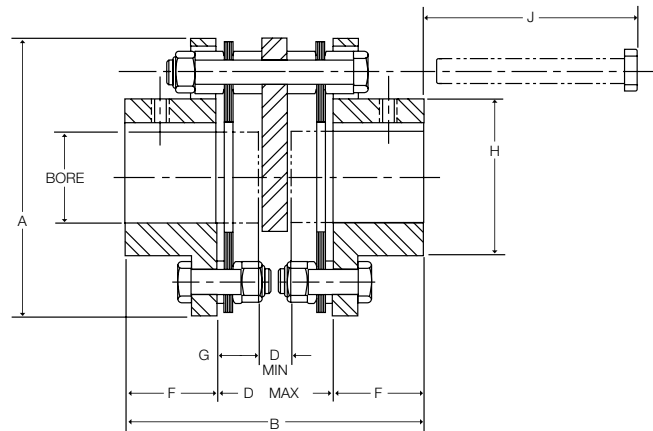


# Close Coupled Coupling AX Series - Form-Flex®

## General Use - Double Flex Short Spacer

The AX series close coupling is made up of two hubs, a steel spacer block, two stainless steel disc packs and AX hardware. A special bolting arrangement supports the spacer between the flex discs. The AX is an economical design that is well suited to many general purpose applications. The AX accommodates close shaft separations when it is installed with the shafts extending through the flex discs into the center of the coupling. The shaft diameter must be less than the disc pack I.D. listed in the dimensional table.



Size	Max Bore				Dimensions (in)*									
	AJ		AZ		A	B	DBSE		F	G	H	J	DISC PACK I.D.**	
	(in)	(mm)	(in)	(mm)			D** Min	D Max						
5	0.875	22	1.19	30	2.65	3.34	0.38	1.34	1.00	0.48	1.30	1.68	1.00	
10	1.250	33	1.63	43	3.19	3.40	0.44	1.40	1.00	0.48	1.30	1.79	1.17	
15	1.375	36	1.75	48	3.65	3.80	0.63	1.54	1.13	0.44	2.00	1.85	1.28	
20	1.688	46	2.13	58	4.08	4.22	0.63	1.58	1.32	0.48	2.40	1.66	1.65	
25	2.000	53	2.56	68	4.95	5.36	0.75	2.12	1.62	0.69	2.80	2.39	1.78	
30	2.380	63	2.88	79	5.63	6.30	1.00	2.54	1.88	0.77	3.30	3.18	2.01	
35	2.938	80	3.75	101	6.63	7.17	1.13	2.67	2.25	0.77	4.15	2.81	2.71	

\* Dimension shown are for AJ hubs unless otherwise specified.

\*\* Shaft O.D. must be less than Disc Pack I.D. in order to extend shafts into the coupling to meet D Min dimensions.

Size	HP/100 RPM	Rated Torque (lb-in)	Peak O/L Torque (lb-in)	Max RPM	Weight (lbs) (1)	WR <sup>2</sup> (lb-in <sup>2</sup> ) (1)	Misalignment Capacity	
							Axial (+/-in)	Angular (Degrees/Disc Pack)
5	0.48	300	450	8,500	1.63	1.26	0.030	1°
10	1.27	800	1,200	7,500	2.48	2.9	0.040	
15	2.5	1,575	2,363	6,700	3.84	5.8	0.042	
20	3.49	2,200	3,300	6,200	5.1	9.16	0.055	
25	6.03	3,800	5,700	5,500	9.13	26.1	0.060	
30	11	6,930	10,395	5,000	13.8	51.7	0.065	
35	18	11,340	17,010	4,400	21.1	108	0.085	

1) Weight and WR<sup>2</sup> values shown are for AJ hubs at max inch bore.

### STANDARD MATERIALS (CLASS A)

HUBS - CARBON STEEL

SPACER - CARBON STEEL

HARDWARE - ALLOY STEEL

DISC PACKS - STAINLESS STEEL

### ORDERING

AX SERIES COUPLINGS ARE SOLD AS COMPONENTS  
COUPLINGS CONSIST OF:

2 - HUBS - Example (AJ25A x 1-3/4")

1 - SPACER SUB-ASSEMBLY - Example (AX25SAA)

### STANDARD MATERIALS (CLASS A)

CLASS A - Mild steel hubs and spacer, alloy steel hardware, 300 series stainless steel disc packs

CLASS B - Zinc plated steel hubs, and spacer, alloy steel hardware, 300 series stainless steel disc packs