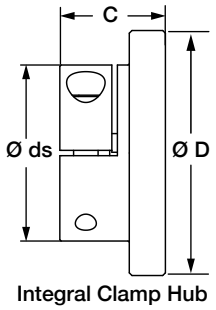
Double Flex Clamp Hub x Clamp Hub

Performance Information

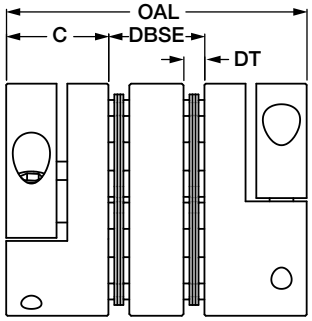
Model	Continuous Torque	Peak Torque	Torsional Stiffness	Maximum Speed	Misalignments			Unit Weight at			Inertia at		
					Angular	Parallel	Axial	Max. Bore C1-C1	Max. Bore C1-C2	Max. Bore C2-C2	Max. Bore C1-C1	Max. Bore C1-C2	Max. Bore C2-C2
	Nm	Nm	Nm/Rad	RPM	Degrees °	mm	mm	kg	kg	kg	kg-cm²	kg-cm²	kg-cm²
8P55	42	84	13162	20790	0.75	0.25	0.97	0.80	0.79	0.78	3.78	3.75	3.69
8P67	88	176	17221	16289	0.75	0.33	1.42	1.49	1.48	1.47	10.54	10.45	10.33
12P85	313	626	50097	9877	0.50	0.23	0.97	2.14	2.26	2.38	18.90	23.41	27.95
12P95	452	904	78065	12062	0.50	0.25	0.97	3.03	3.19	3.34	32.22	40.56	48.87
12P105	655	1311	106570	9603	0.50	0.30	1.12	4.72	4.93	5.14	62.33	77.26	92.36
12P120	1017	2034	189147	9558	0.50	0.36	1.07	7.17	7.38	7.58	123.1	151.0	178.8
12P140	1808	3616	282232	7882	0.50	0.38	1.47	10.9	11.4	11.8	253.5	311.3	369.0
12P165	3107	6215	522920	6940	0.50	0.46	1.68	N/A	N/A	17.1	N/A	N/A	760.0
12P190	4915	9831	864163	6031	0.50	0.56	1.88	N/A	N/A	25.8	N/A	N/A	1543
12P215	7345	14689	1335400	5326	0.50	0.66	2.08	N/A	N/A	36.5	N/A	N/A	2815

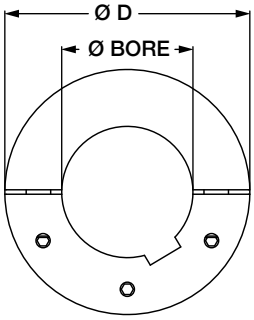
- Balancing will be required to obtain maximum rpm - consult Zero-Max.
- C1 = One piece clamping hub, C2 = Two piece clamping hub

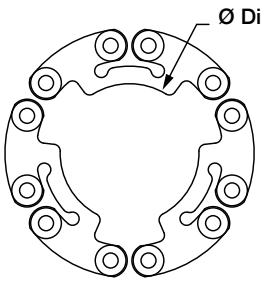
Dimensional Information



Integral Clamp Hub







12-Bolt Disc-Pack

Model	D	ds	C	Di	DT	DBSE	OAL
	Hub OD	(one pc Clamp Hub only)	Hub Length	Disc Pack ID	Disc Pack Thickness		
	mm	mm	mm	mm	mm	mm	mm
8P55	55	N/A	25.4	24.9	8.2	29.0	79.8
8P67	67	N/A	31.8	31.8	8.9	33.8	97.3
12P85	85	58.2	33.4	41.4	7.1	34.3	101
12P95	95	67.1	38.1	47.8	8.3	38.6	115
12P105	105	73.4	47.6	52.1	10.8	46.6	142
12P120	120	84.1	54.0	59.4	12.3	52.7	161
12P140	140	101	60.3	70.6	12.3	56.7	177
12P165	165	N/A	63.5	84.8	14.8	67.7	195
12P190	190	N/A	69.9	98.8	17.9	80.9	221
12P215	215	N/A	76.2	113	20.5	96.0	248

Bore sizes (metric)

Model	Shaft Bore Options			
	One Piece (C1) Integral Clamp		Two Piece (C2) Split Clamp	
	Keyed	Non keyed	Keyed	Non keyed
8P55	12-28 mm	12-28 mm	12-28 mm	12-28 mm
8P67	16-35 mm	16-35 mm	16-35 mm	16-35 mm
12P85	16-27 mm	22-27 mm	16-40 mm	22-50 mm
12P95	19-27 mm	22-27 mm	19-50 mm	22-54 mm
12P105	19-32 mm	28-32 mm	19-55 mm	28-60 mm
12P120	22-35 mm	28-35 mm	22-60 mm	28-70 mm
12P140	26-40 mm	32-40 mm	26-75 mm	32-82 mm
12P165	N/A	N/A	35-88 mm	35-95 mm
12P190	N/A	N/A	35-105 mm	42-115 mm
12P215	N/A	N/A	45-120 mm	50-130 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

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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		
8P55	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
8P67	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
12P85	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
12P95	One-Piece Hubs								187	205	213												452	904
	Two-Piece Hubs								288	315	328	367	393	420	459	498	524	551	590	656			452	904
12P105	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	120	125	130		
12P120	One-Piece Hubs	473	507	541	592																						1017	2034
	Two-Piece Hubs	728	780	832	910	988	1040	1092	1170	1300	1430	1560	1690	1820													1017	2034
12P140	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
12P165	One-Piece Hubs																											
	Two-Piece Hubs				1491	1619	1704	1789	1917	2130	2343	2556	2769	2981	3194	3407	3620	3833	4046								3107	6214
12P190	One-Piece Hubs																											
	Two-Piece Hubs							1988	2130	2367	2603	2840	3077	3313	3550	3786	4023	4260	4496	4733	4970	5206	5443				4915	9830
12P215	One-Piece Hubs																											
	Two-Piece Hubs									2998	3297	3597	3897	4197	4496	4796	5096	5396	5695	5995	6295	6595	6895	7194	7494	7794	7345	14690

- 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	Bore 2	Keyway Specification
8 = 8 bolts 12 = 12 bolts	P = Double-Flex	55 67 85 95 105 120 140 165 190 215	C1 = Singe Bolt / Integral Clamp C2 = Two-Bolt / Split Clamp	Specify mm or inch	K = With Keyway N = No Keyway	C1 = Singe Bolt / Integral Clamp C2 = Two-Bolt / Split Clamp	Specify mm or inch	K = With Keyway N = No Keyway
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			Keyway recommended Refer to Transmittable Torque Chart if using Keyless Clamp Hub

Example:

12	P	105	C1	30mm	K	C2	40mm	N

12P105-C1-30mm-K-C2-40mm-N

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

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