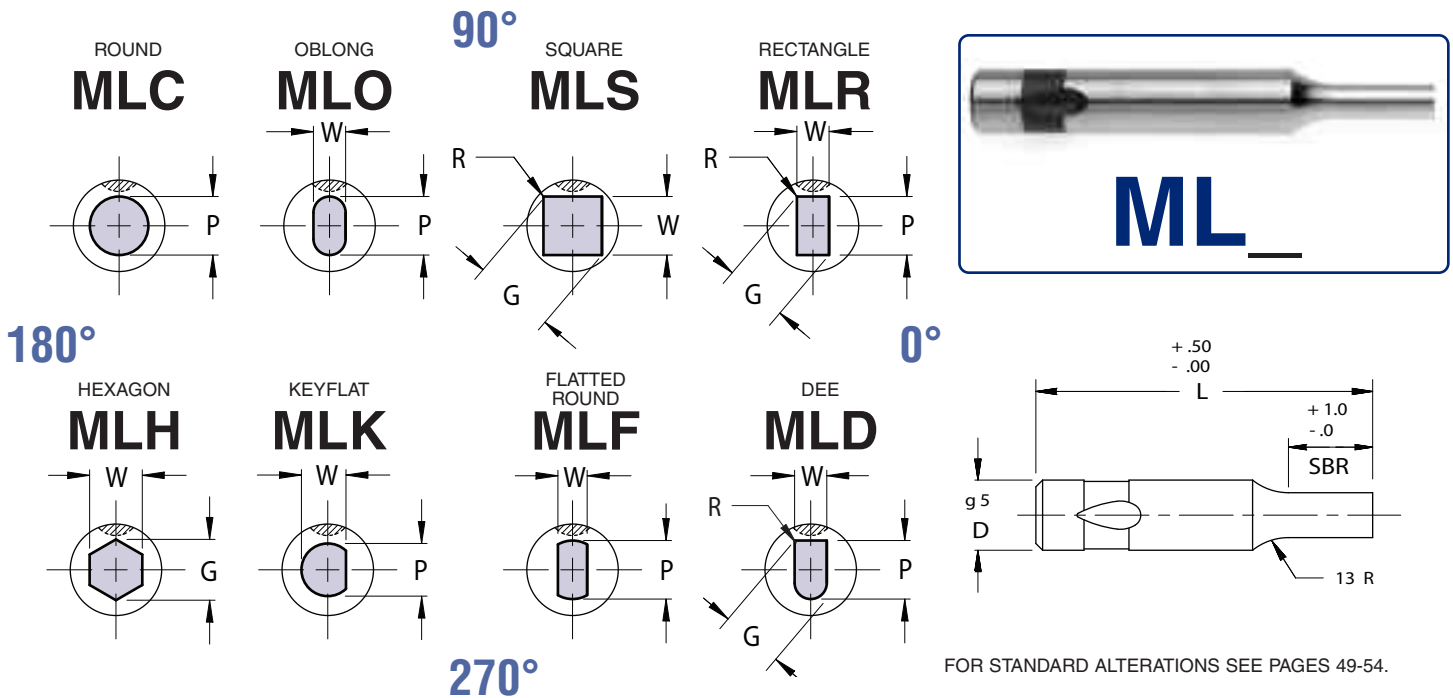


BALL LOCK PUNCHES



LIGHT DUTY/SOLID



FOR STANDARD ALTERATIONS SEE PAGES 49-54.

VIEWS ARE SHOWN LOOKING THROUGH THE SHANK BUT DRAWN WITH SOLID LINES FOR CLARITY.

CATALOG TYPE	SHANK DIA D	ROUND	SHAPE		OVERALL LENGTH "L"				
		RANGE P	MIN W	MAX G/P	63	71	80	90	100
ML_06	6	2.20 - 5.98	2.20	6.00	X	X	X	X	X
ML_10	10	2.50 - 9.98	2.50	10.00	X	X	X	X	X
ML_13	13	5.00 - 12.98	4.50	13.00	X	X	X	X	X
ML_16	16	8.00 - 15.98	6.00	16.00	X	X	X	X	X
ML_20	20	12.00 - 19.98	8.00	20.00	X	X	X	X	X
ML_25	25	16.00 - 24.98	10.00	25.00	X	X	X	X	X

Material
Steel: M2, RC 60-63

Standard Point Tolerance

Round P $\begin{matrix} +.01 \\ -.00 \end{matrix}$ ⊙ .01 P to D

Shape P, W $\pm .01$ ⊙ .02 P to D

When P = D Shank Tolerances Apply

CATALOG TYPE	SHANK D	SBR		
		NAPMA STD	ALTERNATES	
			B	C
ML_06	6	13	10	—
ML_10	10	19	10	—
ML_13	13	19	13	25
ML_16	16	19	13	25
ML_20	20	19	13	25
ML_25	25	19	13	25

L=63 SBR MAX=19

STANDARD BALL SEAT LOCATION IS AT 90° AS SHOWN. AVAILABLE AT 0°, 180°, 270°, FOR SAME PRICE.