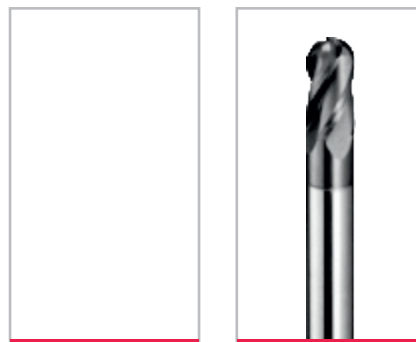


XB Star 4 (≤ 60 HRC) LS

Ball Nose End Mills - Long Shank Series



X
60
Series

Article No.	Dimension (mm)					
	4 Flute	$\varnothing d1$ h10	$\varnothing d2$ h6	L2	L1	AT-coated
XB4-SBM 4010 LS 75		R0.50	4	2	75	■
XB4-SBM 4015 LS 75		R0.75	4	3	75	■
XB4-SBM 4020 LS 75		R1.00	4	4	75	■
XB3-SBM 4030 LS 75		R1.50	3	6	75	■
XB4-SBM 4030 LS 75		R1.50	4	6	75	■
XB4-SBM 4040 LS 75		R2.00	4	8	75	■
XB4-SBM 4040 LS 100		R2.00	4	8	100	■
XB5-SBM 4050 LS 75		R2.50	5	10	75	■
XB5-SBM 4050 LS 100		R2.50	5	10	100	■
XB6-SBM 4020 LS 75		R1.00	6	4	75	■
XB6-SBM 4030 LS 75		R1.50	6	6	75	■
XB6-SBM 4040 LS 75		R2.00	6	8	75	■
XB6-SBM 4050 LS 75		R2.50	6	10	75	■
XB6-SBM 4060 LS 75		R3.00	6	12	75	■
XB6-SBM 4040 LS 100		R2.00	6	8	100	■
XB6-SBM 4050 LS 100		R2.50	6	10	100	■
XB6-SBM 4060 LS 100		R3.00	6	12	100	■
XB8-SBM 4080 LS 75		R4.00	8	16	75	■
XB8-SBM 4080 LS 100		R4.00	8	16	100	■
XB10-SBM 4100 LS 100		R5.00	10	20	100	■
XB10-SBM 4100 LS 150		R5.00	10	20	150	■
XB12-SBM 4120 LS 100		R6.00	12	24	100	■
XB12-SBM 4120 LS 150		R6.00	12	24	150	■
XB16-SBM 4160 LS 150		R8.00	16	32	150	■
XB20-SBM 4200 LS 150		R10.0	20	40	150	■

Steel	$R_m < 850$	■
	$R_m 850-1300$	■
	$R_m 1300-1500$	■
M	Stainless Steel	■
K	Cast Iron	□
N	Copper	□
S	Titanium	□
Hardened Steel	HRC 48-55	■
	HRC 56-60	■
	HRC > 65	□

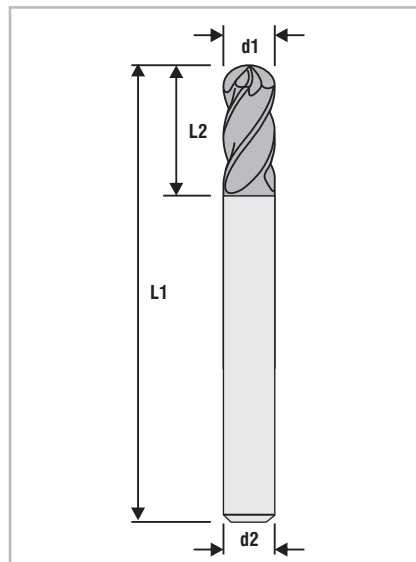
LS
SERIES

AT
COATING

λ **30°**

SMG
0.4 μ m

BALL
End Mills



■ Available ex stock / subject to prior sale
SMG - Super-Fine Micron Grade
LS - Long Shank for deep reach moulds and dies

Tolerance	
Diameter	Range
$1 \leq d < 8$	0 / -0.02
$8 \leq d < 18$	0 / -0.03
$20 \leq d$	0 / -0.04