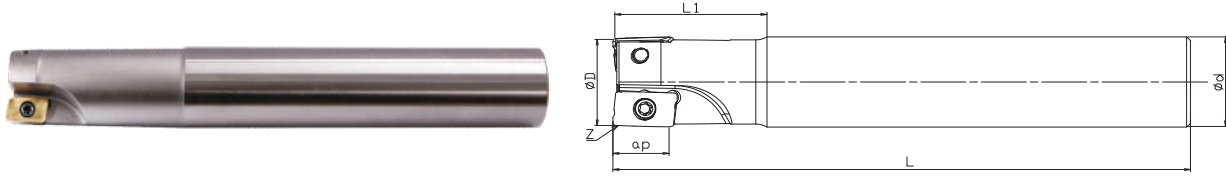


EAP SERIES

EAP Right Angle Shoulder Milling Cutter Bar

- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Suitable for economical inserts, high cost performance.




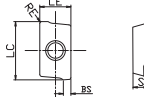
Designation	Size(mm)							Insert	Clamping Screw	Wrench
	D	d	L1	L2	L	Z	Max.a			
EAP300R-C10-10-120L-1T	10	10	30	-	120	1	9	APMT1135	TT1011	TTP11
EAP300R-C10-11-120L-1T	11	10	30	-	120	1	9	APMT1135		
EAP300R-C12-12-130L-1T	12	12	30	-	130	1	9	APMT1135		
EAP300R-C12-13-130L-1T	13	12	30	-	130	1	9	APMT1135		
EAP300R-C16-16-120L-2T	16	16	40	-	120	2	9	APMT1135		
EAP300R-C16-16-150L-2T	16	16	40	-	150	2	9	APMT1135		
EAP300R-C16-16-200L-2T	16	16	40	100	200	2	9	APMT1135		
EAP300R-C15-16-150L-2T	16	15	40	-	150	2	9	APMT1135		
EAP300R-C16-17-150L-2T	17	16	40	-	150	2	9	APMT1135		
EAP300R-C16-17-200L-2T	17	16	40	-	200	2	9	APMT1135		
EAP300R-C20-20-150L-2T	20	20	50	-	150	2	9	APMT1135		
EAP300R-C19-20-150L-2T	20	19	50	-	150	2	9	APMT1135		
EAP300R-C20-20-200L-2T	20	20	50	100	200	2	9	APMT1135		
EAP300R-C19-20-200L-2T	20	19	50	-	200	2	9	APMT1135		
EAP300R-C20-21-150L-2T	21	20	50	-	150	2	9	APMT1135		
EAP300R-C20-21-200L-2T	21	20	50	-	200	2	9	APMT1135		
EAP300R-C25-25-150L-3T	25	25	50	-	150	3	9	APMT1135		
EAP400R-C24-25-150L-2T	25	24	40	-	150	2	14	APMT1604		
EAP400R-C25-25-200L-2T	25	25	75	-	200	2	14	APMT1604		
EAP400R-C24-25-200L-2T	25	24	50	-	200	2	14	APMT1604		
EAP400R-C32-32-150L-3T	32	32	50	-	150	3	14	APMT1604		
EAP400R-C32-32-200L-3T	32	32	80	-	200	3	14	APMT1604		
EAP400R-C32-35-150L-3T	35	32	60	-	150	3	14	APMT1604		
EAP400R-C32-35-200L-3T	35	32	60	-	200	3	14	APMT1604		

EAP SERIES

EAP Right Angle Shoulder Milling Cutter Bar

● Applicable Inserts

		Usage Classification									
		P	Steel	★							
		M	Stainless	☆							
		K	Cast iron	★							
		N	Non-ferrous						★		
		S	Superalloys								
		H	Hard materials		★						
		★ 1st Choice ☆ 2nd Choice									

	Insert	Insert No.	Size(mm)					Coated Carbide				Carbide			
			LC	LE	S	BS	RE	TI960	TH910	TY602	TY622	HC200			
		APMT1135PDER-M2	11.0	6.35	3.50	1.5	0.8	●	●						
		APMT1604PDER-M2	16.5	9.53	4.76	1.7	0.8	●	●						

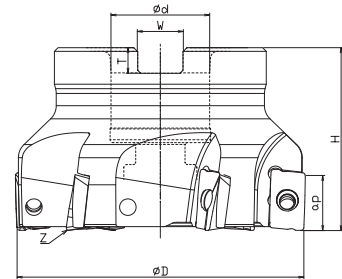
● Recommended Cutting Conditions

ISO	Workpiece material	Hardness	Grade	Cutting Speed		Feed	
				Vc (m/min)	fz (mm/t)		
P	Low Carbon Steel	≤HB180	TY602	120-220	0.15-0.30		
	High Carbon and Alloy Steel	HB180-280		70-150	0.15-0.30		
	Alloy Steel	HB280-350		70-150	0.15-0.30		
M	Stainless Steel	≤HB200		120-200	0.10-0.25		
K	Gray Cast Iron	HB150-250		140-220	0.15-0.30		
	Ductile Cast Iron	HB150-250		150-240	0.15-0.30		
H	Hardened Material	≤HRC50	TH910	40-80	0.10-0.30		

EAP SERIES

EAP Right Angle Shoulder Face Mill


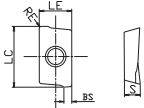
- ★ Suitable for 11° positive angle insert tip.
- ★ Suitable for various types of inserts, applicable to aluminum and steel milling.
- ★ Screw locking, large space for chipping, excellent chip removal performance.
- ★ Cutting smoothly, low resistance.
- ★ Customized aluminium milling cutter is available.



Designation	Size(mm)							Insert	Clamping Screw	Wrench
	D	d	H	W	T	Z	Max.ap			
EAP400R-50-22-4T	50	22	50	10.4	6.3	4	14	APMT1604	TT1016	TTP16
EAP400R-63-22-4T	63	22	50	10.4	6.3	4	14	APMT1604		
EAP400R-80-27-6T	80	27	50	12.4	7	6	14	APMT1604		
EAP400R-100-32-6T	100	32	50	14.4	8	6	14	APMT1604		
EAP400R-125-40-7T	125	40	63	16.4	9	7	14	APMT1604		
EAP400R-160-40-8T	160	40	63	16.4	9	8	14	APMT1604		
EAP400R-200-60-10T	200	60	63	25.7	14	10	14	APMT1604		

Applicable Inserts

Usage Classification	P Steel	M Stainless	K Cast iron	N Non-ferrous	S Superalloys	H Hard materials
★ 1st Choice	★	☆	★			
☆ 2nd Choice				★		

Insert	Insert No.	Size					Coated Carbide				Carbide		
		LC	LE	S	BS	RE	TI960	TH910	TY602	TY622	HC200		
		APMT1604PDER-M2	16.5	9.53	4.76	1.7	0.8	●	●				

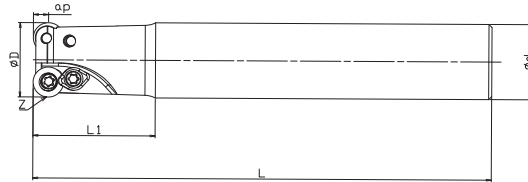
Recommended Cutting Conditions

ISO	Workpiece material	Hardness	Grade	Cutting Speed	Feed
				V _c (m/min)	f _z (mm/t)
P	Low Carbon Steel	≤ HB180	TI960	120-220	0.15-0.30
	High Carbon and Alloy Steel	HB180-280		70-150	0.15-0.30
	Alloy Steel	HB280-350		70-150	0.15-0.30
M	Stainless Steel	≤ HB200		120-200	0.10-0.25
K	Gray Cast Iron	HB150-250		140-220	0.15-0.30
	Ductile Cast Iron	HB150-250		150-240	0.15-0.30
H	Hardened Material	≤ HRC50	TH910	40-80	0.10-0.30

EMR SERIES

EMR Round Dowel Milling Cutter Bar

★ Suitable for a variety of economical inserts, high cost performance

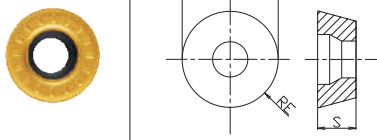


Designation	Size(mm)							Insert	Clamping Screw	Wrench	Clamping Piece
	D	d	L1	L2	L	Z	Max.ap				
EMR 4R-C12-12-130L-1T	12	12	40	-	130	1	4	RPMT08T2	TT1008	TTP08	TTS08
EMR 4R-C12-13-130L-1T	13	12	40	-	130	1	4	RPMT08T2			
EMR 4R-C16-16-150L-2T	16	16	40	-	150	2	4	RPMT08T2			
EMR 4R-C15-16-150L-2T	16	15	40	-	150	2	4	RPMT08T2			
EMR 4R-C16-16-200L-2T	16	16	40	100	200	2	4	RPMT08T2			
EMR 4R-C15-16-200L-2T	16	15	40	-	200	2	4	RPMT08T2			
EMR 4R-C16-17-150L-2T	17	16	40	-	150	2	4	RPMT08T2			
EMR 4R-C16-17-200L-2T	17	16	50	-	200	2	4	RPMT08T2			
EMR 4R-C20-20-150L-2T	20	20	50	-	150	2	4	RPMT08T2			
EMR 4R-C19-20-150L-2T	20	19	50	-	150	2	4	RPMT08T2			
EMR 4R-C20-20-200L-2T	20	20	50	100	200	2	4	RPMT08T2			
EMR 4R-C19-20-200L-2T	20	19	50	-	200	2	4	RPMT08T2			
EMR 4R-C20-21-150L-2T	21	20	50	-	150	2	4	RPMT08T2			
EMR 4R-C20-21-200L-2T	21	20	50	-	200	2	4	RPMT08T2			
EMR 5R-C20-30-110L-2T	30	20	40	-	110	2	5	RPM□10□3	TT1011	TTP10	TTS10
EMR 5R-C20-20-150L-2T	20	20	50	-	150	2	5	RPM□10□3			
EMR 5R-C20-20-200L-2T	20	20	50	100	200	2	5	RPM□10□3			
EMR 5R-C20-21-150L-2T	21	20	50	-	150	2	5	RPM□10□3			
EMR 5R-C20-21-200L-2T	21	20	50	-	200	2	5	RPM□10□3			
EMR 5R-C25-25-150L-2T	25	25	50	-	150	2	5	RPM□10□3			
EMR 5R-C20-25-150L-2T	25	20	50	-	150	2	5	RPM□10□3			
EMR 5R-C24-25-150L-2T	25	24	50	-	150	2	5	RPM□10□3			
EMR 5R-C25-25-200L-2T	25	25	75	-	200	2	5	RPM□10□3			
EMR 5R-C25-25-250L-2T	25	25	60	115	250	2	5	RPM□10□3			
EMR 5R-C20-25-200L-2T	25	20	50	-	200	2	5	RPM□10□3			
EMR 5R-C24-25-200L-2T	25	24	50	-	200	2	5	RPM□10□3			
EMR 5R-C24-25-250L-2T	25	24	50	-	250	2	5	RPM□10□3			
EMR 5R-C25-26-150L-2T	26	25	50	-	150	2	5	RPM□10□3			
EMR 5R-C25-26-200L-2T	26	25	50	-	200	2	5	RPM□10□3			
EMR 5R-C25-26-250L-2T	26	25	50	-	250	2	5	RPMT1204	TT1012	TRP12	TRS12
ERP-6R-C32-32-150L-2T	32	32	50	-	150	2	6	RPMT1204			
ERP-6R-C32-32-200L-2T	32	32	50	-	200	2	6	RPMT1204			
ERP-6R-C32-35-150L-3T	35	32	50	-	150	3	6	RPMT1204			
ERP-6R-C32-35-200L-3T	35	32	50	-	200	3	6	RPMT1204			

EMR SERIES

EMR Round Dowel Milling Cutter Bar

● Applicable Inserts

Insert		Insert No.	Size(mm)			Coated Carbide				Carbide				
			IC	S	RE	TI960	TH910	TY602	TY622	HC200				
		RPMT08T2M0-MT1	8	2.78	4	●								
		RPMW1003MT	10	3.18	5	●	●							
		RPMT10T3MT	10	3.97	5	●	●							
		RPMT1204M0-MT1	12	4.76	6	●	●							

Usage Classification		P	Steel	★										
★1st Choice ☆2nd Choice	M	Stainless	★											
	K	Cast iron	★											
	N	Non-ferrous												
	S	Superalloys												
	H	Hard materials			★									

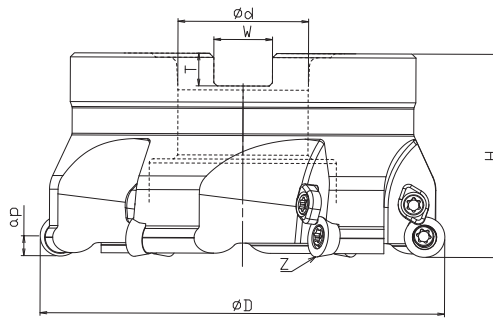
● Recommended Cutting Conditions

ISO	Workpiece material	Hardness	Grade	Cutting Speed		Feed	
				Vc (m/min)	fz (mm/t)		
P	Low Carbon Steel	≤ HB180	TI960	120-220	0.15-0.30		
	High Carbon and Alloy Steel	HB180-280		70-150	0.15-0.30		
	Alloy Steel	HB280-350		70-150	0.15-0.30		
M	Stainless Steel	≤ HB200		120-200	0.10-0.25		
K	Gray Cast Iron	HB150-250		140-220	0.15-0.30		
	Ductile Cast Iron	HB150-250		150-240	0.15-0.30		
H	Hardened Material	≤ HRC50	TH910	40-80	0.22-0.40		

EMR SERIES

EMR Round Dowel Mill

- ★ Suitable for 11° positive angle insert tip
- ★ Working with very economical insert
- ★ Large space for chipping, excellent chip removal performance
- ★ Taper design with high rigidity
- ★ Customized aluminium milling cutter is available

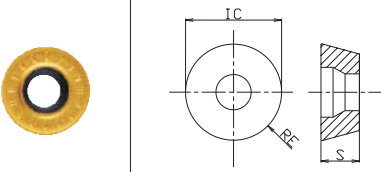


Designation	Size(mm)							Insert	Clamping Screw	Wrench	Clamping Piece
	D	d	H	W	T	Z	Max.ap				
EMR-5R-50-22-4T	50	22	50	10.4	6.3	4	5	RPMW1003 RPMT10T3	TW1010 TT1011	TTP10	TTS10
EMR-5R-63-22-4T	63	22	50	10.4	6.3	4	5				
EMR-5R-80-27-6T	80	27	50	12.4	7	6	5				
EMR-5R-100-32-6T	100	32	50	14.4	7	6	5				
EMR-5R-125-40-7T	125	40	63	16.4	9	7	5				
EMR-5R-160-40-8T	160	40	63	16.4	9	8	5				
ERP-6R-50-22-4T	50	22	50	10.4	6.3	4	6	RPMT1204	TT1012	TRP12	TRS12
ERP-6R-63-22-4T	63	22	50	10.4	6.3	4	6				
ERP-6R-80-27-6T	80	27	50	12.4	7	6	6				
ERP-6R-100-32-6T	100	32	50	14.4	8	6	6				

EMR SERIES

EMR Round Dowel Mill

● Applicable Inserts

Usage Classification		P	Steel	★												
		M	Stainless	★												
★1st Choice ☆2nd Choice		K	Cast iron	★												
		N	Non-ferrous	★					★							
		S	Superalloys													
		H	Hard materials			★										
Insert	Insert No.	Size(mm)			Coated Carbide				Carbide							
		IC	S	RE	TI960	TH910	TY602	TY622	HC200							
	RPMW1003MT	10	3.18	5	●	●										
	RPMT10T3MT	10	3.97	5	●	●										
	RPMT1204M0-MT1	12	4.76	6	●	●										

● Recommended Cutting Conditions

ISO	Workpiece material	Hardness	Grade	Cutting Speed	
				Vc (m/min)	Feed fz (mm/t)
P	Low Carbon Steel	≤HB180	TI960	120-220	0.10-0.35
	High Carbon and Alloy Steel	HB180-280		70-150	0.10-0.35
	Alloy Steel	HB280-350		70-150	0.10-0.35
M	Stainless Steel	≤HB200		120-200	0.10-0.30
K	Gray Cast Iron	HB150-250		140-220	0.15-0.30
	Ductile Cast Iron	HB150-250		150-240	0.15-0.30
H	Hardened Material	≤HRC50	TH910	40-80	0.10-0.30