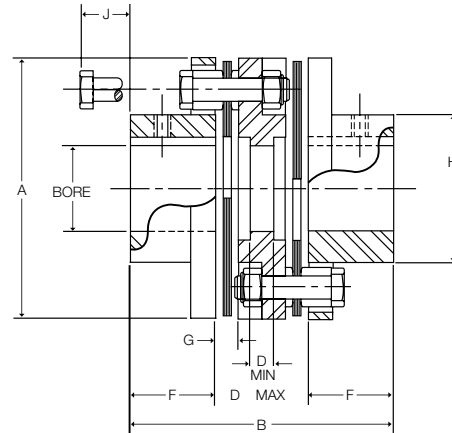


# Close Coupled Coupling AA Series - Form-Flex®

## General Use with Shorter Bolt Removal - Double Flex

The AA series close coupling is made up of two hubs, a cast iron block type spacer and two sets of standard hardware. Stainless steel disc packs are standard. The AA accommodates close shaft separations when it is installed with the shafts extending through the disc pack into the center of the coupling. The shaft diameter must be less than the disc pack I.D. listed in the dimensional table. This coupling is recommended when the bolt removal length (J) makes the AX coupling impractical.



Size	Max Bore				Dimensions (in)*									Disc Pack I.D.**
	AJ		AZ		A	B	DBSE		F	G	H	J		
	(in)	(mm)	(in)	(mm)			D** Min	D Max						
5	0.875	22	1.19	30	2.65	3.23	0.25	1.23	1.00	0.24	1.30	0.54	1.00	
10	1.250	33	1.63	43	3.19	3.73	0.25	1.73	1.00	0.27	1.80	0.56	1.17	
15	1.375	36	1.75	48	3.65	3.82	0.31	1.56	1.13	0.32	2.00	0.88	1.28	
20	1.688	46	2.13	58	4.08	4.38	0.41	1.74	1.32	0.34	2.40	0.79	1.65	
25	2.000	53	2.56	68	4.95	5.26	0.41	2.02	1.62	0.45	2.80	1.00	1.78	
30	2.380	63	2.88	79	5.63	6.24	0.56	2.48	1.88	0.47	3.30	1.14	2.01	
35	2.938	80	3.75	101	6.63	6.91	0.66	2.41	2.25	0.55	4.15	0.97	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	3,600	1.76	1.4	0.030	1°
10	1.27	800	1,200	3,500	2.77	3.35	0.040	
15	2.5	1,575	2,363	3,450	4.24	6.66	0.042	
20	3.49	2,200	3,300	3,350	5.48	10.2	0.055	
25	6.03	3,800	5,700	3,200	9.81	29.4	0.060	
30	11	6,930	10,395	3,000	15.0	59.0	0.065	
35	18	11,340	17,010	2,800	22.4	121	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 PACK - STAINLESS STEEL

### ORDERING

AA SERIES COUPLINGS ARE SOLD AS COMPONENTS

COUPLINGS CONSIST OF:

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

1 - SPACER SUB-ASSEMBLY - Example (AA25SAA)

### MATERIAL / FINISH OPTIONS

CLASS A - Steel hubs and spacer, alloy steel hardware, 300 series stainless steel disc pack

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

CLASS C - Zinc plated steel hubs, and spacer, stainless steel hardware, 300 series stainless steel disc pack