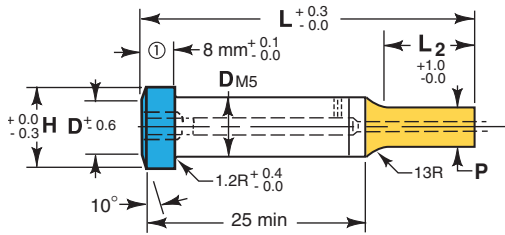
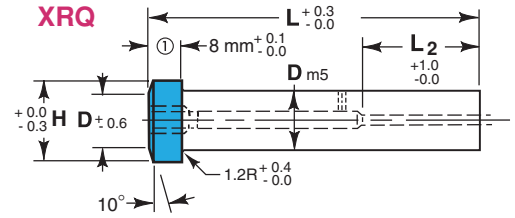


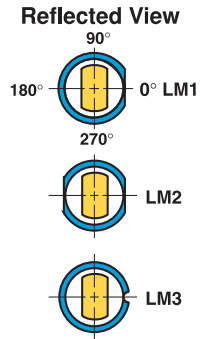
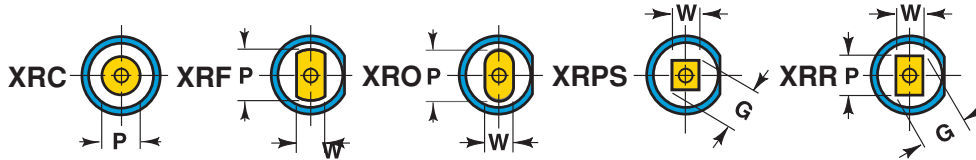
PORTER Xtreme Retrako Punches (XR-)



Steel: PM4 Rc 60-63
Heads Rc 40-55
TOLERANCES
 Round P $\begin{matrix} +0.01 \\ -0.00 \end{matrix}$ P to D
 Shape P, W ± 0.01 P, W to D
 Manufactured to ISO and NAPMA standards where applicable.
 Back Draft 0.1/100mm L2 max.



Ordering Example: Qty Type Code L₂/L P
 8 XRC 013 1380 6.90

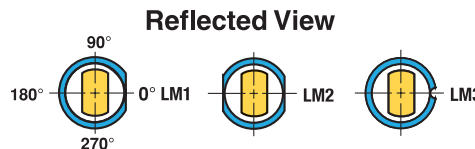
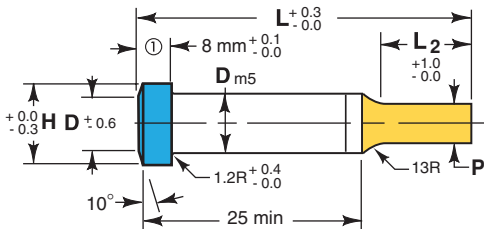


Shank		Head H mm	Point Length L ₂		Lengths L						Round Pt Range P	Shapes		Replacement Retrako Kit*
D mm	Code No.		Std	Alt	50	60	70	80	90	100		Min W	Max P/G	
8	008	13	13	19	●	●	●	●	●	●	4.00 - 7.99	4.00	8.00	K4M
10	010	15	13	19	●	●	●	●	●	●	5.00 - 9.99	5.00	10.00	K6M
13	013	18	13	19	●	●	●	●	●	●	6.00 - 12.99	6.00	13.00	K6M
16	016	21	19	25	●	●	●	●	●	●	10.00 - 15.99	6.00	16.00	K9M
20	020	25	19	25	●	●	●	●	●	●	13.00 - 19.99	6.00	20.00	K9M
25	025	30	19	25	●	●	●	●	●	●	18.00 - 24.99	6.00	25.00	K9M

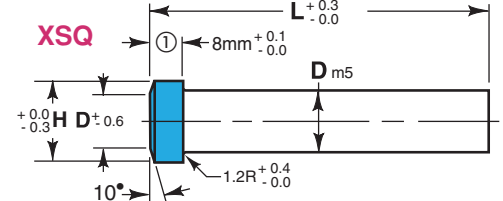
① Add PRT to callout. for +0.01 -0.00 ● = When L = 50mm L₂ will be furnished as 8mm
 *Retrako Kits available see page 36 for details.

Optional Locating Methods See Page 38 for details and options.

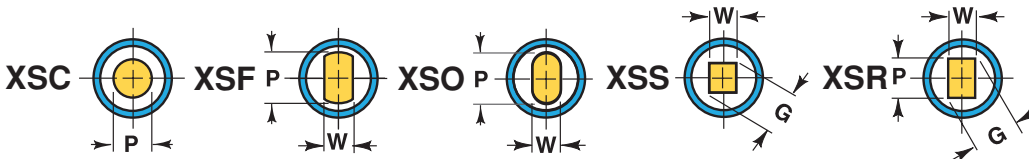
PORTER Xtreme Standard Punches (XS-)



Optional Locating Methods See Page 38 for details and options.

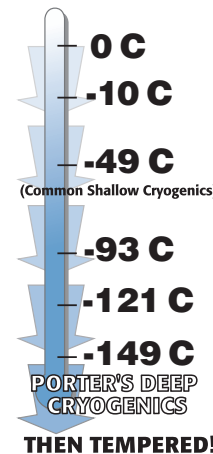


Ordering Example: Qty Type Code L₂/L W P
 12 XSO 020 1990 8.50 x 15.00



Shank		Head H mm	Point Length L ₂		Lengths L						Round Point Range P	Shapes	
D mm	Code No.		Std	Alt	50	60	70	80	90	100		Min. W	Max P/G
8	008	13	13	19	●	●	●	●	●	●	3.00 - 7.99	3.00	8.00
10	010	15	13	19	●	●	●	●	●	●	3.00 - 9.99	3.00	10.00
13	013	18	13	19	●	●	●	●	●	●	6.00 - 12.99	3.00	13.00
16	016	21	19	25	●	●	●	●	●	●	10.00 - 15.99	4.00	16.00
20	020	25	19	25	●	●	●	●	●	●	13.00 - 19.99	5.00	20.00
25	025	30	19	25	●	●	●	●	●	●	18.00 - 24.99	6.00	25.00

① Add PRT to callout. for +0.01 -0.00 ● = When L = 50mm L₂ will be furnished as 8mm



All Porter Xtreme Punches 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.

For additional standard forms and configurations see pages 32 and 33.