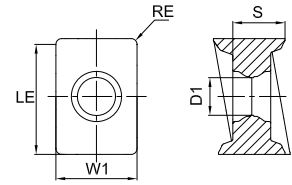





Shoulder Milling

ANKX







Curved Edge Shoulder Milling Insert



Ordering Code	Dimension(mm)					Coating Grade										Uncoated	Cermat			
	LE	W1	S	D1	RE	GA4225	GA4230	GA4325	GA4330	GP4225	GP2115	GM4135	GM2140	GK4125	GK2115			GS4130	GH4115	GN9125
	ANKX120704R-GL	11.6	10	8	4.6	0.4	●	●		●		○	○	○		○				
	ANKX160708R-GL	15.2	11.2	7.9	5.2	0.8	○	○		●		○	○	○	○	○				
	ANKX120708R-GM	11.2	10	8	4.6	0.8	●	●		●	○	○	●	○	○					
	ANKX160708R-GM	15.2	11.2	7.9	5.2	0.8	●	●		●	○	●	●	●	○					
	ANKX160716R-GM	14.4	11.2	7.9	5.2	1.6	●	●			○	○	○	●	○					
	ANKX160716R-GH	14.4	11.2	7.9	5.2	1.6			●	○				●						

● Stock ○ Available Upon Order

ANKX Series Geometry

Light Cutting for General Material	Medium Cutting for General Material	Heavy Cutting for General Material
		
GL	GM	GH
		
Light cutting of low cutting force, good processing quality.	High stability in most cases.	Suitable on roughing, good edge strength.

Shoulder Milling

MEC190

Arbor

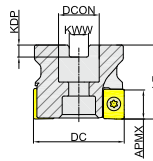


Fig1

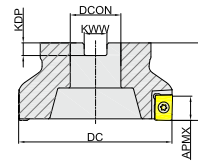


Fig2

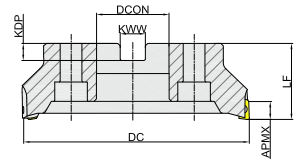


Fig3

Ordering Code	Dia-meter	Teeth	Dimension(mm)					APMX	Suitable for	Coolant	Shape	Stock
			DC	DCON	LF	KWW	KDP					
MEC190050R04A22AN12	50	4	50	22	40	10.4	6.3	9	ANKX1207	✓	Fig1	●
MEC190050R04A22AN16	50	4	50	22	40	10.4	6.3	14	ANKX1607	✓	Fig1	●
MEC190063R05A22AN12	63	5	63	22	40	10.4	6.3	9	ANKX1207	✓	Fig1	●
MEC190063R05A22AN16	63	5	63	22	40	10.4	6.3	14	ANKX1607	✓	Fig1	●
MEC190080R05A27AN16	80	5	80	27	50	12.4	7	14	ANKX1607	✓	Fig1	●
MEC190080R06A27AN16	80	6	80	27	50	12.4	7	14	ANKX1607	✓	Fig1	●
MEC190100R07B32AN16	100	7	100	32	50	14.4	8	14	ANKX1607	×	Fig2	●
MEC190100R08B32AN16	100	8	100	32	50	14.4	8	14	ANKX1607	×	Fig2	●
MEC190125R10B40AN16	125	10	125	40	63	16.4	9	14	ANKX1607	×	Fig2	●
MEC190160R12C40AN16	160	12	160	40	63	16.4	9	14	ANKX1607	×	Fig3	●
MEC190200R14C60AN16	200	14	200	60	63	25.7	14	14	ANKX1607	×	Fig3	●

● Stock ○ Available Upon Order

MEC190

Side Clamp Type

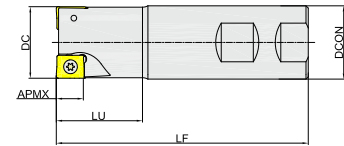


Fig4

Ordering Code	Dia-meter	Teeth	Dimension(mm)				APMX	Suitable for	Coolant	Shape	Stock
			DC	DCON	LF	LU					
MEC190032R02W32AN12	32	2	32	32	110	40	9	ANKX1207	×	Fig4	●
MEC190032R02W32AN16	32	2	32	32	150	40	14	ANKX1607	×	Fig4	●
MEC190032R02W32AN16L	32	2	32	32	200	54	14	ANKX1607	×	Fig4	●
MEC190032R03W32AN16	32	3	32	32	150	40	14	ANKX1607	×	Fig4	●
MEC190032R03W32AN16L	32	3	32	32	200	56	14	ANKX1607	×	Fig4	●
MEC190040R03W32AN12	40	3	43	32	130	40	9	ANKX1207	✓	Fig4	●
MEC190040R03W32AN16	40	3	40	32	150	47	14	ANKX1607	✓	Fig4	●

● Stock ○ Available Upon Order

Shoulder Milling

MHC190

Corn Milling Cutter Body MHC190-Arbor

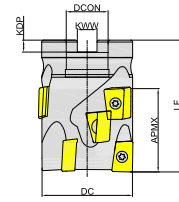


Fig5

Ordering Code	Dia-meter	Teeth	Dimension(mm)					APMX	Suitable for	Coolant	Shape	Stock
			DC	DCON	LF	KWW	KDP					
MHC190050R03A22AN12	50	3/12	50	22	70	10.4	6.3	43	ANKX1207	✓	Fig5	●
MHC190050R03A22AN16	50	3/9	50	22	70	10.4	6.3	43	ANKX1607	✓	Fig5	●
MHC190063R04A27AN12	63	4/16	63	27	70	12.4	6.3	43	ANKX1207	✓	Fig5	●
MHC190063R04A27AN16	63	4/12	63	27	85	12.4	6.3	57	ANKX1607	✓	Fig5	●
MHC190080R05A32AN16	80	5/15	80	32	85	14.4	7	57	ANKX1607	✓	Fig5	●

● Stock ○ Available Upon Order

MHC190

Corn Milling Cutter Body MHC190-Side Clamp Type

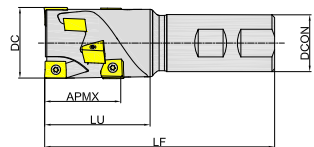

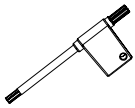
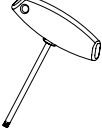


Fig6

Ordering Code	Dia-meter	Teeth	Dimension(mm)				APMX	Suitable for	Coolant	Shape	Stock
			DC	DCON	LF	LU					
MHC190040R02W32AN12	40	2/8	40	32	130	66	43	ANKX1207	✓	Fig6	●

● Stock ○ Available Upon Order

Spare Parts

Part Name		Inserts Screw	Insert Screw Wrench	
Inserts	Shape			
	ANZX1207	Specification SI60M3.5X12-05314 Ordering Code SI60M035120-05314S	TT15P TT15PQ	TT15T TT15TQ
ANZX1607	Specification SI60M4.5X12-06412 Ordering Code SI60M045120-06412S	TT20P TT20PQ	TT20T TT20TQ	

Recommended Cutting Data

Workpiece	Hardness	Grade	Specification	Ap (mm)	Cutting Speed Vc(m/min)	Feed Rate/Edges fz(mm)			
						Light Cutting(L)	Medium Cutting(M)	Heavy Cutting(H)	
P	Soft Steel	≤ HB180	GA4225 GA4230	ANZX1207	2.7	180 (140-220)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
				ANZX1607			4.2	0.15 (0.1-0.2)	0.25 (0.15-0.35)
	Carbon Steel, Alloy Steel	HB180-350	GA4225 GA4230 GP2115	ANZX1207	2.7	150 (110-190)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
				ANZX1607			4.2	0.15 (0.1-0.2)	0.25 (0.15-0.35)
	Pre-harden Steel	HRC35-45	GA4230 GA4225 GP2115	ANZX1207	2.7	150 (110-190)	0.08 (0.05-0.15)	0.1 (0.05-0.15)	0.15 (0.1-0.2)
				ANZX1607			4.2	0.1 (0.05-0.15)	0.15 (0.1-0.2)
M	Stainless (Ferrite, Martensite)	≤ HB270	GM2140 GM4135 GA4230	ANZX1207	2.7	140 (100-180)	0.12 (0.1-0.2)	0.15 (0.1-0.2)	0.2 (0.1-0.3)
				ANZX1607			4.2	0.15 (0.1-0.2)	0.25 (0.15-0.35)
	Stainless (Austenite, Diphasic)	≤ HB270	GM2140 GM4135	ANZX1207	2.7	120 (80-160)	0.1 (0.05-0.15)	0.12 (0.1-0.2)	0.15 (0.1-0.2)
				ANZX1607			4.2	0.12 (0.1-0.2)	0.15 (0.1-0.2)
K	Grey Cast Iron	≤ HB280	GK2115 GK4125	ANZX1207	2.7	180 (150-220)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
				ANZX1607			4.2	0.15 (0.1-0.2)	0.25 (0.1-0.4)
	Nodular Cast Iron, Vermicular Graphite Cast Iron	≤ HB350	GK4125 GK2115	ANZX1207	2.7	120 (100-180)	0.1 (0.05-0.15)	0.1 (0.05-0.15)	0.2 (0.1-0.25)
				ANZX1607			4.2	0.15 (0.1-0.2)	0.25 (0.15-0.35)
S	Heat-resistant Alloy and Titanium Alloy	HRC30-45	GS4130	ANZX1207	2.7	60 (50-100)	0.08 (0.05-0.15)	0.08 (0.05-0.15)	0.1 (0.05-0.15)
				ANZX1607			4.2	0.1 (0.05-0.15)	0.1 (0.05-0.15)