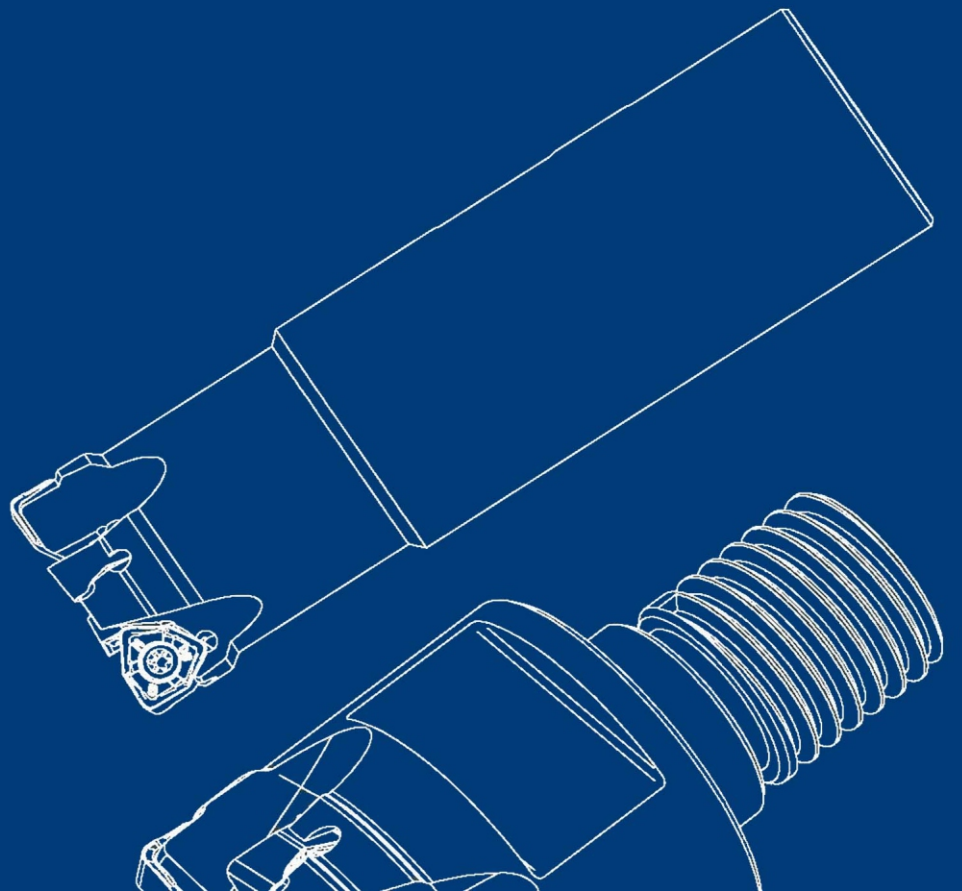


INDEXABLE TOOLS

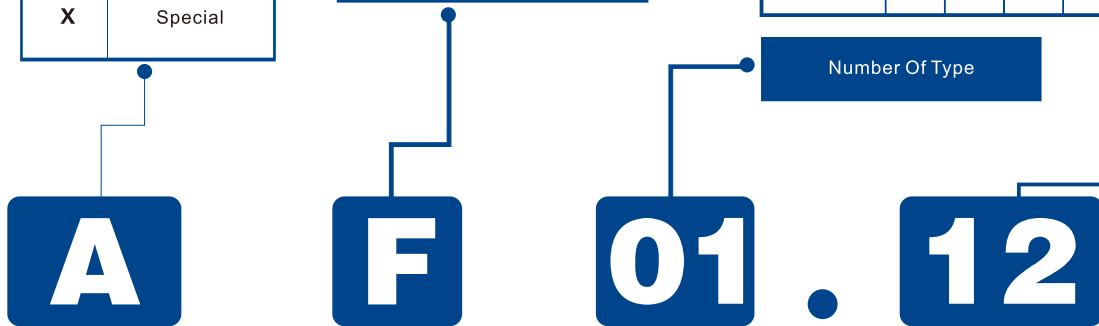


Indexable milling tools

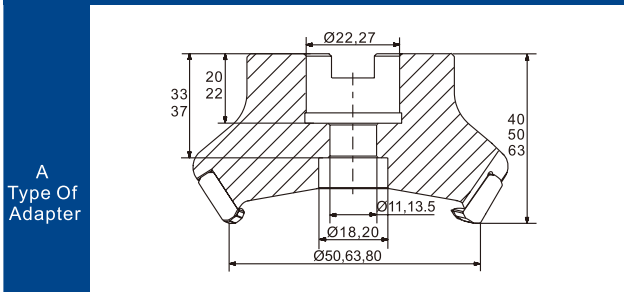
Lead Angle	
A	45°
D	60°
E	75°
P	90°
Z	30°
R	Round
X	Special

Type Of Tools	
F	Face milling tool
E	Shoulder milling tool
B	Profile milling tool
T	T slot milling tool
K	High feed milling cutter
C	Chamfer milling tool
H	Helical end face milling tool

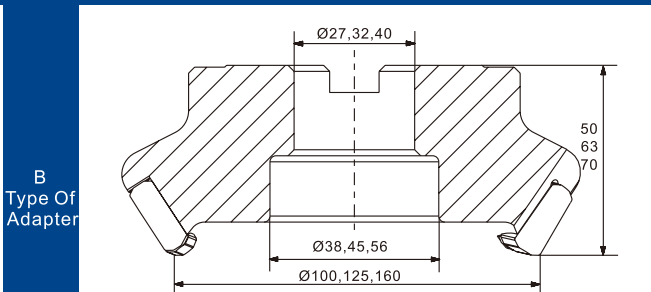
Insert Incircle diameter	Shape of blade					
	C	D	R	S	T	L
5.556	—	—	—	—	09	—
6.350	06	07	—	—	11	—
9.525	09	11	09	09	16	—
12.700	12	15	12	12	22	—
15.875	16	19	15	15	27	—
19.050	19	—	19	19	33	—
25.400	25	—	25	25	44	25



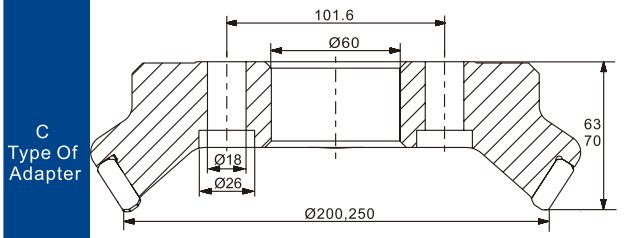
Shell Structure



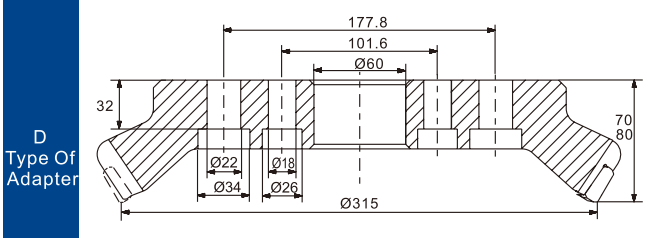
Ø50mm-Ø80mm



Ø100mm-Ø160mm



Ø200mm-Ø250mm



Ø ≥ 315mm

Side-locked Shank, Straight Shank, Morse Taper Shank

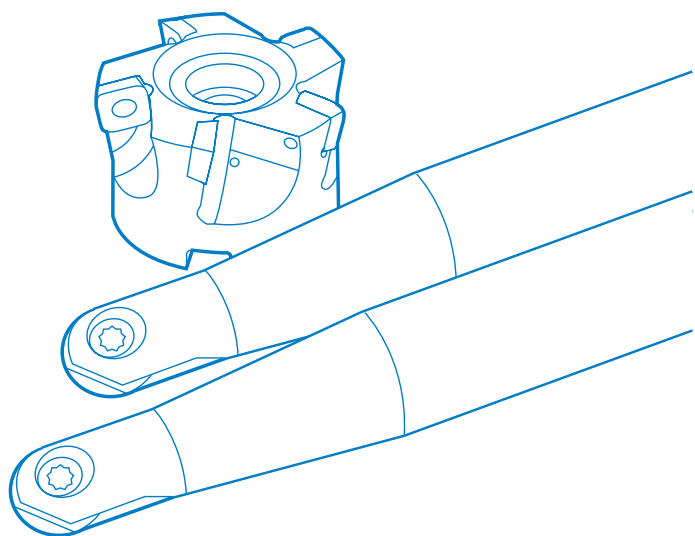
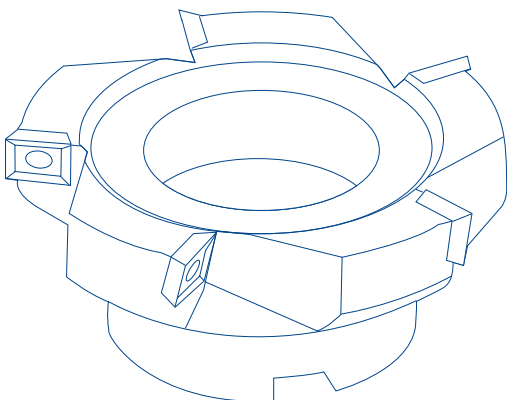
Tool Installation Position			
A	A type of adapter	W	Side-locked
B	B type of adapter	T	Replaceable Head
C	C type of adapter	MT	Morse
D	D type of adapter	BT	Taper
Z	Straight shank	J	Spline

Cutting Direction	R: Right	L: Left	Face Milling Tool
Tool Length	S	short	Cutter Arbor
	M	Standard	
	L	lengthening	
Groove Width	H12		Side And Face Milling Tool
The deepest machining	104		Helical And Face Milling Tool

A22 . 050 . 04 . R

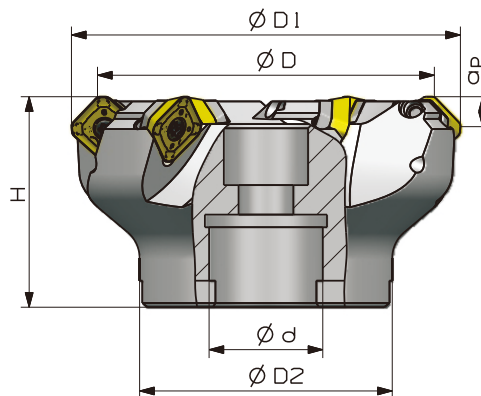
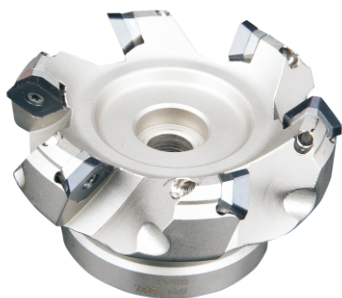
Diameter

Tooth



AF01

45°



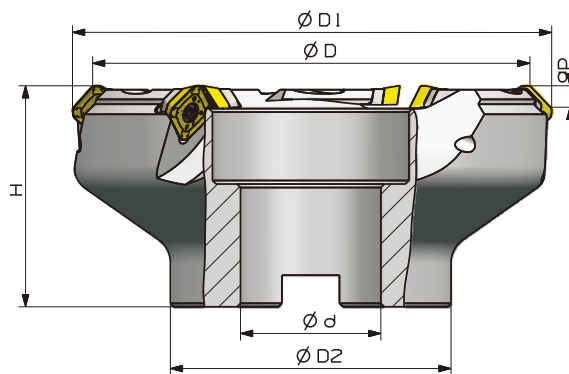
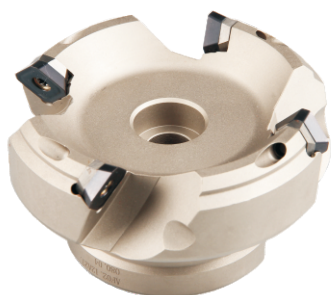
INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD2	ØD1	ØD	Ød	H	ap			
AF01.12A22.050.04	40	62.4	50	22	40	6	A	4	0.3
AF01.12A22.063.05	50	75.4	63	22	40	6	A	5	0.5
AF01.12A27.080.06	60	92.4	80	27	50	6	A	6	1.3
AF01.12B32.100.07	70	112.4	100	32	50	6	B	7	1.8
AF01.12B40.125.08	80	137.4	125	40	63	6	B	8	3.0
AF01.12B40.160.10	100	172.4	160	40	63	6	B	10	5.0
AF01.12C60.200.12	160	212.4	200	60	63	6	C	12	6.8
AF01.12C60.250.14	200	262.4	250	60	63	6	C	14	11.2
AF01.12D60.315.18	270	327.4	315	60	70	6	D	18	20.8

Insert  SE□T12T3	Shim  S13BS	Threaded Sleeve  SM0508	Insert Screw  TL60 M3.5X10	Wrench  T15T	Wrench  S3.5
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AF02

45°



Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	$\varnothing D2$	$\varnothing D1$	$\varnothing D$	$\varnothing d$	H	a_p			
AF02.12A22.050.03	40	62.4	50	22	40	6	A	3	0.3
AF02.12A22.063.04	50	75.4	63	22	40	6	A	4	0.5
AF02.12A27.080.04	60	92.4	80	27	50	6	A	4	1.2
AF02.12B32.100.05	70	112.4	100	32	50	6	B	5	1.8
AF02.12B40.125.06	80	137.4	125	40	63	6	B	6	3.55

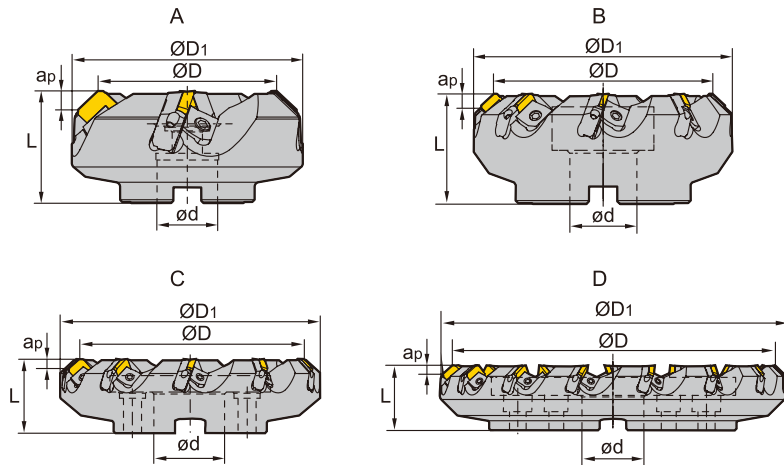
INDEX MILLING

Insert	Shim	Threaded Sleeve	Insert Screw	Wrench	Wrench
					
SE□T12T3	S13BS	SM0508	TL60 M3.5X10	T15T	S3.5

AF03



45°



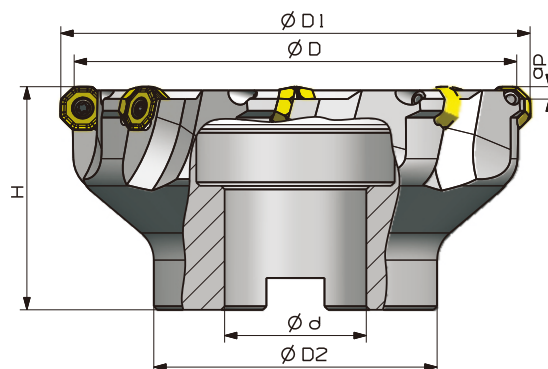
INDEX MILLING

Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	ØD1	ød	L	apmax			
AF03.12A27.080.04	80	103	27	50	5.5	A	4	1.8
AF03.12B32.100.05	100	122	32	50	5.5	B	5	2.4
AF03.12B40.125.06	125	147	40	63	5.5	B	6	4.4
AF03.12B40.160.08	160	181	40	63	5.5	B	8	6.4
AF03.12C60.200.10	200	221	60	63	5.5	C	10	8.5
AF03.12C60.250.12	250	270	60	63	5.5	C	12	14.1
AF03.12D60.315.15	315	353	60	63	5.5	D	15	22.2
AF03.15A27.080.04	80	103	27	50	7.5	A	4	1.7
AF03.15B32.100.05	100	122	32	50	7.5	B	5	2.3
AF03.15B40.125.06	125	147	40	63	7.5	B	6	4.2
AF03.15B40.160.08	160	181	40	63	7.5	B	8	6.1
AF03.15C60.200.10	200	221	60	63	7.5	C	10	8.3
AF03.15C60.250.12	250	270	60	63	7.5	C	12	13.6
AF03.15D60.315.15	315	353	60	63	7.5	D	15	21.8

Insert	Tool chuck	Clamp	Double Headed Screw	Tool chuck screw	Wrench
SE□N1203	LSE12R/L	W01R/L	DM8×21X	LOM5×15.1	S3
SE□N1504	LSE15R/L				S4

AF04

45°



Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	Ød	H	ap			
AF04.05A22.050.04	40	56	50	22	40	3.5	A	4	0.3
AF04.05A22.050.05	40	56	50	22	40	3.5	A	5	0.4
AF04.05A22.063.05	50	69	63	22	40	3.5	A	5	0.6
AF04.05A27.080.06	60	86	80	27	50	3.5	A	6	1.3
AF04.05B32.100.07	70	106	100	30	50	3.5	B	7	2.6
AF04.05B40.125.08	80	130	125	40	63	3.5	B	8	4.2
AF04.05B40.160.10	100	165	160	40	63	3.5	B	10	5.1
AF04.05C40.160.10	100	165	160	40	63	3.5	C	10	4.8

INDEX MILLING

Insert



OFKT05T3

Insert Screw



TL60 M4X10

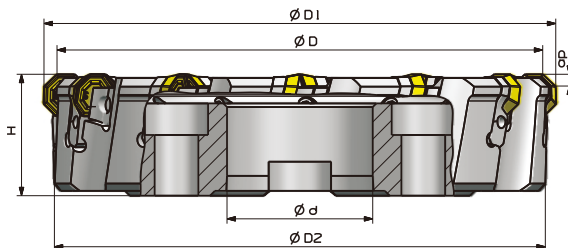
Wrench



T15T

45°

AF04



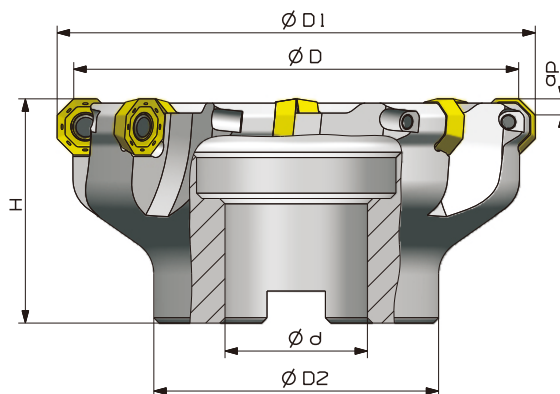
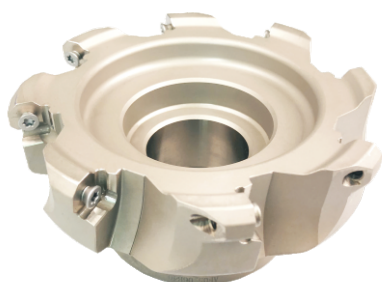
INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	ød	H	ap			
AF04.07A27.080.05	60	91	80	27	63	5	A	5	1.4
AF04.07B32.100.06	70	111	100	32	63	5	B	6	1.8
AF04.07B40.125.08	80	136	125	40	63	5	B	8	3.9
AF04.07B40.160.10	100	171	160	40	63	5	B	10	5.9
AF04.07C60.200.12	204	211	200	60	50	5	C	12	7.6
AF04.07C60.250.16	254	261	250	60	50	5	C	16	13.3
AF04.07D60.315.20	319	321	315	60	50	5	D	20	18.3

 Insert OFKR0704	 Tool chuck LOF07R/L	 Clamp W02R/L	 Double Headed Screw DM8*21	 Tool chuck screw LOM5X15	 Adjusting Screw TM0608	 Wrench S3 S4
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AF05

45°



Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	Ød	H	ap			
AF05.06A22.050.04	40	60	50	22	40	10	A	4	0.3
AF05.06A22.063.05	50	73	63	22	40	10	A	5	0.5
AF05.06A27.080.06	60	90	80	27	50	10	A	6	0.8
AF05.06B32.100.07	70	110	100	100	50	10	B	7	1.5
AF05.06B40.125.08	80	135	125	125	63	10	B	8	2.5
AF05.06C40.160.09	100	170	160	160	63	10	C	9	4

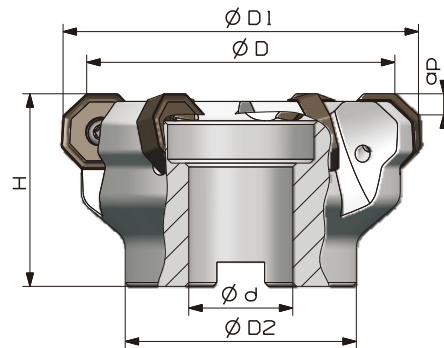
INDEX MILLING

 Insert OD□□0605	 Insert Screw TL60 M5X12	 Wrench T20T
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AF06



45°



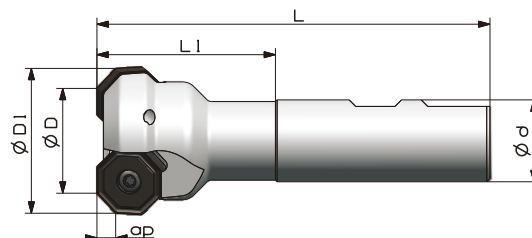
INDEX MILLING

Category	Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
		ØD ₂	ØD ₁	ØD	Ød	H	ap			
ON06	AF06.06A22.050.05	40	62	50	22	45	4	A	5	0.3
	AF06.06A22.063.06	50	75	63	22	45	4	A	6	0.5
	AF06.06B27.080.07	60	92	80	27	50	4	B	7	1.2
	AF06.06B32.100.08	70	112	100	32	63	4	B	8	1.2
	AF06.06B40.125.09	80	137	125	40	63	4	B	9	2.6
	AF06.06C40.160.11	100	172	160	40	63	4	C	11	4.3
	AF06.06C60.200.13	160	212	200	60	63	4	C	13	7.6
	AF06.06C60.250.15	200	262	250	60	63	4	C	15	13.5
ON08	AF06.06D60.315.17	250	327	315	60	70	4	D	17	20.8
	AF06.08A22.063.05	50	78	63	22	40	5	A	5	0.5
	AF06.08B27.080.06	60	95	80	27	50	5	B	6	1.2
	AF06.08B32.100.07	70	115	100	32	63	5	B	7	1.2
	AF06.08B40.125.08	80	140	125	40	63	5	B	8	2.6
	AF06.08C40.160.10	100	175	160	40	63	5	C	10	4.3
	AF06.08C60.200.12	160	215	200	60	63	5	C	12	7.6
	AF06.08C60.250.14	200	265	250	60	63	5	C	14	13.5
	AF06.08D60.315.16	250	330	315	60	70	5	D	16	20.8

Insert	Clamping Screw	Wrench
 ON□□0604□□	 L60 M4X10	 T15T
ON□□08T5□□	L60 M5X12	T20T

AF06

45°



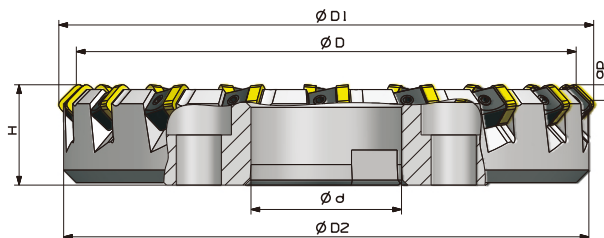
Type	(mm) Dimension						Adapter	Tooth	Weight (kg)
	ØD ₁	ØD	ød	L	L ₁	ap			
AF06.06W20.025.02	37	25	20	100	45	4	W	2	0.2
AF06.06W25.032.03	44	32	25	110	50	4	W	3	0.3
AF06.06W32.040.04	52	40	32	120	55	4	W	4	0.4
AF06.08W25.032.02	47	32	25	120	55	5	W	2	0.4
AF06.08W32.040.03	55	40	32	120	55	5	W	3	0.5
AF06.08W32.050.04	65	50	32	120	55	5	W	4	0.6

Insert	Insert Screw	Wrench
ON□□0604□□	TL60 M4X10	T15
ON□□08T5□□	TL60 M5X12	T20

INDEX MILLING

45°

AF07



INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	ød	H	ap			
AF07.12C60.200.18	209	215	200	60	40	5	C	18	6.5
AF07.12C60.250.24	259	265	250	60	40	5	C	24	9.2
AF07.12D60.315.30	324	330	315	60	40	5	D	30	12.4
AF07.12D60.355.34	364	370	355	60	40	5	D	34	16.2
AF07.12D60.400.38	409	415	400	60	40	5	D	38	19.2
AF07.12D60.450.44	459	465	450	60	40	5	D	44	23.2

Insert



SN□N1204

Clamp



WST01

Double Headed Screw



DM6*20

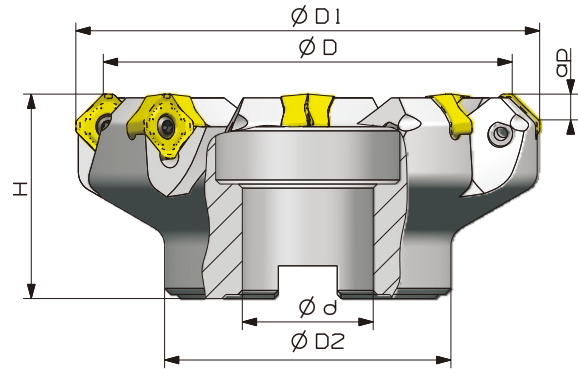
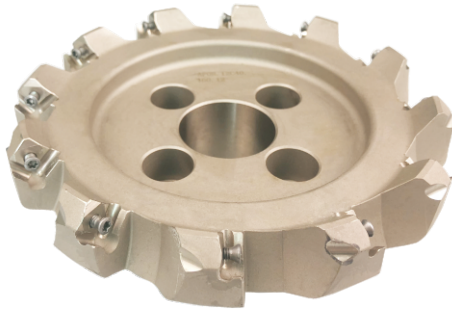
Wrench



S3

AF08

45°



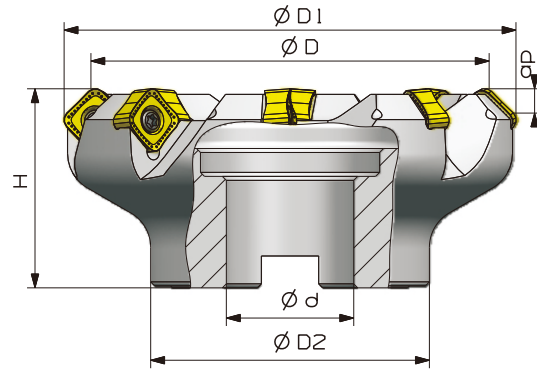
Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	Ød	H	ap			
AF08.12A22.050.04	40	63	50	22	40	6	A	4	0.5
AF08.12A22.063.06	50	76	63	22	40	6	A	6	0.7
AF08.12B27.080.07	60	93	80	27	50	6	B	7	1.2
AF08.12B32.100.08	70	113	100	32	50	6	B	8	1.7
AF08.12B40.125.10	80	138	125	40	63	6	B	10	3.6
AF08.12C40.160.12	100	173	160	40	63	6	C	12	4.8
AF08.12C60.200.14	150	213	200	60	63	6	C	14	5.3
AF08.12C60.250.16	180	263	250	60	63	6	C	16	12

 Insert SNEX1206ANN	 Insert Screw TL60 M4X10	 Wrench T15T
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INDEX MILLING

AF09

45°



INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	$\varnothing D2$	$\varnothing D1$	$\varnothing D$	$\varnothing d$	H	a_p			
AF09.12A22.050.04	40	63	50	22	40	6	A	4	0.5
AF09.12A22.063.05	50	76	63	22	40	6	A	5	0.7
AF09.12B27.080.06	60	93	80	27	50	6	B	6	1.2
AF09.12B32.100.08	70	113	100	32	50	6	B	8	1.7
AF09.12B40.125.10	80	138	125	40	63	6	B	10	3.6
AF09.12C40.160.14	100	173	160	40	63	6	C	14	4.8
AF09.12C60.200.18	150	213	200	60	63	6	C	18	5.3
AF09.12C60.250.20	180	263	250	60	63	6	C	20	12

Insert



SNMX1205XTN

Insert Screw



TL60 M4X10

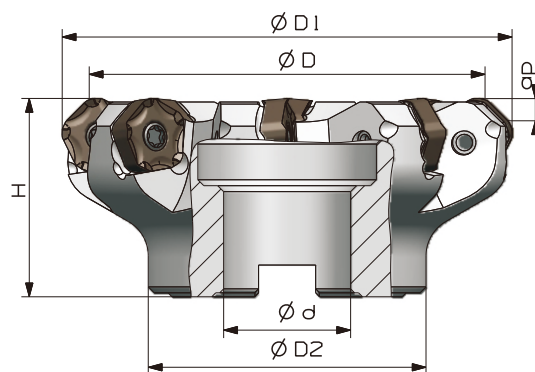
Wrench



T15T

AF10

45°



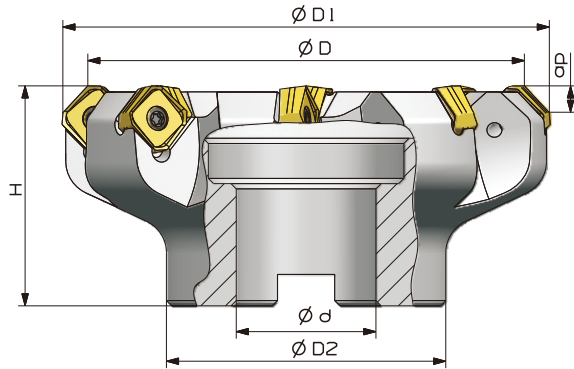
Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	ød	H	a _p			
AF10.12A22.063.05	50	76	63	22	45	5.5	A	5	0.5
AF10.12B27.080.06	60	93	80	27	50	5.5	B	6	1.0
AF10.12B32.100.08	70	113	100	32	50	5.5	B	8	1.4
AF10.12B40.125.10	80	138	125	40	63	5.5	B	10	2.5
AF10.12C40.160.12	100	173	160	40	63	5.5	C	12	3.8
AF10.12C60.200.14	150	213	200	60	63	5.5	C	14	6.5
AF10.12C60.250.16	180	263	250	60	63	5.5	C	16	9.1

Insert 	Insert Screw 	Wrench 
PNMU1205ANER	TL60 M5X12	T20T

INDEX MILLING

AF11

45°



INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	$\varnothing D_2$	$\varnothing D_1$	$\varnothing D$	$\varnothing d$	H	a_p			
AF11.16A22.050.04	50	64	50	22	50	7.5	A	4	0.3
AF11.16A22.063.05	50	77	63	22	50	7.5	A	5	0.5
AF11.16A27.080.06	60	94	80	27	50	7.5	A	6	1.0
AF11.16B32.100.07	70	114	100	32	50	7.5	B	7	1.4
AF11.16B40.125.08	80	139	125	40	63	7.5	B	8	2.5
AF11.16C40.160.10	100	174	160	40	63	7.5	C	10	3.8
AF11.16C60.200.14	150	214	200	60	63	7.5	C	14	6.5
AF11.16C60.250.16	180	264	250	60	63	7.5	C	16	9.1

Insert



SNMU1606

Insert Screw



TL60 M5X12

Wrench

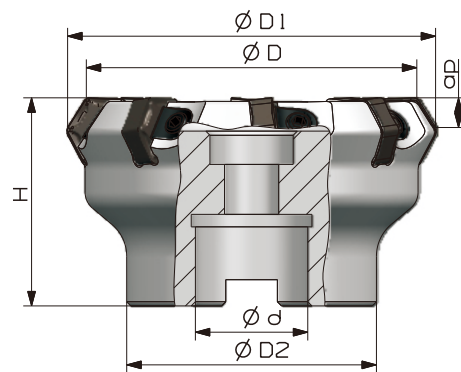


T20T





DF01



55°



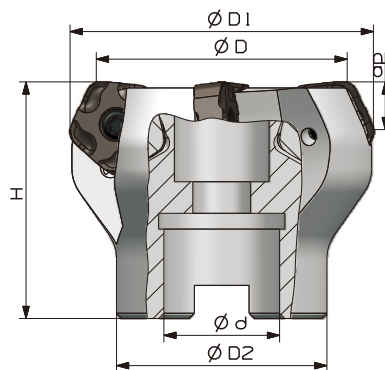
Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	$\varnothing D_2$	$\varnothing D_1$	$\varnothing D$	$\varnothing d$	H	a_p			
DF01.09A27.080.08	60	88.5	80	27	50	8.5	A	8	1.1
DF01.09B32.100.10	70	108.5	100	32	50	8.5	B	10	2.6
DF01.09B40.125.14	80	133.5	125	40	63	8.5	B	14	3.7
DF01.09B40.160.18	100	168.5	160	40	63	8.5	B	18	5.6
DF01.09C60.200.22	150	208.5	200	60	63	8.5	C	22	6.3
DF01.09C60.250.28	200	258.5	250	60	63	8.5	C	28	10.3
DF01.09D60.315.32	270	323.5	315	60	63	8.5	D	32	21.7

<p>Insert</p>  <p>HNEX0905</p>	<p>Clamping Screw</p>  <p>DM6*20</p>	<p>Clamp</p>  <p>W18N</p>	<p>Wrench</p>  <p>S3</p>
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INDEX MILLING

DF01

67°



INDEX MILLING

Category	Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
		$\varnothing D2$	$\varnothing D1$	$\varnothing D$	$\varnothing d$	H	ap			
Standard	DF01.11A22.050.04	40	60	50	22	45	5	A	4	0.6
	DF01.11A22.063.05	50	73	63	22	50	5	A	5	0.8
	DF01.11B27.080.06	60	90	80	27	50	5	B	6	1.1
	DF01.11B32.100.07	70	110	100	32	50	5	B	7	1.8
	DF01.11B40.125.08	80	135	125	40	63	5	B	8	2.9
	DF01.11B40.160.10	100	170	160	40	63	5	B	10	5.6
	DF01.11C60.200.12	150	210	200	60	63	5	C	12	7.9
	DF01.11C60.250.14	180	260	250	60	63	5	C	14	13.4
Multiple	DF01.11A22.050.05	40	60	50	22	45	5	A	5	0.6
	DF01.11A22.063.06	50	73	63	22	50	5	A	6	0.9
	DF01.11B27.080.08	60	90	80	27	50	5	B	8	1.2
	DF01.11B32.100.10	70	110	100	32	50	5	B	10	1.9
	DF01.11B40.125.12	80	135	125	40	63	5	B	12	3.2
	DF01.11B40.160.14	100	170	160	40	63	5	B	14	6.4
	DF01.11C60.200.16	150	210	200	60	63	5	C	16	8.5
	DF01.11C60.250.18	180	260	250	60	63	5	C	18	18

Insert



PNEG110512R

Insert Screw



TL60 M4X10

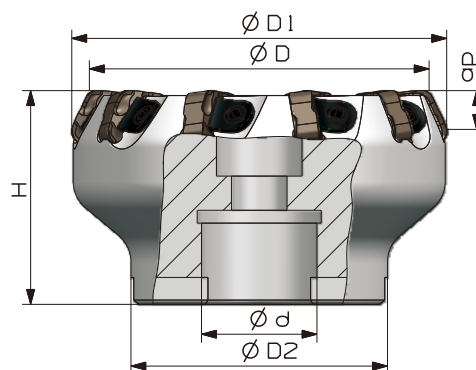
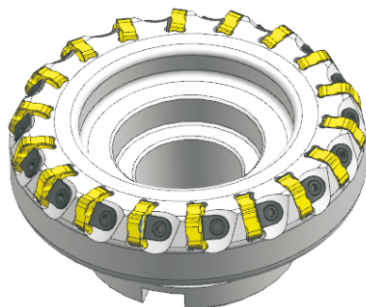
Wrench







T15T

DF01

67°



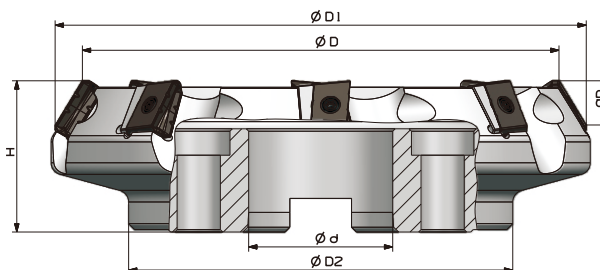
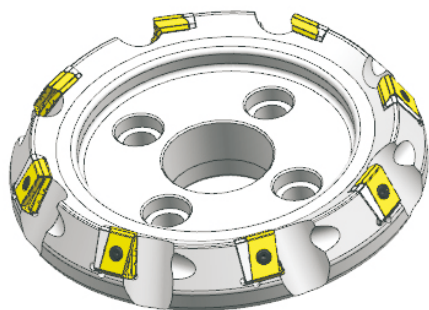
Category	Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
		$\varnothing D_2$	$\varnothing D_1$	$\varnothing D$	$\varnothing d$	H	a_p			
Multiple	DF01.11A27.080.10	60	90.1	80	27	50	5	A	10	1.3
	DF01.11B32.100.14	70	110.1	100	32	50	5	B	14	1.6
	DF01.11B40.125.18	80	135.1	125	40	63	5	B	18	3.2
	DF01.11B40.160.22	100	170.1	160	40	63	5	B	22	5.8

 Insert	 Clamping Screw	 Clamp	 Wrench
PNEG110512R	DM6*20	W18N	S3

INDEX MILLING

60°

DF02



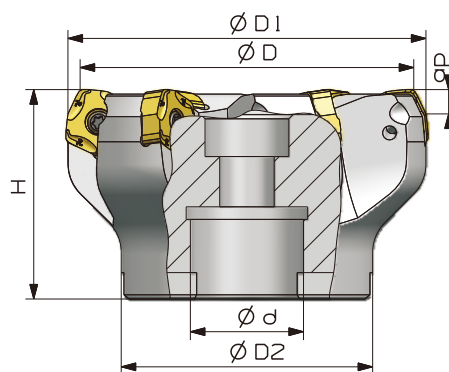
INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	Ød	H	a _p			
DF02.25B40.125.05	80	154	125	40	63	17	B	5	4.5
DF02.25C40.160.06	100	189	160	40	63	17	C	6	6.9
DF02.25C60.200.08	150	229	200	60	63	17	C	8	10.5
DF02.25C60.250.10	160	278	250	60	63	17	C	10	16.7
DF02.25D60.315.12	270	346	315	60	63	17	D	12	27.3

Insert  LNKT2510	Shim  LLN25R-ZR	Insert Screw  TL60 M5X16	Shim Screw  L60 M3.5X10	Wrench  T15T/T20T
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DF03

65°



Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	Ød	H	ap			
DF03.15A22.050.04	40	57	50	22	40	6	A	4	0.5
DF03.15A22.063.05	50	70	63	22	40	6	A	5	0.7
DF03.15A27.080.06	60	87	80	27	50	6	A	6	1.1
DF03.15B32.100.07	70	107	100	32	50	6	B	7	1.8
DF03.15B40.125.08	80	132	125	40	63	6	B	8	3.4
DF03.15B40.160.10	100	167	160	40	63	6	B	10	5.2
DF03.15C60.200.12	150	207	200	60	63	6	C	12	7.8

INDEX MILLING

Insert



R365-1505ZNE

Insert Screw



TL60 M4X10

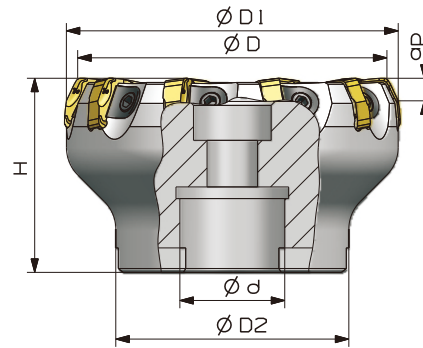
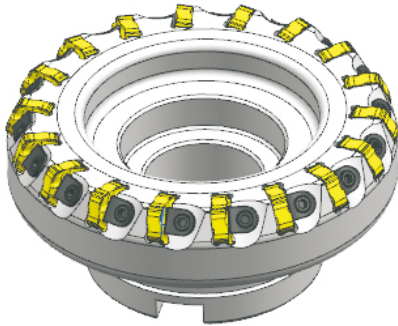
Wrench



T15T

DF03

65°



INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	$\varnothing D_2$	$\varnothing D_1$	$\varnothing D$	$\varnothing d$	H	a_p			
DF03.15A27.080.10	60	87	80	27	50	6	A	10	1.4
DF03.15B32.100.14	70	107	100	32	50	6	B	14	2.0
DF03.15B40.125.18	80	132	125	40	63	6	B	18	3.8
DF03.15B40.160.22	100	167	160	40	63	6	B	22	5.7
DF03.15C60.200.28	150	207	200	60	63	6	C	28	10.2
DF03.15C60.250.36	180	257	250	60	63	6	C	36	15.2

Insert



R365-1505ZNE

Clamping Screw



DM6*20

Clamp



W18N

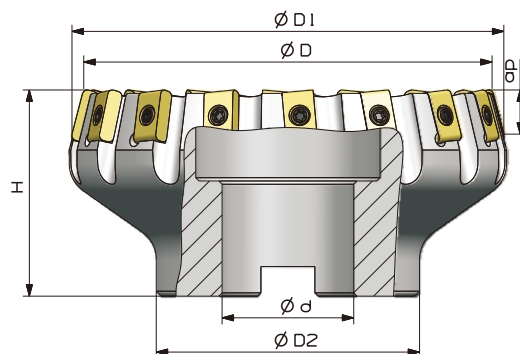
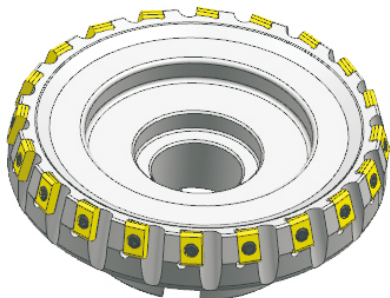
Wrench






S3

EF01

75°



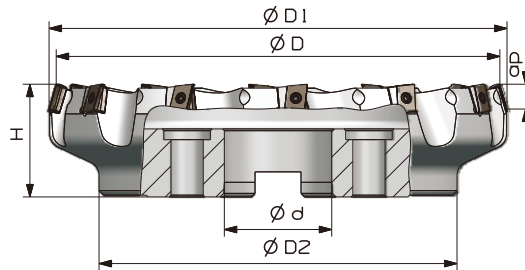
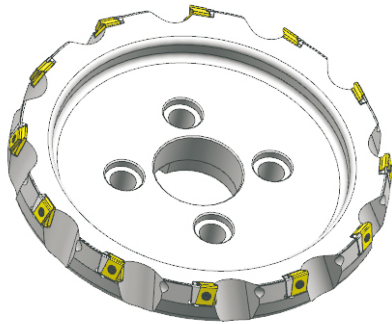
Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ϕD_2	ϕD_1	ϕD	ϕd	H	a_p			
EF01.15B40.125.16	80	132	125	40	63	8	B	16	3.5
EF01.15B40.160.20	100	168	160	40	63	8	B	20	6.1
EF01.15C60.200.25	150	208	200	60	63	8	C	25	7.4
EF01.15C60.250.32	200	257	250	60	63	8	C	32	13.1
EF01.15D60.315.40	250	323	315	60	63	8	D	40	25.5

Insert 	Insert Screw 	Wrench 
LNE32.534	TL60 M4X10	T15T

INDEX MILLING

75°

EF02



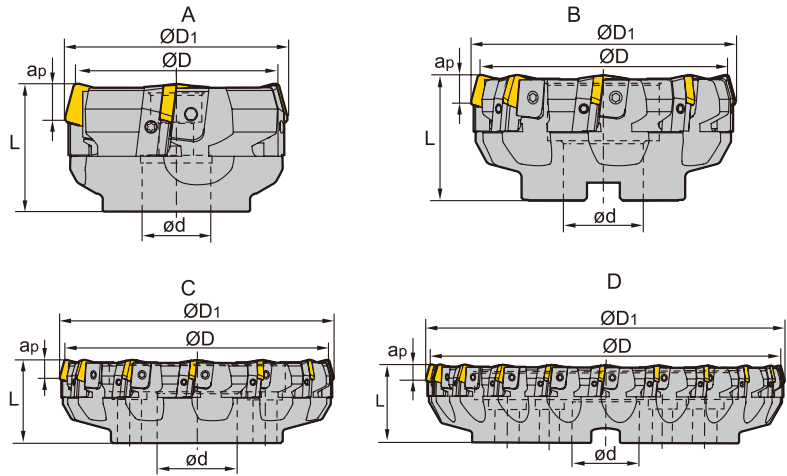
INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	ød	H	ap			
EF02.15B40.125.06	80	137	125	40	63	8	B	6	3.8
EF02.15B40.160.08	100	170	160	40	63	8	B	8	6.6
EF02.15C60.200.10	150	208	200	60	63	8	C	10	9.6
EF02.15C60.250.12	200	257	250	60	63	8	C	12	13.4
EF02.15D60.315.16	250	328	315	60	63	8	D	16	25.2

<p>Insert</p>  <p>LNKT1506</p>	<p>Shim</p>  <p>LLN15R-ZR</p>	<p>Insert Screw</p>  <p>TL60 M4X15</p>	<p>Shim Screw</p>  <p>L60 M3X8</p>	<p>Wrench</p>  <p>T10T/T15T</p>
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75°

EF03



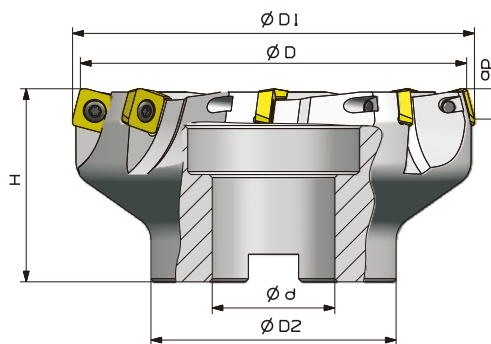
Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	ØD1	ød	L	ap			
EF03.12A27.080.04	80	84	27	50	6	4	A	1.1
EF03.12B27.100.06	100	104	27	50	6	6	B	1.9
EF03.12B40.125.08	125	129	40	63	6	8	B	3.5
EF03.12B40.160.10	160	164	40	63	6	10	B	5.7
EF03.12C60.200.12	200	203	60	63	6	12	C	8.2
EF03.12C60.250.16	250	253	60	63	6	16	C	13.8
EF03.12D60.315.20	315	318	60	70	6	20	D	23.5
EF03.15A27.080.04	80	84	27	50	8	4	A	1.0
EF03.15B27.100.06	100	104	27	50	8	6	B	1.8
EF03.15B40.125.08	125	129	40	63	8	8	B	3.3
EF03.15B40.160.10	160	164	40	63	8	10	B	5.4
EF03.15C60.200.12	200	204	60	63	8	12	C	7.9
EF03.15C60.250.16	250	253	60	63	8	16	C	13.6
EF03.15D60.315.20	315	318	60	70	8	20	D	23.1

Insert	Tool chuck	Clamp	Clamping Screw	Tool chuck screw	Wrench
SPKN1203	LSP12R/L	W04R/L	WM8×17	LOM5×15.1	S3
SPKN1203	LSP12R/L	W04R/L	WM8×22		S4
SPKN1504	LSP15R/L	W04R/L	WM8×22		

INDEX MILLING

EF04

75°



INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	ØD ₂	ØD ₁	ØD	Ød	H	ap			
EF04.12A22.050.04	40	54	50	22	40	6	A	4	0.3
EF04.12A22.063.05	50	66	63	22	50	6	A	5	0.6
EF04.12A27.080.06	60	83	80	27	50	6	A	6	0.9
EF04.12B32.100.07	70	103	100	32	50	6	B	7	1.4
EF04.12B40.125.08	80	128	125	40	63	6	B	8	2.5

Insert



SPK□1204

Insert Screw



TL60 M5X12

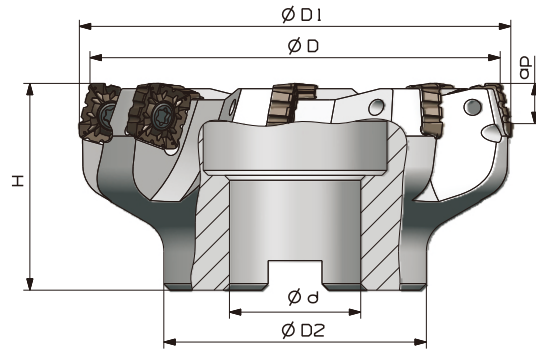
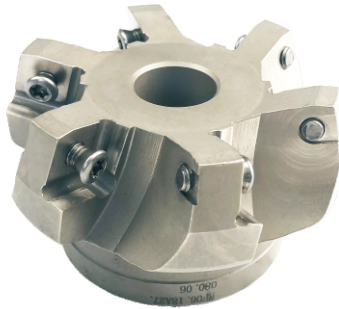
Wrench



T20T

EF06

75°



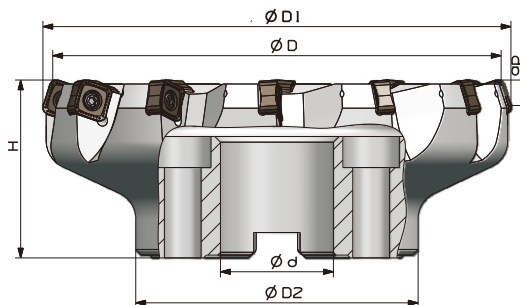
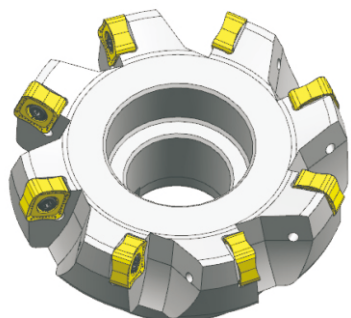
Category	Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
		ØD ₂	ØD ₁	ØD	ød	H	a _p			
Standard	EF06.18A27.080.04	60	87	80	27	50	12.4	A	4	1.3
	EF06.18B32.100.05	70	107	100	32	50	12.4	B	5	2.0
	EF06.18B40.125.06	80	132	125	40	63	12.4	B	6	3.6
	EF06.18B40.160.08	100	167	160	40	63	12.4	B	8	5.0
	EF06.18C60.200.10	150	207	200	60	63	12.4	C	10	7.7
	EF06.18C60.250.12	180	257	250	60	63	12.4	C	12	12.0
Multiple	EF06.18A27.080.06	60	87	80	27	50	12.4	A	6	1.3
	EF06.18B32.100.07	70	107	100	32	50	12.4	B	7	1.9
	EF06.18B40.125.08	80	132	125	40	63	12.4	B	8	3.5
	EF06.18B40.160.10	100	167	160	40	63	12.4	B	10	4.9
	EF06.18C60.200.12	150	207	200	60	63	12.4	C	12	7.6
	EF06.18C60.250.14	180	257	250	60	63	12.4	C	14	17.0

Insert 	Clamping Screw 	Wrench 
SPMT1806EDER	TL60 M6X16	T25T

INDEX MILLING

75°

EF07



INDEX MILLING

Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	$\varnothing D2$	$\varnothing D1$	$\varnothing D$	$\varnothing d$	H	a_p			
EF07.12A22.050.05	40	56	50	22	40	8	A	5	0.3
EF07.12A22.063.06	50	70	63	22	40	8	A	6	0.5
EF07.12A27.080.07	60	87	80	27	50	8	A	7	1.2
EF07.12B32.100.08	70	107	100	32	50	8	B	8	1.7
EF07.12B40.125.10	80	132	125	40	63	8	B	10	2.8
EF07.12C40.160.12	100	166	160	40	63	8	C	12	4.4
EF07.12C60.200.16	150	207	200	60	63	8	C	16	6.1
EF07.12C60.250.20	180	257	250	60	63	8	C	20	10.8

Insert



SNMX1205XTN

Insert Screw



TL60 M4X10

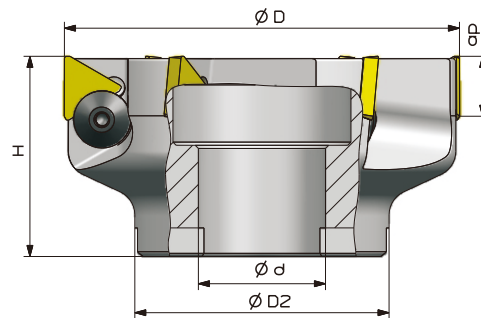
Wrench



T15T

PF01

90°



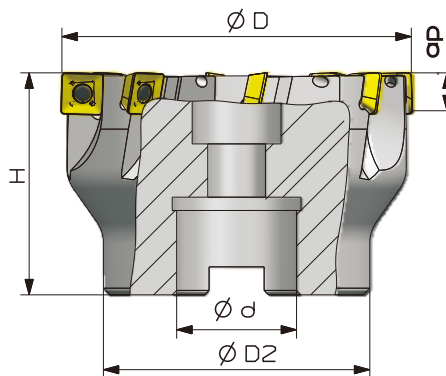
Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	$\varnothing D2$	$\varnothing D$	$\varnothing d$	H	a_p			
PF01.22A22.063.03	50	63	22	50	15	A	3	0.5
PF01.22A27.080.04	60	80	27	50	15	A	4	0.9
PF01.22B32.100.05	70	100	32	50	15	B	5	1.8
PF01.22B40.125.06	80	125	40	63	15	B	6	2.5
PF01.22B40.160.07	100	160	40	63	15	B	7	3.6

Insert 	Insert Screw 	Wrench 
TPKN2204	MYL8X18	S4

INDEX MILLING

PF02

90°



INDEX MILLING

Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD ₂	ØD	Ød	H	a _p			
PF02.09A22.050.05	40	50	22	40	6.5	A	5	0.3
PF02.09A22.063.06	50	63	22	40	6.5	A	6	0.5
PF02.09A27.080.08	60	80	27	50	6.5	A	8	0.9
PF02.09B32.100.08	70	100	32	50	6.5	B	8	1.7
PF02.09B32.100.10	70	100	32	50	6.5	B	10	1.7
PF02.09B40.125.12	80	125	40	63	6.5	B	12	2.6

Insert



SEET09T308PER

Insert Screw



TL60 M3X7

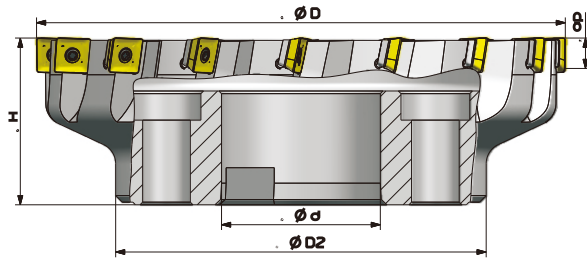
Wrench



T08T

PF02

90°



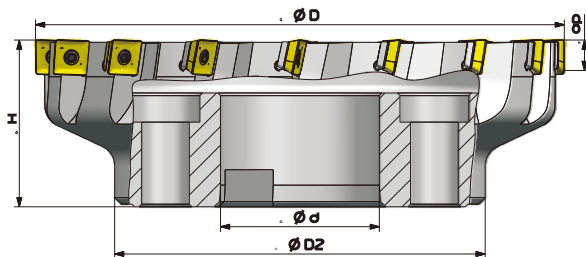
Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD ₂	ØD	Ød	H	a _p			
Sparse	PF02.12A22.050.03	40	50	22	40	10	A	3	0.3
	PF02.12A22.063.04	50	63	22	40	10	A	4	0.65
	PF02.12A27.080.04	60	80	27	50	10	A	4	0.9
	PF02.12B32.100.05	70	100	32	50	10	B	5	1.2
	PF02.12B40.125.06	80	125	40	63	10	B	6	3.1
	PF02.12C40.160.08	100	160	40	63	10	C	8	4.1
	PF02.12C60.200.10	140	200	60	63	10	C	10	6.1
	PF02.12C60.250.12	200	250	60	63	10	C	12	10.9
Standard	PF02.12A22.050.04	40	50	22	40	10	A	4	0.3
	PF02.12A22.063.05	50	63	22	40	10	A	5	0.65
	PF02.12A27.080.06	60	80	27	50	10	A	6	0.9
	PF02.12B32.100.07	70	100	32	50	10	B	7	1.2
	PF02.12B40.125.08	80	125	40	63	10	B	8	3.1
	PF02.12C40.160.12	100	160	40	63	10	C	12	4.1

 Insert SEET120308PER	 Shim S12BSX	 Threaded Sleeve SM0508	 Insert Screw TL60 M3.5X10	 Wrench T15 T	 Wrench S3.5
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INDEX MILLING

PF02

90°



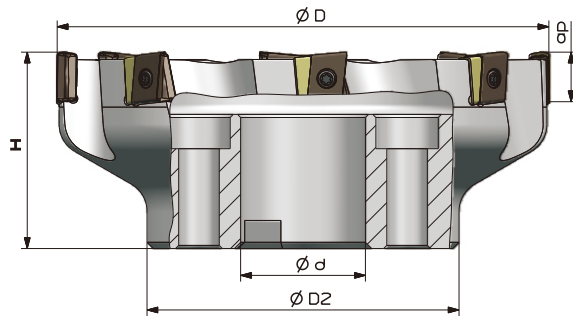
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		$\varnothing D_2$	$\varnothing D$	$\varnothing d$	H	a_p			
Multiple	PF02.12A22.050.05	40	50	22	40	10	A	5	0.3
	PF02.12A22.063.06	50	63	22	40	10	A	6	0.65
	PF02.12A27.080.08	60	80	27	50	10	A	8	0.9
	PF02.12B32.100.10	70	100	32	50	10	B	10	1.2
	PF02.12B40.125.12	80	125	40	63	10	B	12	3.1
	PF02.12C40.160.14	100	160	40	63	10	C	14	4.1
	PF02.12C60.200.16	140	200	60	63	10	C	16	6.1
	PF02.12C60.250.18	200	250	60	63	10	C	18	10.9
	PF02.12D60.315.24	250	315	60	63	10	D	24	21.6

 Insert SEET120308PER	 Shim S12BSX	 Threaded Sleeve SM0508	 Insert Screw TL60 M3.5X10	 wrench T15 T	 Wrench S3.5
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PF03

90°



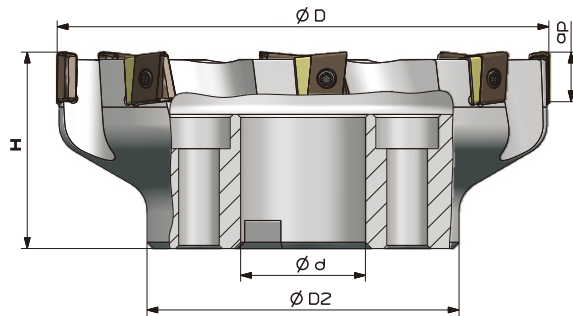
Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD ₂	ØD	Ød	H	a _p			
LN15	PF03.15B40.125.06	80	125	40	63	8	B	6	3.2
	PF03.15C40.160.08	100	160	40	63	8	C	8	5.1
	PF03.15C60.200.10	150	200	60	63	8	C	10	6.5
	PF03.15C60.250.12	200	250	60	63	8	C	12	11.5
	PF03.15D60.315.16	250	315	60	63	8	D	16	19.8

Insert	Shim	Insert Screw	Shim Screw	Wrench	Wrench
LNKT1506EN-ZR	LLN15-ZR	TL60 M4X12	L60 M3X7	T15T	T10T
LNKT2007DN-ZR	LLN20-ZR	TL60 M4X15	L60 M3X7	T15T	T10T
LNKT2510-ZR	LLN25R-ZR	TL60 M5X17	L60 M3.5X10	T15T	T20T

INDEX MILLING

PF03

90°



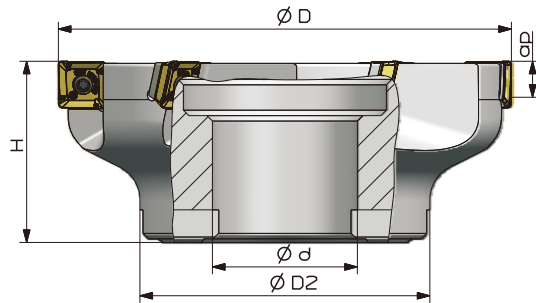
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD ₂	ØD	Ød	H	a _p			
LN20	PF03.20B40.125.06	80	125	40	63	12	B	6	3.2
	PF03.20C40.160.08	100	160	40	63	12	C	8	5.1
	PF03.20C60.200.10	150	200	60	63	12	C	10	6.5
	PF03.20C60.250.12	200	250	60	63	12	C	12	11.5
	PF03.20D60.315.15	250	315	60	63	12	D	15	19.8
LN25	PF03.25B40.125.05	80	125	40	63	15	B	5	3.2
	PF03.25C40.160.06	100	160	40	63	15	C	6	5.1
	PF03.25C60.200.08	150	200	60	63	15	C	8	6.5
	PF03.25C60.250.10	200	250	60	63	15	C	10	11.5
	PF03.25D60.315.12	250	315	60	63	15	D	12	19.8

Insert	Shim	Insert Screw	Shim Screw	Wrench	Wrench
					
LNKT1506EN-ZR	LLN15-ZR	TL60 M4X12	L60 M3X7	T15T	T10T
LNKT2007DN-ZR	LLN20-ZR	TL60 M4X15	L60 M3X7	T15T	T10T
LNKT2510-ZR	LLN25R-ZR	TL60 M5X17	L60 M3.5X10	T15T	T20T

PF04

90°



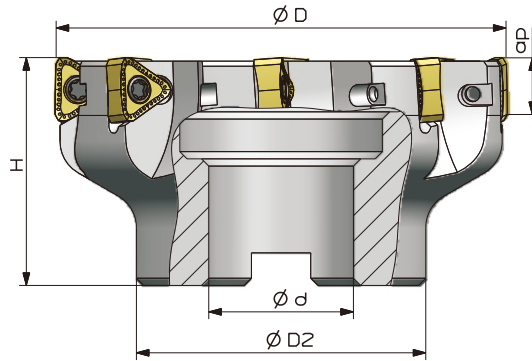
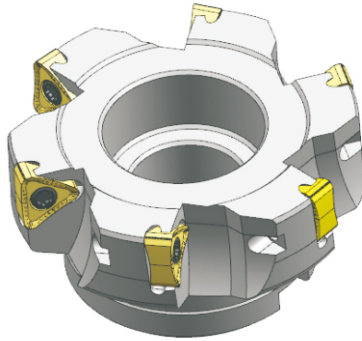
Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	$\varnothing D_2$	$\varnothing D$	$\varnothing d$	H	a_p			
PF04.12A22.050.03	40	50	22	40	9	A	3	0.5
PF04.12A22.063.04	50	63	22	40	9	A	4	0.6
PF04.12B27.080.04	60	80	27	50	9	B	4	0.9
PF04.12B32.100.05	70	100	32	50	9	B	5	1.3
PF04.12B40.125.06	80	125	40	63	9	B	6	2.7
PF04.12C40.160.08	100	160	40	63	9	C	8	4.1
PF04.12C60.200.10	150	200	60	63	9	C	10	6.2
PF04.12C60.250.12	180	250	60	63	9	C	12	10.7

INDEX MILLING

 Insert R290-12T308	 Shim S12BSX	 Threaded Sleeve SM0508	 Insert Screw TL60 M3.5X10	 Wrench T15T	 Wrench S3.5
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PF05

90°



INDEX MILLING

Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD ₂	ØD	Ød	H	a _p			
PF05.22A27.080.05	60	80	27	50	14	A	5	0.9
PF05.22B32.100.06	70	100	32	50	14	B	6	1.5
PF05.22B40.125.08	80	125	40	63	14	B	8	2.4
PF05.22C40.160.10	100	160	40	63	14	C	10	4.0
PF05.22C60.200.12	150	200	60	63	14	C	12	5.7
PF05.22C60.250.14	180	250	60	63	14	C	14	10.3

Insert



TNGX2207PNTN

Insert Screw



TL60 M5X12

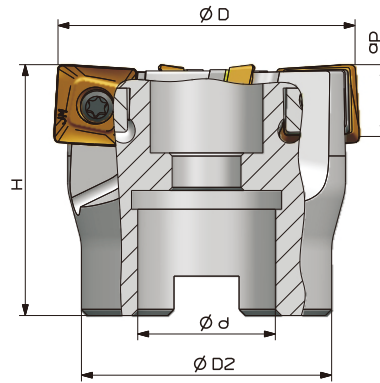
Wrench









T20T

PF06

90°



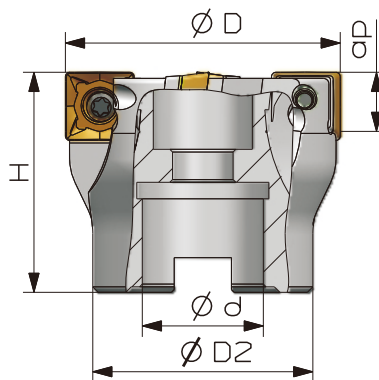
Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD ₂	ØD	Ød	H	a _p			
PF06.12A22.050.04	40	50	22	40	10	A	4	0.3
PF06.12A22.063.05	50	63	22	40	10	A	5	0.5
PF06.12B27.080.06	60	80	27	50	10	B	6	0.6
PF06.12B32.100.07	70	100	32	50	10	B	7	1.4
PF06.12B40.125.08	80	125	40	63	10	B	8	2.2
PF06.12C40.160.12	100	160	40	63	10	C	12	3.5
PF06.12C60.200.16	150	200	60	63	10	C	16	6.2
PF06.12C60.250.18	180	250	60	63	10	C	18	10.7

 Insert SOMT12T308PEER	 Shim S12BSX	 Threaded Sleeve SM0508	 Insert Screw TL60 M3.5X10	 Wrench T15T	 Wrench S3.5
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INDEX MILLING

PF07

90°



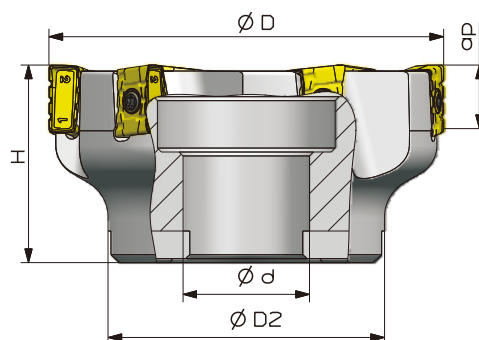
INDEX MILLING

Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	$\varnothing D_2$	$\varnothing D$	$\varnothing d$	H	a_p			
PF07.12A22.050.04	40	50	22	40	10	A	4	0.3
PF07.12A22.063.05	50	63	22	40	10	A	5	0.5
PF07.12A27.080.06	60	80	27	50	10	A	6	1.0
PF07.12B32.100.07	70	100	32	50	10	B	7	1.5
PF07.12B40.125.08	80	125	40	63	10	B	8	2.5
PF07.12C40.160.10	100	160	40	63	10	C	10	4.5
PF07.12C60.200.12	150	200	60	63	10	C	12	8.3

Insert	Shim	Threaded Sleeve	Insert Screw	Wrench	Wrench
XDMT120408PDER	S12BSX	SM0508	TL60 M3.5X10	T15T	S3.5

PF08

90°



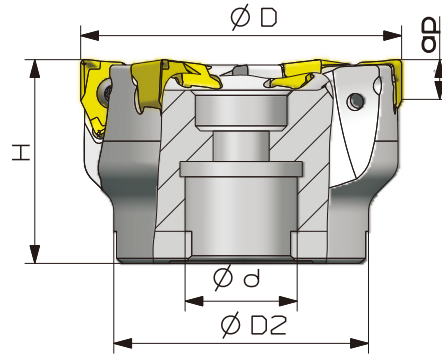
Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD ₂	ØD	ød	H	a _p			
PF08.17B27.080.05	60	80	27	50	14	B	5	1.0
PF08.17B32.100.06	70	100	32	50	14	B	6	1.8
PF08.17B40.125.06	80	125	40	63	14	B	6	2.4
PF08.17B40.160.08	100	160	40	63	14	B	8	4.0
PF08.17C60.200.10	150	200	60	63	14	C	10	6.5
PF08.17C60.250.12	180	250	60	63	14	C	12	12.3

INDEX MILLING

Insert	Insert Screw	Wrench
		
LNMX170808PNSR	TL60 M4X12	T15T

PF09

90°



INDEX MILLING

Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD ₂	ØD	Ød	H	a _p			
PF09.08A22.050.05	40	50	22	40	6	A	5	0.3
PF09.08A22.063.06	50	63	22	40	6	A	6	0.5
PF09.08B27.080.07	60	80	27	50	6	B	7	1.0
PF09.08B32.100.08	70	100	32	50	6	B	8	1.8
PF09.08B40.125.11	80	125	40	63	6	B	11	2.4
PF09.08B40.160.12	100	160	40	63	6	B	12	3.8
PF09.08C60.200.16	150	200	60	63	6	C	16	6.2

Insert



XNEX0806

Insert Screw



TL60 M4X12

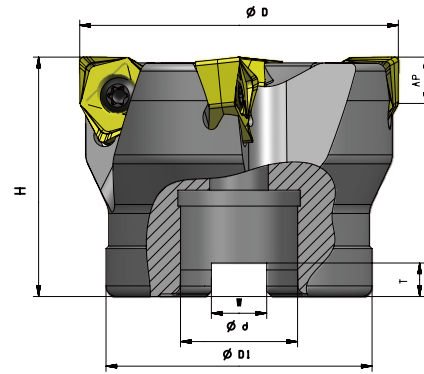
Wrench



T15T

PF10

90°

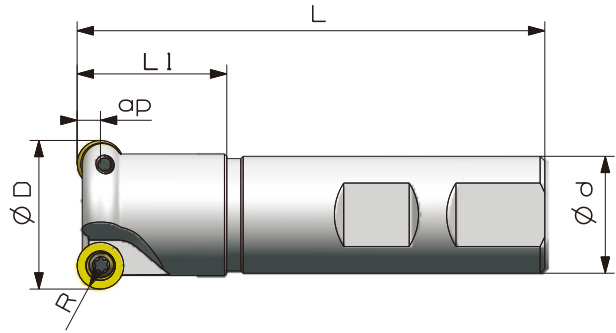


Type	Dimension (mm)							Adapter	Tooth	Weight (kg)
	ØD	ØD1	Ød	H	W	ap	T			
PF10.08A22.063.03	63	47	22	40	10.4	8	6.3	A	3	0.5
PF10.08A27.080.04	80	60	27	50	12.4	8	6.3	A	4	1.0
PF10.08B32.100.05	100	70	32	50	14.4	8	8	B	5	1.3
PF10.08B40.125.06	125	80	40	63	16.4	8	9	B	6	2.5
PF10.08B40.160.08	160	100	40	63	16.4	8	9	B	8	3.8
PF10.08C60.200.10	200	150	60	63	25.7	8	14	C	10	6.0
PF10.08C60.250.12	250	180	60	63	25.7	8	14	C	12	8.4
PF10.08A22.063.04	63	47	22	40	10.4	8	6.3	A	4	0.5
PF10.08A27.080.05	80	60	27	50	12.4	8	6.3	A	5	1.0
PF10.08B32.100.07	100	70	32	50	14.4	8	8	B	7	1.3
PF10.08B40.125.08	125	80	40	63	16.4	8	9	B	8	2.5
PF10.08B40.160.10	160	100	40	63	16.4	8	9	B	10	3.8
PF10.08C60.200.12	200	150	60	63	25.7	8	14	C	12	6.0
PF10.08C60.250.14	250	180	60	63	25.7	8	14	C	14	8.4

 Insert WNMU080608	 Insert Screw TL60 M5X13	 Wrench T20T
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INDEX MILLING

RF01

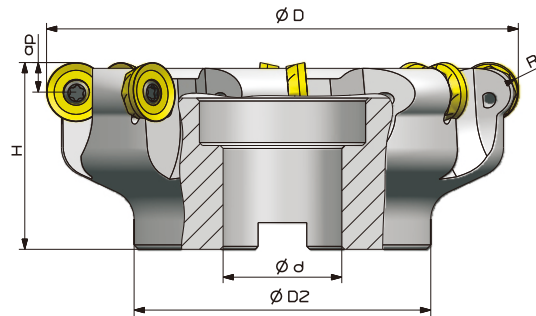


INDEX MILLING




Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	R	ØD	ød	L	L1	ap			
RF01.10W20.025.02	5	25	20	100	30	5	W	2	0.2
RF01.10W25.032.02	5	32	25	120	35	5	W	2	0.5
RF01.12W32.040.03	6	40	32	120	40	6	W	3	0.7
RF01.12W32.050.03	6	50	32	120	40	6	W	3	0.8

Insert	Insert Screw	Wrench
RCKT10T3MO-DM	TL60 M4X10	T15
RCKT1204MO-DR	TL60 M4X10	T15

RF01

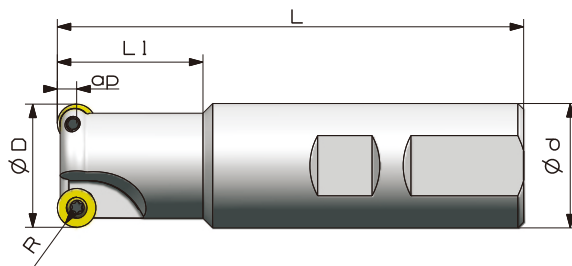


Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	R	ØD	Ød	H	ØD ₂	a _p			
RF01.12A22.063.04	6	63	22	50	50	6	A	4	0.7
RF01.16B27.080.05	8	80	27	50	60	8	B	5	0.7
RF01.16B32.100.06	8	100	32	50	70	8	B	6	1.2
RF01.20B40.125.07	10	125	40	63	80	10	B	7	2.2
RF01.20B40.160.08	10	160	40	63	100	10	B	8	4.2

Insert	Insert Screw	Wrench
		
RCKT1204MO-DR	TL60 M4X10	T15T
RCKT1606MO-DR	TL60 M5X12	T20T
RCKT2006MO-DR	TL60 M6X16	T25T

INDEX MILLING

RF02

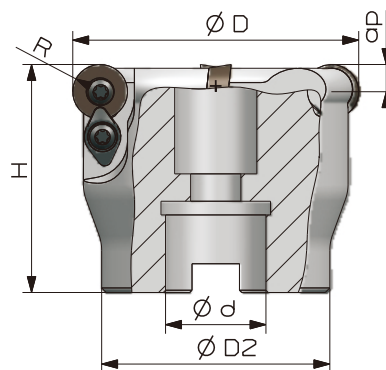


INDEX MILLING



Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	R	ØD	ød	L	L1	ap			
RF02.08W16.016.02	4	16	16	100	25	4	W	2	0.1
RF02.08W25.025.02	4	25	25	100	30	4	W	2	0.3
RF02.10W32.032.02	5	32	32	120	40	5	W	2	0.7
RF02.12W32.040.03	6	40	32	120	40	6	W	3	0.7
RF02.12W32.050.04	6	50	32	120	40	6	W	4	0.8

Insert	Insert Screw	Wrench
 RDKW0803MO	 TL60 M3X7	 T10
RDKW10T3MO	TL60 M4X10	T15
RDKW1204MO	TL60 M4X10	T15

RF02

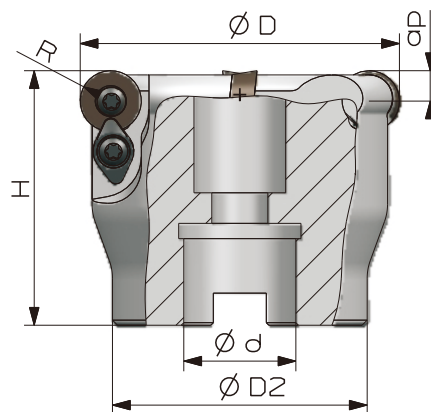


Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
	R	$\varnothing D$	$\varnothing d$	H	$\varnothing D_2$	a_p			
RF02.12A22.050.03	6	50	22	40	40	6	A	3	0.3
RF02.12A22.063.04	6	63	22	50	50	6	A	4	0.5
RF02.16B27.080.05	8	80	27	50	60	8	B	5	1.2
RF02.16B32.100.06	8	100	32	50	70	8	B	6	1.6
RF02.20B40.125.06	10	125	40	63	80	10	B	6	1.9
RF02.20B40.160.07	10	160	40	63	100	10	B	7	3.7

Insert	Insert Screw	Clamp	Wrench
			
RDKW1204MO	TL60 M4X10	WD204	T15T
RDKW1605MO	TL60 M5X12	WD208	T20T
RDKW2006MO	TL60 M6X16		T25T





INDEX MILLING

RF03

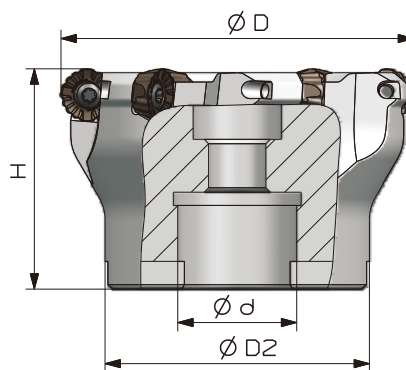
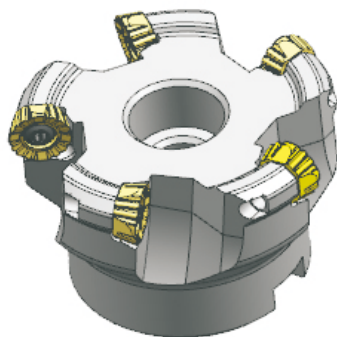


INDEX MILLING

Category	Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
		R	ØD	Ød	H	ØD2	ap			
RP12	RF03.12A22.050.04	6	50	22	40	40	6	A	4	0.4
	RF03.12A22.063.05	6	63	22	45	50	6	A	5	0.7
	RF03.12B27.080.06	6	80	27	50	60	6	B	6	1.2
RP16	RF03.16A22.063.04	8	63	22	50	40	8	A	4	0.7
	RF03.16A27.080.05	8	80	27	50	60	8	A	5	1.2
	RF03.16B32.100.06	8	100	32	63	70	8	B	6	1.6




Insert	Insert Screw	Clamp	Wrench
			
RPMT1204MO	TL60 M4X10	WD204	T15T
RPMT1606MO	TL60 M5X12	WD208	T20T

RF04



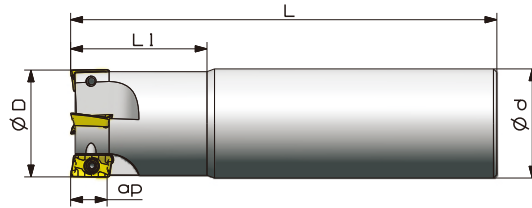
Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
	$\varnothing D_2$	$\varnothing D$	$\varnothing d$	H			
RF04.12A22.050.04	40	50	22	40	A	4	0.2
RF04.12A22.050.05	40	50	22	40	A	5	0.2
RF04.12A22.063.05	50	63	22	40	A	5	0.4
RF04.12A22.063.06	50	63	22	40	A	6	0.4
RF04.12A27.080.06	60	80	27	50	A	6	0.9

INDEX MILLING

 Insert	 Insert Screw	 Wrench
QPMT120440	TL60 M4X10	T15T

PE01

90°



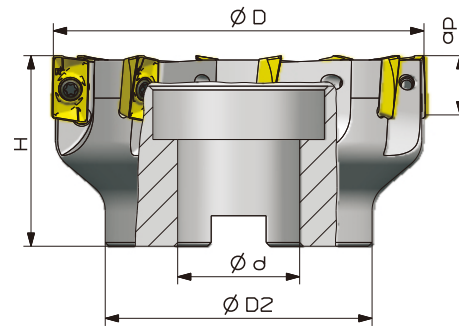
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	L	L1	ap			
AP11	PE01.11Z16.012.01	12	16	85	25	10.5	Z	1	0.1
	PE01.11Z16.016.02	16	16	90	25	10.5	Z	2	0.1
	PE01.11Z20.020.02	20	20	100	30	10.5	Z	2	0.2
	PE01.11Z25.025.03	25	25	115	35	10.5	Z	3	0.4
	PE01.11Z32.032.04	32	32	125	40	10.5	Z	4	0.7
	PE01.11W16.012.01	12	16	85	25	10.5	W	1	0.1
	PE01.11W16.016.02	16	16	90	25	10.5	W	2	0.1
	PE01.11W20.020.02	20	20	100	30	10.5	W	2	0.2
	PE01.11W25.025.03	25	25	115	35	10.5	W	3	0.4
	PE01.11W32.032.04	32	32	125	40	10.5	W	4	0.7
AP16	PE01.16Z25.025.02	25	25	115	35	15.5	Z	2	0.4
	PE01.16Z32.032.03	32	32	125	40	15.5	Z	3	0.7
	PE01.16Z32.040.04	40	32	130	42	15.5	Z	4	0.8
	PE01.16W25.025.02	25	25	115	35	15.5	W	2	0.4
	PE01.16W32.032.03	32	32	125	40	15.5	W	3	0.7
	PE01.16W32.040.04	40	32	130	42	15.5	W	4	0.8

Insert	Insert Screw	Wrench
 APKT11T3□□	 TL60 M2.5X6.5	 T08
APKT1604□□	TL60 M4X10	T15

PE01

90°



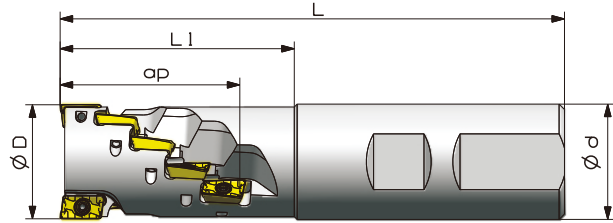
Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	ØD ₂	H	a _p			
AP11	PE01.11A22.050.06	50	22	40	40	11	A	6	0.3
	PE01.11A22.063.08	63	22	50	40	11	A	8	0.6
	PE01.11A27.080.08	80	27	60	50	11	A	8	1.2
	PE01.11B32.100.10	100	32	70	50	11	B	10	1.7
AP16	PE01.16A22.050.05	50	22	40	40	15.5	A	5	0.3
	PE01.16A22.063.06	63	22	50	40	15.5	A	6	0.5
	PE01.16A27.080.07	80	27	60	50	15.5	A	7	1.1
	PE01.16B32.100.08	100	32	70	50	15.5	B	8	1.6
	PE01.16B40.125.10	125	40	80	63	15.5	B	10	3.2
	PE01.16B40.160.10	160	40	100	63	15.5	B	10	6.3

INDEX MILLING

Insert	Insert Screw	Wrench
APKT11T3□□	TL60 M2.5X6.5	T08
APKT1604□□	TL60 M4X10	T15

PE02

90°



INDEX MILLING

Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	ød	L	L1	ap			
PE02.11W20.020.01	20	20	120	45	29	W	1	0.3
PE02.11W25.025.02	25	25	130	55	39	W	2	0.4
PE02.11W32.032.02	32	32	140	65	48	W	2	0.7
PE02.11W32.040.02	40	32	150	75	55	W	2	1.3

Insert



APKT11T3□□

Insert Screw



TL60 M2.5X6.5

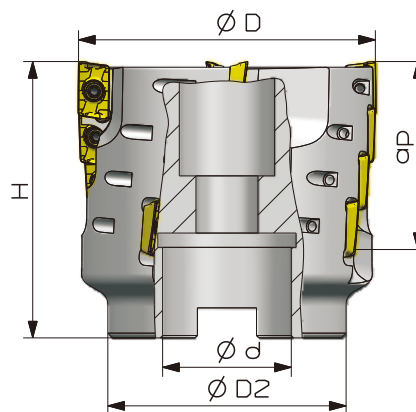
Wrench



T08

PE02

90°



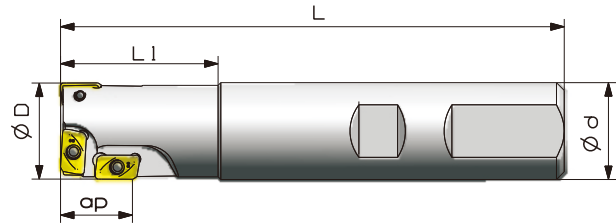
Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	Ød	ØD ₂	H	ap			
PE02.11A22.050.04	50	22	40	58	39	A	4	0.5
PE02.11A27.063.04	63	27	50	58	39	A	4	0.9
PE02.11B32.080.05	80	32	60	63	39	B	5	1.3
PE02.11B40.100.06	100	40	70	63	39	B	6	2.0

INDEX MILLING

Insert 	Insert Screw 	Wrench 
APKT11T3□□	TL60 M2.5X6.5	T08

PE03

90°



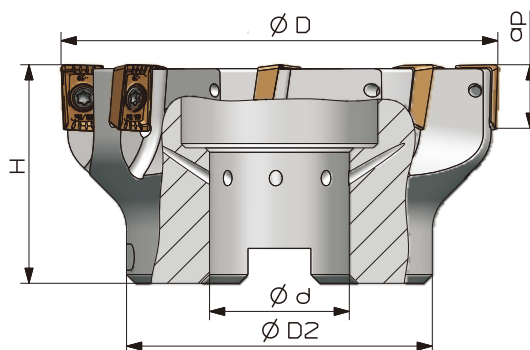
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	ød	L	L1	ap			
AP11	PE03.11W25.025	25	25	130	40	20	W	3	0.5
AP16	PE03.16W32.032	32	32	140	50	30	W	3	0.8
	PE03.16W32.040	40	32	150	50	30	W	3	1.0

Insert	Insert Screw	Wrench
APMT113504PDER	TL60 M2.5X6.5	T08
APMT160408PDER	TL60 M4X10	T15

PE04

90°



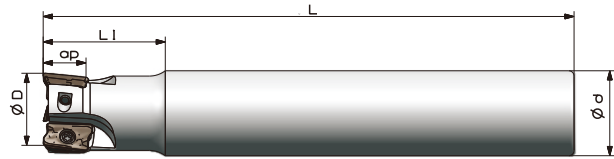
Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD ₂	ØD	ød	H	a _p			
PE04.15A16.040.04	35	40	16	40	13	A	4	0.3
PE04.15A22.050.05	40	50	22	40	13	A	5	0.5
PE04.15A22.063.06	50	63	22	40	13	A	6	0.9
PE04.15B27.080.07	60	80	27	50	13	B	7	1.7
PE04.15B32.100.08	70	100	32	50	13	B	8	1.7
PE04.15B40.125.10	80	125	40	63	13	B	10	2.6
PE04.15B40.160.12	100	160	40	63	13	B	12	3.5

INDEX MILLING

 Insert	 Insert Screw	 Wrench
LD□□1504□□	TL60 M3.5X12	T15

PE05

90°



INDEX MILLING

Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1	ap			
PE05.17W25.025.02	25	25	100	35	14	W	2	0.3
PE05.17Z25.025.02	25	25	200	45	14	Z	2	0.5
PE05.17W32.032.03	32	32	110	40	14	W	3	1.2
PE05.17Z32.032.03	32	32	200	45	14	Z	3	1.8
PE05.17W32.040.04	40	32	115	45	14	W	4	2.4
PE05.17Z32.040.04	40	32	250	45	14	Z	4	3.2

Insert



APKT1705PER

Insert Screw



TL60 M4X10

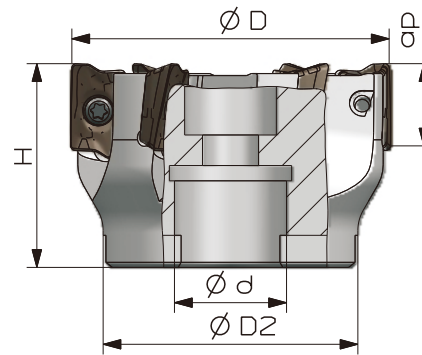
Wrench



T15

PE05

90°



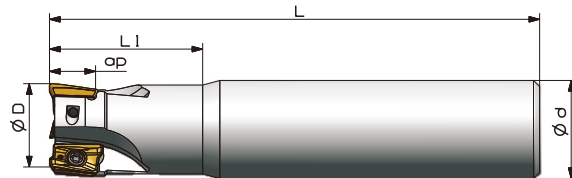
Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD ₂	ØD	Ød	H	ap			
PE05.17A16.040.04	35	40	16	40	14	A	4	0.3
PE05.17A22.050.05	40	50	22	40	14	A	5	0.4
PE05.17A22.063.06	50	63	22	40	14	A	6	0.5
PE05.17A27.080.07	60	80	27	50	14	A	7	1.3
PE05.17B32.100.08	70	100	32	50	14	B	8	1.5
PE05.17B40.125.09	80	125	40	63	14	B	9	3.9
PE05.17C40.160.10	100	160	40	63	14	C	10	5.6
PE05.17C60.200.12	150	200	60	63	14	C	12	7.0

INDEX MILLING

 Insert APKT1705PER	 Insert Screw TL60 M4X12	 Wrench T15T
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PE06

90°



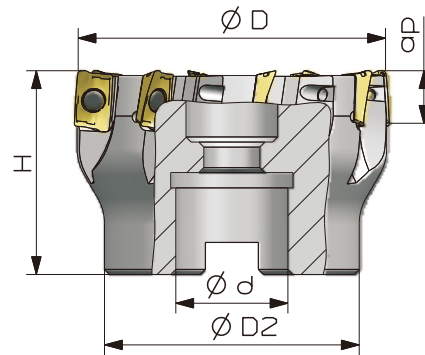
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		$\varnothing D$	$\varnothing d$	L	L1	a_p			
AX12	PE06.12Z16.016.02.S	16	16	100	25	10	Z	2	0.3
	PE06.12Z16.016.02.M	16	16	145	25	10	Z	2	0.5
	PE06.12Z20.020.03.S	20	20	110	30	10	Z	3	0.6
	PE06.12Z20.020.03.M	20	20	150	40	10	Z	3	0.8
	PE06.12Z25.025.04.S	25	25	120	35	10	Z	4	1.0
	PE06.12Z25.025.04.M	25	25	170	50	10	Z	4	1.5
	PE06.12Z32.032.05.S	32	32	130	40	10	Z	5	2.0
	PE06.12Z32.032.05.M	32	32	180	60	10	Z	5	2.4
	PE06.12Z32.040.06.S	40	32	150	30	10	Z	6	2.5
	PE06.12Z32.040.06.M	40	32	180	30	10	Z	6	3.2
AX17	PE06.17Z25.025.02.S	25	25	120	35	14	Z	2	1.0
	PE06.17Z25.025.02.M	25	25	170	50	14	Z	2	1.5
	PE06.17Z32.032.03.S	32	32	130	40	14	Z	3	2.0
	PE06.17Z32.032.03.M	32	32	180	60	14	Z	3	2.4
	PE06.17Z32.040.04.S	40	32	170	50	14	Z	4	2.5
	PE06.17Z32.040.04.M	40	32	220	50	14	Z	4	3.2

Insert	Insert Screw	Wrench
		
AXMT1235□□PEER	TL60 M3X7	T08
AXMT1705□□PEER	TL60 M4X10	T15

PE06

90°



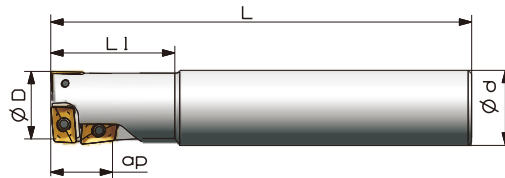
Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	ØD2	H	ap			
AX12	PE06.12A16.040.06	40	16	35	40	10	A	6	0.3
	PE06.12A22.050.07	50	22	40	40	10	A	7	0.3
	PE06.12A22.063.08	63	22	50	40	10	A	8	0.5
AX17	PE06.17A16.040.04	40	16	35	40	14	A	4	0.3
	PE06.17A22.050.05	50	22	40	40	14	A	5	0.3
	PE06.17A22.063.06	63	22	50	40	14	A	6	0.5
	PE06.17A27.080.07	80	27	60	50	14	A	7	1.7
	PE06.17B32.100.08	100	32	70	50	14	B	8	3.2
	PE06.17B40.125.09	125	40	80	63	14	B	9	6.3

INDEX MILLING

Insert	Insert Screw	Wrench
AXMT1235□□PEER	TL60 M3X7	T08T
AXMT1705□□PEER	TL60 M4X10	T15T

PE07

90°



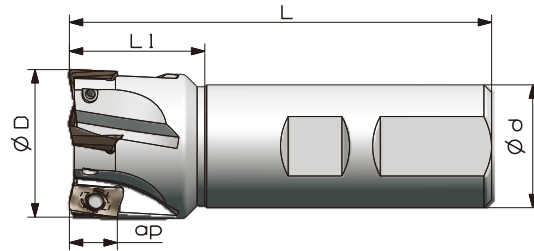
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	L	L1	ap			
AP10	PE07.10Z20.020.03.S	20	20	130	35	17	Z	1	0.3
	PE07.10Z20.020.03.M	20	20	185	60	17	Z	1	0.5
	PE07.10Z25.025.04.S	25	25	140	40	26	Z	1	1.2
	PE07.10Z25.025.04.M	25	25	220	75	26	Z	1	1.8
	PE07.10Z25.030.04.S	30	25	150	50	35	Z	1	2.4
	PE07.10Z25.030.04.M	30	25	230	50	35	Z	1	3.2
AP16	PE07.16Z32.032.04.S	32	32	150	50	39	Z	1	0.3
	PE07.16Z32.032.04.M	32	32	230	90	39	Z	1	0.5
	PE07.16Z32.035.04.S	35	32	150	50	39	Z	1	1.2
	PE07.16Z32.035.04.M	35	32	230	50	39	Z	1	1.8
	PE07.16Z32.040.04.S	40	32	160	50	39	Z	1	2.4
	PE07.16Z32.040.04.M	40	32	240	50	39	Z	1	3.2

Insert	Insert Screw	Wrench
APMT1035□□PDER	TL60 M2.5X6.5	T08
APMT1605□□PDER	TL60 M3.5X10	T15

PE08

90°



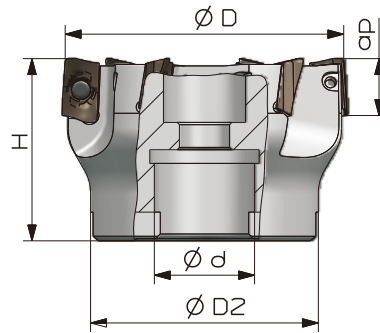
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	L	L1	ap			
AD08	PE08.08W16.016.02	16	16	90	34	8	W	2	0.1
	PE08.08W20.020.03	20	20	90	39	8	W	3	0.2
	PE08.08W25.025.04	25	25	100	43	8	W	4	0.3
	PE08.08W32.032.05	32	32	110	49	8	W	5	0.6
	PE08.08W32.040.06	40	32	110	40	8	W	6	0.7
	PE08.08Z16.016.02	16	16	180	34	8	Z	2	0.3
	PE08.08Z20.020.02	20	20	200	39	8	Z	2	0.5
	PE08.08Z25.025.03	25	25	200	43	8	Z	3	0.7
AD12	PE08.12W25.025.03	25	25	100	43	11.5	W	3	0.35
	PE08.12W32.032.04	32	32	110	49	11.5	W	4	0.6
	PE08.12W32.040.05	40	32	110	40	11.5	W	5	0.7
	PE08.12Z25.025.03	25	25	200	43	11.5	Z	3	0.7
	PE08.12Z32.032.04	32	32	250	49	11.5	Z	4	1.5
	PE08.12Z32.040.05	40	32	250	45	11.5	Z	5	1.6

Insert	Insert Screw	Wrench
		
ADMT080304R	TL60 M2.5X6.5	T08
ADMT120408R	TL60 M3X8	T10

PE08

90°



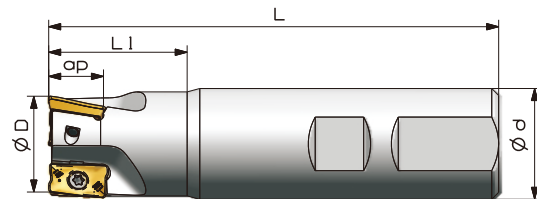
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	ØD2	H	ap			
AD08	PE08.08A16.040.06	40	16	35	40	8	A	6	0.2
	PE08.08A22.050.07	50	22	40	40	8	A	7	0.38
AD12	PE08.12A16.040.05	40	16	35	40	11.5	A	5	0.2
	PE08.12A22.050.06	50	22	40	40	11.5	A	6	0.3
	PE08.12A22.063.07	63	22	50	40	11.5	A	7	0.6
	PE08.12A27.080.08	80	27	60	50	11.5	A	8	1.1
AD16	PE08.16A16.040.04	40	16	35	40	15	A	4	0.2
	PE08.16A22.050.05	50	22	40	40	15	A	5	0.3
	PE08.16A22.063.06	63	22	50	40	15	A	6	0.6
	PE08.16A27.080.07	80	27	60	50	15	A	7	1.0
	PE08.16B32.100.08	100	32	70	50	15	B	8	1.6
	PE08.16B40.125.10	125	40	80	63	15	B	10	3.4
	PE08.16C40.160.12	160	40	100	63	15	C	12	4.3

Insert	Insert Screw	Wrench
 ADMT080304R	 TL60 M2.5X6.5	 T08
ADMT120408R	TL60 M3X8	T10
ADMT160608R	TL60 M4X10	T15

PE09

90°



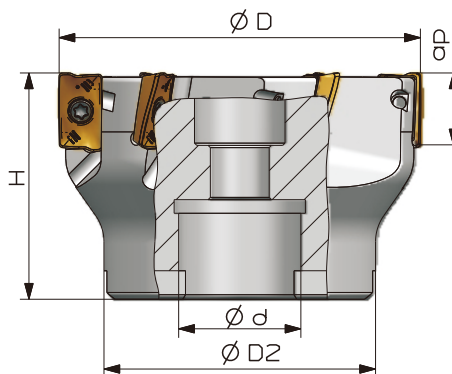
Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	L	L1	ap			
11	PE09.11Z16.016.02	16	16	100	20	10	Z	2	0.3
	PE09.11Z20.020.02	20	20	110	25	10	Z	2	0.4
	PE09.11Z25.025.03	25	25	120	32	10	Z	3	0.5
	PE09.11Z32.032.03	32	32	130	40	10	Z	3	0.8
	PE09.11Z32.040.04	40	32	170	40	10	Z	4	1.7
	PE09.11W16.016.02	16	16	73	25	10	W	2	0.3
	PE09.11W20.020.02	20	20	81	25	10	W	2	0.4
	PE09.11W25.025.03	25	25	88	32	10	W	3	0.5
	PE09.11W32.032.03	32	32	100	40	10	W	3	0.8
	PE09.11W32.040.04	40	32	110	40	10	W	4	1.7
17	PE09.17Z25.025.02	25	25	120	32	15.7	Z	2	0.4
	PE09.17Z32.032.03	32	32	130	40	15.7	Z	3	0.8
	PE09.17Z32.040.04	40	32	170	40	15.7	Z	4	0.9
	PE09.17W25.025.02	25	25	88	32	15.7	W	2	0.4
	PE09.17W32.032.03	32	32	100	40	15.7	W	3	0.8
	PE09.17W32.040.04	40	32	110	40	15.7	W	4	0.9

Insert	Insert Screw	Wrench
R390-11T3□□	TL60 M2.5X6.5	T08
R390-1704□□	TL60 M3.5X10	T15

INDEX MILLING

PE09

90°



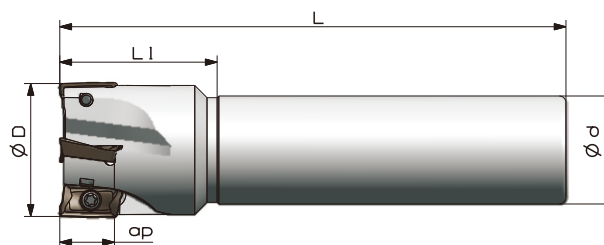
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	ØD ₂	H	ap			
11	PE09.11A16.040.04	40	16	35	40	10	A	4	0.4
	PE09.11A22.050.05	50	22	40	40	10	A	5	0.5
	PE09.11A22.063.06	63	22	50	40	10	A	6	0.6
	PE09.11A27.080.07	80	27	60	50	10	A	7	0.9
17	PE09.17A16.040.03	40	16	35	40	15.7	A	3	0.3
	PE09.17A22.050.04	50	22	40	40	15.7	A	4	0.4
	PE09.17A22.063.05	63	22	50	40	15.7	A	5	0.6
	PE09.17A27.080.06	80	27	60	50	15.7	A	6	0.8
	PE09.17B32.100.07	100	32	70	50	15.7	B	7	1.0
	PE09.17B40.125.08	125	40	80	63	15.7	B	8	2.7

Insert	Insert Screw	Wrench
R390-11T3□□	TL60 M2.5X6.5	T08
R390-1704□□	TL60 M3.5X10	T15

PE10

90°



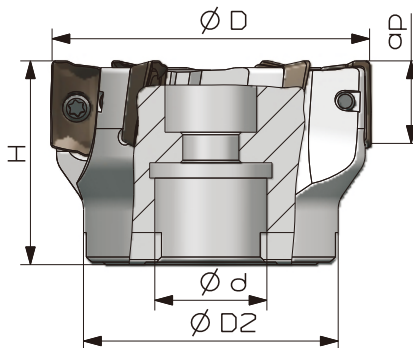
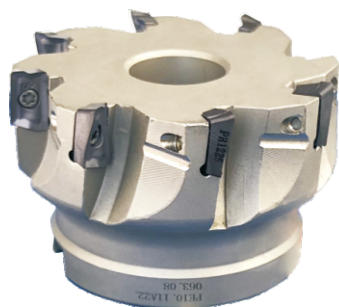
Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	L	L1	ap			
11	PE10.11Z16.016.02	16	16	100	30	10	Z	2	0.2
	PE10.11Z20.020.03	20	20	110	32	10	Z	3	0.3
	PE10.11Z25.025.03	25	25	120	32	10	Z	3	0.3
	PE10.11Z32.032.04	32	32	130	40	10	Z	4	0.4
17	PE10.17Z25.025.02	25	25	120	36	15.7	Z	2	0.3
	PE10.17Z32.032.03	32	32	130	40	15.7	Z	3	0.4
	PE10.17Z32.040.04	40	32	150	40	15.7	Z	4	0.5

INDEX MILLING

Insert	Insert Screw	Wrench
 BDMT11T3□□ER	 TL60 M2.5X6.5	 T08
BDMT1704□□ER	TL60 M4X10	T15

PE10

90°



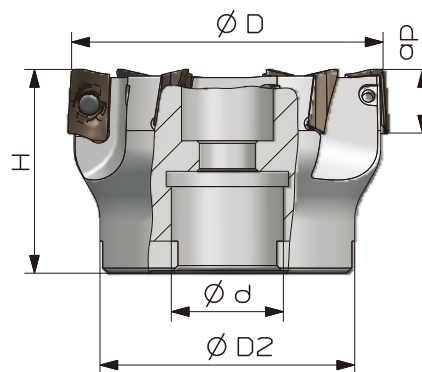
INDEX MILLING

Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	ØD2	H	ap			
11	PE10.11A22.050.07	50	22	40	40	10	A	7	0.5
	PE10.11A22.063.08	63	22	50	40	10	A	8	0.6
	PE10.11A27.080.10	80	27	60	50	10	A	10	0.9
17	PE10.17A22.050.05	50	22	40	40	15.7	A	5	0.4
	PE10.17A22.063.06	63	22	50	40	15.7	A	6	0.6
	PE10.17A27.080.08	80	27	60	50	15.7	A	8	0.8
	PE10.17B32.100.09	100	32	70	50	15.7	B	9	1.5

Insert	Insert Screw	Wrench
 BDMT11T3□□ER	 TL60 M2.5X6.5	 T08
 BDMT1704□□ER	 TL60 M4X10	 T15

PE11

90°



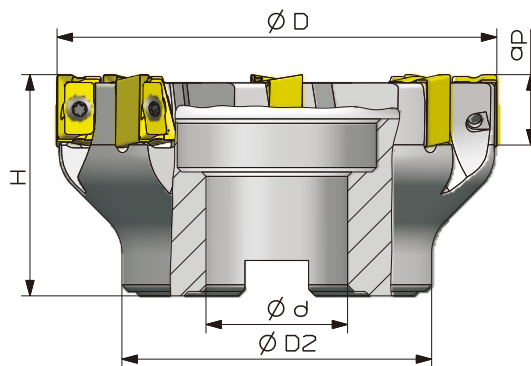
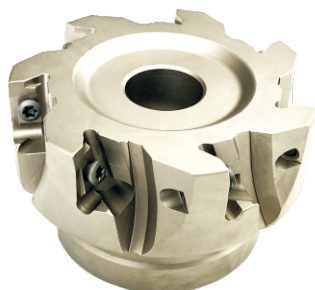
Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	ØD ₂	H	a _p			
AP10	PE11.10A16.040.05	40	16	35	40	8	A	5	0.2
	PE11.10A22.050.06	50	22	40	40	8	A	6	0.3
	PE11.10A22.063.07	63	22	50	40	8	A	7	0.6
	PE11.10A27.080.08	80	27	60	50	8	A	8	1.1
	PE11.10B32.100.10	100	32	70	50	8	B	10	1.6

INDEX MILLING

Insert 	Insert Screw 	Wrench 
APKT100304PDER	TL60 M2.5X6.5	T08

PE12

90°



INDEX MILLING

Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	Ød	ØD ₂	H	a _p			
PE12.15A22.050.04	50	22	40	40	14	A	4	0.4
PE12.15A22.063.06	63	22	50	40	14	A	6	0.6
PE12.15A27.080.07	80	27	60	50	14	A	7	1.2
PE12.15B32.100.8	100	32	70	50	14	B	8	2.4
PE12.15B40.125.10	125	40	80	63	14	B	10	3.8
PE12.15B40.160.12	160	40	100	63	14	B	12	4.6

Insert



LN□X151008PNR

Insert Screw



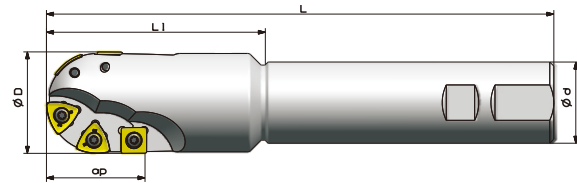
TL60 M4X10

Wrench







T15T

RB01

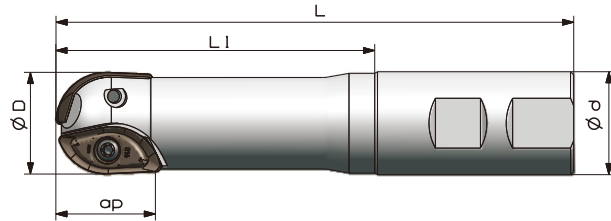


Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1	ap			
RB01.20W20.020.S	20	20	125	50	20	W	4	0.3
RB01.20W20.020.M	20	20	150	75	20	W	4	0.3
RB01.20W20.020.L	20	20	200	100	20	W	4	0.4
RB01.25W25.025.S	25	25	150	70	23	W	4	0.5
RB01.25W25.025.M	25	25	175	95	23	W	4	0.6
RB01.25W25.025.L	25	25	200	100	23	W	4	0.7
RB01.32W32.032.S	32	32	175	85	31	W	4	0.9
RB01.32W32.032.M	32	32	200	100	31	W	4	1.1
RB01.32W32.032.L	32	32	250	150	31	W	4	1.4
RB01.40W32.040.S	40	32	175	50	41	W	5	1.4
RB01.40W32.040.M	40	32	200	50	41	W	5	1.7
RB01.40W32.040.L	40	32	250	50	41	W	5	2.1

Insert	Insert	Insert Screw	Wrench
 ZDET08T2CYR10	 SPMT060304	 TL60 M2.5X5	 T08
ZDET1103CYR12.5	SPMT060304	TL60 M2.5X5	T08
ZDET13T3CYR16	SDMT090308	Tl60 M3.5X10	T15
ZPNT2204CYR20	SPMT120408	TL60 M5X13	T20

INDEX MILLING

RB02

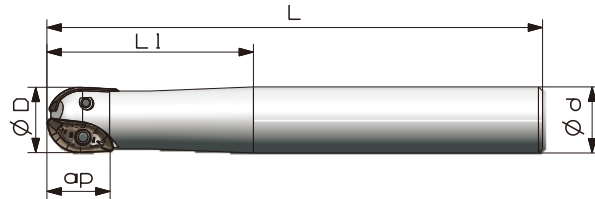


INDEX MILLING

Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1	ap			
RB02.16W20.016.S	16	20	111	60	16	W	2	0.2
RB02.20W25.020.S	20	25	127	70	20	W	2	0.3
RB02.20W25.020.M	20	25	150	80	20	W	2	0.4
RB02.25W25.025.S	25	25	137	80	25	W	2	0.4
RB02.25W25.025.M	25	25	200	100	25	W	2	0.6
RB02.30W32.030.S	30	32	161	100	30	W	2	0.8
RB02.30W32.030.M	30	32	250	150	30	W	2	1.3
RB02.32W32.032.S	32	32	161	100	32	W	2	0.8
RB02.32W32.032.M	32	32	250	120	32	W	2	1.3

Insert	Clamp	Insert Screw	Wrench
			
XPHT16R803		TL60 M2.5X6	T08
			
XPHT20R10T3		TL60M3.5X8	T15
			
XPHT25R1204		TL60 M4X10	T15
			
XPHT30R1506	WD208	TL60 M5X12	T20
			
XPHT32R1606	WD208	TL60 M5X12	T20

RB02

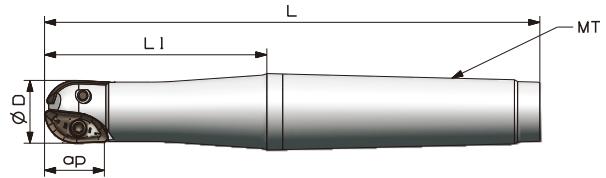


Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1	ap			
RB02.16Z20.016.S	16	20	150	70	16	Z	2	0.3
RB02.16Z20.016.M	16	20	180	80	16	Z	2	0.4
RB02.20Z25.020.S	20	25	180	80	20	Z	2	0.5
RB02.20Z25.020.M	20	25	200	100	20	Z	2	0.6
RB02.20Z25.020.L	20	25	250	150	20	Z	2	0.7
RB02.25Z25.025.S	25	25	180	80	25	Z	2	0.6
RB02.25Z25.025.M	25	25	200	100	25	Z	2	0.7
RB02.25Z25.025.L	25	25	250	110	25	Z	2	0.8
RB02.30Z32.030.S	30	32	200	120	30	Z	2	1.0
RB02.30Z32.030.M	30	32	250	150	30	Z	2	1.3
RB02.30Z32.030.L	30	32	300	200	30	Z	2	1.6
RB02.32Z32.032.S	32	32	200	120	32	Z	2	1.1
RB02.32Z32.032.M	32	32	250	150	32	Z	2	1.4
RB02.32Z32.032.L	32	32	300	200	32	Z	2	1.6

Insert	Clamp	Insert Screw	Wrench
			
XPHT16R803		TL60 M2.5X6	T08
XPHT20R10T3		TL60M3.5X8	T15
XPHT25R1204		TL60 M4X10	T15
XPHT30R1506	WD208	TL60 M5X12	T20
XPHT32R1606	WD208	TL60 M5X12	T20

INDEX MILLING

RB02

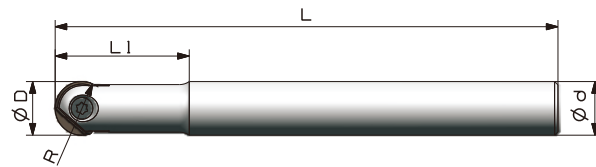


INDEX MILLING




Type	Dimension (mm)					Tooth	Weight (kg)
	ØD	MT	L	L1	ap		
RB02.20MT3.020.M	20	3	156	70	20	2	0.4
RB02.20MT3.020.L	20	3	186	100	20	2	0.4
RB02.25MT3.025.M	25	3	156	70	25	2	0.4
RB02.25MT3.025.L	25	3	186	100	25	2	0.4
RB02.30MT4.030.M	30	4	189	70	30	2	0.8
RB02.30MT4.030.L	30	4	229	120	30	2	1.0
RB02.32MT4.032.M	32	4	179	70	32	2	0.9
RB02.32MT4.032.L	32	4	209	100	32	2	0.9

Insert	Clamp	Insert Screw	Wrench
			
XPHT16R803		TL60 M2.5X6	T08
XPHT20R10T3		TL60M3.5X8	T15
XPHT25R1204		TL60 M4X10	T15
XPHT30R1506	WD208	TL60 M5X12	T20
XPHT32R1606	WD208	TL60 M5X12	T20

RB03

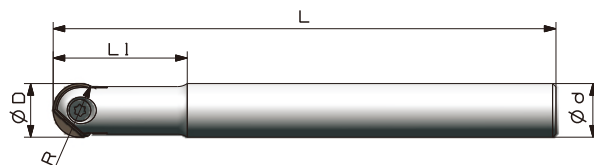


Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	L	L1	R			
ø 12	RB03.12Z12.012.M	12	12	125	35	6	Z	1	0.1
	RB03.12Z12.012.L	12	12	150	45	6	Z	1	0.1
	RB03.12Z16.012.M	12	16	125	50	6	Z	1	0.2
	RB03.12Z16.012.L	12	16	150	70	6	Z	1	0.2
ø 16	RB03.16Z16.016.M	16	16	150	40	8	Z	1	0.2
	RB03.16Z16.016.L	16	16	180	55	8	Z	1	0.3
	RB03.16Z20.016.M	16	20	150	60	8	Z	1	0.3
	RB03.16Z20.016.L	16	20	180	80	8	Z	1	0.3
ø 20	RB03.20Z20.020.M	20	20	180	65	10	Z	1	0.4
	RB03.20Z20.020.L	20	20	250	100	10	Z	1	0.6
	RB03.20Z25.020.M	20	25	180	75	10	Z	1	0.6
	RB03.20Z25.020.L	20	25	200	95	10	Z	1	0.8

Diameter	Insert 	Insert Screw 	Wrench 
ø 12	ZOHX1203	I70 M4X10TT	T15
ø 16	ZOHX1604	I70 M5X12TT	T20
ø 20	ZOHX2005	I70 M5X16TT	T20
ø 25	ZOHX2506	I70 M6X20TT	T20
ø 30	ZOHX3007	I70 M8X25TT	T30S
ø 32	ZOHX3207	I70 M8X25TT	T30S




INDEX MILLING

RB03

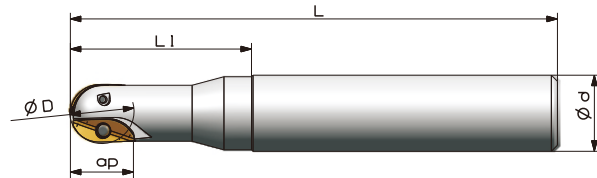
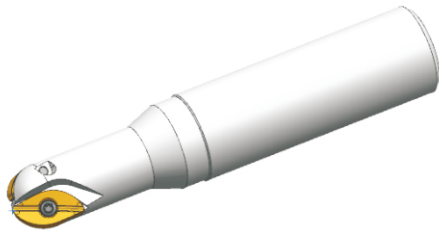


INDEX MILLING





Category	Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
		ØD	Ød	L	L1	R			
ø 25	RB03.25Z25.025.M	25	25	200	70	12.5	Z	1	0.7
	RB03.25Z25.025.L	25	25	250	100	12.5	Z	1	0.9
	RB03.25Z32.025.M	25	32	200	90	12.5	Z	1	1.0
	RB03.25Z32.025.L	25	32	250	110	12.5	Z	1	1.3
ø 30	RB03.30Z32.030.M	30	32	250	80	15	Z	1	1.2
	RB03.30Z32.030.L	30	32	300	110	15	Z	1	1.5
ø 32	RB03.32Z32.032.M	32	32	250	80	16	Z	1	1.4
	RB03.32Z32.032.L	32	32	300	110	16	Z	1	1.7

Diameter	Insert 	Insert Screw 	Wrench 
ø 12	ZOHX1203	I70 M4X10TT	T15
ø 16	ZOHX1604	I70 M5X12TT	T20
ø 20	ZOHX2005	I70 M5X16TT	T20
ø 25	ZOHX2506	I70 M6X20TT	T20
ø 30	ZOHX3007	I70 M8X25TT	T30S
ø 32	ZOHX3207	I70 M8X25TT	T30S

RB04

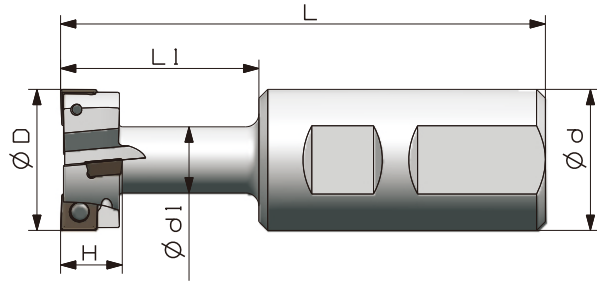


Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1	ap			
RB04.20Z25.020.S	20	25	140	60	20	Z	2	0.3
RB04.20Z25.020.M	20	25	200	60	20	Z	2	0.5
RB04.20Z25.020.L	20	25	250	80	20	Z	2	0.7
RB04.25Z32.025.S	25	32	150	70	23	Z	2	0.6
RB04.25Z32.025.M	25	32	220	75	23	Z	2	0.8
RB04.25Z32.025.L	25	32	300	100	23	Z	2	1.0
RB04.30Z32.030.S	30	32	160	80	28	Z	2	0.9
RB04.30Z32.030.M	30	32	240	85	28	Z	2	1.2
RB04.30Z32.030.L	30	32	350	120	28	Z	2	1.8

Insert	Insert	Insert Screw	Wrench
 ZNMT1804100-C	 ZNMT2004100-S	 TL60 M3X7	 T10
ZNMT2205125-C	ZNMT2305125-S	TL60 M4X10	T15
ZNMT2706150-C	ZNMT2806150-S	TL60 M4X10/TL60M5X12	T15/T20

INDEX MILLING

PT01

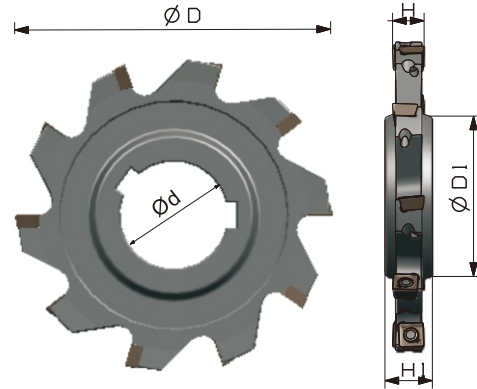
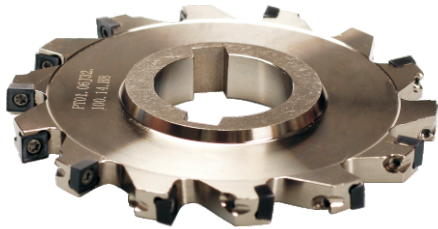


INDEX MILLING

Type	Dimension (mm)						Tooth	Weight (kg)
	ØD	Ød	Ød1	L	L1	H		
PT01.06W25.021.01.H9	21	25	10	100	32	9	1	0.2
PT01.06W25.025.01.H11	25	25	12	100	35	11	1	0.3
PT01.08W32.032.02.H14	32	32	15	110	45	14	2	0.5
PT01.12W32.040.02.H18	40	32	19	125	55	18	2	0.7
PT01.12W40.050.02.H22	50	40	25	140	65	22	2	1.2

Insert	Insert Screw	Wrench
 MPHT060304-DM	 TL60M2.5X6.5	 T08
MPHT080305-DM	TL60M3X7	T10
MPHT120408-DM	TL60M5X11	T20

PT01

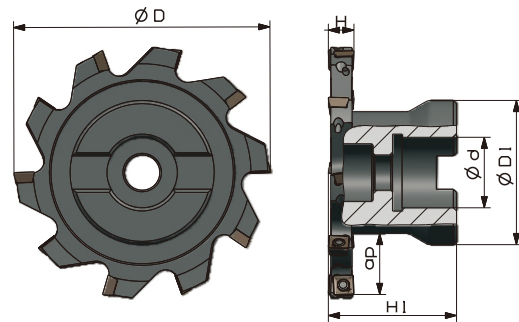


Category	Type	Dimension (mm)					Tooth	Weight (kg)
		ØD	ØD1	Ød	H1	H		
MP06	PT01.06J27.080.10.H8	80	41	27	12	8	10	0.2
	PT01.06J32.100.14.H8	100	47	32	12	8	14	0.3
	PT01.06J32.100.14.H10	100	47	32	14	10	14	0.4
	PT01.06J40.125.16.H10	125	55	40	14	10	16	0.6
MP08	PT01.08J40.125.12.H12	125	55	40	16	12	12	0.7
	PT01.08J40.160.14.H12	160	62	40	16	12	14	1.3
MP12	PT01.12J40.160.12.H16	160	62	40	20	16	12	1.6
	PT01.12J40.160.12.H18	160	62	40	24	18	12	1.9
	PT01.12J40.160.12.H20	160	62	40	26	20	12	2.1
	PT01.12J50.200.14.H16	200	72	50	20	16	14	2.5
	PT01.12J50.200.14.H18	200	72	50	24	18	14	2.9
	PT01.12J50.200.14.H20	200	72	50	26	20	14	3.3

Insert	Insert Screw	Wrench
 MPHT060304-DM	 TL60 M2.5X6.5	 T08T
MPHT080305-DM	TL60M3X7	T10T
MPHT120408-DM	TL60 M5X11	T20T

INDEX MILLING

PT01

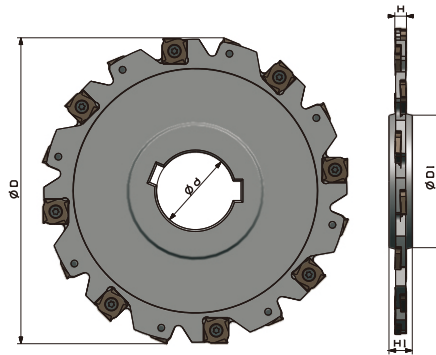
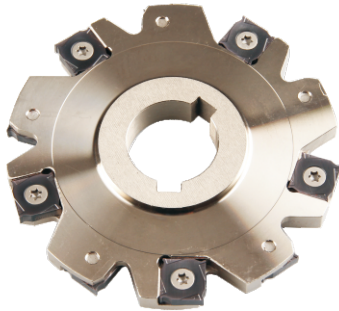


INDEX MILLING




Category	Type	Dimension (mm)						Tooth	Adapter	Weight (kg)
		ØD	ØD1	Ød	H1	H	ap			
MP06	PT01.06A22.080.10.H8	80	45	22	40	8	21	10	A	0.4
	PT01.06B27.100.14.H8	100	55	27	40	8	24	14	B	0.6
	PT01.06B27.100.14.H10	100	55	27	40	10	24	14	B	0.7
	PT01.06B32.125.16.H10	125	65	32	45	10	33	16	B	1.1
MP08	PT01.08B32.125.12.H12	125	65	32	45	12	33	12	B	1.4
	PT01.08B40.160.14.H12	160	80	40	45	12	45	14	B	1.9
	PT01.08C40.200.18.H12	200	92	40	50	12	53	18	C	3.2
MP12	PT01.12B32.125.10.H16	125	65	32	50	16	30	10	B	2.3
	PT01.12B40.160.12.H16	160	80	40	60	16	45	12	B	2.3
	PT01.12B40.160.12.H18	160	80	40	60	18	45	12	B	2.4
	PT01.12C40.200.14.H16	200	92	40	50	16	53	14	C	2.6
	PT01.12C40.200.14.H18	200	92	40	50	18	53	14	C	3.9
	PT01.12C40.200.14.H20	200	92	40	50	20	53	14	C	4.2

Insert	Insert Screw	Wrench
 MPHT060304-DM	 TL60 M2.5X6.5	 T08T
MPHT080305-DM	TL60M3X7	T10T
MPHT120408-DM	TL60 M5X11	T20T

PT02

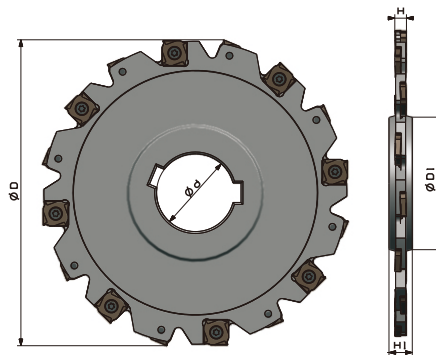
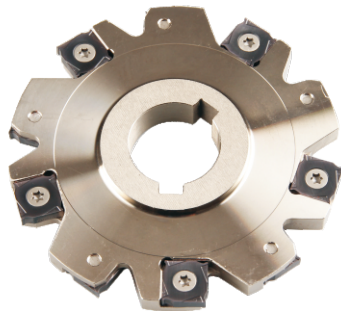


Category	Type	Dimension (mm)					Tooth	Weight (kg)
		ØD	ØD1	Ød	H1	H		
02	PT02.12J27.100.10.H4	100	40.7	27	12	4	10	0.2
	PT02.12J40.125.12.H4	125	50.5	40	12	4	12	0.3
	PT02.12J40.160.16.H4	160	66.7	40	12	4	16	0.5
03	PT02.12J27.100.10.H5	100	45	27	12	5	10	0.2
	PT02.12J40.125.12.H5	125	58	40	12	5	12	0.3
	PT02.12J40.160.16.H5	160	68	40	12	5	16	0.6
T3	PT02.12J27.100.10.H6	100	45	27	12	6	10	0.3
	PT02.12J40.125.12.H6	125	58	40	12	6	12	0.4
	PT02.12J40.160.16.H6	160	68	40	12	6	16	0.7
	PT02.12J50.200.18.H6	200	72	50	12	6	18	1.1
	PT02.12J50.250.24.H6	250	72	50	12	6	24	1.7

Insert	Insert Screw	Wrench
 XSEQ1202	 I91M4X3.2X	 T09T
XSEQ1203	I91M4X4.2X	T15T
XSEQ12T3	I91M4X5.1X	T15T
XSEQ1204	I91M4X6.3X	T15T
XSEQ12T4	I91M4X6.3X	T15T




INDEX MILLING

PT02

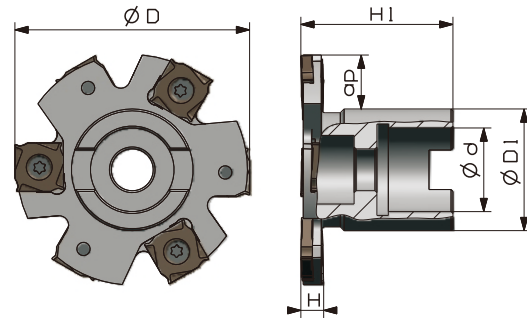


INDEX MILLING




Category	Type	Dimension (mm)					Tooth	Weight (kg)
		ØD	ØD1	Ød	H1	H		
04	PT02.12J27.100.10.H7	100	45	27	12	7	10	0.3
	PT02.12J40.125.12.H7	125	58	40	12	7	12	0.4
	PT02.12J40.160.16.H7	160	68	40	12	7	16	0.8
	PT02.12J50.200.18.H7	200	72	50	12	7	18	1.2
	PT02.12J50.250.24.H7	250	72	50	12	7	24	1.9
T4	PT02.12J27.100.10.H8	100	45	27	12	8	10	0.3
	PT02.12J40.125.12.H8	125	58	40	12	8	12	0.5
	PT02.12J40.160.16.H8	160	68	40	12	8	16	0.9
	PT02.12J50.200.18.H8	200	72	50	12	8	18	1.4
	PT02.12J50.250.24.H8	250	72	50	12	8	24	2.2

Insert	Insert Screw	Wrench
 XSEQ1202	 I91M4X3.2X	 T09T
XSEQ1203	I91M4X4.2X	T15T
XSEQ12T3	I91M4X5.1X	T15T
XSEQ1204	I91M4X6.3X	T15T
XSEQ12T4	I91M4X6.3X	T15T

PT02

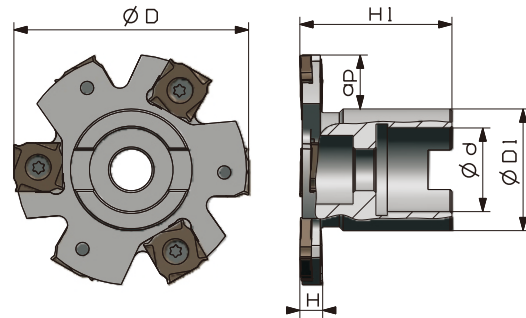


Category	Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
		ØD	ØD1	Ød	H1	H	ap			
02	PT02.12A22.063.06.H4	63	32	22	40	4	14	A	6	0.2
	PT02.12A22.080.08.H4	80	40	22	50	4	18	A	8	0.4
	PT02.12A27.100.10.H4	100	48	27	50	4	23	A	10	0.6
03	PT02.12A22.063.06.H5	63	32	22	40	5	14	A	6	0.2
	PT02.12A22.080.08.H5	80	40	22	50	5	18	A	8	0.4
	PT02.12A27.100.10.H5	100	48	27	50	5	23	A	10	0.7
T3	PT02.12A22.063.06.H6	63	32	22	40	6	14	A	6	0.2
	PT02.12A22.080.08.H6	80	40	22	50	6	18	A	8	0.4
	PT02.12A27.100.10.H6	100	48	27	50	6	23	A	10	0.7
	PT02.12B40.125.12.H6	125	70	40	50	6	30	B	12	1.0
	PT02.12B40.160.16.H6	160	70	40	50	6	41	B	16	1.3

Insert	Insert Screw	Wrench
 XSEQ1202	 I91M4X3.2X	 T09T
XSEQ1203	I91M4X4.2X	T15T
XSEQ12T3	I91M4X5.1X	T15T
XSEQ1204	I91M4X6.3X	T15T
XSEQ12T4	I91M4X6.3X	T15T




INDEX MILLING

PT02



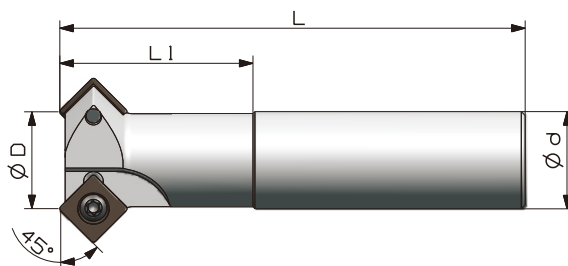
INDEX MILLING

Category	Type	Dimension (mm)						Adapter	Tooth	Weight (kg)
		ØD	ØD1	Ød	H1	H	ap			
04	PT02.12A22.063.06.H7	63	32	22	40	7	14	A	6	0.2
	PT02.12A22.080.08.H7	80	40	22	50	7	18	A	8	0.5
	PT02.12A27.100.10.H7	100	48	27	50	7	23	A	10	0.7
	PT02.12B40.125.12.H7	125	70	40	50	7	27	B	12	1.1
	PT02.12B40.160.16.H7	160	70	40	50	7	41	B	16	1.4
T4	PT02.12A22.063.06.H8	63	32	22	40	8	14	A	6	0.2
	PT02.12A22.080.08.H8	80	40	22	50	8	18	A	8	0.5
	PT02.12A27.100.10.H8	100	48	27	50	8	23	A	10	0.8
	PT02.12B40.125.12.H8	125	70	40	50	8	27	B	12	1.1
	PT02.12B40.160.16.H8	160	70	40	50	8	41	B	16	1.5

Insert	Insert Screw	Wrench
 XSEQ1202	 I91M4X3.2X	 T09T
XSEQ1203	I91M4X4.2X	T15T
XSEQ12T3	I91M4X5.1X	T15T
XSEQ1204	I91M4X6.3X	T15T
XSEQ12T4	I91M4X6.3X	T15T

AC01

45°



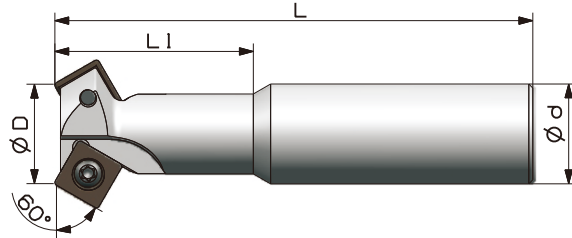
Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1			
AC01.12Z20.012.01	12	20	100	40	Z	1	0.2
AC01.12W20.012.01	12	20	100	40	W	1	0.2
AC01.12Z25.025.02	25	25	120	40	Z	2	0.4
AC01.12W25.025.02	25	25	120	40	W	2	0.4
AC01.12Z32.032.03	32	32	180	50	Z	3	1.0
AC01.12W32.032.03	32	32	180	50	W	3	1.0

INDEX MILLING

Insert 	Insert Screw 	Wrench 
SPMT120408	TL60 M5X12	T20

DC01

60°



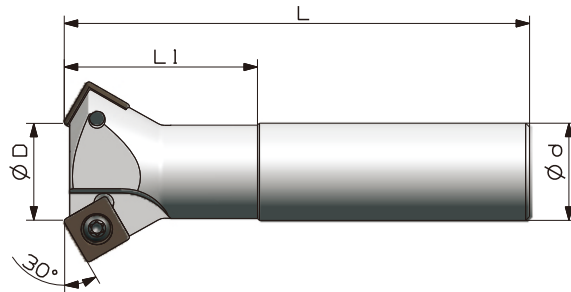
INDEX MILLING

Type	(mm) Dimension				Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1			
DC01.12Z20.012.01	12	20	100	40	Z	1	0.2
DC01.12W20.012.01	12	20	100	40	W	1	0.2
DC01.12Z25.025.02	25	25	120	40	Z	2	0.4
DC01.12W25.025.02	25	25	120	40	W	2	0.4
DC01.12Z32.032.02	32	32	180	50	Z	2	1.0
DC01.12W32.032.02	32	32	180	50	W	2	1.0

 Insert SPMT120408	 Insert Screw TL60 M5X12	 Wrench T20
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ZC01

30°

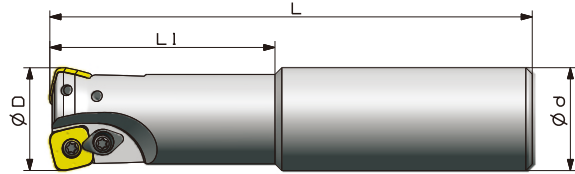


Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1			
ZC01.12Z20.012.01	12	20	100	40	Z	1	0.2
ZC01.12W20.012.01	12	20	100	40	W	1	0.2
ZC01.12Z25.025.02	25	25	120	40	Z	2	0.4
ZC01.12W25.025.02	25	25	120	40	W	2	0.4
ZC01.12Z32.032.03	32	32	180	50	Z	3	1.0
ZC01.12W32.032.03	32	32	180	50	W	3	1.0

 Insert SPMT120408	 Insert Screw TL60 M5X12	 Wrench T20
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INDEX MILLING

XK01

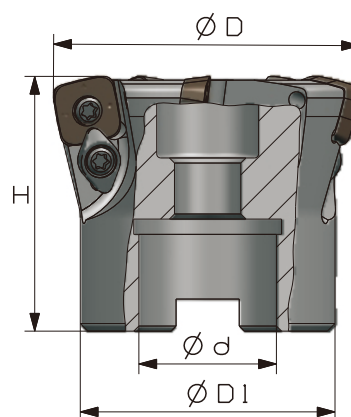


INDEX MILLING

Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1			
XK01.09Z25.025.02	25	25	140	60	Z	2	0.5
XK01.09Z32.032.03	32	32	150	70	Z	3	0.8
XK01.09Z32.035.03	35	32	150	50	Z	3	0.8
XK01.12Z32.032.02	32	32	150	70	Z	2	0.8
XK01.12Z32.040.03	40	32	150	50	Z	3	1.3

Insert	Insert Screw	Clamping Screw	Clamp	Wrench
				
SDMT09T3-DM	TL60 M3.5X8	L60 M4X10	WD204	T10/T15
SDMT1204-DM	TL60 M4X10			T15

XK01

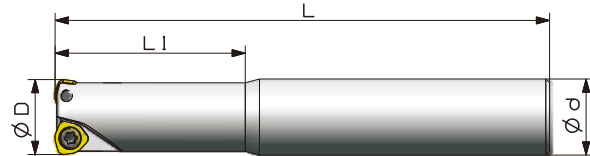


Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
	ØD	ØD1	Ød	H			
XK01.09A22.050.04	50	40	22	40	A	4	0.3
XK01.09A22.063.06	63	50	22	50	A	6	0.5
XK01.09A27.063.06	63	50	27	50	A	6	0.6
XK01.12A22.063.05	63	50	22	50	A	5	0.5
XK01.12A27.063.05	63	50	27	50	A	5	0.6
XK01.12A27.080.05	80	60	27	50	A	5	0.9
XK01.12B32.100.06	100	70	32	50	B	6	1.8

Insert	Insert Screw	Clamping Screw	Clamp	Wrench
SDMT09T3-DM	TL60 M3.5X8	L60 M4X10	WD204	T10T/T15T
SDMT1204-DM	TL60 M4X10			T15T

INDEX MILLING

XK02

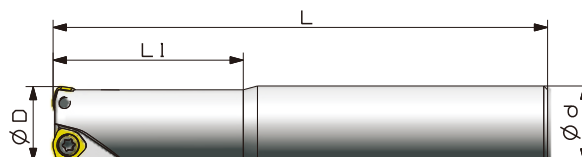


INDEX MILLING

Category	Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
		ØD	Ød	L	L1			
WP05	XK02.05Z20.020.02.S	20	20	130	50	Z	2	0.2
	XK02.05Z20.020.02.M	20	20	180	100	Z	2	0.3
	XK02.05Z20.020.02.L	20	20	250	130	Z	2	0.8
WP06	XK02.06Z25.025.02.S	25	25	140	60	Z	2	0.4
	XK02.06Z25.025.02.M	25	25	200	120	Z	2	0.6
	XK02.06Z25.025.02.L	25	25	300	180	Z	2	1.0
	XK02.06Z32.032.03.S	32	32	150	70	Z	3	0.8
	XK02.06Z32.032.03.M	32	32	200	120	Z	3	1.0
	XK02.06Z32.032.03.L	32	32	300	180	Z	3	1.6
	XK02.06Z32.040.03.S	40	32	150	50	Z	3	0.9






Insert	Insert Screw	Clamping Screw	Clamp	Wrench
WPGT050315ZSR	TL60 M3.5X8			T10
WPGT060415ZSR	TL60M4X10			T15
WPGT080615ZSR		L60 M5X12	WD208	T20
WPGT090725ZSR	TL60 M4X10			

XK02

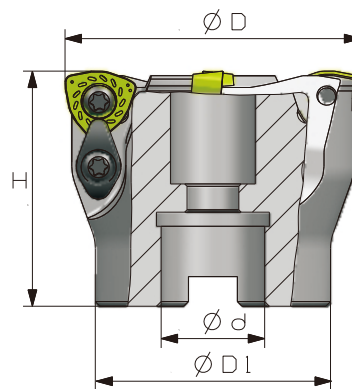


Category	Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
		ØD	Ød	L	L1			
WP06	XK02.06Z32.040.03.M	40	32	200	50	Z	3	1.5
	XK02.06Z32.040.03.L	40	32	300	50	Z	3	1.8
WP08	XK02.08Z32.040.02.S	40	32	150	50	Z	2	0.9
	XK02.08Z32.040.02.M	40	32	200	50	Z	2	1.5
	XK02.08Z32.040.02.L	40	32	300	50	Z	2	1.9
WP09	XK02.09Z32.050.02.S	50	32	150	50	Z	2	1.9
	XK02.09Z32.050.02.M	50	32	200	50	Z	2	2.5

INDEX MILLING


Insert	Insert Screw	Clamping Screw	Clamp	Wrench
				
WPGT050315ZSR	TL60 M3.5X8			T10
WPGT060415ZSR	TL60M4X10			T15
WPGT080615ZSR	TL60 M4X10	L60 M5X12	WD208	T20
WPGT090725ZSR				

XK02

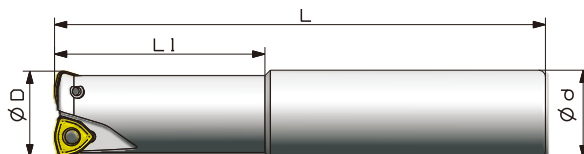


INDEX MILLING

Category	Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
		ØD	ØD1	Ød	H			
WP06	XK02.06A22.050.04	50	40	22	50	A	4	0.4
WP08	XK02.08A22.050.03	50	40	22	50	A	3	0.4
	XK02.08A22.063.04	63	50	22	50	A	4	0.7
	XK02.08A27.063.04	63	50	27	50	A	4	0.7
	XK02.08A27.080.05	80	60	27	50	A	5	1.5
	XK02.08B32.100.06	100	70	32	63	B	6	2.2
	XK02.08B40.125.07	125	80	40	63	B	7	3.5
	XK02.08B40.160.08	160	100	40	63	B	8	6.0
WP09	XK02.09A22.063.03	63	50	22	50	A	3	0.7
	XK02.09A27.080.04	80	60	27	63	A	4	1.4
	XK02.09B32.100.05	100	70	32	63	B	5	2.1
	XK02.09B40.125.06	125	80	40	63	B	6	3.7
	XK02.09B40.160.07	160	100	40	63	B	7	6.3

Insert	Insert Screw	Clamping Screw	Clamp	Wrench
				
WPGT060415ZSR	TL60 M4X10			T15T
WPGT080615ZSR	TL60 M5X12	TL60 M5X12	WD208	T20T
WPGT090725ZSR				

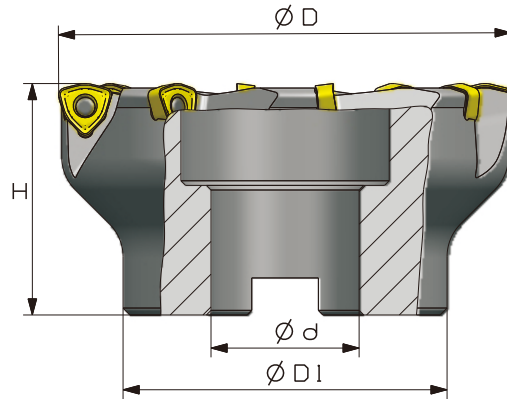
XK03



Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1			
XK03.09Z25.025.02.S	25	25	140	60	Z	2	0.5
XK03.09Z25.025.02.M	25	25	200	120	Z	2	0.6
XK03.09Z25.025.02.L	25	25	300	180	Z	2	1.0
XK03.09Z32.032.03.S	32	32	150	70	Z	3	0.8
XK03.09Z32.032.03.M	32	32	200	120	Z	3	1.1
XK03.09Z32.032.03.L	32	32	300	180	Z	3	1.7
XK03.09Z32.040.04.S	40	32	150	50	Z	4	0.9
XK03.09Z32.040.04.M	40	32	200	50	Z	4	1.3
XK03.09Z32.040.04.L	40	32	300	50	Z	4	1.8

Insert 	Insert Screw 	Wrench 
WNNMX09T316ZNN-MM	TL60 M3X7	T10

XK03



INDEX MILLING

Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
	ØD	ØD1	Ød	H			
XK03.09A16.040.04	40	35	16	40	A	4	0.2
XK03.09A22.050.05	50	40	22	40	A	5	0.3
XK03.09A22.063.06	63	50	22	40	A	6	0.5
XK03.09A27.080.07	80	60	27	50	A	7	1.1
XK03.09B32.100.08	100	70	32	50	B	8	1.7

Insert



WNMX09T316ZNN-MM

Insert Screw



TL60 M3X7

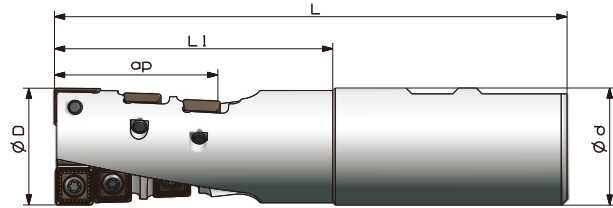
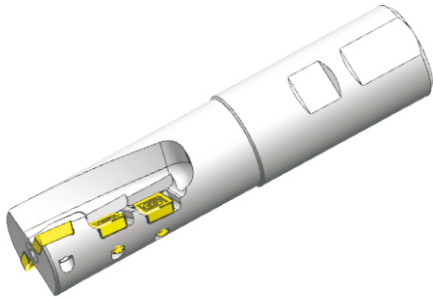
Wrench



T10T

PH01

90°



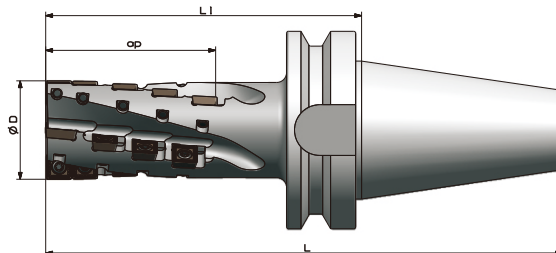
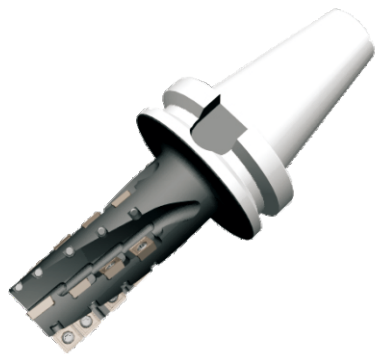
Type	Dimension (mm)					Adapter	Tooth	Weight (kg)
	ØD	Ød	L	L1	ap			
PH01.12W40.040.02.E55	40	40	175	95	55	W	02	1.2
PH01.12W40.050.04.E55	50	40	175	95	55	W	04	1.5

INDEX MILLING

Insert 	Side Cutting Insert 	Insert Screw 	Wrench 
APKT150412	SPMT120408	TL60 M5X12	T20

PH01

90°

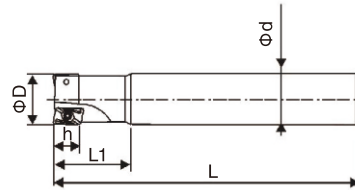


INDEX MILLING

Category	Type	Dimension (mm)				Adapter	Tooth	Weight (kg)
		ØD	L	L1	ap			
JT50	PH01.12JT50.050.04.084	50	246.75	145	84	JT50	4	4.8
	PH01.12JT50.063.04.074	63	236.75	135	74	JT50	4	5.5
	PH01.12JT50.063.04.104	63	266.75	165	104	JT50	4	6.0
	PH01.12JT50.063.04.134	63	296.75	195	134	JT50	4	6.3
	PH01.12JT50.080.04.104	80	266.75	165	104	JT50	4	7.0
	PH01.12JT50.080.04.144	80	306.75	205	144	JT50	4	7.2
BT50	PH01.12BT50.050.04.084	50	246.75	145	84	BT50	4	4.8
	PH01.12BT50.063.04.074	63	236.75	135	74	BT50	4	5.5
	PH01.12BT50.063.04.104	63	266.75	165	104	BT50	4	6.0
	PH01.12BT50.063.04.134	63	296.75	195	134	BT50	4	6.3
	PH01.12BT50.080.04.104	80	266.75	165	104	BT50	4	7.0
	PH01.12BT50.080.04.144	80	306.75	205	144	BT50	4	7.2

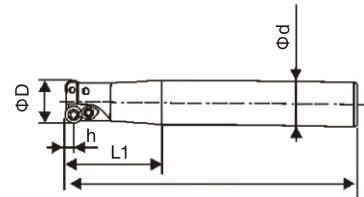
<p>End Side Insert</p>  <p>APKT150412</p>	<p>Side Cutting Insert</p>  <p>SPMT120408</p>	<p>Insert Screw</p>  <p>TL60 M5X12</p>	<p>Wrench</p>  <p>T20T</p>
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BAP right angel shouder end mill



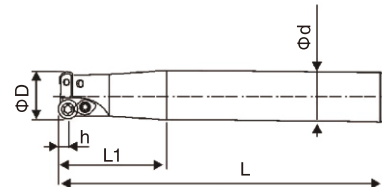
Stocked Letms	Cat.No	Size						Applicable inserts	Teeth	Screw	Pressure plate
		ϕD	ϕd	L	L1	L2	h				
BAP300R-10-130-C10-1T		10	10	130	30	-	9	APMT1135PDER	1	T08	M2.5X5
BAP300R-11-130-C10-1T		11	10	130	30	-	9	APMT1135PDER	1	T08	M2.5X5
BAP300R-12-130-C12-1T		12	12	130	30	-	9	APMT1135PDER	1	T08	M2.5X5
BAP300R-13-130-C12-1T		13	12	130	30	-	9	APMT1135PDER	1	T08	M2.5X5
BAP300R-16-130-C16-2T		16	16	130	40	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-16-160-C16-2T		16	16	160	40	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-16-200-C16-2T		16	16	200	40	100	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-17-160-C16-2T		17	16	160	40	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-17-200-C16-2T		17	16	200	40	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-20-130-C20-2T		20	20	130	40	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-20-160-C20-2T		20	20	160	50	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-20-200-C20-2T		20	20	200	50	100	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-21-160-C20-2T		21	20	160	50	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-21-200-C20-2T		21	20	200	50	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-25-160-C25-2T		25	25	160	50	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-25-200-C25-2T		25	25	200	50	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-26-160-C25-2T		26	25	160	50	-	9	APMT1135PDER	2	T08	M2.5X5
BAP300R-26-200-C25-2T		26	25	200	50	-	9	APMT1135PDER	2	T08	M2.5X5
BAP400R											
BAP400R-25-160-C25-2T		25	25	160	50	-	14	APMT1604PDER	2	T15	M4X8
BAP400R-25-200-C25-2T		25	25	200	75	-	14	APMT1604PDER	2	T15	M4X8
BAP400R-25-250-C25-2T		25	25	250	50	-	14	APMT1604PDER	2	T15	M4X8
BAP400R-26-160-C25-2T		26	25	160	40	-	14	APMT1604PDER	2	T15	M4X8
BAP400R-26-200-C25-2T		26	25	200	50	-	14	APMT1604PDER	2	T15	M4X8
BAP400R-26-250-C25-2T		26	25	250	50	-	14	APMT1604PDER	2	T15	M4X8
BAP400R-32-160-C25-2T		32	25	160	50	-	14	APMT1604PDER	2	T15	M4x8
BAP400R-32-200-C25-2T		32	25	200	50	-	14	APMT1604PDER	2	T15	M4x8
BAP400R-32-160-C32-3T		32	32	160	50	-	14	APMT1604PDER	3	T15	M4x8
BAP400R-32-200-C32-3T		32	32	200	80	-	14	APMT1604PDER	3	T15	M4x8
BAP400R-32-250-C32-3T		32	32	250	60	115	14	APMT1604PDER	3	T15	M4x8
BAP400R-32-300-C32-3T		32	32	300	60	165	14	APMT1604PDER	3	T15	M4x8
BAP400R-35-160-C32-3T		35	32	160	50	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-35-200-C32-3T		35	32	200	60	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-35-250-C32-3T		35	32	250	60	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-35-300-C32-3T		35	32	300	60	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-35-350-C32-3T		35	32	350	60	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-35-400-C32-3T		35	32	400	60	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-40-200-C32-3T		40	32	200	60	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-40-250-C32-3T		40	32	250	60	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-40-300-C32-3T		40	32	300	60	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-40-350-C32-3T		40	32	350	60	-	14	APMT1604PDER	3	T15	M4X8
BAP400R-40-400-C32-3T		40	32	400	60	-	14	APMT1604PDER	3	T15	M4X8

EMR round dowel end mill



Cat.No	Size						Applicable inserts	Teeth	Wrench	Screw	Pressure plate
	Stocked Letms	φD	φd	L	L1	L2					
EMR-4R-12-130-C12-1T	12	12	130	40	-	4	RPMW0802 M0	1	T10	M3X7	-
EMR-4R-13-130-C12-1T	13	12	130	40	-	4	RPMW0802 M0	1	T10	M3X7	-
EMR-4R-16-130-C16-2T	16	16	130	40	-	4	RPMW0802 M0	2	T10	M3X7	WD-202
EMR-4R-16-160-C16-2T	16	16	160	40	-	4	RPMW0802 M0	2	T10	M3X7	WD-202
EMR-4R-16-200-C16-2T	16	16	200	40	100	4	RPMW0802 M0	2	T10	M3X7	WD-202
EMR-4R-17-160-C16-2T	17	16	160	40	-	4	RPMW0802 M0	2	T10	M3X7	WD-202
EMR-4R-17-200-C16-2T	17	16	200	50	-	4	RPMW0802 M0	2	T10	M3X7	WD-202
EMR-4R-20-160-C20-2T	20	20	160	50	-	4	RPMW0802 M0	2	T10	M3X7	WD-202
EMR-4R-20-200-C20-2T	20	20	200	50	100	4	RPMW0802 M0	2	T10	M3X7	WD-202
EMR-4R-21-160-C20-2T	21	20	160	50	-	4	RPMW0802 M0	2	T10	M3X7	WD-202
EMR-4R-21-200-C20-2T	21	20	200	50	-	4	RPMW0802 M0	2	T10	M3X7	WD-202
EMR-5R-20-160-C20-2T	20	20	160	50	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-20-200-C20-2T	20	20	200	50	100	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-21-160-C20-2T	21	20	160	50	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-21-200-C20-2T	21	20	200	50	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-25-160-C20-2T	25	20	160	50	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-25-160-C25-2T	25	25	160	50	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-25-200-C25-2T	25	25	200	75	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-25-250-C25-2T	25	25	250	60	115	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-30-160-C25-2T	30	25	160	50	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-30-200-C25-2T	30	25	200	50	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-30-250-C25-2T	30	25	250	60	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-30-300-C25-2T	30	25	300	60	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-35-160-C32-2T	35	32	160	50	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-35-200-C32-2T	35	32	200	50	-	5	RPMW1003 M0	2	T15	M4X10	WD-204
EMR-5R-35-160-C32-3T	35	32	160	50	-	5	RPMW1003 M0	3	T15	M4X10	WD-204
EMR-5R-35-200-C32-3T	35	32	200	50	-	5	RPMW1003 M0	3	T15	M4X10	WD-204
EMR-5R-35-250-C32-3T	35	32	250	60	-	5	RPMW1003 M0	3	T15	M4X10	WD-204
EMR-5R-35-300-C32-3T	35	32	300	60	-	5	RPMW1003 M0	3	T15	M4X10	WD-204
EMR-5R-35-350-C32-3T	35	32	350	60	-	5	RPMW1003 M0	3	T15	M4X10	WD-204
EMR-5R-35-400-C32-3T	35	32	400	60	-	5	RPMW1003 M0	3	T15	M4X10	WD-204
EMR-5R-40-200-C32-4T	40	32	200	50	-	5	RPMW1003 M0	4	T15	M4X10	WD-204
EMR-5R-40-250-C32-4T	40	32	250	60	-	5	RPMW1003 M0	4	T15	M4X10	WD-204
EMR-5R-40-300-C32-4T	40	32	300	60	-	5	RPMW1003 M0	4	T15	M4X10	WD-204
EMR-5R-40-350-C32-4T	40	32	350	60	-	5	RPMW1003 M0	4	T15	M4X10	WD-204

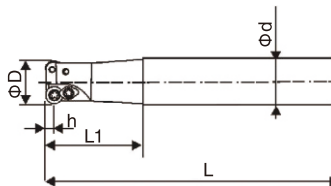
EMRW round dowel end mill



Stocked Letms	Cat.No	Size					Applicable inserts	Teeth	Wrench	Screw	Pressure plate	
		φD	φd	L	L1	L2						h
EMRW-6R-32-160-C25-2T		32	25	160	50	-	6	RPMW/T1204 MO	2	T15	M4X10	WD-204
EMRW-6R-32-200-C25-2T		32	25	200	50	-	6	RPMW/T1204 MO	2	T15	M4X10	WD-204
EMRW-6R-32-250-C25-2T		32	25	250	60	-	6	RPMW/T1204 MO	2	T15	M4X10	WD-204
EMRW-6R-35-160-C32-3T		35	32	160	50	-	6	RPMW/T1204 MO	3	T15	M4X10	WD-204
EMRW-6R-35-200-C32-3T		35	32	200	50	-	6	RPMW/T1204 MO	3	T15	M4X10	WD-204
EMRW-6R-35-250-C32-3T		35	32	250	60	-	6	RPMW/T1204 MO	3	T15	M4X10	WD-204
EMRW-6R-35-300-C32-3T		35	32	300	60	-	6	RPMW/T1204 MO	3	T15	M4X10	WD-204
EMRW-6R-35-350-C32-3T		35	32	350	60	-	6	RPMW/T1204 MO	3	T15	M4X10	WD-204
EMRW-6R-40-200-C32-3T		40	32	200	50	-	6	RPMW/T1204 MO	3	T15	M4X10	WD-204
EMRW-6R-40-250-C32-3T		40	32	250	60	-	6	RPMW/T1204 MO	3	T15	M4X10	WD-204
EMRW-6R-40-300-C32-3T		40	32	300	60	-	6	RPMW/T1204 MO	3	T15	M4X10	WD-204
EMRW-6R-40-350-C32-3T		40	32	350	60	-	6	RPMW/T1204 MO	3	T15	M4X10	WD-204

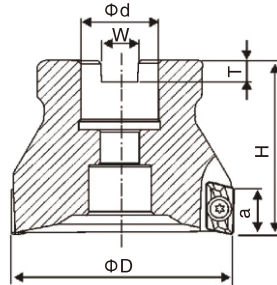
INDEX MILLING

TRS round dowel end mill



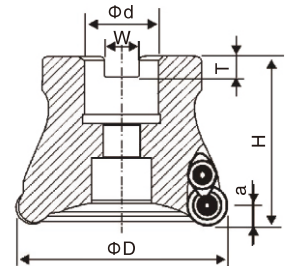
Stocked Letms	Cat.No	Size					Applicable inserts	Teeth	Wrench	Screw	Pressure plate	
		φD	φd	L	L1	L2						h
TRS-4R-12-130-C12-1T		12	12	130	40	-	4	RDMT0802MO	1	T08	M3X7	
TRS-4R-16-160-C16-2T		16	16	160	40	-	4	RDMT0802MO	2	T08	M3X7	WD-202
TRS-4R-20-160-C20-2T		20	20	160	50	-	4	RDMT0802MO	2	T08	M3X7	WD-202
TRS-4R-20-200-C20-2T		20	20	200	50	-	4	RDMT0802MO	2	T08	M3X7	WD-202
TRS-5R												
TRS-5R-25-160-C25-2T		25	25	160	50	-	5	RDMT10T3M0	2	T15	M4X10	WD-204
TRS-5R-25-200-C25-2T		25	25	200	75	-	5	RDMT10T3M0	2	T15	M4X10	WD-204
TRS-5R-30-160-C25-2T		30	25	160	40	-	5	RDMT10T3M0	2	T15	M4X10	WD-204
TRS-5R-30-200-C25-2T		30	25	200	50	-	5	RDMT10T3M0	2	T15	M4X10	WD-204
TRS-5R-30-250-C25-2T		30	25	300	60	-	5	RDMT10T3M0	2	T15	M4X10	WD-204
TRS-5R-35-160-C32-3T		35	32	160	50	-	5	RDMT10T3M0	3	T15	M4X10	WD-204
TRS-5R-35-200-C32-3T		35	32	200	50	-	5	RDMT10T3M0	3	T15	M4X10	WD-204
TRS-5R-35-250-C32-3T		35	32	250	60	-	5	RDMT10T3M0	3	T15	M4X10	WD-204

BAP right angle shoulder face mill



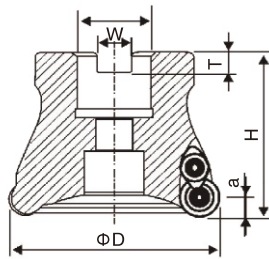
Stocked Letms	Cat.No	Size						Applicable inserts	Teeth	Wrench	Screw	Pressure plate
		ϕD	ϕd	H	W	T	a					
BAP400R-50-22-4T		50	22	50	10.4	6.3	14	APMT1604PDER	4	T15	M4X10	-
BAP400R-63-22-4T		63	22	50	10.4	6.3	14	APMT1604PDER	4	T15	M4X10	-
BAP400R-63-22-5T		63	22	50	10.4	6.3	14	APMT1604PDER	5	T15	M4X10	-
BAP400R-80-27-6T		80	27	50	12.4	7	14	APMT1604PDER	6	T15	M4X10	-
BAP400R-100-32-6T		100	32	50	14.4	8	14	APMT1604PDER	6	T15	M4X10	-
BAP400R-125-40-6T		125	40	63	16.4	9	14	APMT1604PDER	6	T15	M4X10	-

EMR round dowel face mill



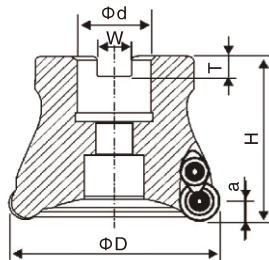
Stocked Letms	Cat.No	Size						Applicable inserts	Teeth	Wrench	Screw	Pressure plate
		ϕD	ϕd	H	W	T	a					
EMR-5R-50-22-4T		50	22	50	10.4	6.3	5	RPMW1003M0	4	T15	M4X10	WD-204
EMR-5R-63-22-4T		63	22	50	10.4	6.3	5	RPMW1003M0	4	T15	M4X10	WD-204
EMR-5R-63-22-5T		63	22	50	10.4	6.3	5	RPMW1003M0	5	T15	M4X10	WD-204
EMR-5R-80-27-6T		80	27	50	12.4	7	5	RPMW1003M0	6	T15	M4X10	WD-204
EMR-5R-100-32-6T		100	32	50	14.4	7	5	RPMW1003M0	6	T15	M4X10	WD-204

EMRW round dowel face mill



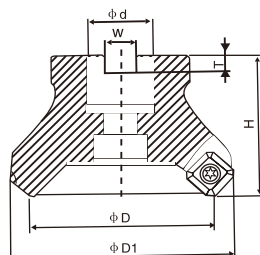
Cat.No	Size						Applicable inserts	Teeth	Wrench	Screw	Pressure plate
	ϕD	ϕd	H	W	T	a					
EMRW-6R-50-22-4T	50	22	50	10.4	6.3	6	RPMW/T1204M0	4	T15	M4X10	WD-204
EMRW-6R-63-22-4T	63	22	50	10.4	6.3	6	RPMW/T1204M0	4	T15	M4X10	WD-204
EMRW-6R-63-22-5T	63	22	50	10.4	6.3	6	RPMW/T1204M0	5	T15	M4X10	WD-204
EMRW-6R-80-27-6T	80	27	50	12.4	7	6	RPMW/T1204M0	6	T15	M4X10	WD-204
EMRW-6R-100-32-6T	100	32	50	14.4	7	6	RPMW/T1204M0	6	T15	M4X10	WD-204

TRS round dowel end mill



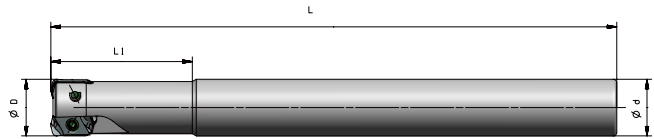
Cat.No	Size						Applicable inserts	Teeth	Wrench	Screw	Pressure plate
	ϕD	ϕd	H	W	T	a					
TRS-5R-50-22-4T	50	22	50	10.4	6.3	5	RDMT10T3MO	4	T15	M4X10	WD-204
TRS-5R-63-22-4T	63	22	50	10.4	6.3	5	RDMT10T3MO	4	T15	M4X10	WD-204
TRS-6R-50-22-4T	50	22	50	10.4	6.3	6	RDMT1204M0	4	T15	M4X10	WD-204
TRS-6R-63-22-4T	63	22	50	10.4	6.3	6	RDMT1204M0	4	T15	M4X10	WD-204
TRS-6R-63-22-5T	63	22	50	10.4	6.3	6	RDMT1204M0	5	T15	M4X10	WD-204
TRS-6R-80-27-6T	80	27	50	12.4	7	6	RDMT1204M0	6	T15	M4X10	WD-204

KM-45° face mill



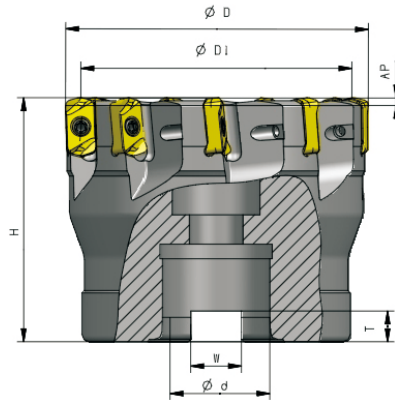
Cat.No	Size						Applicable inserts	Teeth	Wrench	Screw	Pressure plate
	ϕD	ϕd	H	W	T	$\phi D1$					
KM12-50-22-4T	50	22	50	10.4	6.3	64	SEKT1204□□	4	T20	M5X11	
KM12-63-22-4T	63	22	50	10.4	6.3	77	SEKT1204□□	4	T20	M5X11	
KM12-80-27-5T	80	27	50	12.4	7	94	SEKT1204□□	5	T20	M5X11	
KM12-100-32-5T	100	32	50	14.4	8	114	SEKT1204□□	5	T20	M5X11	

EXN series milling holder



Stocked Letrms	Cat.No	Size					Flute	Applicable inserts	Wrench	Screw	
		ØD	ØD ₁	Ød	L1	L					ap
EXN03R-16-100-C16-2T		16	9.6	16	35	100	1	2	LNMU0303ZER	T08	M2.5X6.5
EXN03R-16-160-C16-2T		16	9.6	16	40	160	1	2			
EXN03R-17-100-C16-2T		17	10.5	16	35	100	1	2			
EXN03R-17-160-C16-2T		17	10.5	16	40	160	1	2			
EXN03R-18-100-C16-2T		18	11.5	16	35	100	1	2			
EXN03R-18-160-C16-2T		18	11.5	16	40	160	1	2			
EXN03R-20-130-C20-3T		20	13.5	20	40	130	1	3			
EXN03R-20-160-C20-3T		20	13.5	20	45	160	1	3			
EXN03R-21-130-C20-3T		21	14.5	20	40	130	1	3			
EXN03R-21-160-C20-3T		21	14.5	20	50	160	1	3			
EXN03R-22-130-C20-3T		22	15.5	20	40	130	1	3			
EXN03R-22-200-C20-3T		22	15.5	20	50	200	1	3			
EXN03R-25-160-C25-4T		25	18.5	25	50	160	1	3			
EXN03R-25-200-C25-4T		25	18.5	25	60	200	1	4			
EXN03R-26-160-C25-4T		26	19.5	25	50	160	1	4			
EXN03R-26-200-C25-4T		26	19.5	25	60	200	1	4			
EXN03R-28-160-C25-4T		28	21.5	25	50	160	1	4			
EXN03R-28-200-C25-4T		28	21.5	25	60	200	1	4			
EXN03R-30-160-C32-5T		30	23.5	32	50	160	1	5			
EXN03R-30-200-C32-5T		30	23.5	32	60	200	1	5			
EXN03R-32-160-C32-5T		32	25.5	32	50	160	1	5			
EXN03R-32-200-C32-5T		32	25.5	32	60	200	1	5			
EXN03R-35-160-C32-5T		35	28.5	32	45	160	1	5			
EXN03R-35-200-C32-5T		35	28.5	32	45	200	1	5			

EXN series mill



Stocked Letms	Cat.No	Size						Teeth	Applicable inserts	Wrench	Screw	
		ØD	ØD1	Ød	H	W	ap					T
	EXN03R-040-A16-6T	40	33.6	16	40	8.4	1	5.5	6	LNMU0303ZER	T08	M2.5X6.5
	EXN03R-050-A22-8T	50	43.6	22	50	10.4	1	6.3	8			
	EXN03R-063-A22-9T	63	56.6	22	50	10.4	1	6.3	9			
	EXN03R-080-A27-10T	80	73.6	27	50	12.4	1	6.3	10			

 Insert	 Insert Screw	 Wrench
LNMU0303ZER	M2.5X6.5	T08

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