

Ring Pins



MADE TO ORDER



Check out our patented Bow-Tie Locking Cotters on pages 23 QRP & 24 QRP

Ring Pins

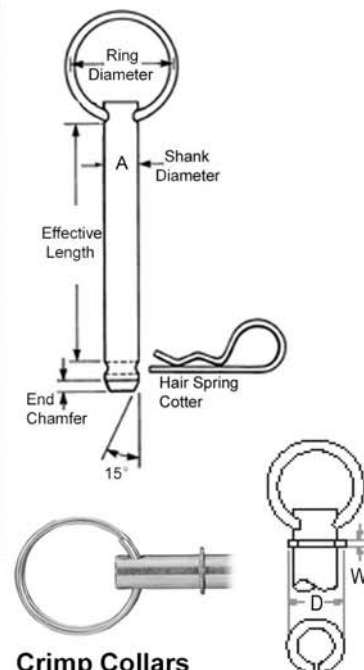
Made to order. Convenient removable pin designed with a cotter hole for a secure application. Used typically with a hair spring cotter, this fastener offers fast and secure adjustments or assemblies. Available with or without a stop collar in various styles and sizes.

Standard material is low carbon steel, zinc plated. Available in higher carbon steel which can be heat treated, or corrosion resistant stainless steel.

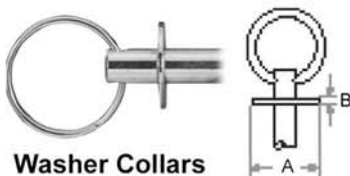
Nominal Pin Diameter A	Diameter Tolerances Before Plating Cold Finish Rounds		Pull Pin Diameter (inches)	End Chamfer Length x 15 (inches)	Pivot Point Standard Hole Diameter	Recommended Bow - Tie Cotter (see pages 23 QRP & 24 QRP)
	Carbon Steel	Stainless				
3/16	.1855 - .1875	.1865 - .1885	7/8	.078	3/32	Bow-54
1/4	.2480 - .2500	.2490 - .2510	1	.094	3/32	Bow-54 / Bow-72
5/16	.3105 - .3125	.3110 - .3140	1	.125	1/8	Bow-72 / Bow-91
3/8	.3730 - .3750	.3735 - .3765	1	.141	9/64	Bow-91
7/16	.4355 - .4375	.4360 - .4390	1	.156	5/32	Bow-91-8 / Bow-120
1/2	.4980 - .5000	.4980 - .5020	1-1/4	.172	5/32	Bow-91-8 / Bow-120
5/8	.6230 - .6250	.6230 - .6270	1-1/4	.188	5/32	Bow-120-10 / Bow-148-10
3/4	.7480 - .7500	.7480 - .7520	1-1/2	.188	3/16	Bow-120-12 / Bow-148-12

Plating will typically add .0002"-.0005" to diameter.

* NOTE: See page 23 QRP for recommended hole sizes for use with Bow-Tie Cotter Pins.



Unless otherwise noted, all dimensions are for reference only.

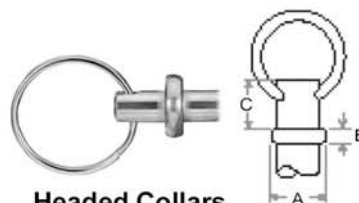


Washer Collars

Standard zinc-plated flat washers stamped firmly into a groove for a permanent stop. Assembly is completely plated.

Pin Diameter	Washer Dimensions	
	O.D. A	Thickness B
3/16	7/16	.047
1/4	9/16	.047
5/16	3/4	.062
3/8	7/8	.078
7/16	1	.078
1/2	1-1/4	.078
5/8	1-1/2	.109
3/4	1-1/2	.109

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Headed Collars

One piece cold formed pin and collar for the highest durability.

Pin Diameter	Collar Dimensions		
	O.D. A	Thickness B	Length C
3/16	5/16	.060	.410
1/4	7/16	.090	.410
5/16	1/2	.090	.750
3/8	5/8	.100	.750
7/16	3/4	.125	.750
1/2	7/8	.125	.750

Unless otherwise noted, all dimensions are for reference only.

Crimp Collars

Crimp collars are small diameter retaining rings made of ductile 1010 carbon steel. Pressed into a groove, the collar is generally free to rotate, yet strong against end thrust. Assembly is completely plated.

Pin Diameter	Collar Dimensions	
	Thickness W	O.D. Installed D
3/16	.031	.250
1/4	.031	.312
5/16	.039	.406
3/8	.047	.500
7/16	.055	.594
1/2	.063	.688
5/8	.078	.859
3/4	.094	1.031

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