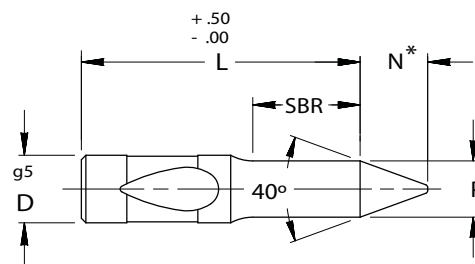


# BALL LOCK PILOTS



## HEAVY DUTY

LONG LEAD STYLE



\* N BECOMES 1.2 X P MIN WHEN P IS BELOW (SEE CHART)

**ORDER EXAMPLE:**

(Reference page 4)  
 SPECIFY: QTY: TYPE "D" "L" POINT "P"  
 DIMENSION  
 EXAMPLE: 6 MHA 25 100 B 20.0

Note: When ordering, standard quantity breaks are: 1, 2-3, 4-11, 12-23, 24-49, 50-99

Complete design & CAD files visit [WWW.MOELLERMCAD.COM](http://WWW.MOELLERMCAD.COM)

FOR STANDARD ALTERATIONS SEE PAGES 59-63.

CATALOG TYPE	SHANK DIA D	RANGE P	N	P BELOW SEE NOTE*	LENGTH "L"						
					80	90	100	110	125	140	150
MHA 10	10	5.90 - 10.00	8	5.64	X	X	X	X	X		
MHA 13	13	9.90 - 13.00	10	7.11	X	X	X	X	X	X	
MHA 16	16	12.90 - 16.00	15	10.74	X	X	X	X	X	X	X
MHA 20	20	15.90 - 20.00	20	14.38	X	X	X	X	X	X	X
MHA 25	25	19.90 - 25.00	25	18.00	X	X	X	X	X	X	X
MHA 32	32	24.90 - 32.00	30	21.67	X	X	X	X	X	X	X
MHA 40	40	31.90 - 40.00	40	28.96	X	X	X	X	X	X	X

**Material**  
 Steel: M2, HRC 60-63

**Standard Point Tolerance**

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

.01 P to D

When P = D Shank Tolerances Apply

CATALOG TYPE	SHANK D	SBR		
		NAPMA STD	ALTERNATES	
			B	C
MHA 10	10	19	32	L MINUS 48
MHA 13	13	19	32	
MHA 16	16	25	38	
MHA 20	20	25	38	
MHA 25	25	25	38	
MHA 32	32	25	38	
MHA 40	40	30	45	