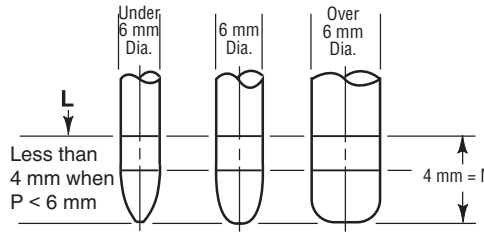
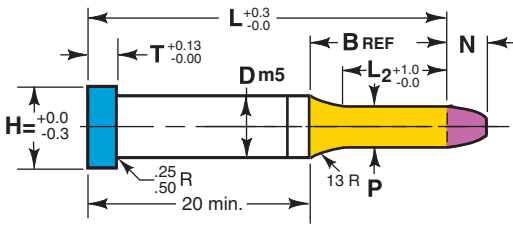


PORTER Standard Headed Pilots

Regular Parabolic Pilot-SP Type



Steel: D2 L ≤ 100 OAL
M2 Rc 60-63 PM4, Rc 63-65
Heads Rc 40-55 (25mm Ø and smaller and L ≥ 50)

TOLERANCES

Round P $+0.01$ -0.00 ◎ 0.01 P to D

Manufactured to ISO and NAPMA standards where applicable.

B & L Lengths do not include Pilot Tip N

Headless Punch Pilots are also available.

Ordering Example: Qty Steel Type Code L₂/L P
 13 M2 SP 010 2182 x 7.55

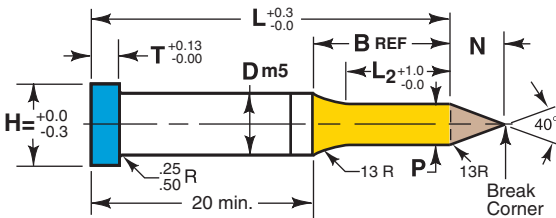
To order call out: Regular Pilot = HRP
 Locator Pilot = HLP
 Angular Pilot = HAP

Shank D	Pilot Type	Head		L ₂		Lengths L										N Dim	Round Range P	
		H	T	Std	Alt	47	52	58	62	72	73	82	92	102	112			127
4	SP004	7	5	10	15	◆	◆	◆	◆	◆	◆	◆	◆				4.0	1.55 – 4.00
5	SP005	8	5	15	21	◆	◆	◆	◆	◆	◆	◆				4.0	1.55 – 5.00	
6	SP006	9	5	15	21	◆	◆	◆	◆	◆	◆	◆				4.0	2.45– 6.00	
8	SP008	11	5	21	27		◆	◆	◆	◆	◆	◆	◆	◆	◆	4.0	3.15 – 8.00	
10	SP010	13	5	21	27		◆	◆	◆	◆	◆	◆	◆	◆	◆	4.0	4.45 – 10.00	
13	SP013	16	5	21	27		◆	◆	◆	◆	◆	◆	◆	◆	◆	4.0	5.95 – 13.00	
16	SP016	19	5	21	27		◆	◆	◆	◆	◆	◆	◆	◆	◆	4.0	7.95 – 16.00	
20	SP020	23	5	21	27		◆	◆	◆	◆	◆	◆	◆	◆	◆	4.0	9.95 – 20.00	
25	SP025	28	5	21	27		◆	◆	◆	◆	◆	◆	◆	◆	◆	4.0	12.00 – 25.00	
32	SP032	35	5	27	32					◆	◆	◆	◆	◆	◆	4.0	16.00 – 32.00	

All Lengths 110 mm and under in Light Blue Panel have Hot Forged Heads for added strength and toughness

◆ Only available in Standard Point length, ◆◆ These sizes also available in PM4 material.

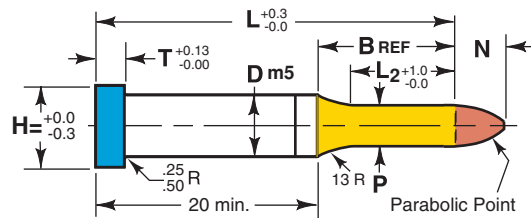
Angular Pilot-SAP Type



B & L Lengths do not include Pilot Tip N

Ordering Example: Qty Steel Type Code L₂/L P
 6 M2 SAP 025 27102 x 20.05

Long Parabolic Locator Pilot-SLP Type



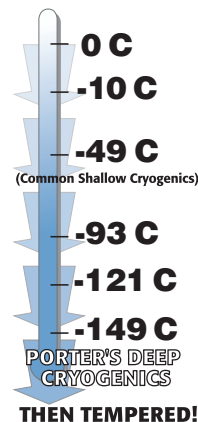
B & L Lengths do not include Pilot Tip N

Ordering Example: Qty Steel Type Code L₂/L P
 10 D2 SLP 016 2192 x 12.15

Shank D	Pilot Type	Head		L ₂		Lengths L							N Dim.	Round Range P	Pilot Type	
		H	T	Std	Alt	65	72	73	82	92	102	112				127
8		11	5	21	27	◆	◆	◆	◆	◆	◆	◆	◆	7	2.45 – 8.00	SLP008
10	SAP010	13	5	21	27	◆	◆	◆	◆	◆	◆	◆	◆	8	4.85 – 10.00	SLP010
13	SAP013	16	5	21	27	◆	◆	◆	◆	◆	◆	◆	◆	10	6.30 – 13.00	SLP013
16	SAP016	19	5	21	27	◆	◆	◆	◆	◆	◆	◆	◆	15	9.95 – 16.00	SLP016
20	SAP020	23	5	21	27	◆	◆	◆	◆	◆	◆	◆	◆	20	13.60 – 20.00	SLP020
25	SAP025	28	5	21	27	◆	◆	◆	◆	◆	◆	◆	◆	25	17.25 – 25.00	SLP025
32	SAP032	35	5	21	32	◆	◆	◆	◆	◆	◆	◆	◆	30	20.85 – 32.00	SLP032

◆ These sizes also available in PM4 material.

All Lengths 110 mm and under in Light Blue Panel have Hot Forged Heads for added strength and toughness



All Porter Standard Punches up to 25mm Dia. are "Deep Cryogenically" treated for
 1. Wear
 2. Toughness
 3. Dimensional Stability
 See page 42 for more details.

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