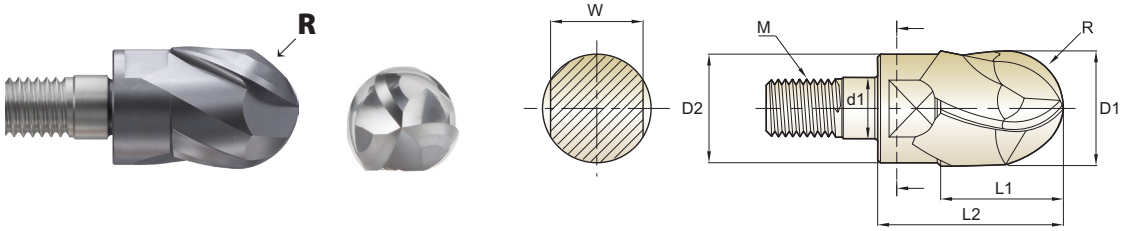
i-Smart MODULAR END MILLS

XSEME59 SERIES

CARBIDE MODULAR HEAD, 3 FLUTE BALL NOSE (Center Match)

Vollhartmetall, 3 Schneiden mit Stirnradius (Schneiden Mittelpunkt)
CARBURE TÊTE MODULAIRE, 3 DENTS À BOUT HÉMISPHÉRIQUE (Coupe au Centre)
TESTINA MODULARE IN MD, 3 TAGLIENTI, SEMISFERICA



CARBIDE | 3 | 30° | R ±0.01 | Y Coating | p.C80

Recommended ToolHolder: Plain Shank — POWER MILLING CHUCK / ER COLLET CHUCK

Unit : mm

EDP No.	Radius of Ball Nose	Mill Diameter	Neck Diameter	Length of Cut	Length Below Shank	Wrench Width	Coupling Diameter	Thread
Y-COATED	R	D_1	D_2	L_1	L_2	W	d_1	M
XSEME59100	R5.0	**10.0**	9.2	10	17.5	8	6.5	M6
XSEME59120	R6.0	**12.0**	11.2	12	20.5	10	6.5	M6
XSEME59160	R8.0	**16.0**	15.0	16	25.5	13	8.5	M8
XSEME59200	R10.0	**20.0**	19.0	20	30.0	17	10.5	M10
XSEME59250	R12.5	**25.0**	24.0	25	37.0	22	12.5	M12
XSEME59300	R15.0	**30.0**	29.0	30	43.0	27	17.0	M16
XSEME59320	R16.0	**32.0**	31.0	32	45.0	27	17.0	M16

Radius Tolerance(mm)	Mill Dia. Tolerance(mm)
± 0.01	0 ~ - 0.02

◎ : Excellent ○ : Good

ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommend	○	○	○	◎	◎	○	◎	◎	◎	○	◎				○	○	○	○	○	○

ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommend																		○	○	◎	○