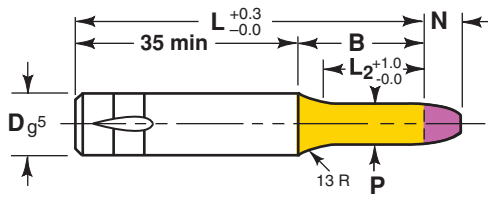


Regular Pilot-HBP Type

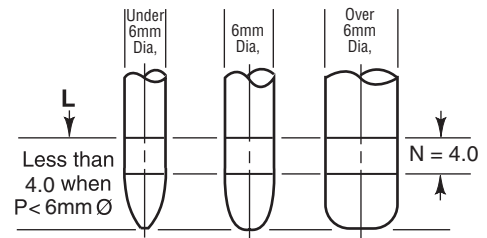


B & L Lengths do not include Pilot Tip N

Ordering Example:

Qty Steel Type Code L₂/L P
15 M2 HBP 016 1582 x 9.25

B & L Lengths do not include Pilot Tip N

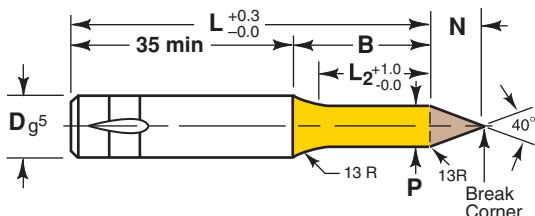


D	Shank Pilot Type	Lengths L ₂			Lengths L						N Dim.	Round Range P	
		Std.	Alt.	Alt.	65	73	82	92	102	112			127
10	HBP010	21	12		●	●	●	●	●	●		4.0	2.05 – 9.97
13	HBP013	21	15	27	◆	●	●	●	●	●	●	4.0	4.95 – 12.97
16	HBP016	21	15	27	◆	●	●	●	●	●	●	4.0	7.95 – 15.97
20	HBP020	21	15	27	◆	●	●	●	●	●	●	4.0	11.95 – 19.97
25	HBP025	21	15	27	◆	●	●	●	●	●	●	4.0	15.95 – 24.97
32	HBP032	21	15	27	◆	●	●	●	●	●	●	4.0	23.95 – 31.97
40	HBP040	27	21	32		●	●	●	●	●		4.0	29.95 – 39.97

Steel: M2 Rc 60-63
TOLERANCES
 P $\begin{matrix} +0.01 \\ -0.00 \end{matrix}$ Ⓢ 0.01 P to D
 Manufactured to ISO and NAPMA standards where applicable.

◆ = L₂, 27 not available

Angular Pilot-HBAP Type

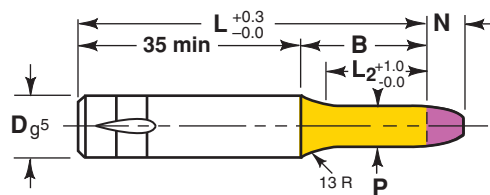


B & L Lengths do not include Pilot Tip N

Ordering Example:

Qty Steel Type Code L₂/L P
19 M2 HBAP 010 1980 x 7.77

Long Parabolic Locator Pilot-HBLP Type



B & L Lengths do not include Pilot Tip N

Ordering Example:

Qty Steel Type Code L₂/L P
6 M2 HBLP 040 4590 x 34.50

D	Shank Pilot Type	Lengths L ₂		Lengths L					N Dim.	Round Range P	Piloti Type
		Std.	Alt.	80	90	100	110	125			
10	HBAP010	19	32	●	●	●	●		8	5.00 – 9.97	HBLP010
13	HBAP013	19	32	●	●	●	●	●	10	9.00 – 12.97	HBLP013
16	HBAP016	25	38	◆	●	●	●	●	15	12.00 – 15.97	HBLP016
20	HBAP020	25	38	◆	●	●	●	●	20	15.00 – 19.97	HBLP020
25	HBAP025	25	38	◆	●	●	●	●	25	19.00 – 24.97	HBLP025
32	HBAP032	25	38	◆	●	●	●		30	24.00 – 31.97	HBLP032
40	HBAP040	30	45	◆	◆				40	30.00 – 39.97	HBLP040

◆ = L₂, 27 not available ◆ = L₂, 42 max

Standard Alterations are changes that are beyond the ranges listed in the catalog that can be altered for a minimal charge. See page 37.