

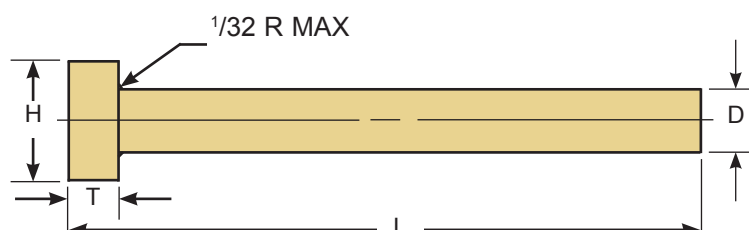
Copper Alloy Core Pins

- Resists corrosion, galling, and seizing
- Rapid and uniform heat removal reduces post cycle shrinkage and warpage
- Allows for shorter cycle times with enhanced dimensional control
- Superior thermal conductivity
- Special diameters available upon request

PCS Copper Alloy Core Pins are made of high strength alloyed copper with superior thermal conductivity. Due to its rapid and uniform heat removal properties, this pin helps to reduce post cycle shrinkage and warpage. Copper alloy core pin diameters range from 1/8" to 3/4" and lengths range from 4" to 18".



SPECIFICATIONS	
Hardness	36 - 42 Rc
Material Type	Alloyed Copper
Unit of Measure	Inch



Material	Thermal Conductivity	Wear Resistance	Thermal Expansion	Hardness	Weldability	Machinability	Polishability	Corrosion Resistance	Total Score
	4	7	9.0	7	10	7	10	10	55
P20 Tool Steel	1	5	6.5	6	4	3	5	5	29
Hardened Steel	1	10	6.5	10	2	1	2	5	31
420 Stainless	1	5	6.5	6	4	2	4	8	30

D PIN DIA +.000 -.001	H HEAD DIA +.000 -.015	T HEAD THICK. +.000 -.002	L OVERALL LENGTH +.062 / -.000						
			3"	4"	6"	8"	12"	14"	18"
.1250	1/4	1/8		CPM9-4		CPM9-8	CPM9-12		CPM9-18
.1563	9/32	5/32	CPM11-3	CPM11-4	CPM11-6	CPM11-8	CPM11-12		CPM11-18
.1875	3/8	3/16	CPM13-3	CPM13-4		CPM13-8	CPM13-12	CPM13-14	CPM13-18
.2188	13/32	3/16		CPM15-4	CPM15-6	CPM15-8	CPM15-12	CPM15-14	CPM15-18
.2500	7/16	3/16		CPM17-4	CPM17-6	CPM17-8	CPM17-12	CPM17-14	CPM17-18
.2812	7/16	1/4		CPM19-4	CPM19-6	CPM19-8	CPM19-12		CPM19-18
.3125	1/2	1/4		CPM21-4	CPM21-6	CPM21-8	CPM21-12		CPM21-18
.3750	5/8	1/4		CPM25-4		CPM25-8	CPM25-12	CPM25-14	CPM25-18
.4375	11/16	1/4		CPM29-4		CPM29-8	CPM29-12		CPM29-18
.5000	3/4	1/4		CPM33-4		CPM33-8	CPM33-12		CPM33-18
.5625	13/16	1/4		CPM35-4		CPM35-8	CPM35-12		CPM35-18
.6250	7/8	1/4		CPM37-4		CPM37-8	CPM37-12		CPM37-18
.7500	1	1/4		CPM41-4		CPM41-8	CPM41-12		CPM41-18