

H110 VAR 00

Hydraulic Multi Disc Clutch

Characteristics

- Hydraulically operated
- Multi disc
- Function under pressure

Utilisation

- Coupling of a pulley or a hub

Particularities

- For wet use
- Low residual torque
- Shaft driven
- Good graduality

Adjustments

- None required, automatic wear compensation by piston movement

Maintenance Manual

- SM 301

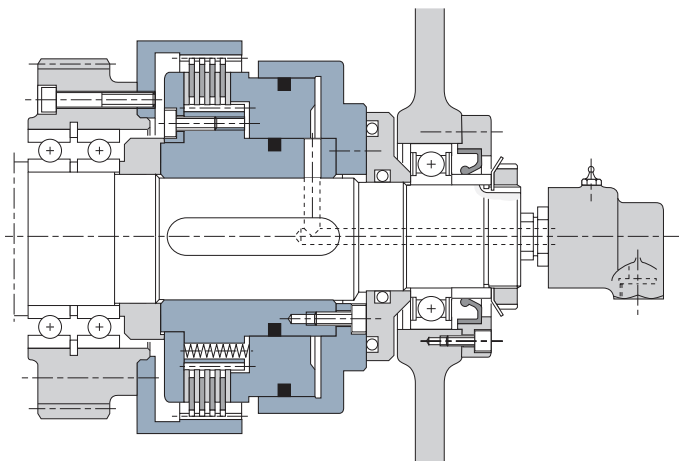
Mounting Precautions

- Provide shaft seals in order to avoid loss of pressure (see ST 0119-01)
- Device intended for horizontal use; for vertical use, please consult the factory

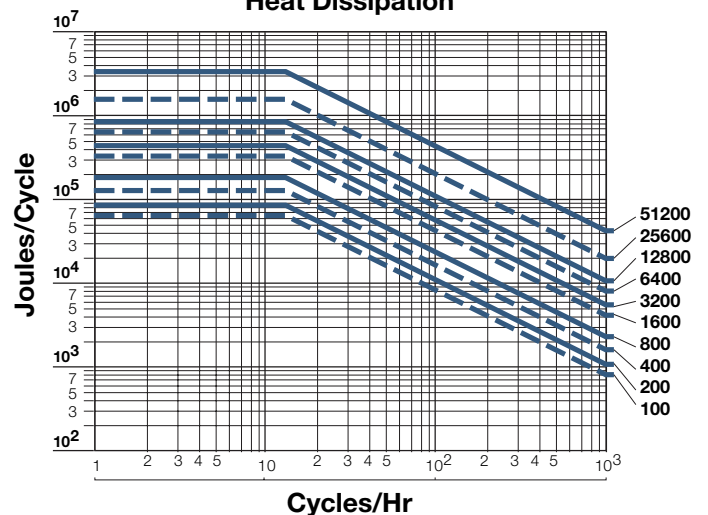
Power Supply

- Filtered oil

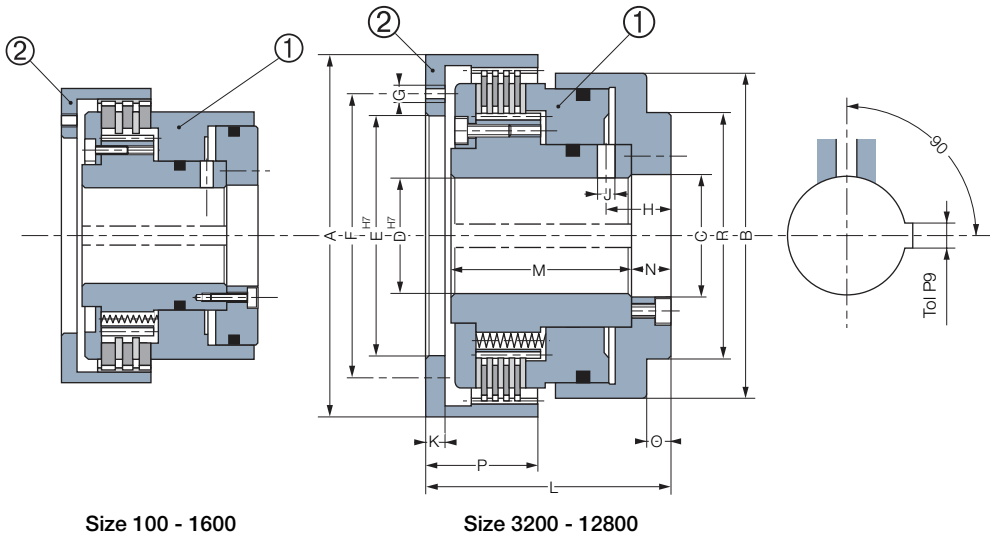
Mounting Example



Heat Dissipation



Indirect Drive



Size 100 - 1600

Size 3200 - 12800

Sizes		100	200	400	800	1600	3200	6400	12800	25600	51200
Nom. Dynamic Torque	[Nm]	100	200	400	800	1600	3200	6400	12800	25600	51200
Nom. Static Torque	[Nm]	150	300	600	1200	2500	5100	10200	20400	40900	81900
Max. Speed	[min ⁻¹]	3600	2900	2700	2000	1800	1500	1300	1,200	1,000	900
Operating Pressure	[bar]	10	8	8	10	10	10	10	16	16	16
A		132	162	180	222	255	290	335	390	510	640
B		110	135	150	189	220	262	315	340	440	525
C		41	51	59	86	101	106	111	132	203	223
D* min		24	34	34	39	39	50	60	70	80	100
D* max		40	50	58	85	100	105	110	130	200	220
E min		50	64	69	86	101	120	130	180	240	330
E max		85	105	115	150	175	220	260	280	380	500
F**		100	122	135	170	200	250	290	320	420	540
G**		6xM6	6xM8	6xM8	6xM10	6xM12	6xM16	8xM16	12xM16	16xM16	16xM20
H		19	23	23	26	30,5	60	31	39	45	50
J		5	6	6	6	8	8	10	12	12	15
K		6	9	8	11	10	14	16	18	20	25
L		81	89	96	118	135	155	170	190	235	290
M		63,5	68	75	92	105	120	130	145	185	230
N		9,5	11	11	13	16	18	21	23	26	30
O		-	-	-	-	-	8	8	-	-	-
P		39	41	46	58	70	82	95	108	140	170
R		-	-	-	-	-	200	220	-	-	-
Stroke Volume	new [cm ³]	11,4	20	28	43	57	153	159	267	400	786
Stroke Volume	max [cm ³]	22	43	60	91	150	320	650	690	1170	2300
Inertia	① [kgm ²]	0,0061	0,0122	0,0253	0,0835	0,1818	0,3900	0,7700	1,37	5,14	14,67
	② [kgm ²]	0,0046	0,0126	0,0219	0,0598	0,1090	0,1828	0,3557	0,93	3,16	10,83
Weight	[kg]	5,3	8,5	11,5	22,2	35	55	87	124	262	510
Connection		Via Shaft									

Keyways according to ISO R773 / BS 4235 / DIN 6885-1 / NF E 22-175, tolerance P9

* Mandatory delivered with finished bores.

** Drive cup is supplied undrilled. Fixing holes are shown for information only.