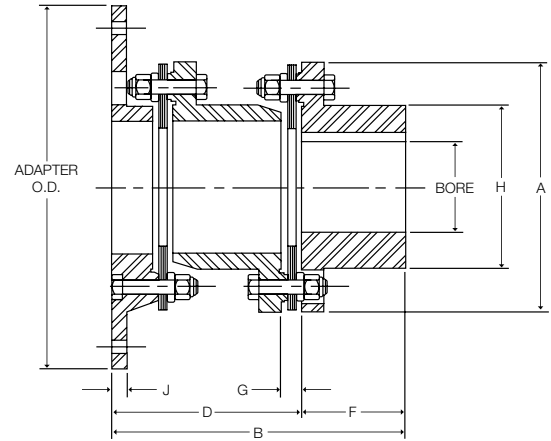


# Heavy Duty Spacer Coupling FSH Series - Form-Flex®

## Double Flex Spacer



Adapter O.D. / Standard Bolt Pattern						
12.375	13.875	18.375	20.375	22.500	26.500	28.875
12	14	18	20	22	26	28

SAE Bolting						
BC	11.625	13.125	17.25	19.25	21.375	25.25
Hole Qty	8	8	8	8	6	12
Hole Dia	0.41	0.41	0.53	0.53	0.65	0.78
HD Bolting						
BC	11.50	12.50	16.75	18.50	20.50	24.50
Hole Qty	8	8	8	8	12	12
Hole Dia	0.53	0.65	0.78	0.91	1.03	1.03

### STANDARD MATERIALS

HUBS - CARBON STEEL  
 SPACER - DUCTILE IRON OR CAST IRON  
 FLYWHEEL ADAPTER - DUCTILE IRON OR CAST IRON  
 HARDWARE - ALLOY STEEL  
 DISC PACKS - HIGH CARBON STEEL

Size	Max Bore				Dimensions (in)							Available Adapter Sizes							
	Iron		Steel		A	B	D DBSE	F	G	H	J	X = Stock Size 0 = MTO							
	(in)	(mm)	(in)	(mm)								10	12	14	18	20	22	26	28
31	3.12	82	4.13	113	8.12	8.68	5.31	3.37	0.62	5.50	0.50	O	O	X	X	O	O		
35	3.62	97	4.50	125	9.12	9.62	5.87	3.75	0.66	6.12	0.50	O	O	X	X	O	O		
37	3.75	100	4.63	130	10.06	10.62	6.62	4.00	0.81	6.50	0.56			O	O	O	O		
42	4.25	114	5.00	142	11.00	11.37	7.12	4.25	0.81	7.00	0.63			O	X	O	X	X	O
45	4.50	120	5.50	150	11.87	12.00	7.50	4.50	0.87	7.43	0.69			O	X	O	X	X	O
50	-	-	6.13	170	12.90	13.75	8.75	5.00	1.06	8.37	0.75				X	O	X	X	X
55	-	-	6.88	193	15.00	15.31	9.81	5.50	1.25	9.50	0.88				X	O	X	X	X
60	-	-	7.50	212	16.00	17.12	10.87	6.25	1.34	10.50	1.00				X	O	X	X	X
70	-	-	8.50	233	18.50	19.43	12.43	7.00	1.50	11.75	1.00						X	X	X
75	-	-	9.00	261	20.00	20.75	13.50	7.25	1.53	13.00	1.13						O	O	X
80	-	-	9.12	275	22.00	22.50	14.75	7.75	1.56	13.75	1.25							O	X
85	-	-	10.38	290	23.75	24.00	15.75	8.25	1.62	14.50	1.25								X
92	-	-	11.00	320	25.75	26.25	17.27	9.00	1.75	15.87	1.38								X
92HT	-	-	10.50	307	25.75	26.25	17.26	9.00	1.75	15.87	1.38								X

Size	HP/ 100 RPM	Rated Torque (lb-in)	Peak O/L Torque (lb-in)	Max RPM (2)	Weight (lbs) (1)	WR <sup>2</sup> (lb-in <sup>2</sup> ) (1)	Misalignment Capacity	
							Axial +/- in	Angular (Degrees/ Disc Pack)
31	38.1	24,000	36,000	2,800	41	399	0.052	0.33°
35	69.8	44,000	66,000	2,600	59	643	0.056	
37	95.2	60,000	90,000	2,500	82	1,280	0.062	
42	116	73,000	109,500	2,400	107	1,770	0.067	
45	157	99,000	148,500	2,250	127	2,370	0.072	
50	203	128,000	192,000	2,000	189	5,320	0.082	
55	300	189,000	283,500	1,800	241	7,590	0.092	
60	414	261,000	391,500	1,600	325	11,800	0.102	
70	659	415,000	622,500	1,400	523	25,000	0.115	
75	846	533,000	799,500	1,300	675	35,000	0.125	
80	1,087	685,000	1,027,500	1,200	905	58,400	0.136	
85	1,316	829,000	1,243,500	1,100	1060	79,400	0.140	
92	1,651	1,040,000	1,560,000	1,000	1,400	120,000	0.156	
92HT	2,221	1,400,000	2,100,000	1,000	1,450	129,000	0.156	

### ORDERING

FSH SERIES COUPLINGS ARE SOLD AS COMPLETE ASSEMBLIES (Components and repair kits are for repairs)

- 1) Specify coupling size and adapter size
- 2) Specify hub bore size and tolerance, keyway keyless, special hub length, etc.
- 3) Specify disc pack material

- 1) Weight and WR<sup>2</sup> calculated with steel hubs at maximum inch bore size and minimum available adapter size.
- 2) a) Max RPM shown for smallest available adapter size, do not exceed this speed for any given coupling size.  
 b) Verify that adapter speed limit is adequate for application speed, do not exceed coupling MAX RPM (See note 2a).
- 3) Flywheel mounting hardware is not supplied with coupling.
- 4) Consult factory for torsional stiffness and alternating torque limits.