

Alignment Couplers

Features and Advantages

- IMI Bimba's miniature coupler design allows excellent freedom of movement on the three new, miniature sizes; #5-40 through #10-32 sizes.
- The miniature couplers allow up to 20° of spherical movement and 0.02" lateral allowance with only .002" of axial play, and are manufactured from high tensile, hardened and blackened steel components.
- Larger sizes are available, from 1/4"-28 to 1"-14, with 1° of spherical movement and 1/16" of lateral allowance.
- The alignment allowances can eliminate the need for expensive precision machining in rigidly mounted applications.
- Alignment couplers help reduce binding and simplify field alignment problems, enhancing cylinder

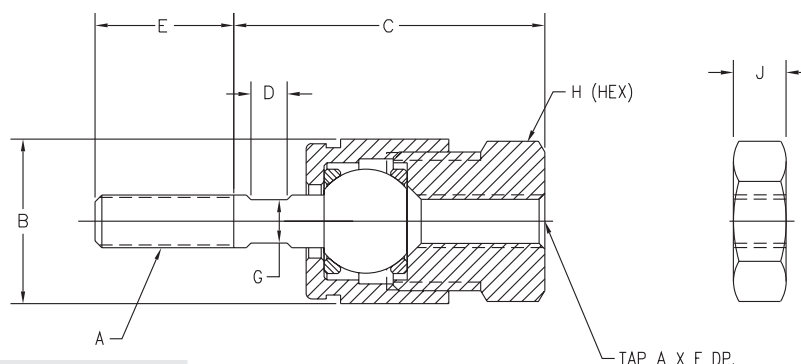
performance and reducing seal and bearing wear.

- An innovative design to resist vibrational loosening is available on sizes 5/16"-24 and larger. In the ACH style coupler, a slot is milled through the tapped mounting threads. Two socket head cap screws are strategically placed to allow the coupler to be clamped to the rod, offering superior strength connection.



Dimensions

Models #5-40 through #10-32



Model*	A	B	C	D	E	F
AC5-40	#5-40	15/32"	3/4"	1/8"	3/8"	3/8"
AC8-32	#8-32	17/32"	31/32"	1/8"	3/8"	3/8"
AC10-32	#10-32	19/32"	1-1/8"	1/8"	1/2"	1/2"

Model*	G	H	J	Maximum Pull at Yield (lbs)	Alignment Allowance		Weight (oz)
					Lateral	Spherical	
AC5-40	1/8"	3/8"	1/8"	200	0.02	20°	0.3
AC8-32	1/8"	7/16"	1/8"	650	0.02	10°	0.5
AC10-32	5/32"	1/2"	1/8"	1200	0.02	10°	0.8

* Specify SS at the end of the part number for Stainless Steel.

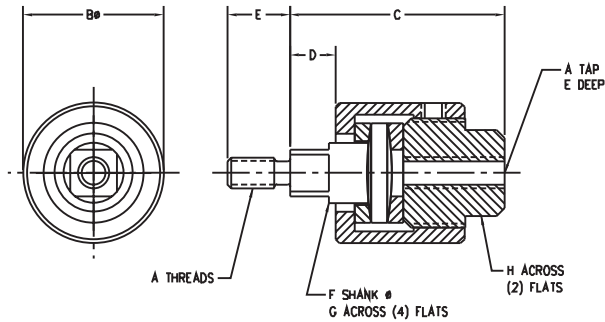
Additional Jam Nuts

Size	Part Number	Stainless Steel Part No.
#5-40	D-3745	D-3745-SS
#8-32	D-D0737	D-D0737-SS
#10-32	D-5288	D-5288-SS

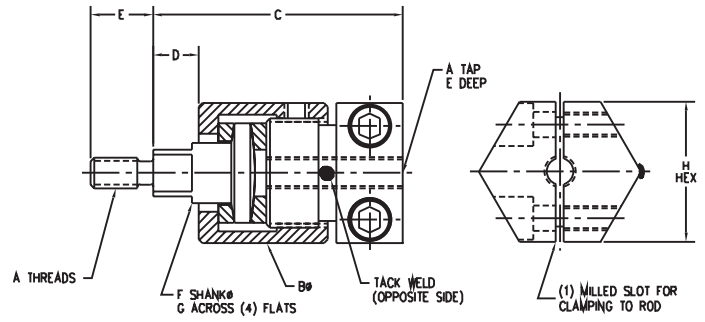
Alignment Couplers

Models 1/4"-28 through 1"-1/4

Standard Coupler AC250-AC1000



ACH Coupler ACH312-ACH1000



1/16" of lateral allowance
1° spherical movement

Part Number	A	B	C	C Hex	D	E	F	G	H	H Hex	Maximum Pull at Yield (lbs)
AC250	1/4"-28	1-1/8"	1-3/4"	--	3/8"	1/2"	1/2"	3/8"	11/16"	--	6,000
AC312	5/16"-24	1-1/8"	1-3/4"	2"	3/8"	1/2"	1/2"	3/8"	11/16"	1-1/4"	8,300
AC375	3/8"-24	1-1/8"	1-3/4"	2"	3/8"	1/2"	1/2"	3/8"	11/16"	1-1/4"	8,300
AC437	7/16"-20	1-1/4"	2"	2-5/32"	7/16"	3/4"	5/8"	1/2"	13/16"	1-1/4"	10,000
AC500	1/2"-20	1-1/4"	2"	2-5/32"	7/16"	3/4"	5/8"	1/2"	13/16"	1-1/4"	14,000
AC625	5/8"-18	1-1/4"	2"	2-5/32"	7/16"	3/4"	5/8"	1/2"	13/16"	1-1/4"	19,000
AC750	3/4"-16	1-3/4"	2-5/16"	2-1/2"	7/16"	1-1/8"	31/32"	13/16"	1-1/8"	1-3/4"	34,000
AC875	7/8"-14	1-3/4"	2-5/16"	2-1/2"	7/16"	1-1/8"	31/32"	13/16"	1-1/8"	1-3/4"	39,000
AC1000	1"-14	2-1/2"	2-15/16"	2-15/16"	7/16"	1-5/8"	1-11/32"	1-5/32"	1-5/8"	2-1/2"	64,000

Please specify AC, ACH coupler when ordering AC750 (Standard Coupler) ACH750 (Hex Coupler)
Please specify - SS at the end of the part number for Stainless Steel.
Jam nut sold separately for 1/4"-28 through 1"-14 size
*SS valid for AC models only

Jam Nuts

Size	Part Number Standard	Stainless Steel Part No.
1/4"-28	D-344	D-344-SS
5/16"-24	D-746	D-746-SS
3/8"-24	D-801	D-801-SS
7/16"-20	D-154	D-154-SS
1/2"-20	D-98	D-98-SS
5/8"-18	D-9	D-9-SS
3/4"-16	D-3556	D-3556-SS
7/8"-14	D-2545	D-2545-SS
1"-14	D-1331	D-1331-SS