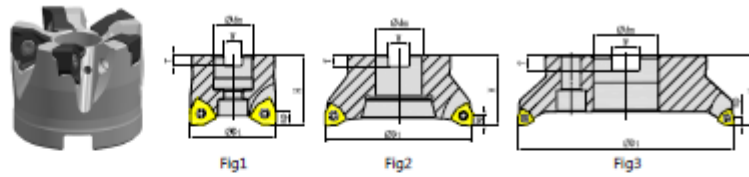


Shoulder Milling

MEE190

Arbor

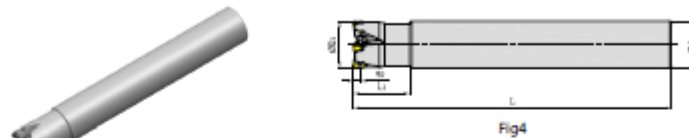


Ordering Code	Diameters	Teeth	Dimensions(mm)					apmax	Gauge Insert	Inner-cooling	Shape	Stock
			ΦD ₁	Φdm	H	W	T					
MEE190050R04A22WN08	50	4	50	22	40	10.4	6.3	7.5	WNGU0806	×	Fig1	●
MEE190050R05A22WN08	50	5	50	22	40	10.4	6.3	7.5	WNGU0806	√	Fig1	●
MEE190063R06A22WN08	63	6	63	22	40	10.4	6.3	7.5	WNGU0806	×	Fig1	●
MEE190080R07A27WN08	80	7	80	27	50	12.4	7	7.5	WNGU0806	×	Fig1	●
MEE190100R08B32WN08	100	8	100	32	50	14.4	8	7.5	WNGU0806	×	Fig2	●
MEE190125R11B40WN08	125	11	125	40	63	16.4	9	7.5	WNGU0806	×	Fig2	●
MEE190160R12C40WN08	160	12	160	40	63	16.4	9	7.5	WNGU0806	×	Fig3	●
MEE190200R16C60WN08	200	16	200	60	63	25.7	14	7.5	WNGU0806	×	Fig3	●

Shoulder Milling

MEE190

Shank



Ordering Code	Diameters	Teeth	Dimensions(mm)				apmax	Gauge Insert	Inner-cooling	Shape	Stock
			ΦD ₁	Φdm	L	L ₁					
MEE190020R03P20WN04	20	3	20	20	150	30	4	WNGU0403	√	Fig4	●
MEE190025R04P25WN04	25	4	25	25	170	30	4	WNGU0403	√	Fig4	●
MEE190032R05P32WN04	32	5	32	32	195	30	4	WNGU0403	√	Fig4	●
MEE190035R05P32WN04	35	5	35	32	195	30	4	WNGU0403	√	Fig4	●
MEE190040R06P32WN04	40	6	40	32	195	30	4	WNGU0403	√	Fig4	●
MEE190040R03P32WN08	40	3	40	32	160	60	7.5	WNGU0806	×	Fig4	●

Recommended Cutting Data

Workpiece Material	Material Hardness	Grade	Cutting Speed	mm/tooth		
				Medium Cutting	Heavy Cutting	
			Vc (m/min)	GM	GH	
P	Low Carbon Steel	≤ HB180	GA4225 GA4230 GP4225 GP2115	180 (150-220)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
	Carbon Steel, Alloy Steel	HB180- 350	GA4225 GA4230 GP4225 GP2115	150 (120-200)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
	Per-hardened Steel	HRC35-45	GA4225 GA4230 GP4225 GP2115	150 (120-200)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
M	Stainless Steel (Ferrite, Martensite)	≤ HB270	GA4225 GA4230 GM2140	140 (100-160)	0.15 (0.1-0.2)	0.2 (0.1-0.3)
	Stainless Steel (Austenite, Diphasic)	≤ HB270	GA4225 GA4230 GM2140	140 (100-160)	0.15 (0.1-0.2)	0.2 (0.1-0.3)
K	Grey Cast Iron	≤ HB280	GA4230 GK4125 GK2115	180 (150-220)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
	Nodular Cast Iron Vermicular Cast Iron	≤ HB350	GA4230 GK4125 GK2115	120 (100-180)	0.15 (0.1-0.2)	0.2 (0.1-0.25)