



Formed ends, controlled heat treat; close tolerances; standard for die work; also used as bearings, gages, precision parts, etc.

Mechanical Properties

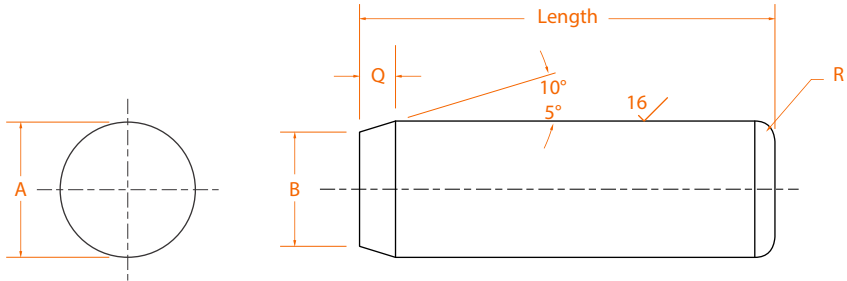
Material: ASME B18.8.2
 Shear Hardness: 150,000 psi
 Surface Hardness: 60 HRC
 Core Hardness: 50 - 58 HRC

Shear Strength and Recommended hole Size

Nominal Size	calculated single shear strength (pounds)	Recommended hole size (.0002 over nom.)	
		max	min
1/16	465	.0625	.0620
3/32	1,035	.0937	.0932
1/8	1,845	.1250	.1245
5/32	2,880	.1562	.1557
3/16	4,140	.1875	.1870
1/4	7,370	.2500	.2495
5/16	11,500	.3125	.3120
3/8	16,580	.3750	.3745
7/16	22,540	.4375	.4370
1/2	29,460	.5000	.4995
9/16	37,270	.5625	.5620
5/8	46,020	.6250	.6245
3/4	66,270	.7500	.7495
7/8	90,190	.8750	.8745
1	117,810	1.0000	.9995

Warning

Installation warning: Do not strike.
 Use safety shield or glasses when pressing chamfered end in first.



Product Dimensions

Size nom	Pin diameter A		Point diameter B max	Q		Crown radius R min
	.0002 over nom. max	min		max	min	
1/16	.0628	.0626	0.056	0.056	0.019	0.010
3/32	.0941	.0939	0.084	0.074	0.028	0.026
1/8	.1253	.1251	0.116	0.070	0.026	0.043
5/32	.1565	.1563	0.147	0.071	0.026	0.043
3/16	.1878	.1876	0.178	0.073	0.027	0.043
1/4	.2503	.2501	0.237	0.093	0.037	0.058
5/16	.3128	.3126	0.298	0.102	0.041	0.058
3/8	.3753	.3751	0.359	0.110	0.046	0.073
7/16	.4378	.4376	0.417	0.136	0.058	0.089
1/2	.5003	.5001	0.480	0.133	0.057	0.104
9/16	.5628	.5626	0.542	0.136	0.058	0.120
5/8	.6253	.6251	0.605	0.133	0.057	0.120
3/4	.7503	.7501	0.725	0.161	0.071	0.120
7/8	.8753	.8751	0.850	0.161	0.071	0.120
1	1.0003	1.0001	0.975	0.161	0.071	0.120