

Rubiflex

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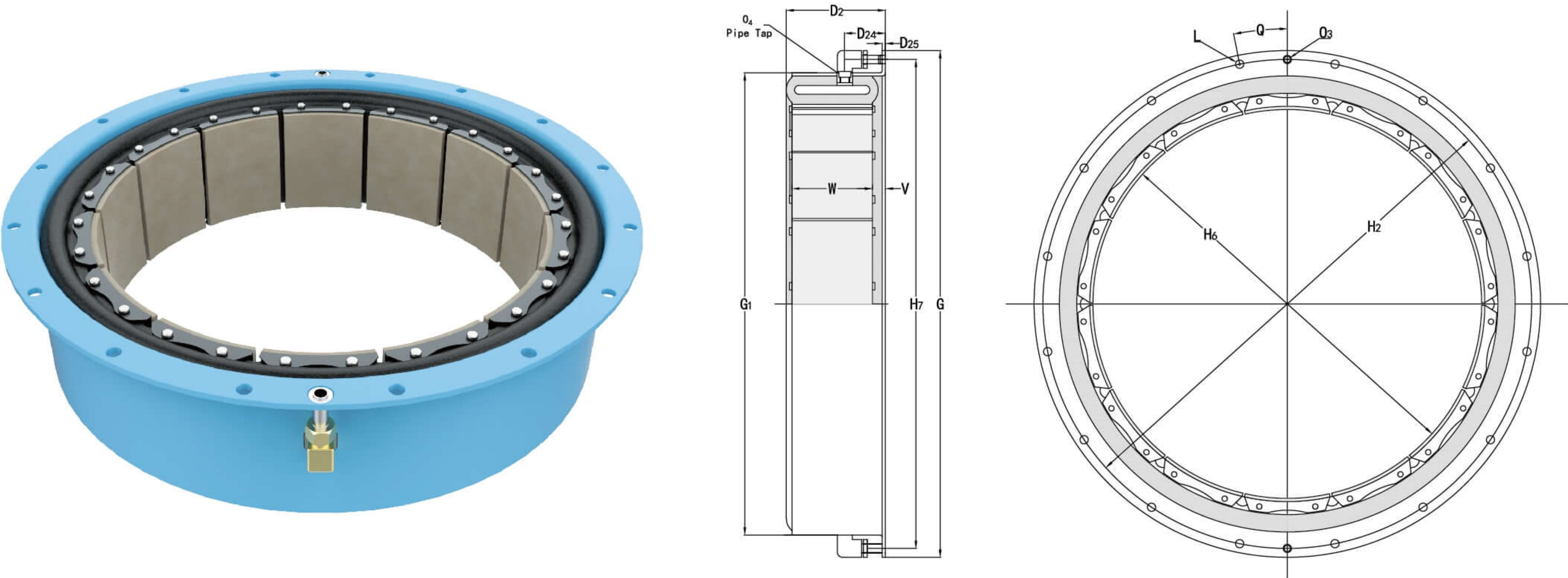


Web: www.rubiflex.cn Email: sales@rubiflex.cn



Clutches & Brakes

Single Flange CB Clutch



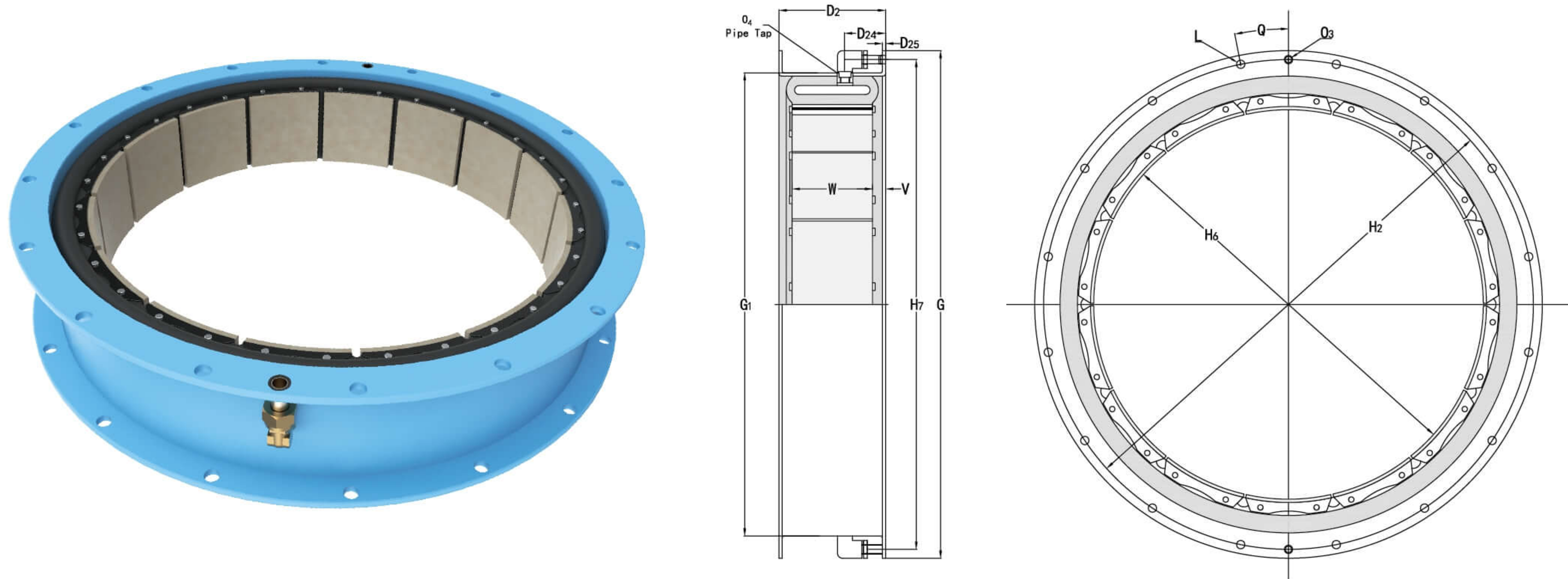
Dimensions Data

Size	Torque Rating	D ₂	D ₂₄	D ₂₅	G	G ₁	H ₂	H ₆	H ₇	L (Bolt)		O ₃	O ₄	Deg	V	W	
										No.	Size					No.	Width
3CB150	40.7	55	30	2	160.0	123	146.0	80	146	8	6	7	1/8-27	22.500	9	6	38
4CB200	113	67	35	2	184.1	148	169.9	105	170	8	6	5	1/8-27	22.500	10	6	51
5CB200	165	72	38	2	224.0	183	205.0	131	205	8	8	7	1/8-27	22.500	12	6	51
6CB200	231	75	40	2	273.1	230	254.0	156	254	8	10	8	3/8-18	22.500	14	6	51
8CB250	485	87	48	2	327.0	284	308.0	207	308	8	10	8	3/8-18	22.500	14	8	64
10CB300	921	105	51	5	390.5	346	371.5	257	371	12	10	8	3/8-18	15.000	17	10	76
12CB350	1500	120	51	5	447.7	403	428.6	308	429	14	10	8	3/8-18	12.857	17	12	89
14CB400	2230	133	51	5	498.5	454	479.4	359	479	16	10	8	3/8-18	11.250	17	14	102
SI	N · m	Dimensions in millimeters															
	@ 5.2bar																

Technical Parameter

Size	Torque Rating	Maximum Speed	Centrifugal Loss Constant	Moment of Inertia	Weight	Friction Area	Friction Lining Thickness		Air Tube Cavity	Minimum Drum Diameter
							New	Worn		
3CB150	40.7	2000	0.10 E-06	0.00	0.8	90.3	5	1	0.12	74
4CB200	113	2000	0.12 E-06	0.01	1.1	148.4	3	1	0.17	99
5CB200	165	2000	0.14 E-06	0.02	1.6	193.5	5	1	0.28	124
6CB200	231	1800	0.41 E-06	0.04	3.2	232.2	4	2	0.32	150
8CB250	485	1800	0.48 E-06	0.08	4.1	393.5	3	2	0.49	201
10CB300	921	1800	0.69 E-06	0.25	8.6	587.0	5	2	0.82	251
12CB350	1500	1800	0.83 E-06	0.46	12	825.6	5	2	1.31	302
14CB400	2230	1800	1.04 E-06	0.71	14	1096.5	5	2	1.15	353
SI	N · m	rpm	bar/rpm ²	kg · m ²	kg	cm ²	mm		dm ³	mm
	@ 5.2bar									

Dual Flange CB Clutch



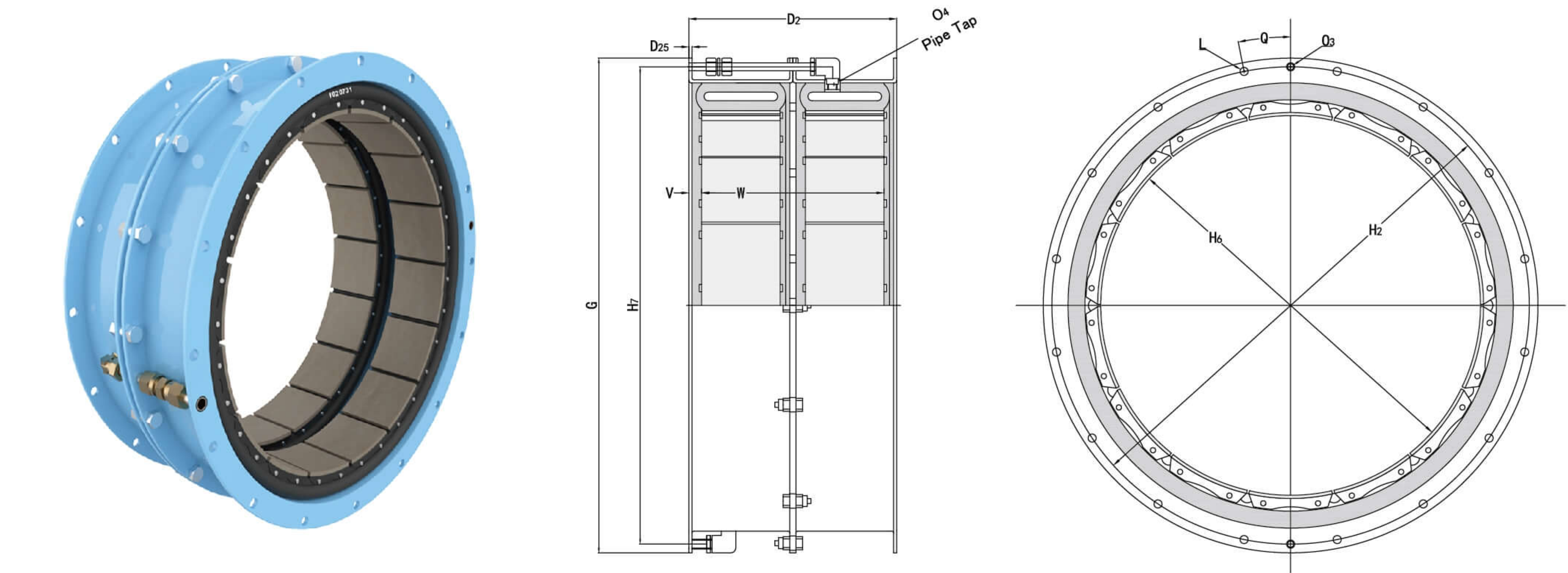
Dimensions Data

Size	Torque Rating	D ₂	D ₂₄	D ₂₅	G	G ₁	H ₂	H ₆	H ₇	L (Bolt)		O ₃	O ₄	Q	V	W	
										No.	Size					No.	Width
12CB350	1500	124	51	5	447.7	403	428.6	308	429	14	10	8	3/8-18	12.857	17	12	89
14CB400	2230	137	51	5	498.5	454	479.4	359	479	16	10	8	3/8-18	11.250	17	14	102
16CB500	3980	168	64	5	596.9	527	571.5	411	565	8	13	10	3/8-18	22.500	21	10	127
18CB500	4970	168	64	5	647.7	578	619.1	462	619	12	13	10	3/8-18	15.000	21	11	127
20CB500	6060	168	64	5	698.5	629	669.9	513	670	12	13	10	3/8-18	15.000	21	12	127
22CB500	7040	168	64	5	749.3	679	720.7	564	721	12	13	10	3/8-18	15.000	21	13	127
24CB500	8480	168	64	5	800.1	730	771.5	614	772	16	13	10	3/8-18	11.250	21	14	127
26CB525	10400	176	64	6	863.6	787	831.9	665	826	16	16	13	1/2-14	11.250	21	16	133
28CB525	12000	176	64	6	914.4	838	882.7	716	876	16	16	13	1/2-14	11.250	21	17	133
30CB525	13700	176	64	6	965.2	889	933.5	767	927	16	16	13	1/2-14	11.250	21	18	133
32CB525	15500	176	64	6	1016.0	940	984.3	818	978	18	16	13	1/2-14	10.000	21	19	133
36CB525	19400	176	70	7	1133.5	1056	1095.4	919	1099	18	19	16	3/4-14	10.000	21	22	133
40CB525	23800	176	70	7	1235.1	1157	1197	1021	1200	20	19	16	3/4-14	9.000	21	24	133
45CB525	29400	176	70	7	1362.1	1287	1324	1148	1327	24	19	16	3/4-14	7.500	21	27	133
SI	N · m	Dimensions in millimeters															
	@5.2bar																

Technical Parameter

Size	Torque Rating	Maximum Speed	Centrifugal Loss Constant	Moment of Inertia	Weight	Friction Area	Friction Lining Thickness		Air Tube Cavity	Minimum Drum Diameter
							New	Worn		
12CB350	1470	1800	0.83 E-06	0.50	14	826	5	2	1.31	302
14CB400	2230	1800	1.04 E-06	0.88	16	1097	5	2	1.15	353
16CB500	3980	1550	1.38 E-06	2.18	34	1554	7	2	2.30	403
18CB500	4970	1400	1.59 E-06	2.94	37	1690	7	2	2.62	454
20CB500	6060	1300	1.73 E-06	3.78	40	1858	7	2	2.79	505
22CB500	7040	1250	1.93 E-06	4.79	43	2012	7	2	3.12	555
24CB500	8480	1200	2.07 E-06	5.96	46	2180	7	2	3.28	606
26CB525	10400	1100	2.35 E-06	8.82	60	2606	8	2	4.26	656
28CB525	12000	1000	2.55 E-06	10.58	63	2774	8	2	4.59	706
30CB525	13700	950	2.76 E-06	12.73	67	2954	8	2	4.76	757
32CB525	15500	900	2.97 E-06	15.08	71	3115	8	2	5.08	808
36CB525	19400	800	3.31 E-06	21.42	81	3548	8	2	5.74	910
40CB525	23800	750	3.59 E-06	30.66	91	3935	8	2	6.23	1011
45CB525	29400	670	4.42 E-06	46.83	119	4354	8	2	7.05	1137
SI	N · m	rpm	bar/rpm ²	kg · m ²	kg	cm ²	mm		dm ³	mm
	@5.2bar									

Dual CB Clutch



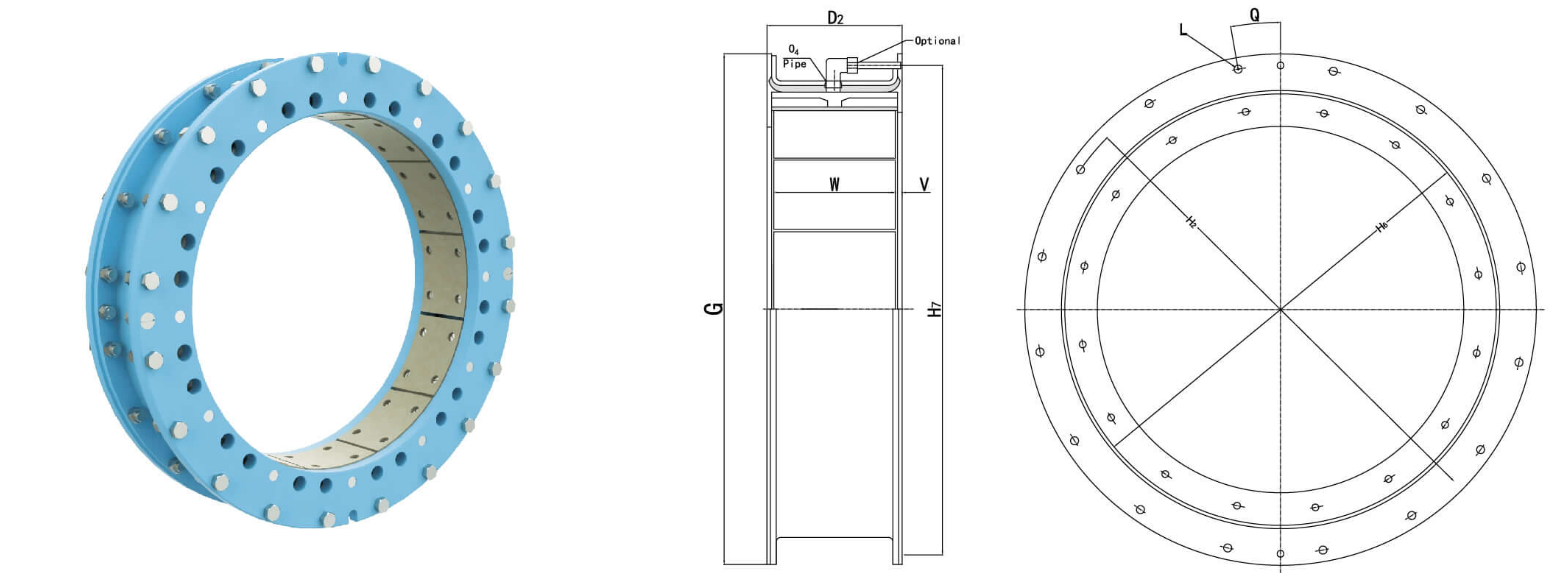
Dimensions Data

Size	Torque Rating	D ₂	D ₂₅	G	H ₂	H ₆	H ₇	L (Bolt)		O ₃	O ₄	Deg	V	W	
								No.	Size					No.	Width
12CB350	3010	257	5	447.7	428.6	308	429	14	10	8	3/8 –18	12.857	17	24	222
14CB400	4450	283	5	498.5	479.4	359	479	16	10	8	3/8 –18	11.250	17	28	248
16CB500	7960	346	5	596.9	571.5	411	565	8	13	10	3/8 –18	22.500	21	20	305
18CB500	9940	346	5	647.7	619.1	462	619	12	13	10	3/8 –18	15.000	21	22	305
20CB500	12100	346	5	698.5	669.9	513	670	12	13	10	3/8 –18	15.000	21	24	305
22CB500	14100	346	5	749.3	720.7	564	721	12	13	10	3/8 –18	15.000	21	26	305
24CB500	17000	346	5	800.1	771.5	614	772	16	13	10	3/8 –18	11.300	21	28	305
26CB525	20900	362	6	863.6	831.9	665	826	16	16	13	1/2 –14	11.300	21	32	319
28CB525	24000	367	6	914.4	882.7	716	876	16	16	13	1/2 –14	11.300	21	34	322
30CB525	27300	367	6	965.2	933.5	767	927	16	16	13	1/2 –14	11.300	21	36	322
32CB525	31000	367	6	1016.0	984.3	818	978	18	16	13	1/2 –14	10.000	21	38	322
36CB525	38900	367	6	1133.5	1095.4	919	1099	18	19	16	3/4 –14	10.000	21	44	322
40CB525	47700	367	6	1235.1	1197.0	1021	1200	20	19	16	3/4 –14	9.000	21	48	322
45CB525	58800	367	7	1362.1	1324.0	1148	1327	24	19	16	3/4 –14	7.500	21	54	322
SI	N · m	Dimensions in millimeters													
	@ 5.2bar														

Technical Parameter

Size	Torque Rating	Maximum Speed	Centrifugal Loss Constant	Moment of Inertia	Weight	Friction Area	Friction Lining Thickness		Air Tube Cavity	Minimum Drum Diameter
							New	Worn		
12CB350	3010	1800	0.83 E-06	1.05	28	1651	5	2	2.62	302
14CB400	4450	1800	1.04 E-06	1.76	34	2193	5	2	2.3	353
16CB500	7960	1550	1.38 E-06	4.45	68	3109	7	2	4.59	403
18CB500	9940	1400	1.59 E-06	6.05	75	3380	7	2	5.25	454
20CB500	12100	1300	1.73 E-06	7.77	82	3715	7	2	5.58	505
22CB500	14100	1250	1.93 E-06	9.79	88	4025	7	2	6.23	555
24CB500	17000	1200	2.07 E-06	12.26	95	4360	7	2	6.56	606
26CB525	20900	1050	2.35 E-06	18.14	123	5212	8	2	8.53	656
28CB525	24000	1000	2.55 E-06	21.71	130	5547	8	2	9.18	706
30CB525	27300	950	2.76 E-06	26.08	137	5908	8	2	9.51	757
32CB525	31000	900	2.97 E-06	30.91	145	6231	8	2	10.2	808
36CB525	38900	800	3.31 E-06	44.18	166	7095	8	2	11.5	910
40CB525	47700	750	3.59 E-06	63.08	187	7869	8	2	12.5	1011
45CB525	58800	670	4.42 E-06	96.31	243	8708	8	2	14.1	1137
SI	N · m	rpm	bar/rpm ²	kg . m ²	kg	cm ²	mm		dm ³	mm
	@ 5.2bar									

DY Diaphragm Pneumatic Clutch



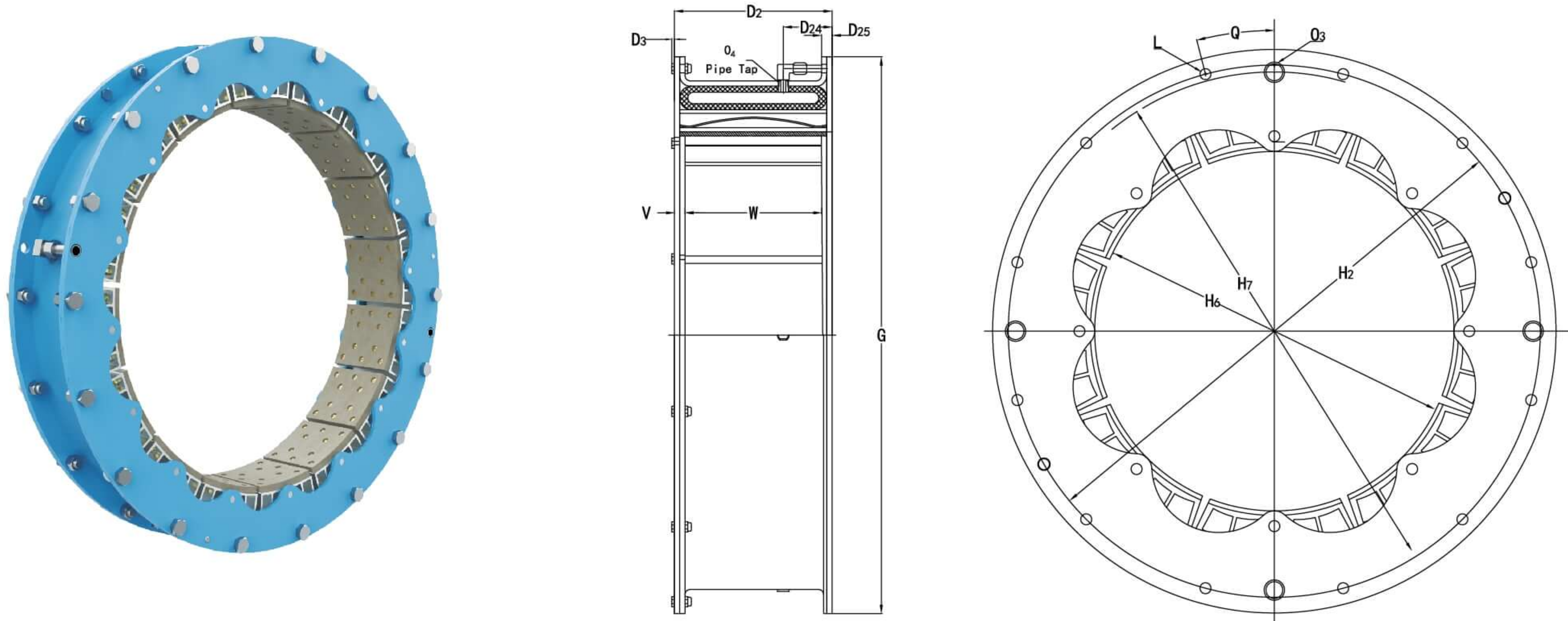
Dimensions Data

Size	Torque Rating	G	D ₂	H ₇	H ₆	H ₂	L		Q	Pipe Tap	V	Friction	
							Φ	H ₇		O ₄		W	C
24" × 5 ¹ / ₄ "	12890	800	175	772.0	614.6	772.0	1/2"RW	16	11° 15 '	2–3/8"gas	20.5	134	10
28" × 5 ¹ / ₄ "	17370	915	179	884.0	716.2	884.0	5/8"RW	16	11° 15 '	2–3/8"gas	22.5	134	12
28" × 10"	34050	956	309	911.3	716.2	915.5	3/4"RW	16	11° 15 '	2–3/8"gas	27.5	254	12
32" × 10"	49800	1071	324.5	1028.7	818.0	1028.7	3/4"RW	18	10 °	2–1/2"gas	35.2	254	12
40" × 10"	77360	1273	324.5	1232.5	1022.0	1232.5	3/4"RW	24	7° 30 '	2–1/2"gas	35.2	254	14
46" × 10"	91080	1425	325.5	1383.0	1175.0	1383.0	3/4"RW	24	7° 30 '	2–1/2"gas	35.7	254	16
SI	N · m	Dimensions in millimeters											
	@ 5.2bar												

Technical Parameter

Size	Torque Rating	Maximum Speed	C.Centrifugal Loss Constant	WK ² J	Weight Mass	Friction Area	Friction Lining Thickness		Air Tube Cavity	Minimum Drum Diameter
24" × 5¼" "	12890	1100	3.35	15.50	132	3200	11.5	8.5	3.30	607
28" × 5¼" "	17370	1050	3.97	22.40	187	3630	12.0	9.0	4.50	706
28" × 10"	34050	1000	4.10	34.77	315	5400	12.7	9.0	8.69	706
32" × 10"	49800	900	4.35	66.10	420	6100	15.8	10.5	9.84	808
40" × 10"	77360	670	5.93	154.50	478	8970	15.8	10.5	13.90	1010
46" × 10"	91080	600	7.45	203.30	526	10230	15.8	10.5	19.80	1162
SI	N · m	rpm	bar/rpm ²	kg · m ²	kg	cm ²	New	Worn	dm ³	mm
	@ 5.2bar						mm			

Single Narrow VC Clutch



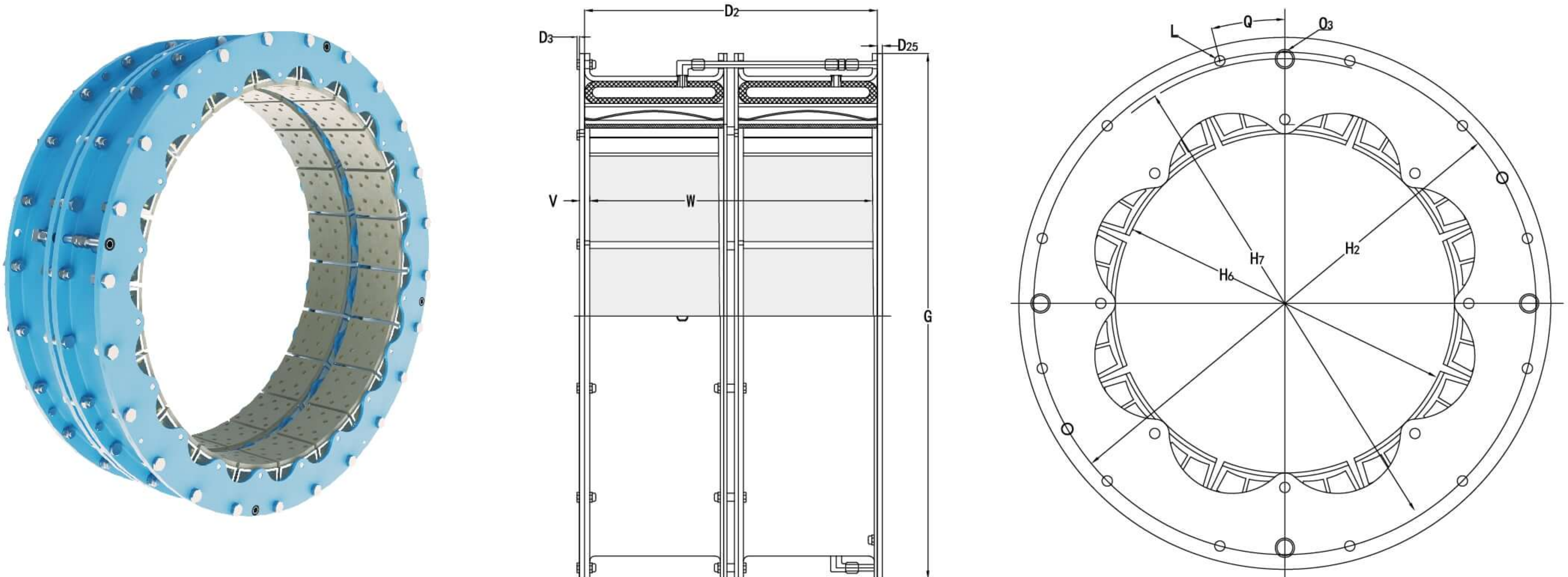
Dimensions Data

Size	Torque Rating	D ₂	D ₃	D ₂₄	D ₂₅	G	H ₂	H ₆	H ₇	L		O ₃	O ₄		Q (Deg)	V	W	
										No.	Dia meter		No.	Size			No.	Width
11.5VC500	3050	156	6	60	10	498.5	479.4	295	479	16	9.5	8	2	3/8–18NPT	11.25	14	8	127
14VC500	4430	156	8	73	15	596.9	571.5	361	565	8	12.7	10	4	3/8–18NPT	22.50	14	8	127
16VC600	7340	187	8	73	15	647.7	619.1	412	619	12	12.7	10	4	3/8–18NPT	15.00	17	8	152
20VC600	10505	187	8	73	15	749.3	720.7	514	721	12	12.7	10	4	3/8–18NPT	15.00	17	10	152
24VC650	15250	195	10	73	16	863.6	831.9	615	826	16	15.9	13	4	1/2–14NPT	11.25	15	12	165
28VC650	20560	195	10	73	16	965.2	933.5	717	927	16	15.9	13	4	1/2–14NPT	11.25	15	14	165
33VC650	28810	195	12	79	16	1133.5	1095.4	844	1099	18	19.1	16	4	3/4–14NPT	15.00	15	16	165
37VC650	36155	195	12	79	17	1235.1	1197.0	945	1200	20	19.1	16	4	3/4–14NPT	9.00	15	18	165
42VC650	42930	195	12	79	17	1362.1	1324.0	1072	1327	24	19.1	16	4	3/4–14NPT	7.50	15	20	165
SI	N · m	Dimensions in millimeters																
	@ 5.2bar																	
The parameters of 35VC650 is under revision.																		

Technical Parameter

Size	Torque Rating	Maximum Speed	Centrifugal Loss Constant	Moment of Inertia	Weight	Friction Area	Friction Lining Thickness		Air Tube Cavity	Minimum Drum Diameter
							New	Worn		
11.5VC500	3050	1800	1.59 E-06	1.81	43	1071	8	4	1.15	290
14VC500	4430	1500	1.93 E-06	3.28	58	1322	8	4	1.56	353
16VC600	7340	1400	2.00 E-06	4.83	68	1825	8	4	1.97	404
20VC600	10505	1200	2.76 E-06	8.11	81	2451	8	4	2.3	505
24VC650	15250	1050	3.38 E-06	15.50	111	3006	11	4	3.28	607
28VC650	20560	1000	4.00 E-06	22.55	127	3535	11	4	4.43	706
33VC650	28810	900	5.11 E-06	45.49	178	4147	14	7	5.9	833
37VC650	36155	800	6.21 E-06	58.80	196	4644	14	7	6.56	935
42VC650	42930	800	6.56 E-06	83.58	220	5302	14	7	7.22	1062
SI	N · m	rpm	bar/rpm ²	kg · m ²	kg	cm ²	mm		dm ³	mm
	@ 5.2bar									

Dual Narrow VC Clutch



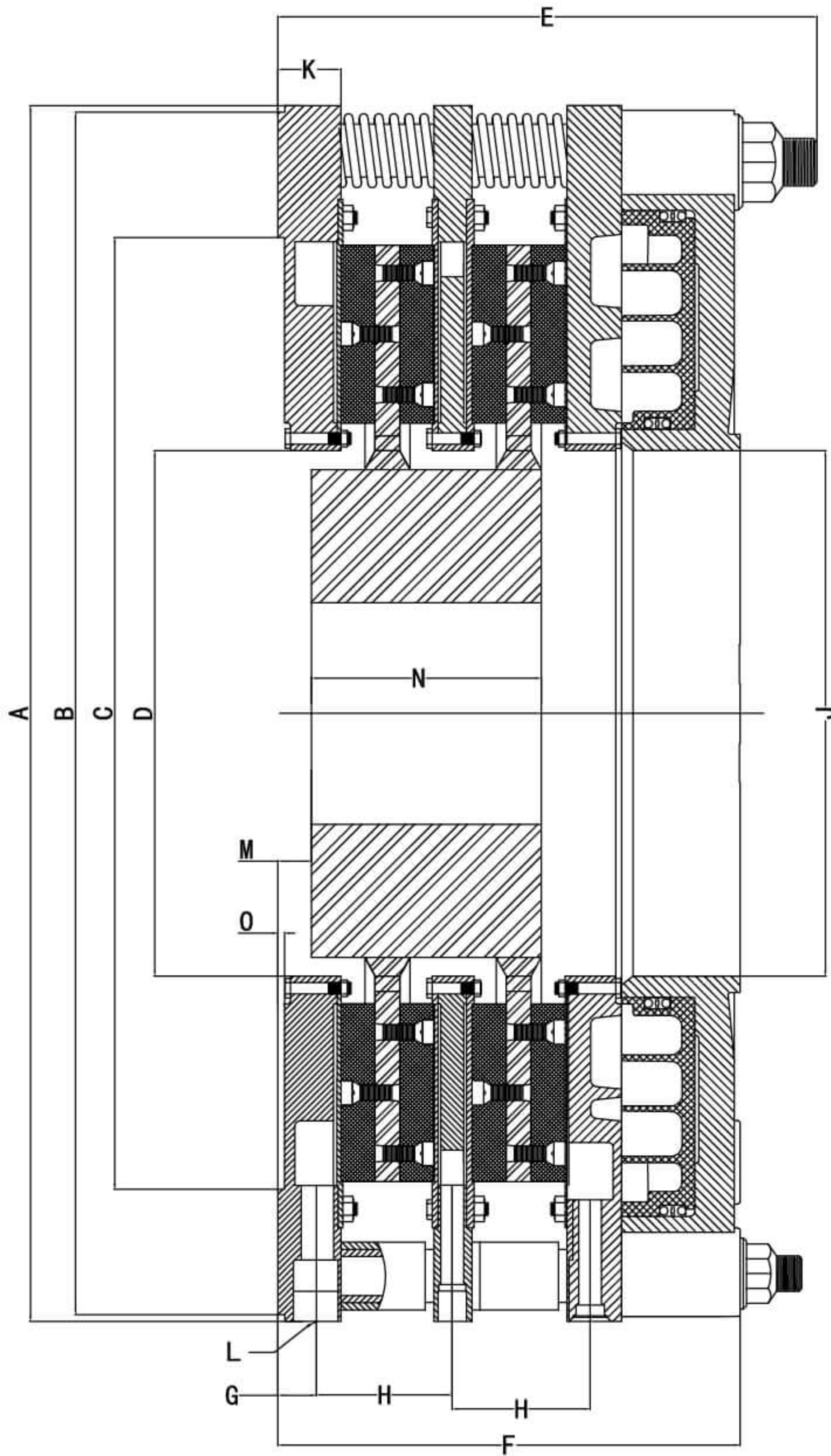
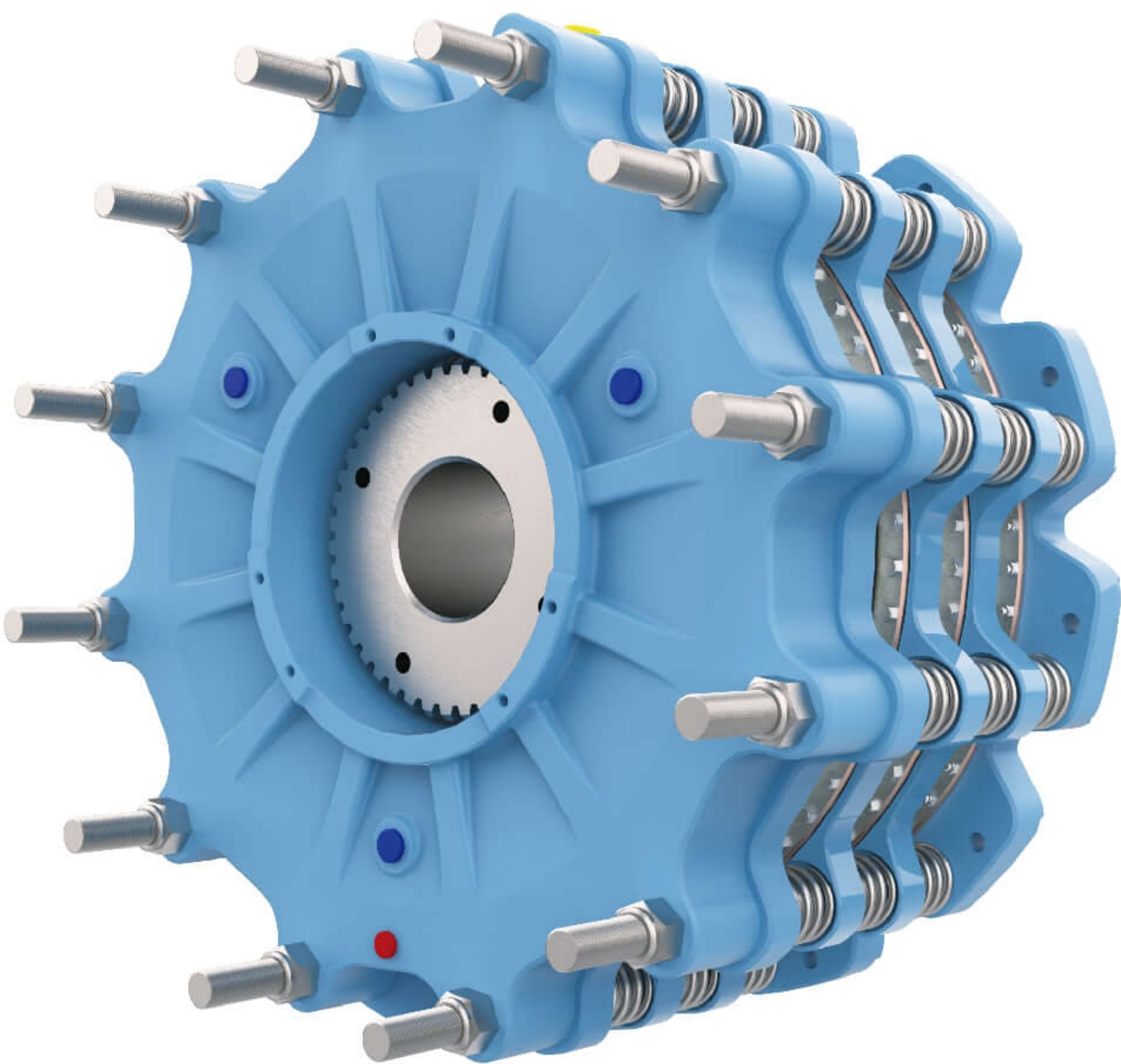
Dimensions Data

Size	Torque Rating	D ₂	D ₃	D ₂₅	G	H ₂	H ₆	H ₇	L		O ₃		Q (Deg)	V	W	
									No.	Diameter	No.	Size			No.	Width
11.5VC500	6100	324	6	14	498.5	479.4	295	479	16	9.5	2	8	11.25	14	16	295
14VC500	8860	322	8	14	596.9	571.5	361	565	8	12.7	4	10	22.50	14	16	294
16VC600	14690	386	8	14	647.7	619.1	412	619	12	12.7	4	10	15.00	17	16	351
20VC600	21010	386	8	14	749.3	720.7	514	721	12	12.7	4	10	15.00	17	20	351
24VC650	30500	405	10	16	863.6	831.9	615	826	16	15.9	4	13	11.25	15	24	375
28VC650	41125	405	10	16	965.2	933.5	717	927	16	15.9	4	13	11.25	15	28	375
33VC650	57620	405	12	18	1133.5	1095.4	844	1099	18	19.1	4	16	15.00	15	32	375
37VC650	72310	405	12	18	1235.1	1197.0	945	1200	20	19.1	4	16	9.00	15	36	375
42VC650	85870	405	12	18	1362.1	1324.0	1072	1327	24	19.1	4	16	7.50	15	40	375
SI	N · m	Dimensions in millimeters														
	@ 5.2bar															
The parameters of 35VC650 is under revision.																

Technical Parameter

Size	Torque Rating	Maximum Speed	Centrifugal Loss Constant	Moment of Inertia	Weight	Friction Area	Friction Lining Thickness		Air Tube Cavity	Minimum Drum Diameter
							New	Worn		
11.5VC500	6100	1800	1.59 E-06	3.61	89	2141	8	4	2.30	290
14VC500	8860	1500	1.93 E-06	6.55	117	2645	8	4	3.12	353
16VC600	14690	1400	2.00 E-06	9.66	139	3651	8	4	3.94	404
20VC600	21010	1200	2.76 E-06	16.21	164	4902	8	4	4.59	505
24VC650	30500	1050	3.38 E-06	31.00	225	6011	11	4	6.56	607
28VC650	41125	1000	4.00 E-06	45.11	256	7069	11	4	8.86	706
33VC650	57620	900	5.11 E-06	90.97	355	8295	14	7	11.80	833
37VC650	72310	800	6.21 E-06	117.60	395	9288	14	7	13.10	935
42VC650	85870	800	6.56 E-06	167.20	444	10604	14	7	14.40	1062
SI	N · m	rpm	bar/rpm ²	kg · m ²	kg	cm ²	mm		dm ³	mm
	@ 5.2bar									

Water Cooled Brake



Technical Parameter

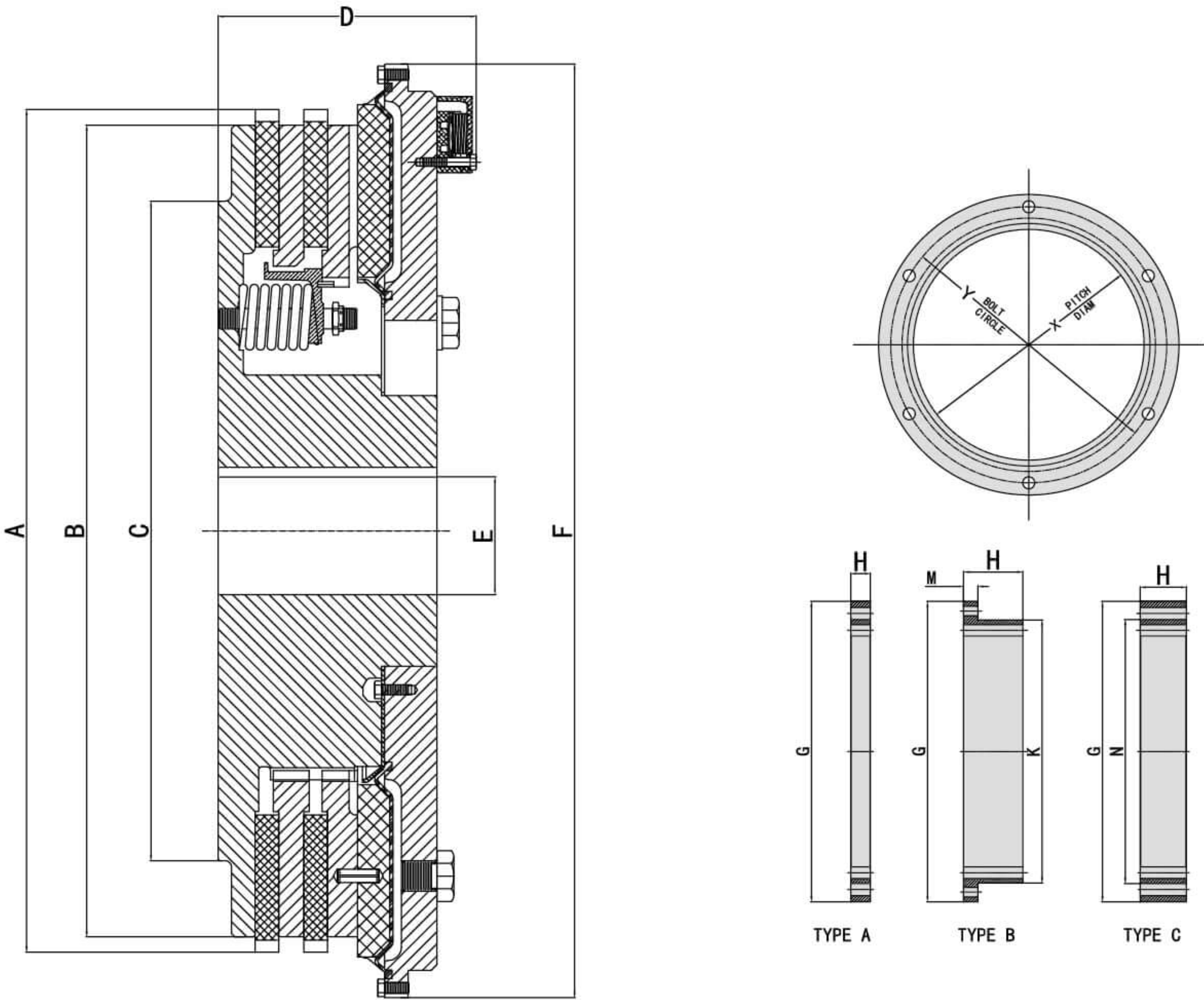
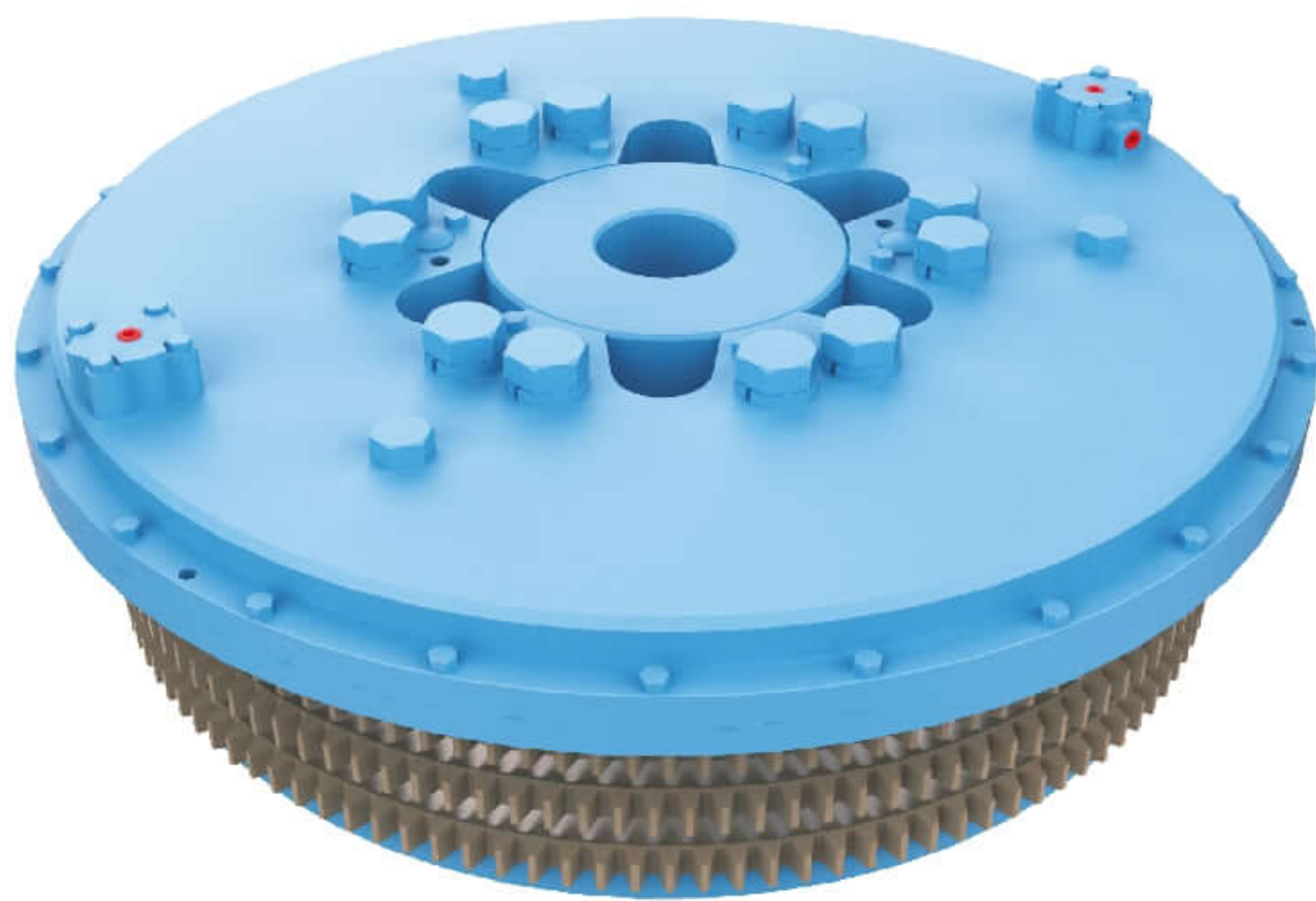
Size	Torque Ratings @100psi (lb – in) / 7bar (N · m)								Air Volume / Engagement				Max Slip Speed	Max Dis- engaged Speed	WEIGHT AND INERTIA		
	Standard Friction Material		High Coeff Friction Material		Heat Dissipation Capacity		Water Flow (Minimum)		New		Worn				Total Weight	Hub & DP Weight	Hub & DP Inertia
	lb–in	Nm	lb–in	Nm	Hp	Kw	gpm	L/min	in³	L	in³	L	rpm	rpm	lb (Kg)	lb (Kg)	lbft² (wr) (kgm² (J))
118	44900	5150	67100	7700	120	89.5	12	45.4	59	1.0	122	2.0	850	1560	331(150)	86(39)	18.8(0.79)
218	89800	10310	134200	15400	240	179.0	24	90.8	69	1.1	122	2.0	850	1560	460(209)	172(78)	38.1(1.61)
318	134700	15460	201300	23100	360	268.5	36	136.3	78	1.3	122	2.0	850	1560	848(385)	272(123)	57.4(2.42)
418	179600	20620	268400	30810	480	357.9	48	181.7	88	1.4	122	2.0	850	1560	1236(561)	372(169)	78.1(3.29)
124	111600	12800	166700	19130	270	201.3	27	102.2	170	2.8	299	4.9	640	1170	810(367)	196(89)	71.9(3.03)
224	223200	25600	333400	38260	540	402.7	54	204.4	190	3.1	299	4.9	640	1170	1208(548)	428(194)	148(6.21)
324	334800	38400	500100	57380	810	604.0	81	306.6	209	3.4	299	4.9	640	1170	1624(737)	631(286)	219(9.21)
424	446400	51200	666700	76510	1080	805.4	108	408.8	228	3.7	299	4.9	640	1170	1950(884)	850(386)	294(12.4)
136	375500	43080	561200	64380	650	484.7	65	246.1	271	4.4	661	10.8	425	775	2687(1219)	474(215)	374(15.8)
236	751000	86160	1122400	128750	1300	969.4	130	492.1	313	5.1	661	10.8	425	775	3919(1777)	908(412)	704(29.7)
336	1126500	129250	1683600	193130	1950	1454	195	738.2	355	5.8	661	10.8	425	775	5400(2449)	1345(610)	1107(46.6)
436	1502000	172330	2244800	257500	2600	1939	260	984.2	396	6.5	661	10.8	425	775	6501(2948)	1997(906)	1524(64.2)
Torque rating is dependent on air pressure applied. Brake torque is directly proportional to the air pressure applied. Maximum allowable air pressure is 130 psi (9bar)																	

Dimensions Data

SIZE	A	B	C	D	E	F	G	H	J	K	L COOLANT INLETS / OUTLETS		M	N	O	P AIR INLETS			Q	R			S MOUNTING HOLES			BORE RANGE	
		+ .000 / – .003 (+.00 / –.08)	+ .003 / – .000 (+.08 / –.00)								QTY	SIZE (NPT)				QTY	TAP SIZE	HOLE CENTER		QTY	SIZE	BOLT CIRCLE	QTY*	SIZE	BOLT CIRCLE	MIN	MAX*
118	23 5/8 (600.1)	23.250(590.55)	18.250(463.55)	11 (279.4)	9 47/64(247.3)	7 1/4 (184.2)	7/8 (22.2)	3 7/32 (81.8)	8 1/2 (215.9)	1 1/2 (38.1)	4	1/2–14	1 1/4 (31.8)	2 13/16(71.4)	1/4 (6.4)	2	1/2–14	14.188(360.36)	25°	3	3/8–16	9.125(231.78)	10	21/32 (16.7)	22.000(558.8)	2 1/4 (57.2)	5 11/32(135.7)
218	23 5/8 (600.1)	23.250(590.55)	18.250(463.55)	11 (279.4)	13 5/32 (334.2)	10 19/32(269.1)	7/8 (22.2)	3 7/32 (81.8)	8 1/2 (215.9)	1 1/2 (38.1)	8	1/2–14	1 1/4 (31.8)	5 5/8 (142.9)	1/4 (6.4)	2	1/2–14	14.188(360.36)	25°	3	3/8–16	9.125(231.78)	10	21/32 (16.7)	22.000(558.8)	2 1/4 (57.2)	5 11/32(135.7)
318	23 5/8 (600.1)	23.250(590.55)	18.250(463.55)	11 (279.4)	17 1/4 (438.2)	13 15/16(354.0)	7/8 (22.2)	3 7/32 (81.8)	8 1/2 (215.9)	1 1/2 (38.1)	12	1/2–14	1 1/4 (31.8)	9 5/8 (244.5)	1/4 (6.4)	2	1/2–14	14.188(360.36)	25°	3	3/8–16	9.125(231.78)	10	21/32 (16.7)	22.000(558.8)	2 1/4 (57.2)	5 11/32(135.7)
418	23 5/8 (600.1)	23.250(590.55)	18.250(463.55)	11 (279.4)	21 1/2 (546.1)	17 9/32(438.9)	7/8 (22.2)	3 7/32 (81.8)	8 1/2 (215.9)	1 1/2 (38.1)	16	1/2–14	1 1/4 (31.8)	12 1/2 (317.5)	1/4 (6.4)	2	1/2–14	14.188(360.36)	25°	3	3/8–16	9.125(231.78)	10	21/32 (16.7)	22.000(558.8)	2 1/4 (57.2)	5 11/32(135.7)
124	30 5/8 (777.9)	29.998(761.95)	24.375(619.13)	12 3/4 (323.9)	11 (279.4)	9 17/64(235.3)	1 1/16 (27.0)	4 1/8 (104.8)	11 1/2 (292.1)	1 3/4 (44.5)	4	3/4–14	1 3/8 (34.9)	3 1/2 (88.9)	1/4 (6.4)	2	1/2–14	18.500(469.90)	24°	6	3/8–16	12.250(311.15)	10	21/32 (16.7)	28.750(730.25)	2 3/4 (69.9)	7 (177.8)
224	30 5/8 (777.9)	29.998(761.95)	24.375(619.13)	12 3/4 (323.9)	15 1/2 (393.7)	13 5/16(338.1)	1 1/16 (27.0)	4 1/8 (104.8)	11 1/2 (292.1)	1 3/4 (44.5)	8	3/4–14	1 3/8 (34.9)	8 5/8 (219.1)	1/4 (6.4)	2	1/2–14	18.500(469.90)	24°	6	3/8–16	12.250(311.15)	10	21/32 (16.7)	28.750(730.25)	2 3/4 (69.9)	7 (177.8)
324	30 5/8 (777.9)	29.998(761.95)	24.375(619.13)	12 3/4 (323.9)	24 (609.6)	17 11/32(440.5)	1 1/16 (27.0)	4 1/8 (104.8)	11 1/2 (292.1)	1 3/4 (44.5)	12	3/4–14	1 3/8 (34.9)	13 3/16 (335.0)	1/4 (6.4)	2	1/2–14	18.500(469.90)	24°	6	3/8–16	12.250(311.15)	10	21/32 (16.7)	28.750(730.25)	2 3/4 (69.9)	7 (177.8)
424	30 5/8 (777.9)	29.998(761.95)	24.375(619.13)	12 3/4 (323.9)	30 1/2 (774.7)	21 7/16(544.5)	1 1/16 (27.0)	4 1/8 (104.8)	11 1/2 (292.1)	1 3/4 (44.5)	16	3/4–14	1 3/8 (34.9)	16 15/16(430.2)	1/4 (6.4)	2	1/2–14	18.500(469.90)	24°	6	3/8–16	12.250(311.15)	10	21/32 (16.7)	28.750(730.25)	2 3/4 (69.9)	7 (177.8)
136	44 55/64 (1139.4)	44.498 ¹ (1130.25) ¹	18.375(466.73)	16 1/2 (419.1)	17 (431.8)	12 1/16(306.4)	1 17/32(38.9)	4 31/32(126.2)	16 1/2 (419.1)	2 19/32(65.9)	4	1–1/4–11 1/2	2 3/8 (60.3)	5 (127.0)	9/32 (7.1)	3	1/2–14	28.000(711.20)	18.75°	6	1/2–13	17.500(444.50)	14	1 1/16 (27.0)	42.000(1066.80)	4 (101.6)	10 1/8(257.2)
236	44 55/64 (1139.4)	44.498 ¹ (1130.25) ¹	18.375(466.73)	16 1/2 (419.1)	20 3/4 (527.1)	17 1/32(432.6)	1 17/32(38.9)	4 31/32(126.2)	16 1/2 (419.1)	2 19/32(65.9)	8	1–1/4–11 1/2	2 3/8 (60.3)	9 (228.6)	9/32 (7.1)	3	1/2–14	28.000(711.20)	18.75°	6	1/2–13	17.500(444.50)	14	1 1/16 (27.0)	42.000(1066.80)	4 (101.6)	10 1/8(257.2)
336	44 55/64 (1139.4)	44.498 ¹ (1130.25) ¹	18.375(466.73)	16 1/2 (419.1)	27 1/2 (698.5)	22 (558.8)	1 17/32(38.9)	4 31/32(126.2)	16 1/2 (419.1)	2 19/32(65.9)	12	1–1/4–11 1/2	2 3/8 (60.3)	13 (330.2)	9/32 (7.1)	3	1/2–14	28.000(711.20)	18.75°	6	1/2–13	17.500(444.50)	14	1 1/16 (27.0)	42.000(1066.80)	4 (101.6)	10 1/8(257.2)
436	44 55/64 (1139.4)	44.498 ¹ (1130.25) ¹	18.375(466.73)	16 1/2 (419.1)	35 (889.0)	26 31/32(685.0)	1 17/32(38.9)	4 31/32(126.2)	16 1/2 (419.1)	2 19/32(65.9)	16	1–1/4–11 1/2	2 3/8 (60.3)	18 (457.2)	9/32 (7.1)	3	1/2–14	28.000(711.20)	18.75°	6	1/2–13	17.500(444.50)	14	1 1/16 (27.0)	42.000(1066.80)	4 (101.6)	10 1/8(257.2)

NOTES: 1. 36" brakes: +0.000/–0.005 (+0.00/–0.13)
2. 18" and 24" brakes have (10) mounting holes based on a (12) hole pattern,
36" brakes have (14) mounting holes based on a (16) hole pattern, (2) holes omitted for coolant inlets/outlets
3. Maximum bores shown are with a standard square key. Contact RUBFLEX Engineering for bore sizes exceeding those shown.

PO Clutch



Dimensions Data

Model	Application Duty Classification				Maximum Slip Torque@130 PSI Nm(lb -ft)	Maximum Safe Operating Speed		Air Volume to Engage (fully worn) cubic inches
	Class I Work Torque Nm (lb-ft)	Maximum rating -kw (hp)				Solid Plates	Split Plates	
		Class II	Class III	Class IV				
PO-108	526 (388)	45(61)	31(41)	23(31)	702(518)	3600	3050.0	6.00
PO-208	1068 (788)	92(123)	61(82)	45(61)	1406(1037)	4200	3650.0	11.00
PO-308	1581 (1166)	137(184)	92(123)	69(92)	2108(1555)	4250	3650.0	13.00
PO-110	892 (658)	72(96)	48(64)	36(48)	1189(877)	3100	2650.0	9.00
PO-210	1786 (1317)	143(192)	95(128)	72(96)	2381(1756)	3600	2900.0	16.00
PO-310	2678 (1975)	215(288)	143(192)	107(144)	3570(2633)	3650	2950.0	19.00
PO-111	1569 (1157)	92(124)	61(82)	206(62)	2092(1543)	2850	2200.0	14.00
PO-211	3137 (2314)	184(247)	123(165)	92(124)	4183(3085)	2850	2200.0	25.00
PO-311	4706 (3471)	277(371)	184(247)	139(186)	6275(4628)	3250	2720.0	31.00
PO-114	3813 (2812)	140 (188)	93 (125)	70 (94)	5084 (3750)	2400	1950	34
PO-214	7626 (5625)	280 (376)	187 (251)	140 (188)	10169 (7500)	2500	1950	66
PO-314	11439 (8437)	421 (564)	280 (376)	210 (282)	15253 (11250)	2500	1920	71
PO-118	7575 (5587)	232 (311)	154 (207)	116 (156)	10101 (7450)	1800	1550	56
PO-218	15151 (11175)	464 (622)	309 (415)	232 (311)	20202 (14900)	1950	1550	105
PO-318	22726 (16762)	696 (933)	464 (622)	348 (467)	30303 (22350)	2050	1550	157
PO-124	17592 (12975)	412 (553)	274 (368)	206 (276)	23456 (17300)	1400	1150	115
PO-224	35183 (25950)	825 (1106)	550 (737)	412 (553)	46911 (34600)	1450	1000	220
PO-324	52775 (38925)	1237 (1659)	825 (1106)	618 (829)	70367 (51900)	1450	975	331
PO-230	66096 (48750)	1289 (1728)	859 (1152)	644 (864)	88128 (65000)	1100	925	335
PO-330	99144 (73125)	1933 (2592)	1289 (1728)	966 (1296)	132192 (97500)	1100	925	510
PO-236	113075 (83400)	1855 (2488)	1237 (1659)	928 (1244)	15185 (111200)	825	600	510
PO-336	169613 (125100)	2783 (3732)	1855 (2488)	1391 (1866)	226150 (166800)	1100*	850*	760
PO-342	280654 (207000)	3788 (5080)	2526 (3387)	1894 (2540)	374206 (276000)	1100*	825*	1580

Driving Rings Dimensions Data

Model	Type Ring	G	H	K	M	N	X	Y
PO-108	A	10.38	0.63	-	-	-	8.50	9.63
PO-208	B	11.25	1.44	9.25	0.38			10.25
PO-308	B	11.25	2.38	9.25	0.38			10.25
PO-110	A	12.38	0.88	-	-	-	10.50	11.63
PO-210	B	13.25	1.88	11.38	0.38			12.50
PO-310	B	13.25	2.38	11.38	0.38			12.50
PO-111	A	13.88	0.88	-	-	-	12.00	13.13
PO-211	A	13.88	1.88	-	-			13.13
PO-311	B	15.50	2.63	13.00	0.50			14.38
PO-114	B	18.38	1.13	16.00	0.50	-	14.75	17.25
PO-214			2.38					
PO-314			4.00					
PO-118	A	22.50	1.13	-	-	-	18.75	21.38
PO-218	B		3.06	20.00	0.63			
PO-318	B		4.25	20.13	0.63			
PO-124	A	28.88	1.50	-	-	-	24.75	27.25
PO-224	B		3.50	25.88	0.75			
PO-324	B		5.50	25.88	0.75			
PO-230	C	34.75	4.50	-	4.38	32.00	30.75	33.00
PO-330			7.00	-	6.88			
PO-236	C	40.00	4.75	-	4.63	37.50	36.75	38.50
PO-336			7.50	-	7.38			
PO-342	C	46.75	7.50	-	7.38	46.00	42.75	45.00

Technical Parameter

Model	Weight kg(lbs)	A	B	C	D	E(max.)	F
PO-108	15(32)	8.75	8.00	6.0	3.54	<u>2.4375</u> 2.4365	10.06
PO-208	16(35)				4.39		
PO-308	20(43)				5.24		
PO-110	24(52)	10.75	10.00	6.3	3.89	<u>2.4375</u> 2.4365	11.69
PO-210	28(62)				4.74		
PO-310	33(72)				5.60		
PO-111	32(70)	12.25	11.37	6.12	4.11	<u>2.500</u> 2.499	13.18
PO-211	39(85)				5.09		
PO-311	45(100)				6.07		
PO-114	66(145)	15.15	14.00	10	4.39	<u>3.500</u> 3.499	18.50
PO-214	84(185)				5.77		
PO-314	100(220)				7.14		
PO-118	118(260)	19.15	18.00	9.38	4.80	<u>4.500</u> 4.499	22.50
PO-218	159(350)				6.42		
PO-318	191(420)				8.05		
PO-124	259(570)	25.15	24.00	17.75	5.93	<u>6.000</u> 5.998	28.88
PO-224	299(660)				7.63		
PO-324	399(880)				9.38		
PO-230	508(1120)	31.15	30.00	20.75	8.49	<u>7.000</u> 6.997	34.50
PO-330	590(1300)				10.39		
PO-236	839(1850)	37.15	36.00	23.75	10.20	<u>7.750</u> 7.747	40.00
PO-336	1089(2400)				12.70		
PO-342	1760(3880)	43.15	42.00	34.00	13.50	<u>10.000</u> 9.997	46.75