

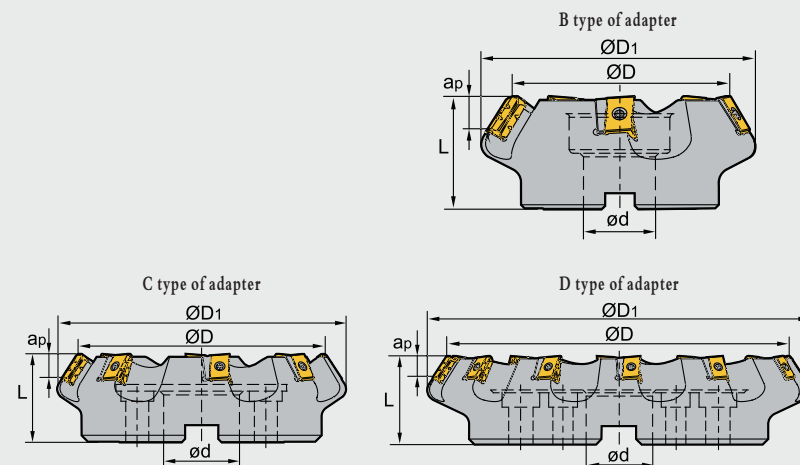
MILLING TOOLS

Face Milling tool

Kr:75°



FME04 P M K



Type	Stock		ØD	ØD ₁	Ød	L	a _{pmax}	Tooth Z	Applicable Insert	Adapter	Weight (kg)
	R	L									
FME04 -125-B40-LN15-06	▲	△	125	137	40	63	8	6	LNKT1506EN-ZR	B	3.8
-160-B40-LN15-08	▲	△	160	170	40	63	8	8		C	6.6
-200-C60-LN15-10	▲	△	200	208	60	70	8	10		C	9.6
-250-C60-LN15-12	▲	△	250	257	60	70	8	12		C	13.4
-315-D60-LN15-16	▲	△	315	328	60	80	8	16		D	25.2

▲ Stock △ Order

Spare Parts

Diameter ØD	Insert	Shim	shim screw	insert screw	Wrench	
Ø125-Ø315	LNKT1506	LLN15-ZR	L60M3×8	L60M4×15	T15T	T08

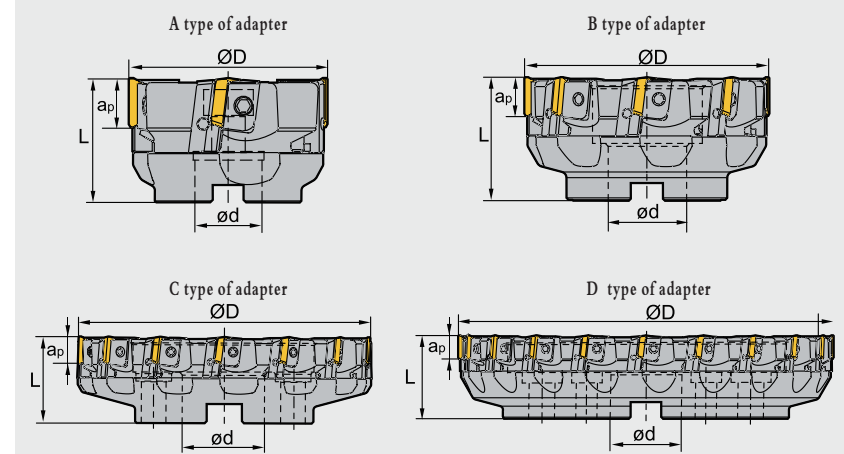
MILLING TOOLS

Face Milling tool

Kr:90°



FMP01 P M K



Type of Milling Tools

Type		Stock		Dimension (mm)				Tooth Z	Adapter	Weight (kg)
		R	L	ØD	Ød	L	a _{pmax}			
FMP01	-080-A27-TP22-04	▲	△	80	27	50	18	4	A	1.2
	-100-B32-TP22-06	▲	△	100	32	50	18	6	B	1.7
	-125-B40-TP22-08	▲	△	125	40	63	18	8	B	3.2
	-160-B40-TP22-10	▲	△	160	40	63	18	10	B	5.1
	-200-C60-TP22-12	▲	△	200	60	63	18	12	C	7.4
	-250-C60-TP22-16	▲	△	250	60	63	18	16	C	12.3
	-315-D60-TP22-20	▲	△	315	60	70	18	20	D	21.9

▲ Stock △ Order

Spare Parts

Diameter ØD	Applicable Insert	Knife-holder	Block	Clamping	knife-holder screw	Wrench
Ø80 Ø100	TPKN2204	LTP4R1/L1	W04R/L	WM8×17	LOM5×15.1	S3 S4
Ø125 ~ Ø315		LTP4R/L		WM8×22		

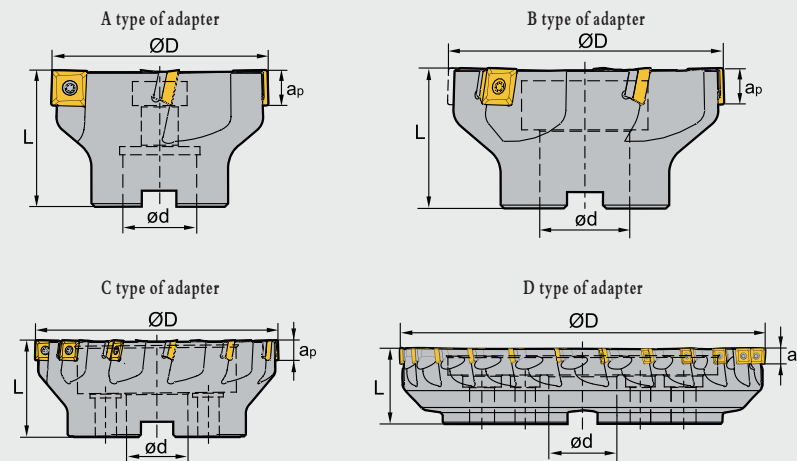
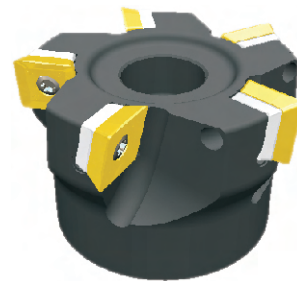
MILLING TOOLS

Face Milling tool

Kr:90°



FMP02 P M K



Type of Milling Tools

Type		Stock	Dimension (mm)				Tooth Z	Adapter	Weight (kg)
			ØD	ød	L	apmax			
FMP02	-050-A22-SE09-05	▲	50	22	40	6.7	5	A	0.3
	-063-A22-SE09-06	▲	63	22	40	6.7	6	A	0.5
	-080-A27-SE09-08	▲	80	27	50	6.7	8	A	0.9
	-100-B32-SE09-08	▲	100	32	50	6.7	8	B	1.7
	-100-B32-SE09-10	△	100	32	50	6.7	10	B	1.7
	-125-B40-SE09-12	△	125	40	63	6.7	12	B	2.6

▲ Stock △ Order

MILLING TOOLS

Type of Milling Tools

Type		Stock	Dimension (mm)				Tooth Z	Adapter	Weight (kg)
			ØD	ød	L	apmax			
FMP02	-050-A22-SE12-03	▲	50	22	40	10.8	3	A	0.3
	-063-A22-SE12-04	▲	63	22	40	10.8	4	A	0.4
	-080-A27-SE12-04	▲	80	27	50	10.8	4	A	0.9
	-100-B32-SE12-05	▲	100	32	50	10.8	5	B	1.2
	-125-B40-SE12-06	▲	125	40	63	10.8	6	B	3.1
	-160-C40-SE12-08	▲	160	40	63	10.8	8	C	4.1
	-250-C60-SE12-12	▲	250	60	63	10.8	12	C	11.1
	-050-A22-SE12-04	▲	50	22	40	10.8	4	A	0.3
	-063-A22-SE12-05	▲	63	22	40	10.8	5	A	0.4
	-080-A27-SE12-06	▲	80	27	50	10.8	6	A	0.8
	-100-B32-SE12-07	▲	100	32	50	10.8	7	B	1.2
	-125-B40-SE12-08	▲	125	40	63	10.8	8	B	3.0
	-160-C40-SE12-12	▲	160	40	63	10.8	12	C	3.9
	-050-A22-SE12-05	▲	50	22	40	10.8	5	A	0.2
	-063-A22-SE12-06	▲	63	22	40	10.8	6	A	0.4
	-080-A27-SE12-08	▲	80	27	50	10.8	8	A	0.8
	-100-B32-SE12-10	▲	100	32	50	10.8	10	B	1.2
	-125-B40-SE12-12	▲	125	40	63	10.8	12	B	2.9
	-200-C60-SE12-16	▲	200	60	63	10.8	16	C	6.1
	-250-C60-SE12-18	▲	250	60	63	10.8	18	C	10.9
	-315-D60-SE12-24	▲	315	60	63	10.8	24	D	21.6

▲ Stock △ Order

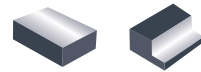
Spare Parts

Diameter ØD	Insert	Shim	insert screw	shim screw	Wrench	Wrench
Ø50 ~ Ø125	SEET09T3	--	L60M3×8	--	T10T	--
Ø50	SEET1203	--	L60M3.5×10	--	T15T	--
Ø63 ~ Ø315		S12BSX	L60M3.5×10	SM5×7XA		S4

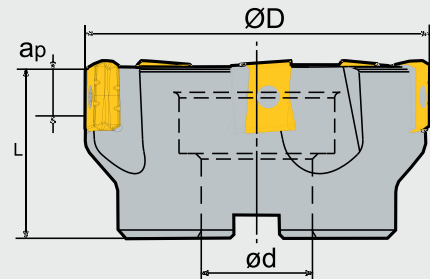
MILLING TOOLS

Face Milling tool

Kr:90°



FMP03 P M K



Type	Stock		ØD	Ød	L	apmax	Tooth Z	Applicable Insert	Adapter	Weight (kg)
	R	L								
FMP03 -125-B40-LN15-06	▲	△	125	40	63	8	6	LNKT1506EN-ZR	B	3.2
-160-C40-LN15-08	▲	△	160	40	63	8	8		C	5.1
-200-C60-LN15-10	▲	△	200	60	70	8	10		C	7.5
-250-C60-LN15-12	▲	△	250	60	70	8	12		C	12.2
-315-D60-LN15-16	▲	△	315	60	80	8	16		D	23.7
-125-B40-LN20-06	▲	△	125	40	63	12	6	LNKT2007DN-ZR	B	3.3
-160-C40-LN20-08	▲	△	160	40	63	12	8		C	5.3
-200-C60-LN20-10	▲	△	200	60	70	12	10		C	8.8
-250-C60-LN20-12	▲	△	250	60	70	12	12		C	14.0
-315-D60-LN20-15	▲	△	315	60	80	12	15		D	23.9
-125-B40-LN25-05	▲	△	125	40	63	15	5	LNKT2510-ZR	B	3.3
-160-C40-LN25-06	▲	△	160	40	63	15	6		C	5.1
-200-C60-LN25-8	▲	△	200	60	70	15	8		C	8.9
-250-C60-LN25-10	▲	△	250	60	70	15	10		C	12.0
-315-D60-LN25-12	▲	△	315	60	80	15	12		D	21.9

▲ Stock △ Order

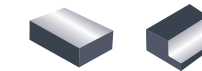
Spare Parts

Diameter ØD	Insert	Shim	shim screw	insert screw	Wrench	
Ø125-Ø315	LNKT1506	LLN15-ZR	L60M3×8	L60M4×15	T15T	T08
	LNKT2007	LLN20R-ZR	L60M3×8	L60M4×15	T15T	T08
	LNKT2510	LLN25R-ZR	L60M3.5×10	L60M5×17	T20T	T15

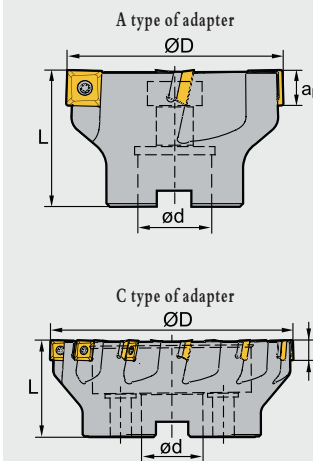
MILLING TOOLS

Face Milling tool

Kr:90°



FMP04 P M K



Type of Milling Tools

Type	Stock	Dimension (mm)				Tooth Z	Adapter	Weight (kg)
		ØD	Ød	L	apmax			
FMP04 -050-A22-S012-03	▲	50	22	40	10	3	A	0.3
-063-A22-S012-04	▲	63	22	40	10	4	A	0.4
-080-A27-S012-04	▲	80	27	50	10	4	A	0.9
-100-B32-S012-05	▲	100	32	50	10	5	B	1.2
-125-B40-S012-06	▲	125	40	63	10	6	B	3.1
-160-C40-S012-08	▲	160	40	63	10	8	C	4.1
-200-C60-S012-10	▲	200	60	63	10	10	C	6.1
-250-C60-S012-12	▲	250	60	63	10	12	C	10.9
-050-A22-S012-04	▲	50	22	40	10	4	A	0.3
-063-A22-S012-05	▲	63	22	40	10	5	A	0.4
-080-A27-S012-06	▲	80	27	50	10	6	A	0.9
-100-B32-S012-07	▲	100	32	50	10	7	B	1.2
-125-B40-S012-08	▲	125	40	63	10	8	B	3.1
-160-C40-S012-12	▲	160	40	63	10	12	C	4.1
-200-C60-S012-16	▲	200	60	63	10	16	C	6.1
-250-C60-S012-18	▲	250	60	63	10	18	C	10.9

▲ Stock △ Order

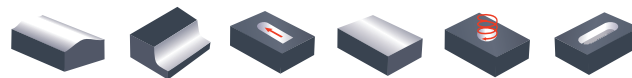
Spare Parts

Diameter ØD	Insert	Shim	insert screw	shim screw	Wrench	Wrench
Ø50	SOET12T308PEER-JL	--	L60M3.5×10	--	T15T	--
Ø63 ~ Ø250	SOMT12T308PEER-JM/JH/FT SOGT12T308PEFR-JP	S12BSX	L60M3.5×10	SM5×7XA		S4

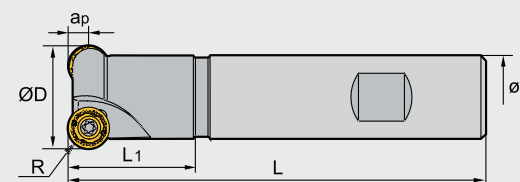
Note: The insert is Mitsubishi brand

MILLING TOOLS

Face Milling tool



FMR01 P M K



Type of Milling Tools

Type		Stock	Dimension (mm)						Tooth Z	Weight (kg)
			ØD	ød	L	L1	R	apmax		
FMR01	-025-XP20-RC10-02	▲	25	20	100	30	5	5	2	0.2
	-032-XP25-RC10-02	▲	32	25	120	35	5	5	2	0.5
	-040-XP32-RC12-03	▲	40	32	120	40	6	6	3	0.7
	-050-XP32-RC12-03	▲	50	32	120	40	6	6	3	0.8

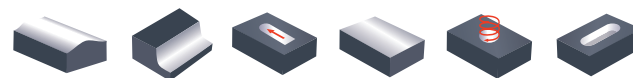
▲ Stock △ Order

Spare Parts

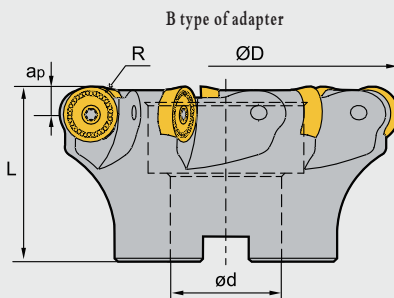
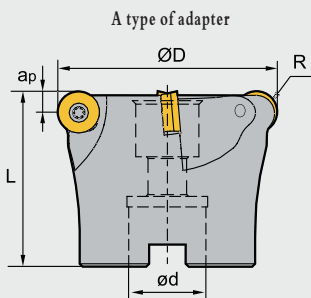
Diameter ØD	Applicable Insert	insert screw	Wrench
Ø25 -Ø32	RCKT1073	L60M3.5×10	T15
Ø40 -Ø50	RCKT1204	L60M4×10	

MILLING TOOLS

Face Milling tool



FMR02 P M K



Type of Milling Tools

Type		Stock	Dimension (mm)					Tooth Z	Adapter	Weight (kg)
			ØD	ød	L	R	apmax			
FMR02	063-A22-RC12-04	▲	63	22	50	6	6	4	A	0.7
	080-B27-RC16-05	▲	80	27	50	8	8	5	B	0.7
	100-B32-RC16-06	▲	100	32	63	8	8	6	B	1.2
	125-B40-RC20-07	△	125	40	63	10	10	7	B	2.2
	160-B40-RC20-08	△	160	40	63	10	10	8	B	4.2

▲ Stock △ Order

Spare Parts

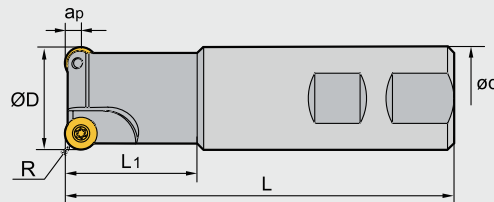
Diameter ØD	Applicable Insert	insert screw	Wrench	
Ø63	RCKT1204	L60M3.5×10	T15	--
Ø80 -Ø100	RCKT1606	L60M5×13	—	T20T
Ø125 -Ø160	RCKT2006	L43M6×16	—	T20T

MILLING TOOLS

Face Milling tool



FMR03 P M K



Type of Milling Tools

Type		Stock	Dimension (mm)						Tooth Z	Weight (kg)
			ØD	ød	L	L1	R	apmax		
FMR03	-016-XP16-RD08-02	▲	16	16	100	25	4	4	2	0.1
	-025-XP25-RD08-02	▲	25	25	100	30	4	4	2	0.3
	-032-XP32-RD10-02	▲	32	32	120	40	5	5	2	0.7
	-040-XP32-RD12-03	▲	40	32	120	40	6	6	3	0.7
	-050-XP32-RD12-04	▲	50	32	120	40	6	6	4	0.8

▲ Stock △ Order

Spare Parts

Diameter ØD	Applicable Insert	insert screw	Wrench
Ø16-Ø25	 RDkW0803	 L60M3×8	 T10
Ø32	 RDkW10T3	 L60M3.5×10	 T15
Ø40-Ø50	 RDkW1204	 L60M4×10	 T15

MILLING TOOLS

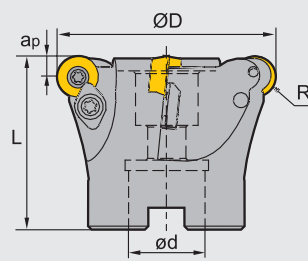
Face Milling tool



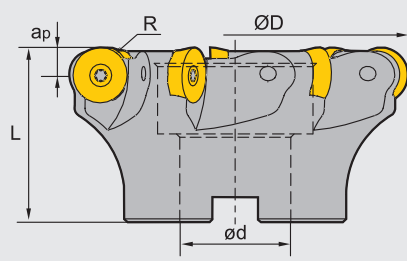
FMR04 P M K



A type of adapter



B type of adapter



Type of Milling Tools

Type		Stock	Dimension (mm)					Tooth Z	Adapter	Weight (kg)
			ØD	ød	L	R	apmax			
FMR04	050-A22-RD12-03	▲	50	22	40	6	6	3	A	0.3
	063-A22-RD12-04	▲	63	22	50	6	6	4	A	0.5
	080-B27-RD16-05	▲	80	27	50	8	8	5	B	1.2
	100-B32-RD16-06	▲	100	32	50	8	8	6	B	1.0
	125-B40-RD20-06	▲	125	40	63	10	10	6	B	1.9
	160-B40-RD20-07	▲	160	40	63	10	10	7	B	3.7

▲ Stock △ Order

Spare Parts

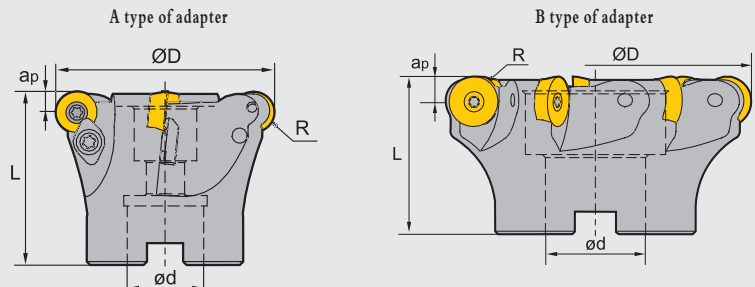
Diameter ØD	Applicable Insert	insert screw	Clamp	Block screw	Wrench	
Ø50-Ø63	 RDkW1204	 L60M3.5×10	 WD-204	 L60M4×10	 T15	—
Ø80-Ø100	 RDkW1605	 L60M5×13	—	—	—	T20T
Ø125-Ø160	 RDkW2006	 L43M6×16	—	—	—	T25T

MILLING TOOLS

Face Milling tool



FMR04 P M K



Type of Milling Tools

Type	Stock	Dimension (mm)					Tooth Z	Adapter	Weight (kg)
		ØD	ød	L	R	apmax			
FMR04	-050-A22-RP10-04	▲	50	22	40	5	5	4	A
	-063-A22-RP10-04	▲	63	22	50	5	5	4	A
	-063-A22-RP10-05	▲	63	22	50	5	5	5	A
	-080-A27-RP10-06	▲	80	27	50	5	5	6	A
	-100-B32-RP10-06	▲	100	32	50	5	5	6	B
	-050-A25.4-RP10-04	▲	50	25.4	40	5	5	4	A
	-063-A25.4-RP10-04	▲	63	25.4	50	5	5	4	A
	-063-A25.4-RP10-05	▲	63	25.4	50	5	5	5	A
	-050-A22-RP12-04	▲	50	22	40	6	6	4	A
	-063-A22-RP12-04	▲	63	22	50	6	6	4	A
	-063-A22-RP12-05	▲	63	22	50	6	6	5	A
	-080-A27-RP12-06	▲	80	27	50	6	6	6	A
	-100-B32-RP12-06	▲	100	32	50	6	6	6	B
	-125-B32-RP12-06	▲	125	32	63	6	6	6	B
	-160-B40-RP12-09	▲	160	40	63	6	6	9	B
	-200-C60-RP12-09	▲	200	60	63	6	6	9	C
FMR05	-050-A25.4-RP12-04	▲	50	25.4	40	6	6	4	A
	-063-A25.4-RP12-04	▲	63	25.4	50	6	6	4	A
	-063-A25.4-RP12-05	▲	63	25.4	50	6	6	5	A
	-080-A25.4-RP12-05	▲	80	25.4	50	6	6	5	A

▲ Stock △ Order

Spare Parts

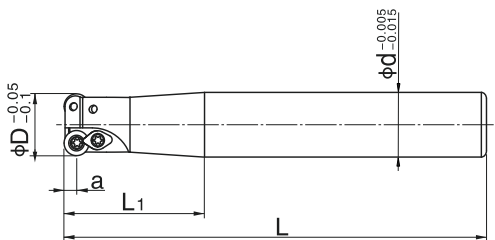
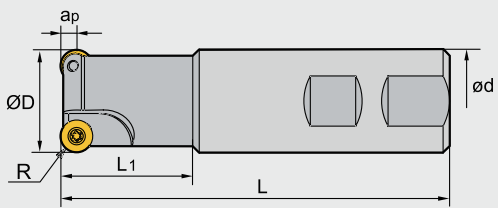
Diameter ØD	Applicable Insert	insert screw	Block	Block screw	Wrench
Ø50-Ø100	RPMW1003MO	L60M3.5 × 10	WD-202	L60M4 × 10	T15
	RPMT10T3MOE				
Ø50-Ø200	RPMW/T1204MO	L60M4 × 10	WD-204	L60M4 × 10	T15

MILLING TOOLS

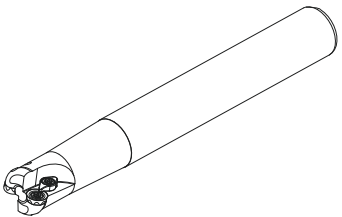
Face Milling tool



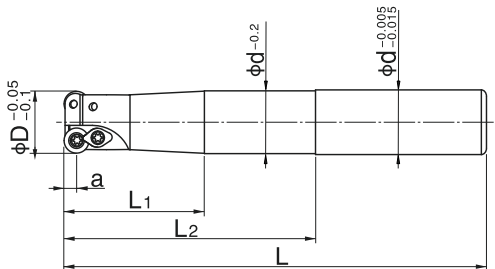
FMR05 P M K N



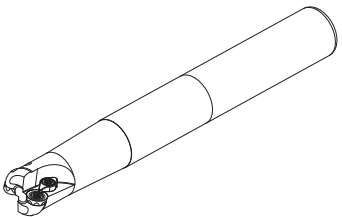
A type



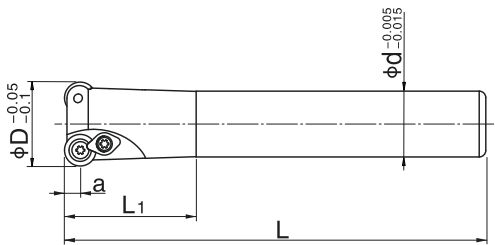
A type



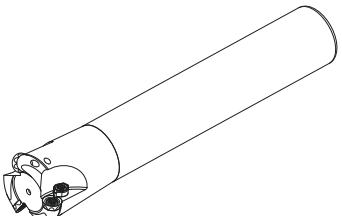
B type



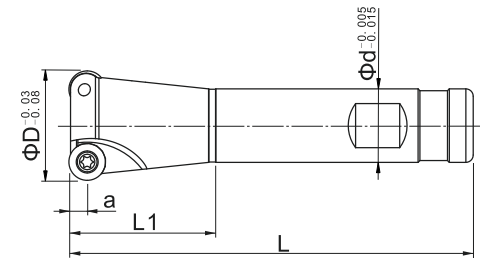
B type



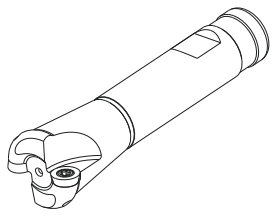
C type



C type



D type



D type

MILLING TOOLS

Type		Stock	Dimension (mm)						Applicable Insert	Tooth Z	Tyre	Insert Screw	Screw for clamp	Clamp	Wrench
			ØD	ød	L	L1	L2	ap							
FMR05	-012-G12-RP08-01-120	▲	12	12	120	40		4	RPMT08T2MOE	1	A	L60M3×8	L60M3×8	WD-202	T08
	-013-G12-RP08-01-120	▲	13	12	120	40		4		1	A				
	-016-G16-RP08-02-120	▲	16	16	120	40		4	RPMT08T2MOE	2	A				
	-016-G16-RP08-02-150	▲	16	16	150	40		4		2	A				
	-016-G15-RP08-02-150	▲	16	15	150	40		4		2	A				
	-016-G16-RP08-02-200	▲	16	16	200	40	100	4		2	B				
	-017-G16-RP08-02-150	▲	17	16	150	40		4		2	A				
	-020-G20-RP08-02-150	▲	20	20	150	50		4		2	A				
	-020-G20-RP08-02-200	▲	20	20	200	50	100	4		2	B				
	-021-G20-RP08-02-150	▲	21	20	150	50		4		2	A				
	-020-G20-RP10-02-150	▲	20	20	150	50		5	RPMW1003MO RPMT10T3MOE	2	A				
	-020-G20-RP10-02-200	▲	20	20	200	50	100	5		2	B				
	-021-G20-RP10-02-150	▲	21	20	150	50		5		2	A				
	-025-G25-RP10-02-150	▲	25	25	150	50		5		2	A				
	-025-G20-RP10-02-150	▲	25	20	150	50		5		2	C				
	-025-G24-RP10-02-150	▲	25	24	150	50		5		2	A				
	-025-G25-RP10-02-200	▲	25	25	200	75		5		2	A				
	-025-G25-RP10-02-250	▲	25	25	250	60	115	5		2	B				
	-025-G20-RP10-02-200	▲	25	20	200	50		5		2	C				
	-025-G24-RP10-02-200	▲	25	24	200	50		5		2	A				
	-030-XP20-RP10-02-110	▲	30	20	110	40		5		RPMT10T3MOE	2	D			
	-030-XP19.05-RP10-02-110	▲	30	19.05	110	40		5			2	D			
	-030-G25-RP10-02-150	▲	30	25	150	50		5			2	C			
	-030-G25-RP10-02-200	▲	30	25	200	60		5			2	C			
	-030-G25-RP10-02-250	▲	30	25	250	60		5			2	C			
	-035-G32-RP10-02-160	▲	35	32	160	50		5			2	C			
	-035-G32-RP10-02-200	▲	35	32	200	50		5			2	C			
	-035-G32-RP10-02-250	▲	35	32	250	60		5			2	C			
	-035-G32-RP10-03-300	▲	35	32	300	60		5			3	C			
	-035-G32-RP10-03-350	▲	35	32	350	60		5			3	C			
	-040-G32-RP10-03-160	▲	40	32	160	50		5	3	C					
	-040-G32-RP10-04-200	▲	40	32	200	50		5	4	C					
	-032-G25-RP12-02-160	▲	32	25	160	50		6	RPMW/T1204MO	2	C				
	-032-G32-RP12-02-160	▲	32	32	160	50		6		2	A				
	-032-G25-RP12-02-200	▲	32	25	200	60		6		2	C				
	-032-G32-RP12-02-200	▲	32	32	200	80		6		2	A				
-035-G32-RP12-03-160	▲	35	32	160	50		6	3		C					
-035-G32-RP12-03-200	▲	35	32	200	60		6	3		C					
-035-G32-RP12-03-250	▲	35	32	250	60		6	3		C					
-035-G32-RP12-03-300	▲	35	32	300	60		6	3		C					
-035-G32-RP12-03-350	▲	35	32	350	60		6	3		C					
-040-G32-RP12-03-160	▲	40	32	160	50		6	3		C					
-040-G32-RP12-03-200	▲	40	32	200	50		6	3		C					
-040-G32-RP12-03-250	▲	40	32	250	60		6	3		C					
-050-G32-RP12-03-200	▲	50	32	200	60		6	3		C					

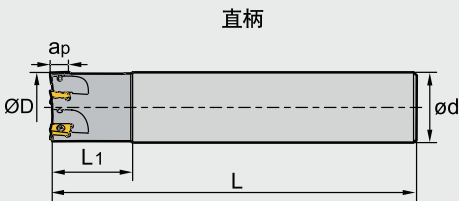
MILLING TOOLS

Square-Should Milling Tools

Kr:90°



EMP01 P M K N



Type of Milling Tools

Type		Stock	Dimension (mm)					Tooth Z	Weight (kg)
			ØD	ød	L	L1	apmax		
EMP01 straight shank	012-G16-AP11-01	▲	12	16	85	25	10.5	1	0.1
	016-G16-AP11-02	▲	16	16	90	25	10.5	2	0.1
	020-G20-AP11-02	▲	20	20	100	30	10.5	2	0.2
	025-G25-AP11-03	▲	25	25	115	35	10.5	3	0.4
	032-G32-AP11-04	▲	32	32	125	40	10.5	4	0.7
	025-G25-AP16-02	▲	25	25	115	35	15.5	2	0.4
	032-G32-AP16-03	▲	32	32	125	40	15.5	3	0.7
	040-G32-AP16-04	▲	40	32	130	42	15.5	4	0.8
	050-G32-AP16-05	▲	50	32	135	45	15.5	5	1.0
	063-G32-AP16-06	▲	63	32	135	45	15.5	6	1.4

▲ Stock △ Order

Spare Parts

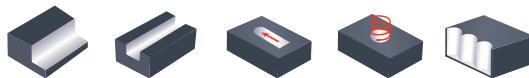
Diameter ØD	Insert	Screw	Wrench
Ø12-Ø32	AP K T11T3	L60M2.5×6.5	T08
Ø25-Ø63	AP K T1604	L60M4×10	T15

Note: The insert is ZCCCT brand

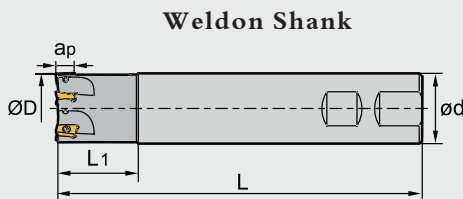
MILLING TOOLS

Square-Should Milling Tools

Kr:90°



EMP01 P M K N



Type of Milling Tools

Type		Stock	Dimension (mm)					Tooth Z	Weight (kg)
			ØD	ød	L	L ₁	ap _{max}		
EMP01 Weldon Shank	012-XP16-AP11-01	▲	12	16	85	25	10.5	1	0.1
	016-XP16-AP11-02	▲	16	16	90	25	10.5	2	0.1
	020-XP20-AP11-02	▲	20	20	100	30	10.5	2	0.2
	025-XP25-AP11-03	▲	25	25	115	35	10.5	3	0.4
	032-XP32-AP11-04	▲	32	32	125	40	10.5	4	0.7
	025-XP25-AP16-02	▲	25	25	115	35	15.5	2	0.4
	032-XP32-AP16-03	▲	32	32	125	40	15.5	3	0.7
	040-XP32-AP16-04	▲	40	32	130	42	15.5	4	0.8
	050-XP32-AP16-05	▲	50	32	135	45	15.5	5	1.0
	063-XP32-AP16-06	▲	63	32	135	45	15.5	6	1.4

▲ Stock △ Order

Spare Parts

Diameter ØD	Insert	Screw	Wrench
Ø12-Ø32	AP K T11T3	L60M2.5×6.5	T08
Ø25-Ø63	AP K T1604	L60M4×10	T15

Note: The insert is ZCCCT brand

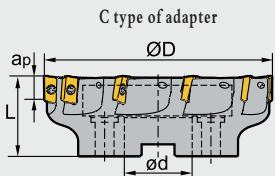
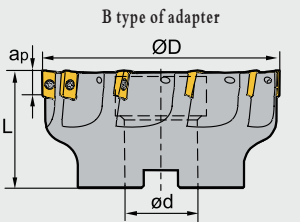
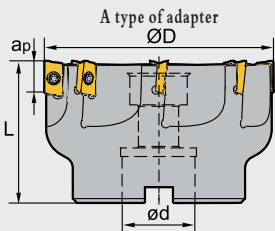
MILLING TOOLS

Square-Should Milling Tools

Kr:90°



EMP02 P M K N



Type of Milling Tools

Type		Stock	Dimension (mm)				Tooth Z	Adapter	Weight (kg)
			ØD	ød	L	apmax			
EMP02	050-A22-AP11-06	▲	50	22	40	11	6	A	0.3
	063-A22-AP11-08	▲	63	22	40	11	8	A	0.6
	080-A27-AP11-08	▲	80	27	50	11	8	A	1.2
	100-B32-AP11-10	▲	100	32	50	11	10	B	1.7
	050-A22-AP16-05	▲	50	22	40	15.5	5	A	0.3
	063-A22-AP16-06	▲	63	22	40	15.5	6	A	0.5
	080-A27-AP16-07	▲	80	27	50	15.5	7	A	1.1
	100-B32-AP16-08	▲	100	32	50	15.5	8	B	1.6
	125-B40-AP16-10	▲	125	40	63	15.5	10	B	3.2
	160-B40-AP16-10	▲	160	40	63	15.5	10	B	6.3
	200-C60-AP16-12	▲	200	60	63	15.5	12	C	8.1
	250-C60-AP16-12	▲	250	60	63	15.5	12	C	11.2

▲ Stock △ Order

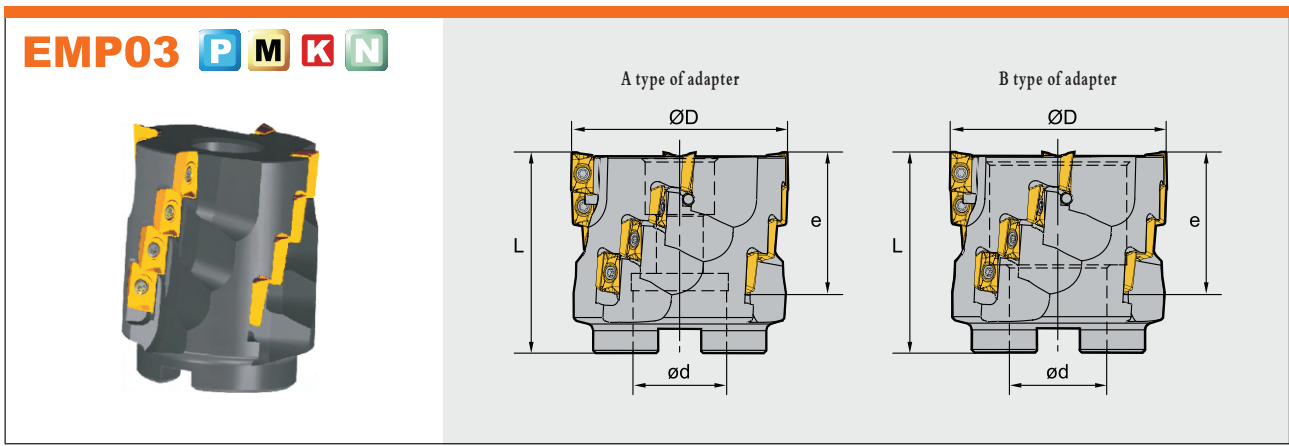
Spare Parts

Diameter ØD	Insert	Screw	Wrench
Ø50-Ø100	APK T11T3	L60M2.5×6.5	T08T
Ø50-Ø250	APKT1604	L60M4×10	T15T

Note: The insert is ZCCCT brand

MILLING TOOLS

Square-Should Milling Tools



■ Type of Milling Tools

Type		Stock	Dimension (mm)				Slot Z	Insert Quantity	Adapter	Weight (kg)
			ØD	ød	L	e				
EMP03	-050-A22-AP11-04	▲	50	22	58	39	4	16	A	0.5
	-063-A27-AP11-04	▲	63	27	58	39	4	16	A	0.9
	-080-B32-AP11-05	▲	80	32	63	39	5	20	B	1.3
	-100-B40-AP11-06	▲	100	40	63	39	6	24	B	2.0

▲ Stock △ Order

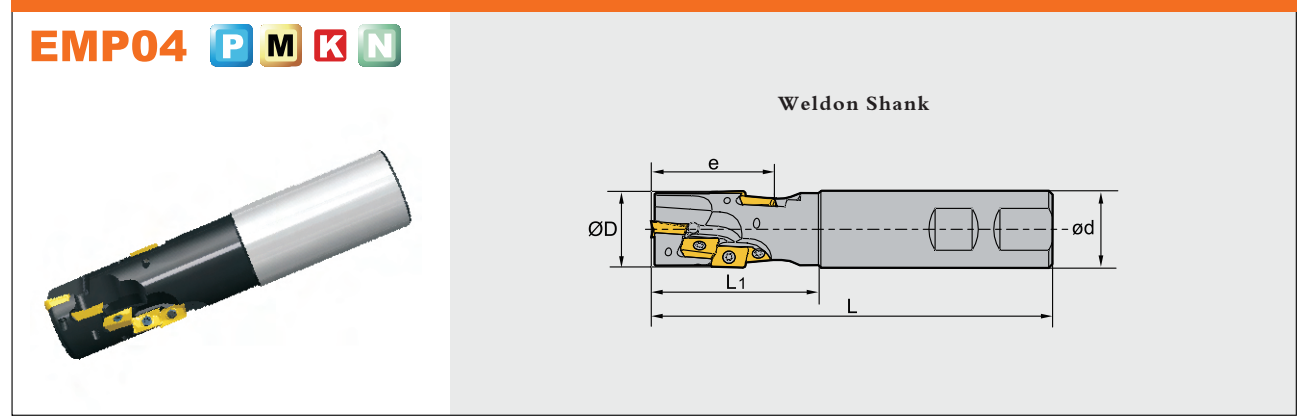
■ Spare Parts

Diameter ØD	Applicable Insert	Screw	Wrench
Ø50-Ø100	 AP K T11T3	 L60M2.5×6.5	 T08T

Note: The insert is ZCCCT brand

MILLING TOOLS

Square-Should Milling Tools



■ Type of Milling Tools

Type		Stock	Dimension (mm)					Slot Z	Insert Quantity	Weight (kg)
			ØD	ød	L	L1	e			
EMP04	-020-XP20-AP11-01	▲	20	20	120	45	29.4	1	3	0.3
	-025-XP25-AP11-02	▲	25	25	130	55	38.9	2	8	0.4
	-032-XP32-AP11-02	▲	32	32	140	65	48.5	2	10	0.7
	-040-XP40-AP11-02	▲	40	40	150	75	58.0	2	14	1.3

▲ Stock △ Order

■ Spare Parts

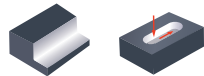
Diameter ØD	Applicable Insert	Screw	Wrench
Ø20-Ø40	 AP K T11T3	 L60M2.5×6.5	 T08T

Note: The insert is ZCCCT brand

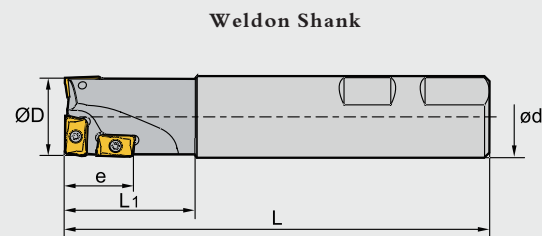
MILLING TOOLS

Square-Shoulder Milling Tools

Kr:90°



EMP05 P M K



Type of Milling Tools

Type	Stock	Dimension (mm)						Insert Quantity		Weight (kg)
		R	ØD	ød	L	L ₁	e	APMT11	APMT16	
EMP05	-025-XP25	▲	25	25	130	40	20	3	—	0.5
	-032-XP32	▲	32	32	140	50	30	—	3	0.8
	-040-XP32	▲	40	32	150	60	40	—	4	1.0

▲ Stock △ Order

Spare Parts

Diameter ØD	Insert	Screw	Wrench
Ø25-Ø40	APMT1135	L60M2.5×6.5	T08
	APMT1604	L60M4×10	T15

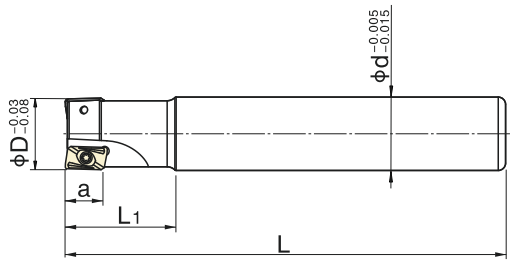
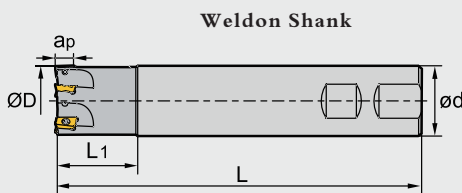
MILLING TOOLS

Square-Shoulder Milling Tools

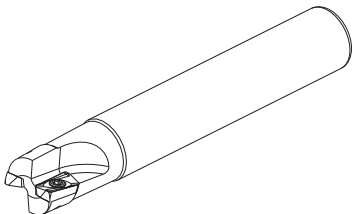
Kr:90°



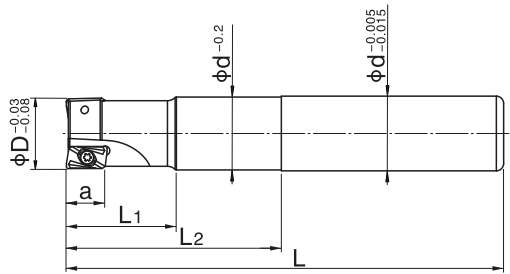
EMP06 P M K N



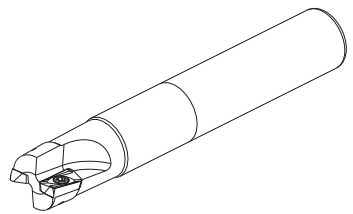
A type



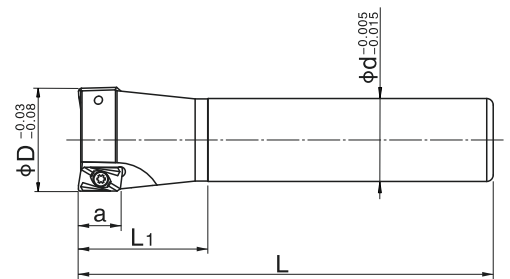
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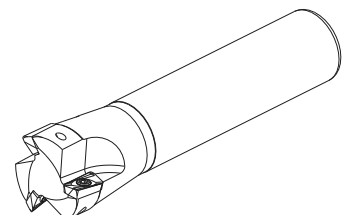
B type



B type



C type



C type

MILLING TOOLS

Type of Milling Tools

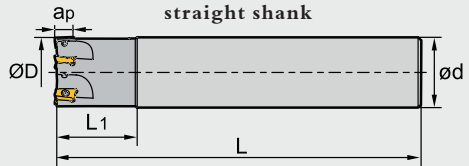
Type	Stock	Dimension (mm)						Applicable Insert	Tooth Z	Type	Screw for clamp	Wrench
		ØD	ød	L	L1	L2	ap					
EMP06	-012-G12-AP11-01-100	▲	12	12	100	30		APMT1135PDER	1	A	L60M2.5×5	T08
	-012-G12-AP11-01-120	▲	12	12	120	30			1	A		
	-012-G12-AP11-01-130	▲	12	12	130	36			1	A		
	-012-G12-AP11-01-150	▲	12	12	150	36			1	A		
	-013-G12-AP11-01-120	▲	13	12	120	40			1	A		
	-016-G16-AP11-02-120	▲	16	16	120	40			2	A		
	-016-G16-AP11-02-160	▲	16	16	160	40		APMT1135PDER	2	A	L60M2.5×6	T08
	-016-G16-AP11-02-180	▲	16	16	180	40	90		2	B		
	-016-G16-AP11-02-200	▲	16	16	200	40	100		2	B		
	-017-G16-AP11-02-160	▲	17	16	160	40			2	A		
	-017-G16-AP11-02-200	▲	17	16	200	40			2	A		
	-020-G20-AP11-02-120	▲	20	20	120	40			2	A		
	-020-G20-AP11-02-150	▲	20	20	150	50			2	A		
	-020-G20-AP11-02-180	▲	20	20	180	50	90		2	B		
	-020-G20-AP11-02-200	▲	20	20	200	50	100		2	B		
	-021-G20-AP11-02-160	▲	21	20	160	40			2	A		
	-021-G20-AP11-02-200	▲	21	20	200	50			2	A		
	-025-G25-AP11-03-150	▲	25	25	150	50			2	A		
	-025-G25-AP11-03-200	▲	25	25	200	75			2	A		
	-030-G25-AP11-03-150	▲	30	25	150	50			2	C		
	-025-G25-AP16-02-150	▲	25	25	150	50		APMT1604 PDER	2	A	L60M4×10	T15
	-025-G24-AP16-02-150	▲	25	24	150	50			2	A		
	-025-G25-AP16-02-200	▲	25	25	200	75			2	A		
	-025-G24-AP16-02-200	▲	25	24	250	50			2	A		
	-025-G25-AP16-02-250	▲	25	25	250	50	115		2	B		
	-025-G24-AP16-02-250	▲	25	24	250	50			2	A		
	-026-G25-AP16-02-150	▲	26	25	150	50			2	A		
	-026-G25-AP16-02-200	▲	26	25	200	50			2	A		
	-032-G25-AP16-02-150	▲	32	25	150	50			2	C		
	-032-G25-AP16-02-200	▲	32	25	200	50			2	C		
	-032-G32-AP16-02-200	▲	32	32	200	80			2	A		
	-035-G32-AP16-03-160	▲	35	32	160	50			3	C		
	-035-G32-AP16-03-200	▲	35	32	200	50			3	C		
	-035-G32-AP16-03-250	▲	35	32	250	60			3	C		
	-035-G32-AP16-03-300	▲	35	32	300	60			3	C		
	-035-G32-AP16-03-350	▲	35	32	350	60			3	C		
	-040-G32-AP16-03-160	▲	40	32	160	50			3	C		
	-040-G32-AP16-03-200	▲	40	32	200	50			3	C		
	-040-G32-AP16-03-250	▲	40	32	250	60			3	C		

MILLING TOOLS

Square-Should Milling Tools



EMP07 P M K N



Type of Milling Tools

Type		Stock	Dimension (mm)					Tooth Z	Weight (kg)
			ØD	ød	L	L ₁	a _{pmax}		
EMP07 straight shank	-025-G25-LD15-2-120	▲	25	25	120	40	15	2	0.4
	-025-G25-LD15-2-165	▲	25	25	165	40	15	2	0.55
	-025-G25-LD15-2-200	▲	25	25	200	40	15	2	0.67
	-032-G25-LD15-2-200	▲	32	25	200	40	15	2	1.14
	-032-G25-LD15-2-250	▲	32	25	250	40	15	2	1.43
	-032-G32-LD15-2-140	▲	32	32	140	40	15	2	0.81
	-032-G32-LD15-2-200	▲	32	32	200	40	15	2	1.16
	-032-G32-LD15-2-250	▲	32	32	250	40	15	2	1.45
	-032-G32-LD15-2-300	▲	32	32	300	40	15	2	1.74
	-035-G32-LD15-3-200	▲	35	32	200	40	15	3	1.4
	-035-G32-LD15-3-250	▲	35	32	250	40	15	3	1.67
	-035-G32-LD15-3-300	▲	35	32	300	40	15	3	2.0
	-040-G32-LD15-3-140	▲	40	32	140	40	15	3	0.88
	-040-G32-LD15-3-200	▲	40	32	200	40	15	3	1.42
	-040-G32-LD15-3-250	▲	40	32	250	40	15	3	1.78
	-040-G32-LD15-3-300	▲	40	32	300	40	15	3	2.1
	-050-G32-LD15-3-140	▲	50	32	140	40	15	3	1.0

▲ Stock △ Order

Spare Parts

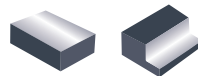
Diameter ØD	Insert	Screw	Wrench
Ø25-Ø50	LDEF150408FR-27P	L60M4×10	T15
	LDMT1504PDSR-29	L60M4×10	T15
	LDFW1504PDSR	L60M4×10	T15
	LDFT1504PDSR-33	L60M4×10	T15

Note: The insert is ZCCCT brand

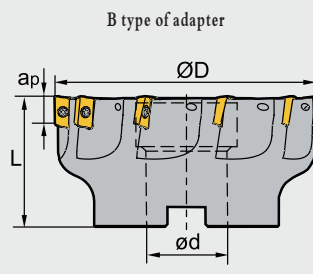
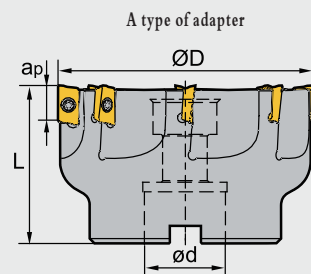
MILLING TOOLS

Square-Should Milling Tools

Kr:90°



EMP08 P M K N



Type of Milling Tools

Type		Stock	Dimension (mm)				Tooth Z	Adapter	Weight (kg)
			ØD	ød	L	apmax			
EMP08	-050-A22-LD15-4	▲	50	22	40	15	4	A	0.4
	-063-A22-LD15-5	▲	63	22	40	15	5	A	0.6
	-080-A27-LD15-6	▲	80	27	50	15	6	A	0.85
	-100-B32-LD15-7	▲	100	32	50	15	7	B	1.2
	-125-B40-LD15-8	▲	125	40	63	15	8	B	2.9
	-160-B40-LD15-9	▲	160	40	63	15	9	B	4.9

▲ Stock △ Order

Spare Parts

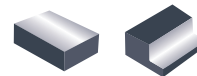
Diameter ØD	Insert	Screw	Wrench
Ø50-Ø160	LDEF150408FR-27P	L60M4×10	T15T
	LDMT1504PDSR-29	L60M4×10	T15T
	LDFW1504PDSR	L60M4×10	T15T
	LDFT1504PDSR-33	L60M4×10	T15T

Note: The insert is Ceratizit brand

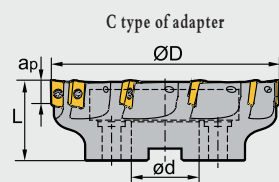
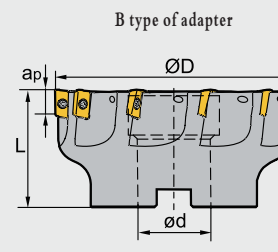
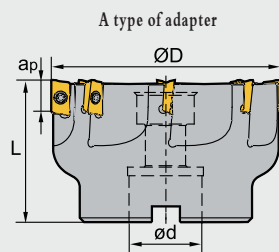
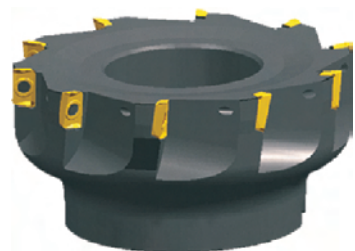
MILLING TOOLS

Square-Should Milling Tools

Kr:90°



EMP09 P M K N



Type of Milling Tools

Type		Stock	Dimension (mm)				Tooth Z	Adapter	Weight (kg)
			ØD	ød	L	apmax			
EMP09	-050-A22-AP17-5	▲	50	22	40	15	5	A	0.4
	-063-A22-AP17-6	▲	63	22	40	15	6	A	0.6
	-080-A27-AP17-7	▲	80	27	50	15	7	A	1.2
	-100-B32-AP17-8	▲	100	32	50	15	8	B	1.6
	-125-B40-AP17-9	▲	125	40	63	15	9	B	3.2
	-160-B40-AP17-10	▲	160	40	63	15	10	B	6.3
	-200-C60-AP17-12	▲	200	60	63	15	12	C	8.1

▲ Stock △ Order

Spare Parts

Diameter ØD	Insert	Screw	Wrench
Ø50-Ø200	APKT1705PER-M/EM/AL/EL APKT1705□R-EM/GM	L60M4×10	T15T

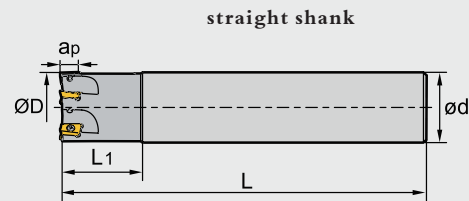
Note: The insert is Taegutec brand

MILLING TOOLS

Square-Should Milling Tools



EMP11 



Type of Milling Tools

Type		Stock	Dimension (mm)					Tooth Z	Weight (kg)
			ØD	ød	L	L1	apmax		
EMP11 straight shank	012-G16-AZ11-01	▲	12	16	85	25	10.5	1	0.1
	016-G16-AZ11-02	▲	16	16	90	25	10.5	2	0.1
	020-G20-AZ11-02	▲	20	20	100	30	10.5	2	0.2
	025-G25-AZ11-03	▲	25	25	115	35	10.5	3	0.4
	032-G32-AZ11-04	▲	32	32	125	40	10.5	4	0.7
	025-G25-AZ16-02	▲	25	25	115	35	15.5	2	0.4
	032-G32-AZ16-03	▲	32	32	125	40	15.5	3	0.7
	040-G32-AZ16-04	▲	40	32	130	42	15.5	4	0.8
	050-G32-AZ16-05	▲	50	32	135	45	15.5	5	1.0
	063-G32-AZ16-06	▲	63	32	135	45	15.5	6	1.4
	012-G16-AZ11-01-L	▲	12	16	135	25	10.5	1	0.2
	016-G16-AZ11-02-L	▲	16	16	160	25	10.5	2	0.2
	020-G20-AZ11-02-L	▲	20	20	160	30	10.5	2	0.3
	025-G25-AZ11-03-L	▲	25	25	180	35	10.5	3	0.6
	032-G32-AZ11-04-L	▲	32	32	200	40	10.5	4	1.2
	025-G25-AZ16-02-L	▲	25	25	180	35	15.5	2	0.6
	032-G32-AZ16-03-L	▲	32	32	200	40	15.5	3	1.2
	040-G32-AZ16-04-L	▲	40	32	200	42	15.5	4	1.2

▲ Stock △ Order

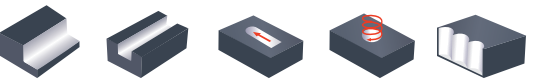
Spare Parts

Diameter ØD	Insert	Screw	Wrench
			
Ø12-Ø32	AZ11	L60M2.5×6.5	T08
Ø25-Ø63	AZ16	L60M4×10	T15

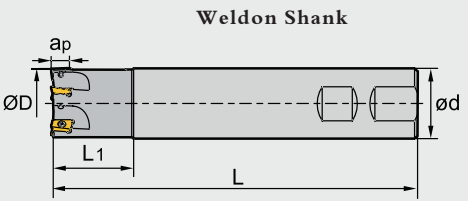
Note: The insert is ZCCCT brand

MILLING TOOLS

Square-Should Milling Tools



EMP11 



Type of Milling Tools

Type		Stock	Dimension (mm)					Tooth Z	Weight (kg)
			ØD	ød	L	L1	apmax		
EMP11 Weldon Shank	012-XP16-AZ11-01	▲	12	16	85	25	10.5	1	0.1
	016-XP16-AZ11-02	▲	16	16	90	25	10.5	2	0.1
	020-XP20-AZ11-02	▲	20	20	100	30	10.5	2	0.2
	025-XP25-AZ11-03	▲	25	25	115	35	10.5	3	0.4
	032-XP32-AZ11-04	▲	32	32	125	40	10.5	4	0.7
	025-XP25-AZ16-02	▲	25	25	115	35	15.5	2	0.4
	032-XP32-AZ16-03	▲	32	32	125	40	15.5	3	0.7
	040-XP32-AZ16-04	▲	40	32	130	42	15.5	4	0.8
	050-XP32-AZ16-05	▲	50	32	135	45	15.5	5	1.0
	063-XP32-AZ16-06	▲	63	32	135	45	15.5	6	1.4

▲ Stock △ Order

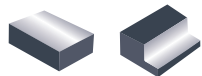
Spare Parts

Diameter ØD	Insert	Screw	Wrench
			
Ø12-Ø32	AZ11	L60M2.5×6.5	T08
Ø25-Ø63	AZ16	L60M4×10	T15

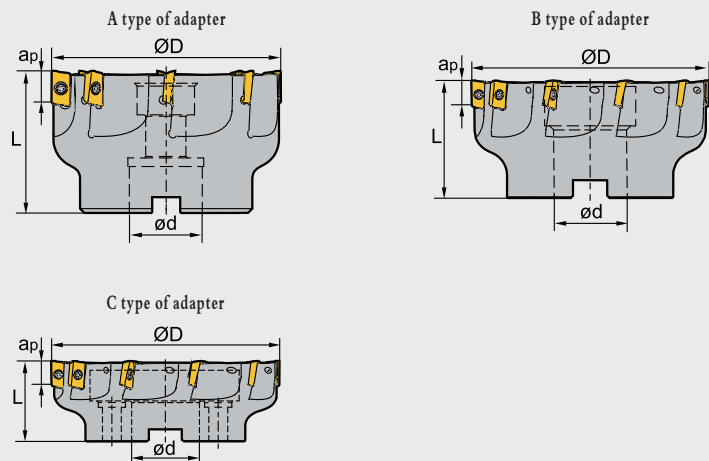
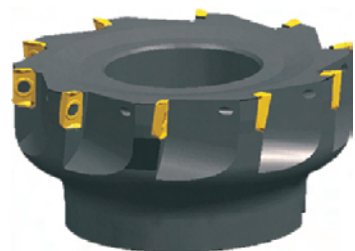
Note: The insert is ZCCCT brand

Square-Should Milling Tools

Kr:90°



EMP12 P M K N



Type of Milling Tools

Type		Stock	Dimension (mm)				Tooth Z	Adapter	Weight (kg)
			ØD	ød	L	apmax			
EMP12	050-A22-AZ11-07	▲	50	22	40	10.5	7	A	0.3
	063-A22-AZ11-08	▲	63	22	40	10.5	8	A	0.6
	080-A27-AZ11-09	▲	80	27	50	10.5	9	A	1.2
	050-A22-AZ16-05	▲	50	22	40	15.5	5	A	0.3
	063-A22-AZ16-06	▲	63	22	40	15.5	6	A	0.5
	080-A27-AZ16-07	▲	80	27	50	15.5	7	A	1.1
	100-B32-AZ16-08	▲	100	32	50	15.5	8	B	1.6
	125-B40-AZ16-10	▲	125	40	63	15.5	8	B	3.2
	160-B40-AZ16-10	▲	160	40	63	15.5	10	B	6.3
	200-C60-AZ16-12	▲	200	60	63	15.5	12	C	8.1

▲ Stock △ Order

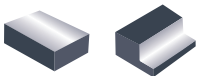
Spare Parts

Diameter ØD	Insert	Screw	Wrench
Ø50-Ø80	AZ11	L60M2.5×6.5	T08T
Ø50-Ø200	AZ16	L60M4×10	T15T

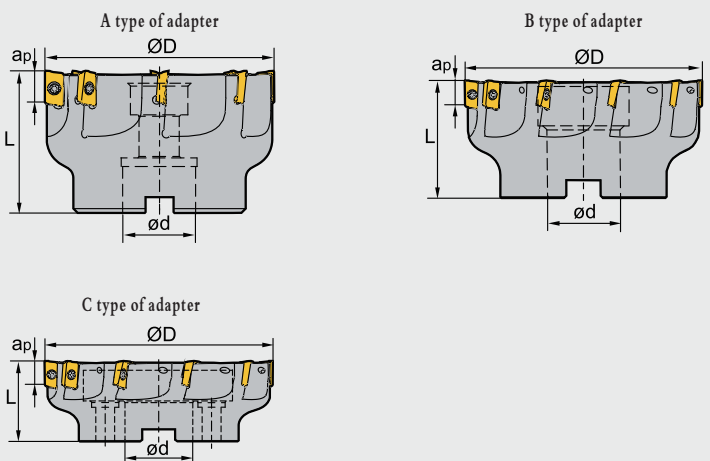
Note: The insert is ZCCCT brand

Square-Should Milling Tools

Kr:90°



EMP12 P M K N



Type of Milling Tools

Type		Stock	Dimension (mm)				Tooth Z	Adapter	Weight (kg)
			ØD	ød	L	apmax			
EMP12	050-A22-AZ11-05	▲	50	22	40	10.5	5	A	0.3
	063-A22-AZ11-06	▲	63	22	40	10.5	6	A	0.6
	080-A27-AZ11-07	▲	80	27	50	10.5	7	A	1.2
	050-A22-AZ16-03	▲	50	22	40	15.5	3	A	0.3
	063-A22-AZ16-04	▲	63	22	40	15.5	4	A	0.5
	080-A27-AZ16-05	▲	80	27	50	15.5	5	A	1.1
	100-B32-AZ16-06	▲	100	32	50	15.5	6	B	1.6
	125-B40-AZ16-07	▲	125	40	63	15.5	7	B	3.2
	160-B40-AZ16-08	▲	160	40	63	15.5	8	B	6.3
	200-C60-AZ16-10	▲	200	60	63	15.5	10	C	8.1

▲ Stock △ Order

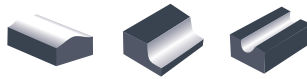
Spare Parts

Diameter ØD	Insert	Screw	Wrench
Ø50-Ø80	AZ11	L60M2.5×6.5	T08T
Ø50-Ø200	AZ16	L60M4×10	T15T

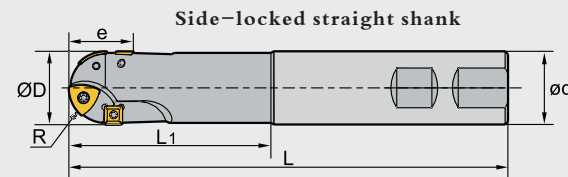
Note: The insert is ZCCCT brand

MILLING TOOLS

Profile Milling tool



BMR01 P M K



Type of Milling Tools

Type		Stock	Dimension (mm)						Applicable Insert				Weight (kg)
			R	ØD	e	ød	L	L ₁	Type	Quantity	Type	Quantity	
BMR01	-020-XP20-S	▲	10	20	20	20	125	50	ZDET08T2CYR10	2	SPMT060304	2	0.3
	-020-XP20-M	▲	10	20	20	20	150	75	ZDET08T2CYR10	2	SPMT060304	2	0.3
	-020-XP20-L	▲	10	20	20	20	200	100	ZDET08T2CYR10	2	SPMT060304	2	0.4
	-025-XP25-S	▲	12.5	25	23	25	150	70	ZDET1103CYR12.5	2	SPMT060304	2	0.5
	-025-XP25-M	▲	12.5	25	23	25	175	95	ZDET1103CYR12.5	2	SPMT060304	2	0.6
	-025-XP25-L	▲	12.5	25	23	25	200	100	ZDET1103CYR12.5	2	SPMT060304	2	0.7
	-032-XP32-S	▲	16	32	31	32	175	85	ZDET13T3CYR16	2	SDMT090308	2	0.9
	-032-XP32-M	▲	16	32	31	32	200	100	ZDET13T3CYR16	2	SDMT090308	2	1.1
	-032-XP32-L	▲	16	32	31	32	250	150	ZDET13T3CYR16	2	SDMT090308	2	1.4
	-040-XP40-S	▲	20	40	41	40	175	85	ZPNT2204CY(R20)	3	SPMT120408	2	1.4
	-040-XP40-M	▲	20	40	41	40	200	100	ZPNT2204CY(R20)	3	SPMT120408	2	1.7
	-040-XP40-L	▲	20	40	41	40	250	150	ZPNT2204CY(R20)	3	SPMT120408	2	2.1
	-050-XP40-S	▲	25	50	45	40	200	100	ZPNT2204CY(R25)	3	SPMT120408	2	1.8
	-050-XP40-M	▲	25	50	45	40	300	100	ZPNT2204CY(R25)	3	SPMT120408	2	2.8
	-063-XP40-S	▲	31.5	63	52	40	200	100	ZPNT2204CY(R31)	4	SPMT120408	2	3.0
	-063-XP40-M	▲	31.5	63	52	40	300	100	ZPNT2204CY(R31)	4	SPMT120408	2	3.5

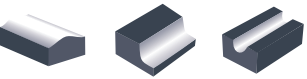
▲ Stock △ Order

Spare Parts

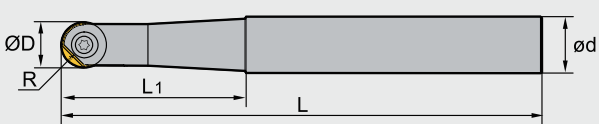
Diameter ØD	Screw		Wrench	
Ø20-Ø25	L43M2.5×5		T08	
Ø32	L43M4×8		—	
Ø40-Ø63	L43M5×11		—	

MILLING TOOLS

Profile Milling tool



BMR02 P M K



Type of Milling Tools

Type		Stock	Dimension (mm)					Weight (kg)
			R	ØD	ød	L	L1	
BMR02	-012-G16-S	▲	6	12	16	110	40	0.1
	-012-G16-M	▲	6	12	16	130	50	0.2
	-012-G16-L	▲	6	12	16	160	50	0.2
	-016-G20-S	▲	8	16	20	140	45	0.3
	-016-G20-M	▲	8	16	20	170	65	0.3
	-016-G20-L	▲	8	16	20	200	65	0.4
	-020-G25-S	▲	10	20	25	160	60	0.5
	-020-G25-M	▲	10	20	25	200	80	0.6
	-020-G25-L	▲	10	20	25	240	80	0.8

▲ Stock △ Order

Spare Parts

Diameter ØD	Applicable Insert		Screw		Wrench	
Ø12	ROHX1203		L90M4×09TT		T10T	
Ø16	ROHX1604		L90M5×11TT		T15T	
Ø20	ROHX2005		L90M5×13.5TT		T15T	