

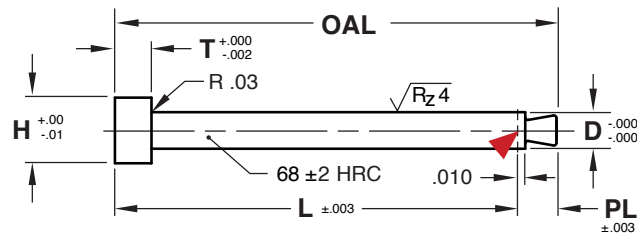


PULLER PINS™ FOR 3-PLATE RUNNERS

Pin Length Selection Chart

G Plate Thickness	L for 7/8" Plate	L for 1-3/8" Plate
1-3/8	1.813	2.313
1-7/8	2.313	2.813
2-3/8	2.813	3.313

Note: Standard "L" provides .010 protrusion per graphic below.



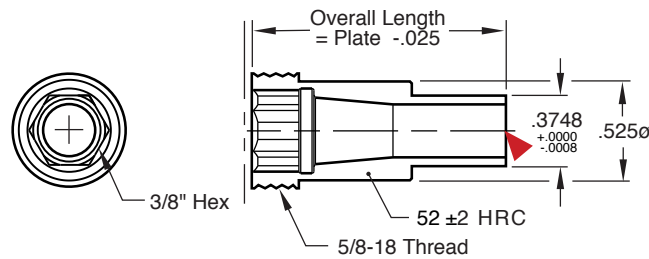
M H-13 **H** Core: 40-44 HRC; **S** Ion Nitride 65-70 HRC

CAD insertion point

Nominal Diameter	D	H	T	PL	L=1.813		L=2.313		L=2.813		L=3.313	
					OAL	CAT. #	OAL	CAT. #	OAL	CAT. #	OAL	CAT. #
5/32	.1562	.28	.156	.125	1.938	PP156L1.9	2.438	PP156L2.4	2.938	PP156L2.9	3.438	PP156L3.4
7/32	.2188	.40	.187	.187	2.000	PP219L2.0	2.500	PP219L2.5	3.000	PP219L3.0	3.500	PP219L3.5
9/32	.2812	.43	.250	.250	2.063	PP281L2.0	2.563	PP281L2.5	3.063	PP281L3.0	3.563	PP281L3.5

For custom Puller Pins, refer to the templates in section X

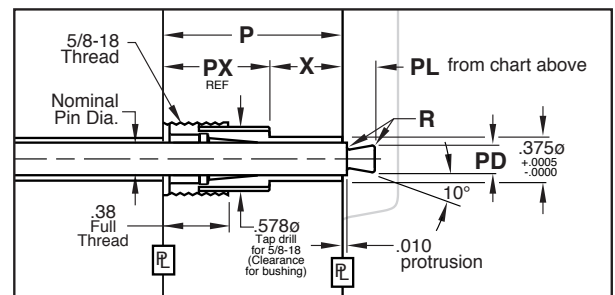
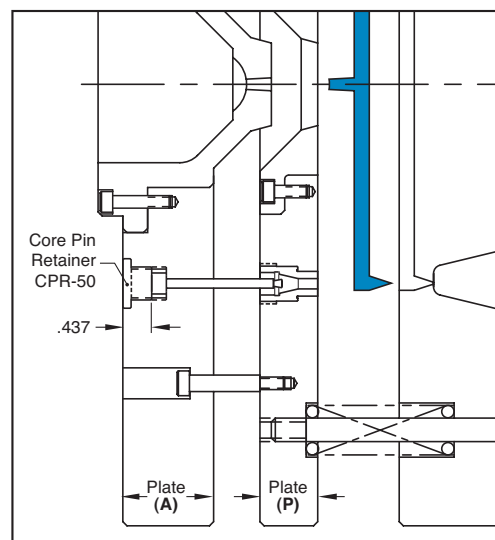
PULLER PIN BUSHINGS



M 440C **H** 50-54 HRC

Puller Pin Diameter	P 7/8" Plate	P 1-3/8" Plate
5/32	PPB156L.87	PPB156L1.37
7/32	PPB219L.87	PPB219L1.37
9/32	PPB281L.87	PPB281L1.37

CAD insertion point



P Plate Thickness	PX REF	X	Nominal Pin Diameter	PD T.S.C.	R
7/8	1/2	.375	5/32	.145	.020
			7/32	.200	.025
			9/32	.265	.030
1-3/8	7/8	.500	5/32	.145	.020
			7/32	.200	.025
			9/32	.265	.030