

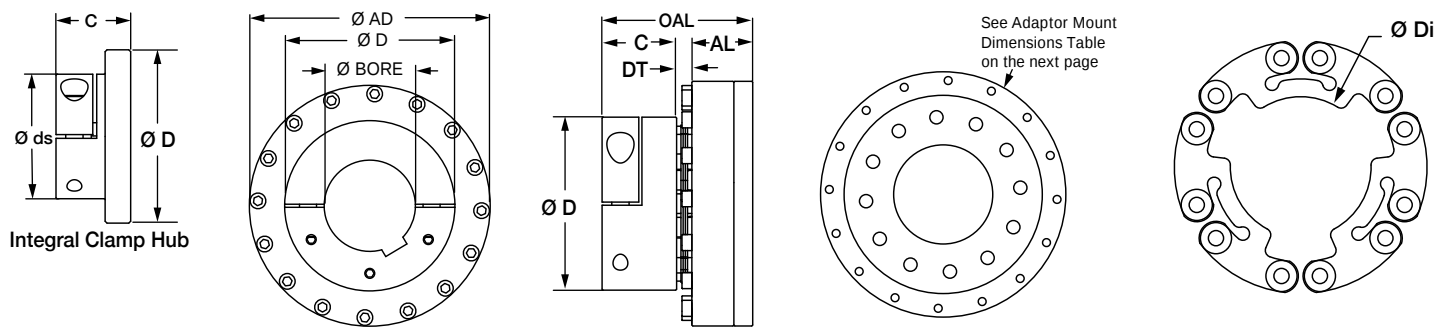
Single Flex Clamp Hub x Adaptor Hub

Performance Information

Model	Adaptor	Continuous Torque	Peak Torque	Torsional Stiffness	Maximum Speed	Misalignments			Unit Weight at		Inertia at	
						Angular	Parallel	Axial	Max. Bore C1-AM	Max. Bore C2-AM	Max. Bore C1-AM	Max. Bore C2-AM
		Nm	Nm	Nm/Rad	RPM	Degrees °	mm	mm	kg	kg	kg-cm ²	kg-cm ²
8A55	AM31	42	84	26324	17903	0.75	0.02	0.47	0.74	0.73	4.01	3.98
8A67	AM50	88	176	34442	13115	0.75	0.03	0.58	1.51	1.50	15.16	15.07
12A85	AM63	313	626	100200	9877	0.50	0.05	0.48	2.36	2.48	36.11	40.62
12A105	AM80	655	1311	213134	8308	0.50	0.06	0.56	4.65	4.87	105.7	120.7
12A140	AM125	1808	3616	564470	5784	0.50	0.08	0.74	11.3	11.8	528.1	585.9
12A165	AM140	3107	6215	1045833	4502	0.50	0.09	0.84	N/A	23.5	N/A	1990
12A190	AM160	4915	9831	1728333	4028	0.50	0.11	0.94	N/A	34.9	N/A	3676

• Balancing will be required to obtain maximum rpm - consult Zero-Max.

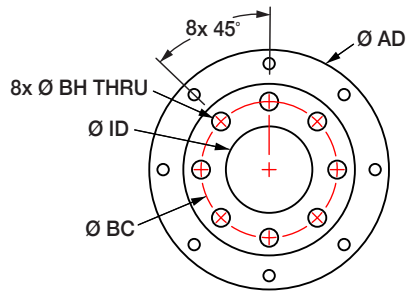
Dimensional Information



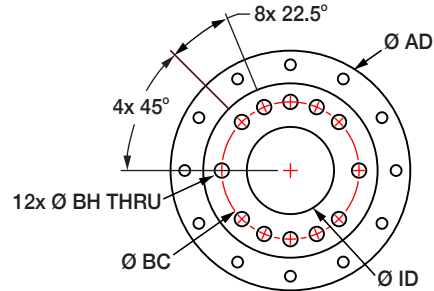
Model	Adaptor	D	ds	C	AD	AL	Di	DT	OAL
		Hub OD	(one pc Clamp Hub only)	Hub Length	Adaptor Diameter	Adaptor Length	Disc Pack ID	Disc Pack Thickness	
		mm	mm	mm	mm	mm	mm	mm	
8A55	AM31	55	N/A	25.4	64.0	23.1	24.9	8.2	56.7
8A67	AM50	67	N/A	31.8	87.4	26.9	31.8	8.9	67.6
12A85	AM63	85	58.2	33.4	110	31.0	41.4	7.1	71.5
12A105	AM80	105	73.4	47.6	138	34.0	52.1	10.8	92.0
12A140	AM125	140	101	60.3	198	49.3	70.6	12.3	122
12A165	AM140	165	N/A	63.5	255	66.3	84.8	14.8	145
12A190	AM160	190	N/A	69.9	285	76.2	98.8	17.9	164

Adaptor Details

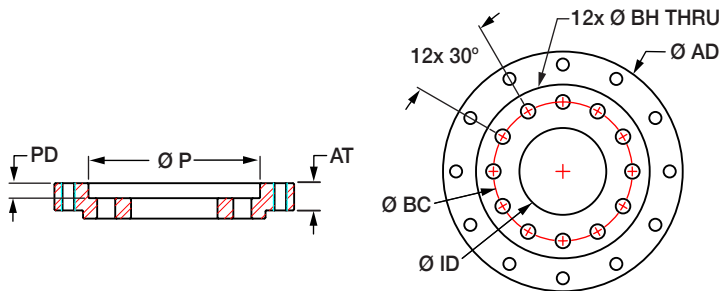
Adaptor Mounts Compatible with ISO 9409-1



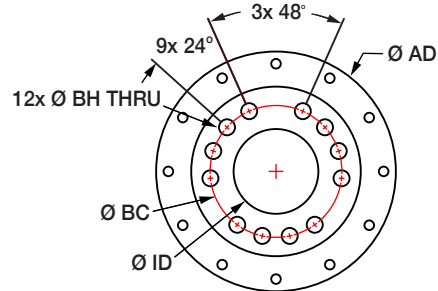
MODEL AM31 AND AM50



MODEL AM63



MODEL AM80 AND AM125



MODEL AM140 AND AM160

Model	Adaptor	AD	ØP	PD	AT	ØBH	ØBC	ID
		Adaptor Plate Diameter	Pilot Diameter	Pilot Depth	Adaptor Plate Thickness	Bolt Hole Diameter	Bolt Circle	Adaptor Plate ID
		mm	mm	mm	mm	mm	mm	mm
8A55	AM31	64.0	40.000/40.025	2.9	7.0	5.3	31.5	20.0
8A67	AM50	87.4	63.000/63.025	5.5	10.0	6.6	50.0	31.8
12A85	AM63	110	80.000/80.025	5.5	23.9	6.6	63.0	40.0
12A105	AM80	138	100.000/100.035	5.5	12.0	8.4	80.0	50.0
12A140	AM125	198	160.000/160.040	7.0	15.2	10.7	125	80.0
12A165	AM140	255	180.000/180.040	10.0	25.2	17.0	140	90.0
12A190	AM160	285	200.000/200.045	8.0	27.2	21.0	160	90.0

- Model numbers correspond to bolt circle (ØBC) dimension
- Contact Zero-Max if location pin is desired

Bore sizes (metric)

Model	Shaft Bore Options			
	One Piece (C1) Integral Clamp		Two Piece (C2) Split Clamp	
	Keyed	Non keyed	Keyed	Non keyed
8A55	12-28 mm	12-28 mm	12-28 mm	12-28 mm
8A67	16-35 mm	16-35 mm	16-35 mm	16-35 mm
12A85	16-27 mm	22-27 mm	16-40 mm	22-50 mm
12A105	19-32 mm	28-32 mm	19-55 mm	28-60 mm
12A140	26-40 mm	32-40 mm	26-75 mm	32-82 mm
12A165	N/A	N/A	35-88 mm	35-95 mm
12A190	N/A	N/A	35-105 mm	42-115 mm

- Keyed hub/shaft connections are recommended
- Keyless connections are available, but may not transmit the full torque rating of the coupling
- Contact Zero-Max for other keyless hub mounting options or to discuss details of your application

Transmittable Torque for non-keyed Bore Hubs

Model		Bore Size (mm) and Transmittable Torque (Nm)																						Cont. Torque (Nm)	Peak Torque (Nm)
		12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	50	55	60			
8A55	One-Piece Hubs	21	27	29	34	39	41	43	47	52	54	60											42	84	
	Two-Piece Hubs	32	42	45	53	60	–	66	73	80	83	•											42	84	
8A67	One-Piece Hubs				40	45	48	50	55	60	63	70	75	80	88								88	176	
	Two-Piece Hubs				62	69	–	77	85	92	96	108	116	123	135								88	176	
12A85	One-Piece Hubs								122	133	138												313	626	
	Two-Piece Hubs								187	204	213	239	256	273	298	324	341	358	383	426			313	626	
12A105	One-Piece Hubs											248	266	283									655	1310	
	Two-Piece Hubs											381	409	436	477	518	545	572	613	681	749	817	655	1310	

Model		Bore Size (mm) and Transmittable Torque (Nm)																						Cont. Torque (Nm)	Peak Torque (Nm)
		28	30	32	35	38	40	42	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115		
12A140	One-Piece Hubs			733	802	871	916																	1808	3616
	Two-Piece Hubs			1128	1234	1339	1410	1480	1586	1762	1938	2115	2291	2467	2643	2819								1808	3616
12A165	One-Piece Hubs																								
	Two-Piece Hubs				1491	1619	1704	1789	1917	2130	2343	2556	2769	2981	3194	3407	3620	3833	4046					3107	6214
12A190	One-Piece Hubs																								
	Two-Piece Hubs							1988	2130	2367	2603	2840	3077	3313	3550	3786	4023	4260	4496	4733	4970	5206	5443	4915	9830

- Keyed hub/shaft connections are recommended
- Keyless connections are available, but may not transmit the full torque rating of the coupling
- Contact Zero-Max for other keyless hub mounting options or to discuss details of your application
- Listed number indicates the transmittable torque of the keyless hub connection (Nm)
- The • symbol indicates that the keyless hub connection will transmit the full rated peak torque of the coupling
- Contact Zero-Max for smaller bore options
- Contact Zero-Max if higher transmittable torque keyless hub options are required

How to Order

# of bolts	Type	Size	Hub 1	Bore 1	Keyway Specification	Hub 2	Fit
8 = 8 bolts 12 = 12 bolts	A = Single-Flex	55 67 85 105 140 165 190	C1 = Single Bolt / Integral Clamp C2 = Two-Bolt / Split Clamp	Specify mm or inch	K = With Keyway N = No Keyway	AM = ISO 9409-1 Adaptor	Adaptor code
NOTE: Size 55 & 67 are 8-bolt All other sizes are 12-bolt			Keyway recommended Refer to Transmittable Torque Chart if using Keyless Clamp Hub			NOTE: Refer to Adaptor Mounts Chart for Adaptor Codes	

Example:

12 A 105 C2 40mm K AM 80mm
12A105-C2-40mm-K-AM-80mm

Bore sizes are based on the nominal shaft diameters, as documented by the AGMA Standard 511.02 (Bore and Keyway Sizes for Flexible Couplings). All clearance fits (standard) are according with the ANSI B4.2 (imperial) and with the ISO 286-1 (metric). Contact Zero-Max for special tolerances.

Standard Keyways

Bore Size (mm)		Keyway	Bore Size (mm)		Keyway
Over	To		Over	To	
10	12	4 x 1.8	58	65	18 x 4.4
12	17	5 x 2.3	65	75	20 x 4.9
17	22	6 x 2.8	75	85	22 x 5.4
22	30	8 x 3.3	85	95	25 x 5.4
30	38	10 x 3.3	95	110	28 x 6.4
38	44	12 x 3.3	110	130	32 x 7.4
44	50	14 x 3.8	130	150	36 x 8.4
50	58	16 x 4.3	150	170	40 x 9.4

Bore Size (inch)		Keyway	Bore Size (inch)		Keyway
Over	To		Over	To	
0.437	0.562	0.125 x 0.062	2.250	2.750	0.625 x 0.312
0.562	0.875	0.187 x 0.094	2.750	3.250	0.750 x 0.375
0.875	1.250	0.250 x 0.125	3.250	3.750	0.875 x 0.437
1.250	1.375	0.312 x 0.156	3.750	4.500	1.000 x 0.500
1.375	1.750	0.375 x 0.187	4.500	5.500	1.250 x 0.625
1.750	2.250	0.500 x 0.250	5.500	6.500	1.500 x 0.750