		5				
BRP 5R 080 6T 27	●	80	27	50		6				
BRP 5R 100 6T 32	●	100	32	50		6				
BRP 6R 050 4T 22	●	50	22	50	6	4	RP**1204	M4.0*10	T-15	R6YD
BRP 6R 063 4T 22	●	63	22	50		4				
BRP 6R 080 6T 27	●	80	27	50		6				
BRP 6R 100 6T 32	●	100	32	50		6				

●Stock ○Availabie upon Order

BRD Mills series



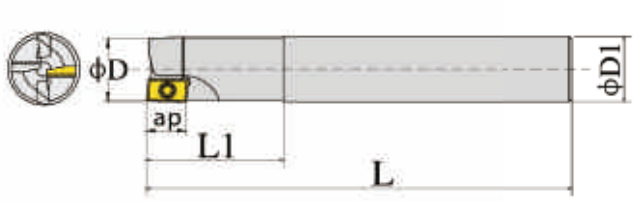


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench	Clamp
		D	D1	L1	ap	Z				
BRD 5R 050 4T 22	●	50	22	50	5	4	RD**10T3	M3.5*8	T-15	R5YD
BRD 5R 063 4T 22	●	63	22	50		4				
BRD 5R 063 5T 22	●	63	22	50		5				
BRD 5R 080 6T 27	●	80	27	50		6				
BRD 5R 100 6T 32	●	100	32	50		6				
BRD 5R 125 7T 40	●	125	40	63		7				
BRD 5R 050 4T 25.4	○	50	25.4	50		4				
BRD 5R 063 4T 25.4	○	63	25.4	50		4				
BRD 5R 080 6T 25.4	○	80	25.4	50		6				
BRD 5R 100 6T 31.75	○	100	31.75	50		6				
BRD 5R 125 7T 38.1	○	125	38.1	63		7				
BRD 6R 050 4T 22	●	50	22	50	6	4	RD**1204	M4.0*10	T-15	R6YD
BRD 6R 063 4T 22	●	63	22	50		4				
BRD 6R 063 5T 22	●	63	22	50		5				
BRD 6R 080 6T 27	●	80	27	50		6				
BRD 6R 100 6T 32	●	100	32	50		6				
BRD 6R 125 7T 40	●	125	40	63		7				
BRD 6R 050 4T 25.4	○	50	25.4	50		4				
BRD 6R 063 4T 25.4	○	63	25.4	50		4				
BRD 6R 080 6T 25.4	○	80	25.4	50		6				
BRD 6R 100 6T 31.75	○	100	31.75	50		6				
BRD 6R 125 7T 38.1	○	125	38.1	63		7				
BRD 8R 063 4T 22	●	63	22	50	8	4	RD**1604	M5.0*12	T-20	R6YD
BRD 8R 080 5T 27	●	80	27	50		5				
BRD 8R 100 6T 32	●	100	32	50		6				
BRD 8R 125 7T 40	●	125	40	63		7				
BRD 8R 160 8T 40	●	160	40	63		8				
BRD 10R 100 6T 40	○	100	31.75	50	10	6	RD**2006			R10YD
BRD 10R 125 7T 40	○	125	38.1	63		7				
BRD 10R 160 8T 60	○	160	50.8	63		8				

●Stock ○Availabie upon Order

BAN

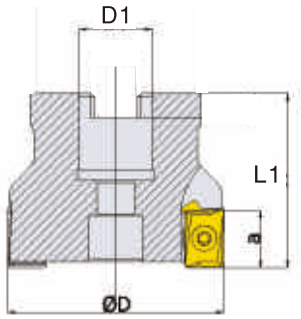




Ordering Code	Stock	Dimensions(mm)						Insert	Screw	Wrench
		D	D1	L	L1	ap	Z			
BAN08–1616T2–125	●	16	16	125	26	8	2	AN**0804	AN09–M3.0*7	T–8
BAN08–1616T2–160	●	16	16	160			2			
BAN08–2020T3–125	●	20	20	125			3			
BAN08–2020T3–160	●	20	20	160			3			
BAN08–2525T4–125	●	25	25	125			4			
BAN08–2525T4–160	●	25	25	160			4			
BAN08–3232T5–160	●	32	32	160			5			
BAN13–2525T2–125	●	25	25	125		13	2	AN**1305	AN13–M4.0*12	T–15
BAN13–2525T2–160	●	25	25	160			2			
BAN13–3232T3–160	●	32	32	160			3			
BAN13–3232T3–200	●	32	32	200			3			
BAN13–4040T4–160	○	40	40	160			4			
BAN13–4040T4–200	○	40	40	200			4			

BAN



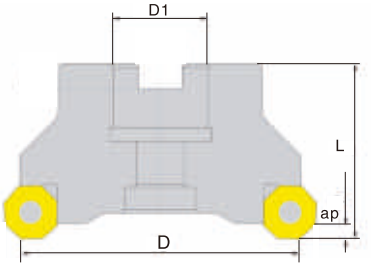


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L1	ap	Z			
BAN08D040T5–16	●	40	16	50	16	5	AN**0804	AN09–M3.0*7	T–8
BAN16D050T4–22	●	50	22	50		4	AN**1606	AN16–M5.0*14	T–20
BAN16D063T5–22	●	63	22	50		5			
BAN16D080T6–27	●	80	27	50		6			
BAN16D100T7–32	●	100	32	50		7			
BAN16D125T8–40	●	125	40	63		8			
BAN16D160T10–40	●	160	40	63		10			
BAN16D200T12–60	●	200	60	63		12			
BAN16D250T14–60	●	250	60	63		14			
BAN16D315T16–60	●	315	60	63		16			

●Stock ○Availabie upon Order

SONFM

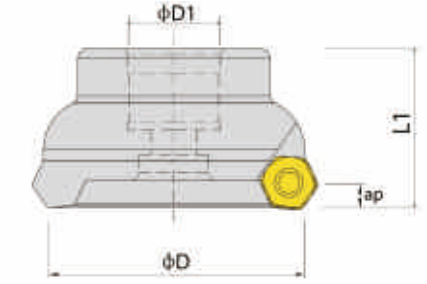




Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L	ap	Z			
SONFM45D050T04–22	●	50	22	50	3–6	4	SN**1205 0N**1205	MS5*14	T–20
SONFM45D063T05–22	●	63	22	50		5			
SONFM45D080T06–27	●	80	27	50		6			
SONFM45D100T07–32	●	100	32	50		7			
SONFM45D125T08–40	●	125	40	63		8			
SONFM45D160T10–40	●	160	40	63		10			
SONFM45D200T12–60	●	200	60	63		12			
SONFM45D250T14–60	●	250	60	63		14			
SONFM45D315T18–60	●	315	60	63		18			

TFM55° Facing mills series



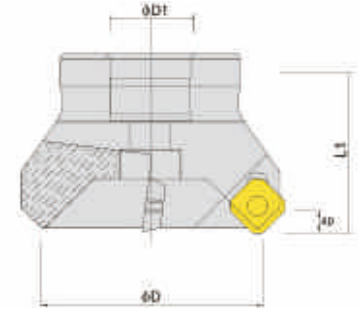


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L1	ap	Z			
TFM55AHNS 050 4T 22	●	50	22	50	4	4	HN**0504	M4.5*12	T–20
TFM55AHNS 063 5T 22	●	63	22	50		5			
TFM55AHNS 080 6T 27	●	80	27	50		6			
TFM55AHNS 100 7T 32	●	100	32	50		7			
TFM55AHNS 125 8T 40	●	125	40	63		8			
TFM55AHNS 160 9T 40	●	160	40	63		9			

●Stock ○Availabie upon Order

SE45° Facing mills series

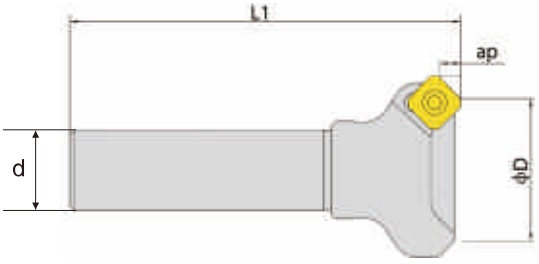




Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L1	ap	Z			
SE13 050 4T 22	●	50	22	50	5	4	SE**13T3	M3.5*8	T-15
SE13 063 5T 22	●	63	22	50		5			
SE13 080 5T 27	●	80	27	50		5			
SE13 100 6T 32	●	100	32	50		6			
SE13 125 7T 40	●	125	40	63		7			
SE13 160 8T 40	●	160	40	63		8			
SE13 200 10T 60	●	200	60	63		10			

BSE45° Straight shank facing mills series



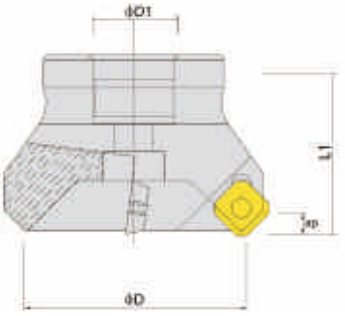


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	d	L1	ap	Z			
BSE13 050 4T 120	●	50	32	120	6	4	SE**13T3	M3.5*8	T-15
BSE13 063 5T 120	●	63				5			
BSE13 080 5T 120	●	80				5			
BSE13 100 6T 120	●	100				6			

●Stock ○Availabie upon Order

SE45° Facing mills series

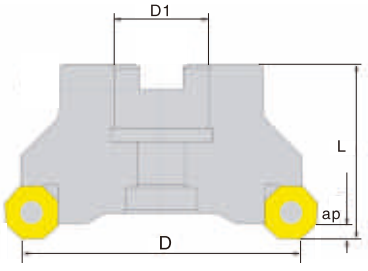




Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L1	ap	Z			
SE12 050 4T 22	●	50	22	50	5	4	SE**1204	M5.0*12	T-20
SE12 063 5T 22	●	63	22	50		5			
SE12 080 5T 27	●	80	27	50		5			
SE12 100 6T 32	●	100	32	50		6			
SE12 125 7T 40	●	125	40	63		7			
SE12 160 8T 40	●	160	40	63		8			
SE12 200 10T 60	●	200	60	63		10			

FM



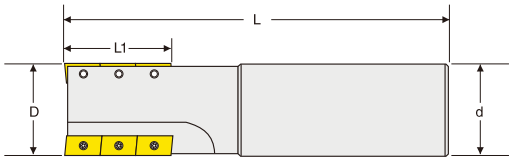


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	D1	L	ap	Z			
FM45-D050T04-22-OD06	●	50	22	50	4	4	OD**0605	M5*12	T-20
FM45-D063T05-22-OD06	●	63	22	50		5			
FM45-D080T06-27-OD06	●	80	27	50		6			
FM45-D100T07-32-OD06	●	100	32	50		7			
FM45-D125T08-40-OD06	●	125	40	63		8			
FM45-D160T10-40-OD06	●	160	40	63		10			
FM45-D200T12-60-OD06	●	200	60	63		12			

●Stock ○Availabie upon Order

BM90° Corn mills

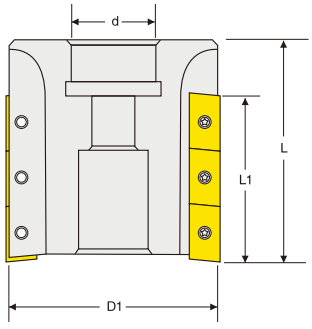




Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	d	L	L1	Z			
TAP11–20C20–28M–2T120	●	20	20	120	28	2	APMT1135	M2.5*6	T–18
TAP11–25C25–38M–2T130	●	25	25	130	38	2			
TAP11–25C25–48M–2T130	●	25	25	130	48	2			
TAP11–32C32–48M–3T140	●	32	32	140	48	3			
TAP16–32C32–70M–2T150	●	32	32	150	70	2	APMT1604	M4*10	T–15
TAP16–40C32–70M–2T150	●	40	32	150	70	2			
TAP16–40C32–70M–3T150	●	40	32	150	70	3			
TAP16–50C32–70M–3T150	●	50	32	150	70	3			

BM90° Corn mills



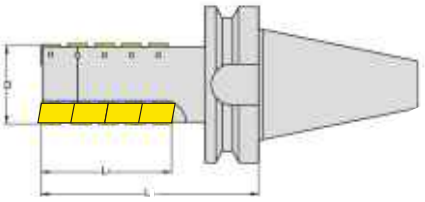


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	d	L	L1	Z			
TAP16–D050–22–42M4T	●	50	22	120	42	3	APMT1604	M4*10	T–15
TAP16–D063–27–42M4T	●	63	27		42	4			
TAP16–D063–27–60M4T	●	63	27		60	4			
TAP16–D080–32–72M5T	●	80	32		72	5			

●Stock ○Availabie upon Order

BT Corn mills

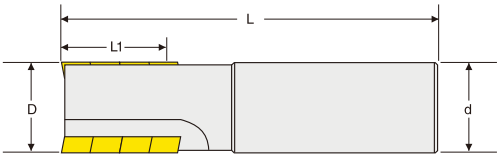




Ordering Code	Stock	Dimensions(mm)				Insert	Screw	Wrench
		D	L	L1	Z			
BT50–D50–70M4T–AP16	●	50		70	4	APMT1604	M4*10	T–15
BT50–D63–70M4T–AP16	●	63		70	4			
BT50–D63–85M4T–AP16	●	63		85	4			
BT50–D63–100M4T–AP16	●	63		100	5			
BT50–D80–99M5T–AP16	●	80		99	5			
BT50–D80–120M5T–AP16	●	80		120	5			
BT50–D100–118M6T–AP16	●	100		118	6			
BT50–D100–160M6T–AP16	●	100		160	6			
BT50–D100–280M6T–AP16	●	100		280	6			

HMC Corn mills



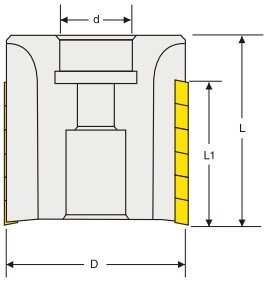


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	d	L	L1	Z			
HMC90–025.029.2T25–CN07	○	25	25	106	29	2	CN**07	M3*12	T–9
HMC90–032.035.2T32–CN07	○	32	32	117	35	2			
HMC90–040.040.3T32–CN07	○	40	32	125	40	3			

●Stock ○Availabie upon Order

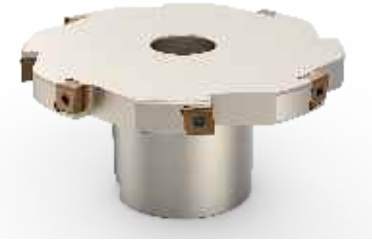
HMC Corn mills

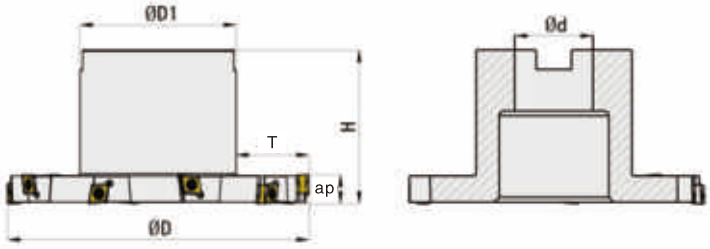




Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	d	L	L1	Z			
HMC90-050.052.4T22-CN07	○	50	22	70	52	4	CN**07	M3*12	T-9
HMC90-063.052.4T22-CN07	○	63	22		52	5			
HMC90-080.052.5T27-CN07	○	80	27		52	5			

TMR Side and face milling



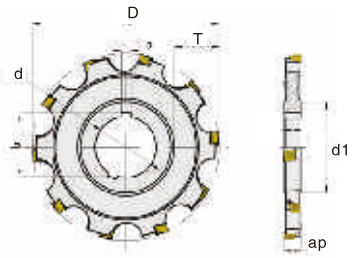


Ordering Code	Stock	Dimensions(mm)						Insert	Screw	Wrench
		D	d	L	ap	Z	T			
TMR-063.H10.05T22-CN07	○	63	22	50	10	5	10	CN**07	M3*12	T-9
TMR-080.H10.06T27-CN07	○	80	27	50	10	6	14			
TMR-100.H10.08T32-CN07	○	100	32	50	10	8	19			
TMR-125.H10.10T32-CN07	○	125	32	63	10	10	29			
TMR-160.H10.12T40-CN07	○	160	40	63	10	12	43			
TMR-063.H12.05T22-CN07	○	63	22	50	12	5	10			
TMR-080.H12.06T27-CN07	○	80	27	50	12	6	14			
TMR-100.H12.08T32-CN07	○	100	32	50	12	8	19			
TMR-125.H12.10T32-CN07	○	125	32	63	12	10	29			
TMR-160.H12.12T40-CN07	○	160	40	63	12	12	43			

●Stock ○Availabie upon Order

SMR Side and face mills

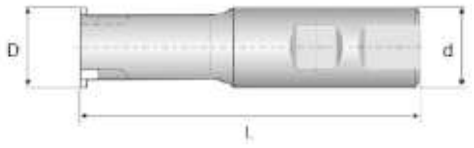




Ordering Code	Stock	Dimensions(mm)						Insert	Screw	Wrench
		D	d	d1	ap	Z	T			
SMR-063.H10.05T22-CN07	○	63	22	50	10	5	10	CN**07	M3*12	T-9
SMR-080.H10.06T27-CN07	○	80	27	50	10	6	14			
SMR-100.H10.08T32-CN07	○	100	32	50	10	8	19			
SMR-125.H10.10T32-CN07	○	125	32	63	10	10	29			
SMR-160.H10.12T40-CN07	○	160	40	63	10	12	43			
SMR-063.H12.05T22-CN07	○	63	22	50	12	5	10			
SMR-080.H12.06T27-CN07	○	80	27	50	12	6	14			
SMR-100.H12.08T32-CN07	○	100	32	50	12	8	19			
SMR-125.H12.10T32-CN07	○	125	32	63	12	10	29			
SMR-160.H12.12T40-CN07	○	160	40	63	12	12	43			

STF Slot mills

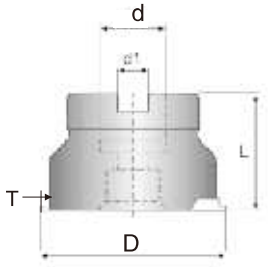




Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	d	L	T	Z			
STF-2520.1T.GBA32-100L	●	25	20	100	0.8-2.0	1	GBA32**	M3.5*8	T-15
STF-3225.2T.GBA32-120L	●	32	25	120		2			
STF-4032.3T.GBA32-150L	●	40	32	150		3			

STF Solt mills



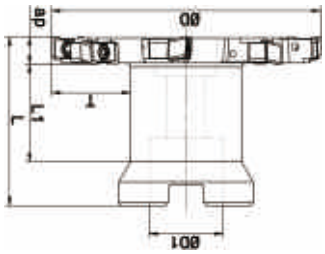


Ordering Code	Stock	Dimensions(mm)					Insert	Screw	Wrench
		D	d	H	T	Z			
STF-054.22.4T.GBA32	●	54	22	40	0.8-2.0	4	GBA32**	M3.5*8	T-15
STF-063.22.5T.GBA32	●	63	22	40		5			
STF-080.27.6T.GBA32	●	80	27	50		6			
STF-100.32.8T.GBA33	●	100	32	50		8			

●Stock ○Availabie upon Order

LNK T–Milling Holder





Ordering Code	Stock	Dimensions/mm							Blade	Screw	Wrench
		D	D1	ap	T	L1	L	Z			
LNK05–063–H08–22–6T	●	63	22	8	15	29	50	6	LNKT0504	MT2.5*7	FT–8
LNK05–080–H08–22–8T	●	80	22	8	23	29	50	8			
LNK05–100–H08–27–10T	●	100	27	8	25	–	50	10			
LNK05–125–H08–32–12T	●	125	32	8	34	–	50	12			
LNK06–063–H10–22–6T	●	63	22	10	15	27	50	6	LNKT0605	MT3*8	FT–8
LNK06–080–H10–22–8T	●	80	22	10	23	27	50	8			
LNK06–100–H10–27–10T	●	100	27	10	25	–	50	10			
LNK06–125–H10–32–12T	●	125	32	10	34	–	50	12			
LNK06–063–H12–22–6T	●	63	22	12	15	25	50	6	LNKT0605	MT3*8	FT–8
LNK06–080–H12–22–8T	●	80	22	12	23	25	50	8			
LNK06–100–H12–27–10T	●	100	27	12	25	–	50	10			
LNK06–125–H12–32–12T	●	125	32	12	34	–	50	12			
LNK08–063–H14–22–6T	●	63	22	14	15	23	50	6	LNKT0805	MT3*8	FT–8
LNK08–080–H14–22–8T	●	80	22	14	23	23	50	8			
LNK08–100–H14–27–10T	●	100	27	14	25	–	50	10			
LNK08–125–H14–32–12T	●	125	32	14	34	–	50	12			
LNK08–080–H20–22–12T	●	80	22	20	24	–	50	12	LNKT0805	MT3*8	FT–8
LNK08–100–H20–27–15T	●	100	27	20	26	–	50	15			
LNK08–125–H20–32–18T	●	125	32	20	33	–	50	18			
LNK08–160–H20–40–21T	●	160	40	20	45	–	50	21			

●Stock ○Availabie upon Order

LNK T-Milling Bar

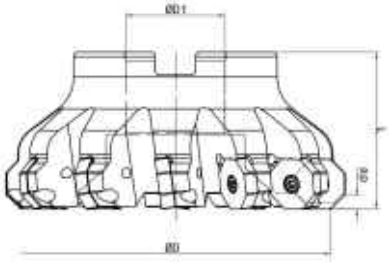




Ordering Code	Stock	Dimensions/mm							Blade	Screw	Wrench
		D	D1	ap	T	L1	L	Z			
LNK05–032.H8.2T16	●	32	16	8	9	23	140	2	LNKT0504	MT2.5*7	FT–8
LNK05–040.H8.2T20	●	40	20	8	12	23	140	2			
LNK05–050.H8.3T25	●	50	25	8	15	29	150	3			
LNK05–063.H8.3T32	●	63	32	8	16	–	170	3			
LNK05–032.H10.2T16	●	32	16	10	9	21	140	2			
LNK05–040.H10.2T20	●	40	20	10	12	21	140	2			
LNK05–050.H10.3T25	●	50	25	10	15	27	150	3			
LNK05–063.H10.3T32	●	63	32	10	16	–	170	3			
LNK05–080.H10.4T32	●	80	32	10	24	–	170	4			
LNK06–050.H12.3T25	●	50	25	12	15	25	150	3	LNKT0605	MT3*8	FT–8
LNK06–063.H12.3T32	●	63	32	12	15	–	170	3			
LNK06–080.H12.4T32	●	80	32	12	24	–	170	4			

F45NM 45° Milling Holder



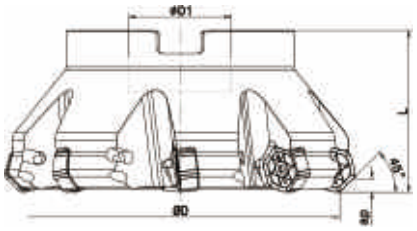


Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
F45NM063–05–22–R08	●	63	22	40	5.5	5	ONMU0806	MS5*14	FT–20
F45NM080–06–27–R08	●	80	27	50	5.5	6			
F45NM100–07–32–R08	●	100	32	50	5.5	7			
F45NM125–08–40–R08	●	125	40	63	5.5	8			
F45NM160–10–40–R08	●	160	40	63	5.5	10			
F45NM200–12–60–R08	●	200	60	63	5.5	12			
F45NM250–14–60–R08	●	250	60	63	5.5	14			

●Stock ○Availabie upon Order

S45HN09C 45° Milling Holder

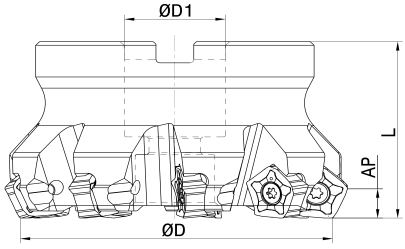




Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
S45HN09C–D50–22–4T	●	50	22	40	5	4	HNGX0906	MT4.5*12	FT–20
S45HN09C–D63–22–5T	●	63	22	40	5	5			
S45HN09C–D80–27–6T	●	80	27	50	5	6			
S45HN09C–D100–32–8T	●	100	32	50	5	8			
S45HN09C–D125–40–10T	●	125	40	63	5	10			
S45HN09C–D160–40–12T	●	160	40	63	5	12			
S45HN09C–D200–60–12T	●	200	60	63	5	12			
S45HN09C–D250–60–14T	●	250	60	63	5	14			
S45HN09C–D315–60–16T	●	315	60	80	5	16			

MFPN 66° Milling Holder

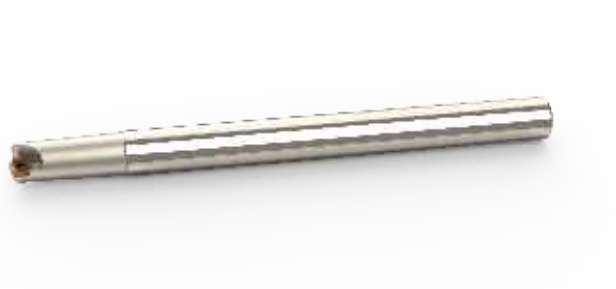


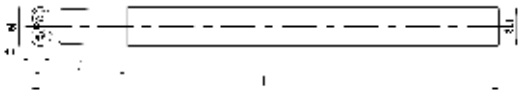


Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
MFPN66–50–22–4T	●	50	22	40	5	4	PNMU0905	MT4*10	FT–15
MFPN66–63–22–5T	●	63	22	40	5	5			
MFPN66–80–27–6T	●	80	27	50	5	6			
MFPN66–100–32–7T	●	100	32	50	5	7			
MFPN66–125–40–9T	●	125	40	63	5	9			
MFPN66–160–40–11T	●	160	40	63	5	11			
MFPN66–200–60–13T	●	200	60	63	5	13			
MFPN66–250–60–15T	●	250	60	63	5	15			

●Stock ○Availabie upon Order

R2.5 Ball noze Milling Bar

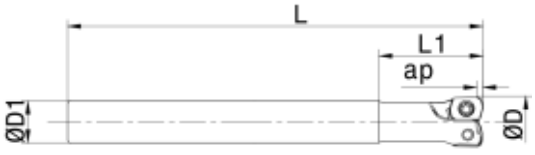




Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	L	L1	ap	Z			
TRS2.5R08–1TC10–100L	●	8	10	100	25	2.5	1	RDMW0501	MT2*4	FT–6
TRS2.5R09–1TC10–100L	●	9	10	100	25	2.5	1			
TRS2.5R10–2TC10–120L	●	10	10	120	25	2.5	2			
TRS2.5R11–2TC10–120L	●	11	10	120	25	2.5	2			
TRS2.5R12–2TC10–120L	●	12	10	120	25	2.5	2			
TRS2.5R12–2TC12–120L	●	12	12	120	25	2.5	2			
TRS2.5R12–3TC12–120L	●	12	12	120	25	2.5	3			
TRS2.5R13–2TC12–120L	●	13	12	120	25	2.5	2			
TRS2.5R13–3TC12–120L	●	13	12	120	25	2.5	3			

Small diameter fast feed milling bar



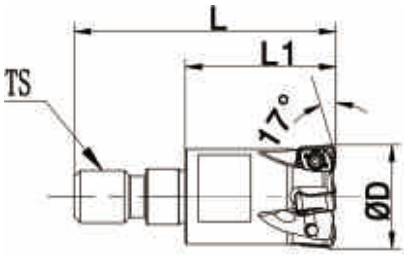


Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	L	L1	ap	Z			
EXLS02M008C08.0LH16R01	●	8	8	75	16	0.5	1	LSMT0202 ZER–HM	MT2*4	FT–6
EXLS02M010C10.0LH20R02	●	10	10	80	20	0.5	2			
EXLS02M012C12.0LH20R03	●	12	12	80	20	0.5	3			
EXLS02M016C16.0LH30R05	●	16	16	100	30	0.5	5			

●Stock ○Availabie upon Order

HXN High Feed Milling head

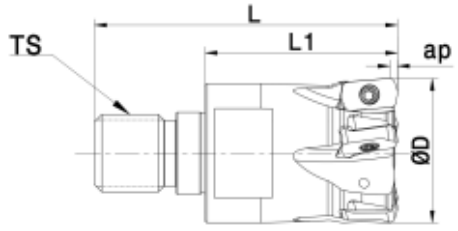




Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	TS	L	L1	ap	Z			
HXN02R008M06–01	●	8	M6	33.5	19	0.5	1	LNMU0202	MS1.8*4	FT–6
HXN02R010M06–02	●	10	M6	31.5	17	0.5	2			
HXN02R012M06–02	●	12	M6	31.5	17	0.5	2			
HXN02R016M08–04	●	16	M8	40	23	0.5	4			
HXN02R020M10–05	●	20	M10	49	30	0.5	5			
HXN02R025M12–07	●	25	M12	52	30	0.5	7			

EXN High Feed Milling head



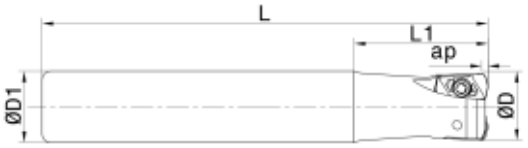


Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	L	L1	ap	Z			
EXN03R016M08–02	●	16	M8	42	25	1	2	LNMU0303	MT2.5*7	FT–8
EXN03R017M08–02	●	17	M8	42	25	1	2			
EXN03R020M10–03	●	20	M10	49	30	1	3			
EXN03R021M10–03	●	21	M10	49	30	1	3			
EXN03R025M12–04	●	25	M12	57	35	1	4			
EXN03R026M12–04	●	26	M12	57	35	1	4			
EXN03R032M16–05	●	32	M16	63	40	1	5			
EXN03R033M16–05	●	33	M16	63	40	1	5			

●Stock ○Availabie upon Order

EXN High feed Milling Bar

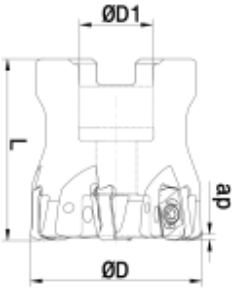




Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	L	L1	ap	Z			
EXN03R16D16d100L2T	●	16	16	100	30	1	2	LNMU0303	MT2.5*7	FT-8
EXN03R16D16d150L2T	●	16	16	150	30	1	2			
EXN03R17D16d150L2T	●	17	16	150	30	1	2			
EXN03R20D20d130L3T	●	20	20	130	50	1	3			
EXN03R20D20d160L3T	●	20	20	160	50	1	3			
EXN03R20D20d200L3T	●	20	20	200	50	1	3			
EXN03R21D20d200L3T	●	21	20	200	50	1	3			
EXN03R25D25d140L4T	●	25	25	140	60	1	4			
EXN03R25D25d200L4T	●	25	25	200	60	1	4			
EXN03R26D25d200L4T	●	26	25	200	60	1	4			
EXN03R32D32d150L5T	●	32	32	150	70	1	5			
EXN03R32D32d200L5T	●	32	32	200	70	1	5			
EXN03R35D32d150L5T	●	35	32	150	30	1	5			
EXN03R35D32d200L5T	●	35	32	200	40	1	5			

TXN High Feed Milling holder



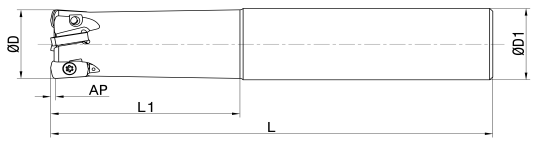


Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
TXN03R040D16d6T	●	40	16	40	1	6	LNMU0303	MT2.5*7	FT-8
TXN03R050D22d8T	●	50	22	50	1	8			
TXN03R063D22d8T	●	63	22	50	1	8			

●Stock ○Availabie upon Order

MFH High feed Milling Bar

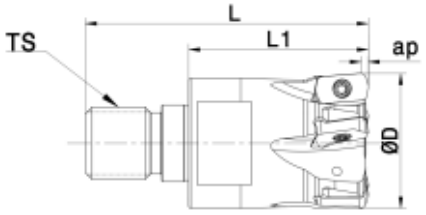




Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	L	L1	ap	Z			
MFH–16S1603–2T–120	●	16	16	120	30	1	2	LOGU0303 10ER–GM	MT3*7	FT–10
MFH–20S2003–3T–130	●	20	20	130	50	1	3			
MFH–25S2503–4T–140	●	25	25	140	60	1	4			
MFH–32S3203–5T–160	●	32	32	160	70	1	5			

MFH High Feed Milling head



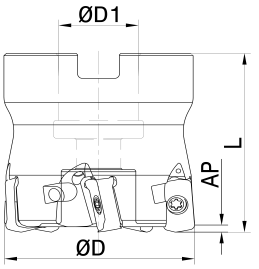


Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	TS	L	L1	ap	Z			
MFH16–M08–03–2T	●	16	M8	43	25	1	2	LOGU0303 10ER–GM	MT3*7	FT–10
MFH20–M10–03–3T	●	20	M10	49	30	1	3			
MFH25–M12–03–4T	●	25	M12	57	35	1	4			
MFH32–M16–03–5T	●	32	M16	63	40	1	5			

●Stock ○Availabie upon Order

MFH High Feed Milling holder

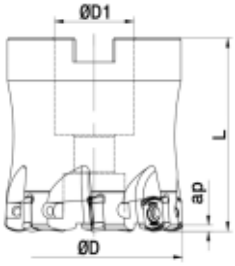




Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
MFH–040R–03–16–6T	●	40	16	40	1	6	LOGU0303 10ER–GM	MT3*7	FT–10
MFH–050R–03–22–8T	●	50	22	40	1	8			
MFH–063R–03–22–9T	●	63	22	40	1	9			
MFH–080R–03–27–10T	●	80	27	50	1	10			

TEBL High Feed Milling holder



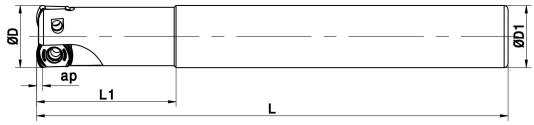


Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
TEBL06–50–22–7T	●	50	22	50	1	7	BLMP0603R	MT2.5*6	FT–8
TEBL06–63–22–9T	●	63	22	50	1	9			

●Stock ○Availabie upon Order

TEBL High feed Milling Bar

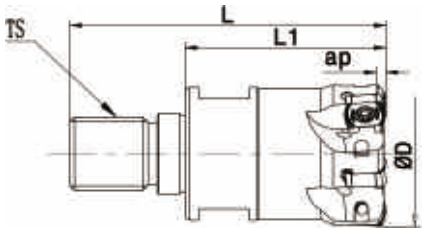




Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	L	L1	ap	Z			
TEBL216–16–06–120L	●	16	16	120	30	1	2	BLMP0603R	MT2.5*6	FT–8
TEBL320–20–06–140L	●	20	20	140	40	1	3			
TEBL425–26–06–160L	●	25	25	160	65	1	4			
TEBL532–32–06–180L	●	32	32	180	100	1	5			

TEBL High Feed Milling head





Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	TS	L	L1	ap	Z			
TEBL216–M08–06	●	16	M8	43	25	1	2	BLMP0603R	MT2.5*6	FT–8
TEBL320–M10–06	●	20	M10	49	30	1	3			
TEBL425–M12–06	●	25	M12	57	35	1	4			
TEBL532–M16–06	●	32	M16	63	40	1	5			

●Stock ○Availabie upon Order

ESE 90° Milling Bar

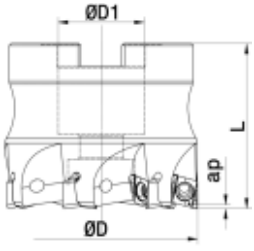




Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	L	L1	ap	Z			
ESE07-08-1TC10-100	●	8	10	100	25	6	1	JDMT0702	MT1.8*4	FT-6
ESE07-09-1TC10-100	●	9	10	100	25	6	1			
ESE07-10-2TC10-120	●	10	10	120	25	6	2			
ESE07-11-2TC10-120	●	11	10	120	25	6	2			
ESE07-12-2TC10-120	●	12	10	120	25	6	2			
ESE07-12-2TC12-120	●	12	12	120	25	6	2			
ESE07-12-3TC12-120	●	12	12	120	25	6	3			
ESE07-13-3TC12-120	●	13	12	120	25	6	3			
ESE07-14-3TC14-150	●	14	14	150	40	6	3			

4NKT 90° Milling holder





Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
4NKT D40-22-6T	●	40	22	40	1	6	4NKT 0603	MT3*7	FT-8
4NKT D50-22-7T	●	50	22	40	1	7			
4NKT D63-22-8T	●	63	22	40	1	8			

●Stock ○Availabie upon Order

4NKT 90° Milling Bar

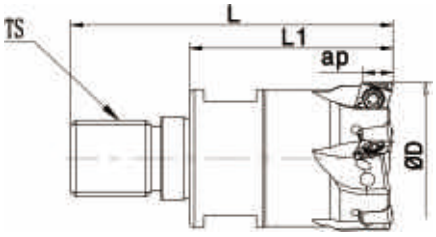




Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	L	L1	ap	Z			
4NKT D16–C16–2T–100	●	16	16	100	25	5	2	4NKT 0603	MT3*7	FT–8
4NKT D16–C16–2T–160	●	16	16	160	25	5	2			
4NKT D17–C16–2T–160	●	17	16	160	25	5	2			
4NKT D20–C20–3T–110	●	20	20	110	25	5	3			
4NKT D20–C20–3T–160	●	20	20	160	25	5	4			
4NKT D21–C20–3T–160	●	21	20	160	25	5	3			
4NKT D25–C25–4T–120	●	25	25	120	25	5	4			
4NKT D25–C25–4T–160	●	25	25	160	25	5	4			
4NKT D26–C25–4T–160	●	26	25	160	25	5	4			
4NKT D32–C32–5T–130	●	32	32	130	25	5	5			

4NKT 90° Milling head



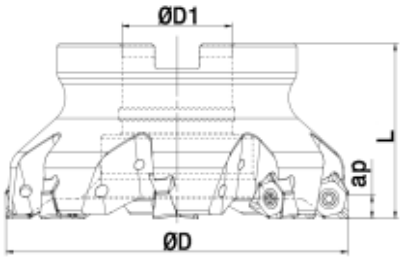


Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	TS	L	L1	ap	Z			
4NKT216–M08–06	●	16	M8	43	25	1	2	4NKT 0603	MT2.5*6	FT–8
4NKT320–M10–06	●	20	M10	49	30	1	3			
4NKT425–M12–06	●	25	M12	57	35	1	4			
4NKT532–M16–06	●	32	M16	63	40	1	5			

●Stock ○Availabie upon Order

MFWN 90° Milling holder

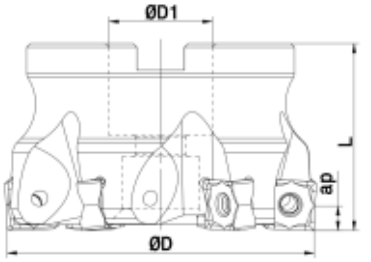




Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
MFWN90–50–22–4T	●	50	22	40	8	4	WNMU0806	MT5*11	FT–20
MFWN90–63–22–5T	●	63	22	40	8	5			
MFWN90–80–27–6T	●	80	27	50	8	6			
MFWN90–100–32–7T	●	100	32	50	8	7			
MFWN90–125–40–8T	●	125	40	63	8	8			
MFWN90–160–40–10T	●	160	40	63	8	10			
MFWN90–200–60–12T	●	200	60	63	8	12			
MFWN90–250–60–14T	●	250	60	63	8	14			

MFSN 88° Milling holder



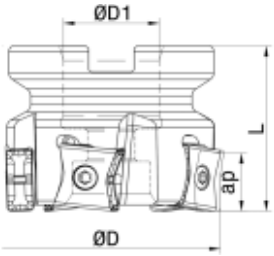


Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
MFSN88050R–4T–M	●	50	22	40	5	4	SNMU1305	MT4*10	FT–15
MFSN88063R–5T–M	●	63	22	40	5	5			
MFSN88080R–6T–M	●	80	27	50	5	6			
MFSN88100R–7T–M	●	100	32	50	5	7			
MFSN88125R–9T–M	●	125	40	63	5	9			
MFSN88160R–11T–M	●	160	40	63	5	11			
MFSN88200R–13T–M	●	200	60	63	5	13			
MFSN88250R–15T–M	●	250	60	63	5	15			
MFSN88315R–17T–M	●	315	60	63	5	17			

●Stock ○Availabie upon Order

F90LN 90 ° Milling holder

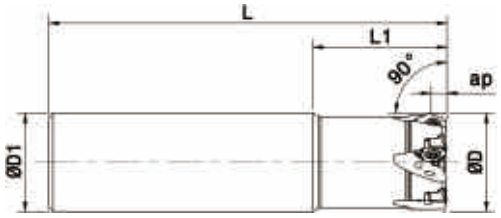




Ordering Code	Stock	Dimensions/mm					Blade	Screw	Wrench
		D	D1	L	ap	Z			
F90LN–D050–05–22–L–N15	●	50	22	40	14	5	LNMT1506	MT4*10	FT–15
F90LN–D050–05–22–R–N15	●	50	22	40	14	5			
F90LN–D063–05–22–L–N15	●	63	22	40	14	5			
F90LN–D063–05–22–R–N15	●	63	22	40	14	5			
F90LN–D080–07–27–L–N15	●	80	27	50	14	7			
F90LN–D080–07–27–R–N15	●	80	27	50	14	7			
F90LN–D100–08–32–L–N15	●	100	32	50	14	8			
F90LN–D100–08–32–R–N15	●	100	32	50	14	8			
F90LN–D125–09–40–L–N15	●	125	40	63	14	9			
F90LN–D125–09–40–L–N15	●	125	40	63	14	9			
F90LN–D160–10–40–L–N15	●	160	40	63	14	10			
F90LN–D160–10–40–R–N15	●	160	40	63	14	10			

MFWN 90 ° Milling Bar



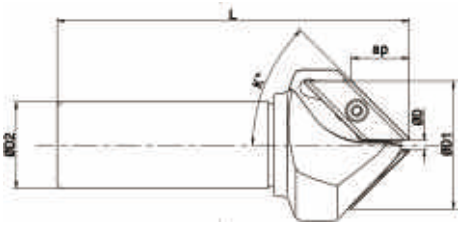


Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	L	L1	ap	Z			
MFWN90–17S16–160–2T	●	17	16	30	160	4	2	XNEX0403 WNMU0404	MT2.5*6	FT–8
MFWN90–20S20–160–3T	●	20	20	35	160	4	3			
MFWN90–21S20–160–3T	●	21	20	35	160	4	3			
MFWN90–25S25–160–4T	●	25	25	40	160	4	4			
MFWN90–26S25–160–4T	●	26	25	40	160	4	4			
MFWN90–32S32–160–5T	●	32	32	45	160	4	5			
MFWN90–35S32–160–5T	●	35	32	45	160	4	5			

●Stock ○Availabie upon Order

B30/45/60ECC31 Chamfer

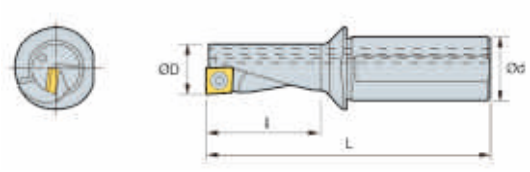




Ordering Code	Stock	Dimensions/mm						Blade	Screw	Wrench
		D	D1	D2	L	Z	K			
B30–ECC31005R	●	5	34	32	130	1	30°	XCET310404ER	MT5*11	FT–20
B30–ECC31014R	●	14	44	40	150	2	30°			
B35–ECC31014R	●	14	48	40	150	2	35°			
B37.5–ECC31014R	●	14	50	40	150	2	37.5°			
B45–ECC31005R	●	5	46	32	130	2	45°			
B60–ECC31005R	●	5	55	32	130	2	60°			
B60–ECC31014R	●	14	65	40	150	2	60°			

MT Single Blade U drill



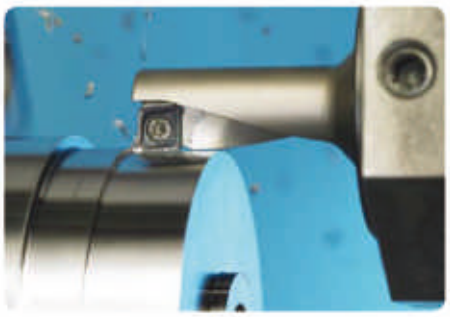


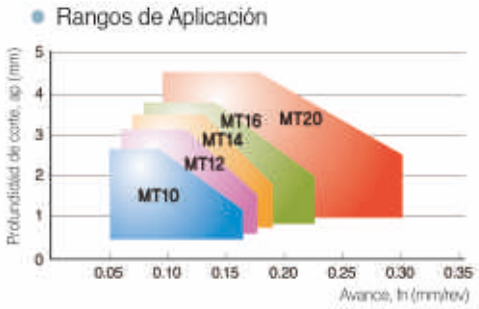
Ordering Code	Stock	Dimensions/mm				Blade	Screw	Wrench
		D	d	L1	L			
MT 10R/L–2.25D	●	10	12	22.5	69.5	QC*T050204	MT2*4	FT–6
MT 12R/L–2.25D	●	12	16	27	78	QC*T060204	MT2.2*5	FT–6
MT 14R/L–2.25D	●	14	16	31.5	83.5	QC*T070304	MT2.5*5	FT–8
MT 16R/L–2.25D	●	16	20	36	94	QC*T080304	MT3*6	FT–9
MT 20R/L–2.25D	●	20	25	45	111	QC*T10T304	MT3.5*8	FT–15
MT 25R/L–2.25D	●	25	32	56.5	130	QC*T130408	MT4.5*9	FT–20
MT 32R/L–2.25D	●	32	40	72	160	QC*T170508	MT4.5*11	FT–20

●Stock ○Availabie upon Order

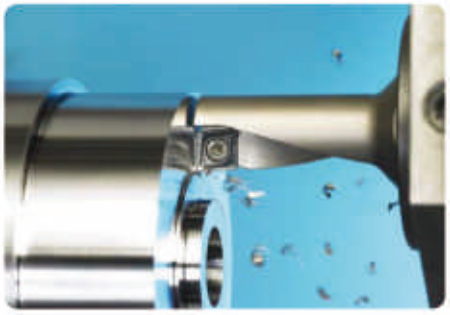
User Guide

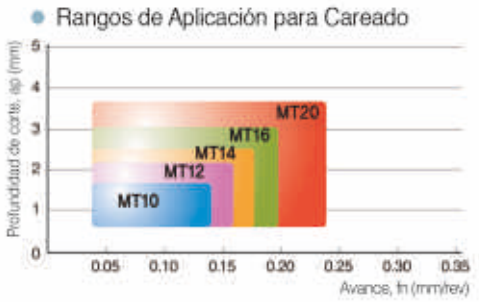
Outside inside cutting



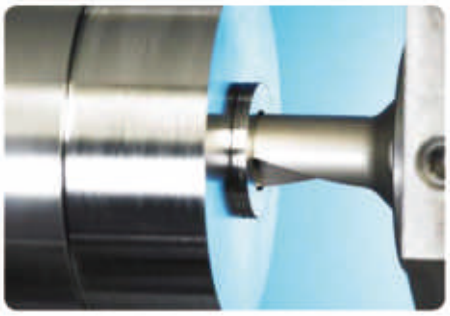


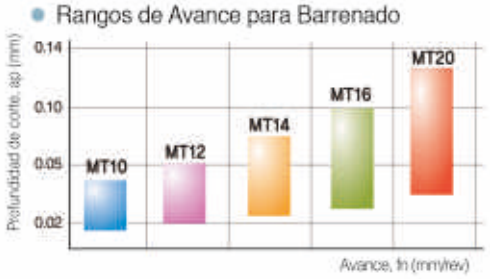
Cutting face





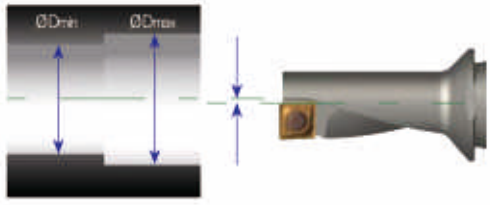
Out of balance





Skewing(Compensation diameter)

Designación	Diámetro (mm)	ØDmin (mm)	ØDmax (mm)
MT10R/L-2.25D	10	9.85	10.35
MT12R/L-2.25D	12	11.85	12.35
MT14R/L-2.25D	14	13.85	14.35
MT16R/L-2.25D	16	15.85	16.35
MT20R/L-2.25D	20	19.85	20.35
MT25R/L-2.25D	25	24.85	25.35
MT32R/L-2.25D	32	31.85	32.35



Los diametros en barrenado son ajustados en el offset

●Stock ○Availabie upon Order