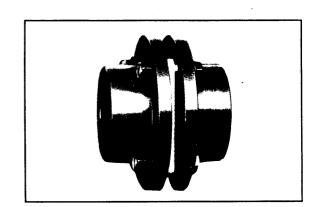
DESCRIPTION

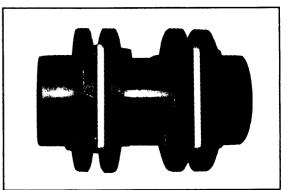
DESCRIPTION

- Disc Couplings are free from rotational back lash, provide unifrom and smooth at
 constant angular velocity. This coupling has given outstanding service for instance
 in regulating and control drives. For equiment such as machine tools with
 numerical controllers indexing systems, and printing machine, disc coupling are
 better than other couplings.
- Disc Couplings have no sliding, frictional, or moving parts. Therefore there is no friction or noise and they are not subject to wear and require no maintenace, no lubrication.

With proper selection and careful installation, an unlimited working life may be expected from this compact, ruggedly constructed all steel couplings.

- The flexible element plate packs (Stainless steel) are integral components, easily visible, readly inspected and can be installed without difficulty.
- Disc Couplings are manufactured for torque from 3.4kgf.m to 8530kgf.m, in various sizes available and they are applicable for a wide variety of systems because of their great range of allowable displacement.
- Disc Couplings are suitable for both directions of rotation and adaptable for vertical installation with intergral support.
- Disc Couplings are used in all types of industries and temperature to 280° C are permissible.

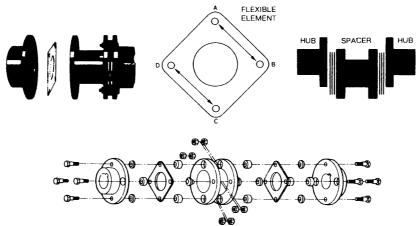




STRUCTURE

STRUCTURE

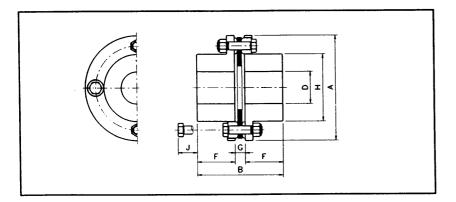
- Disc Couplings are all steel couplings. They are symmetrically constructed. The disc packs are located between the Flange of the Coupling hubs and spacer are alternately bolted to Flanges.
- The stainless steel pack is an integral assembly consisting of individual plates. Since all junction points are built up this way the disc pack represents a compact unit.

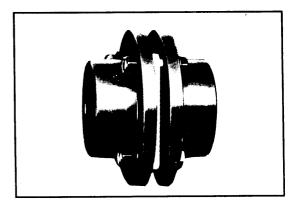


TYPE	P4	P6	P8
FEATURE ·			
Allowable Torque	3.4-650 kgf-m	840-6,100 kgf-m	1,200-8,530 kgf-m
Allowable Angle	1°	0.7 °	0.5 °

WCC DISC COUPLING

4 BOLTS Single Flexible Coupling





The single flexible coupling is designed to compensate for an angular displacement of up to 1 maximum. It can operate at high speeds and under heavy loads while supporting radial road.

Typical installations include coupling of shafts, one of which is supported by bearing at two points and the other supported by only on bearing

Allowable torque values become liner when torque changes while within the zone of maximum allowable torque specified in this catalogue.

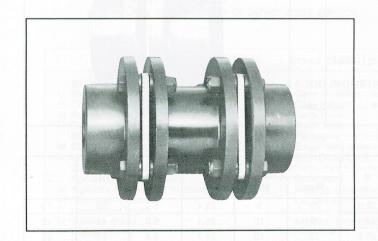
Size	A	В)	F		н	,
No.			Max	Min] [G	П	,
05S	67	56.9	23	8	25.4	6.1	33	13
108	81	57.4	32	10	25.4	6.6	46	16
15S	93	65.8	35	10	28.7	8.4	51	22
20S	104	78.2	42	10	33.5	11.2	61	20
25S	126	93.9	50	16	41.1	11.7	71	25
30S	143	107.3	58	16	47.8	11.7	84	28
35S	168	131.2	74	25	57.2	16.8	106	23
40S	194	144.0	83	25	63.5	17.0	119	30
45S	214	174.0	95	45	76.2	21.6	137	22
50S	246	201.7	109	50	88.9	23.9	157	23
558	276	230.4	118	50	101.6	27.2	170	40

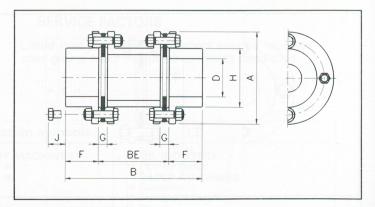
· · · · ·	Allo	wable To	rque (kg	ıf.m)	Max.	(1)	Weight	GD ²	Torsional	(2) Axial
Size No.	No Radial Load	1/3 Radial Load	2/3 Radial Load	Max. Radial Load	Allowable Radial Load (kgf)	Max. Speed (rpm)	W (kgf)	(kgf.cm²)	Stiffness (kgf.m/rad)	Spring Constant (kgf/mm)
05S	3.4	1.5	1.2	0.8	15	47,000	0.6	8	0.22x10 ⁴	4.1
10S	9.2	4.1	3.2	2.3	25	39,000	1.1	24	0.63x10 ⁴	6.0
15S	18	8.1	6.3	4.5	56	34,000	1.7	48	1.5x10 ⁴	14.4
20S	25	11.3	8.7	6.0	83	30,000	2.5	80	2.4x10 ⁴	17.1
25S	43	19.3	16.0	11.0	120	25,000	4.3	224	4.3x10 ⁴	22.3
30S	79	35.5	27.6	20.0	180	22,000	6.9	440	7.0x10 ⁴	31.3
35S	130	58.5	45.5	32.5	270	19,000	11.3	1080	13x10 ⁴	36.2
40\$	210	94.5	73.4	52.5	380	16,000	16.7	2080	21x10 ⁴	44.9
45S	340	153.0	119.0	85.0	450	15,000	22.7	3520	30x10 ⁴	47.9
50S	500	225.0	171.0	125.0	610	13,000	35.4	7200	44x10 ⁴	54.8
50S	650	292.0	227.0	163.0	770	11,000	52.0	12800	59x10 ⁴	57.2

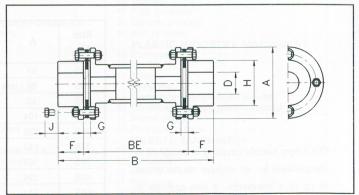
Fastening torque for Bolt

Size No.	05S	108	15S	20S	25S	30S	35S	40S	458	508	55S
Bolt Head Diameter (mm)	10	10	13	13	17	19	19	24	24	27	36
Fastening Torque (kgf.m)	0.9	0.9	2.2	2.2	4.2	7.3	7.3	15.9	15.9	22.1	58

4 BOLTS Double Flexible Coupling







Dimension

	Fa	ctors		- sidswo	W4-00	D (standard)	Size	W4-00	W4-OOF (custom			
Size No.	Rating Torque (kgf.m)	* (1) Max. Speed (rpm)	*(2) Axial Spring Constant (kgf/mm)	BE	Weight W (kgf)	GD ² (kgf.cm ²)	Torsional Stiffness (kgf.m/rad)	BE (mm)	Weight W (kgf)	GD ² (kgf.cm ²)	Torsional Stiffness (kgf.m/rad)	BE (mm)	* (3) BE (mm)
05D	3.4	5,400	2.1	88.9	1.2	18	0.09x10 ⁴	36	1.1	17.8	0.11x10 ⁴		
10D	9.2	4,500	3.0	88.9	1.9	44 .	0.28x10 ⁴	39	1.7	41	0.31x10 ⁴		
15D	18	4,300	7.2	101.6	2.9	84	0.62x10 ⁴	47	2.7	79	0.72x10 ⁴	TA.	
20D	25	4,200	8.5	127.0	4.1	148	0.95x10 ⁴	53	3.7	136	1.16x10 ⁴		P
25D	43	4,000	11.1	127.0	7.1	396	1.74×10 ⁴	62	6.6	377	2.06x10 ⁴	щ	arranged
30D	79	3,800	15.6	127.0	10.8	800	2.82×10 ⁴	69	10.3	775	3.31x10 ⁴	+ +	To be arra
35D	130	3,600	18.1	127.0	16.3	1680	5.62x10 ⁴	78	15.6	1628	6.26x10 ⁴	2F	
40D	210	3,600	22.4	139.7	24.7	3400	8.89x10 ⁴	89	24.0	3317	9.96x10 ⁴		
45D	340	3,600	23.9	152.4	32.5	5600	13.13x10 ⁴	97	31.5	5428	14.44×10 ⁴		
50D	500	3,600	27.4	177.4	50.0	11200	18.96x10 ⁴	109	48.4	10865	21.16x10 ⁴		
55D	650	3,600	28.6	177.8	75.0	20400	26.05x10 ⁴	134	73.9	20127	28.03x10 ⁴		

- * Spring Constant values become linear when torque changes while within the zone of maximum allowable torque specified in this catalogue.
- * "BE" is available in optional lengths upon request.