H420 VAR 00 VAR 01

Hydraulic Multi Disc Brake

Characteristics
- Hydraulically operated
- Multi disc
- Activated by spring pressure

Utilisation
- Braking a shaft
- Holding a load

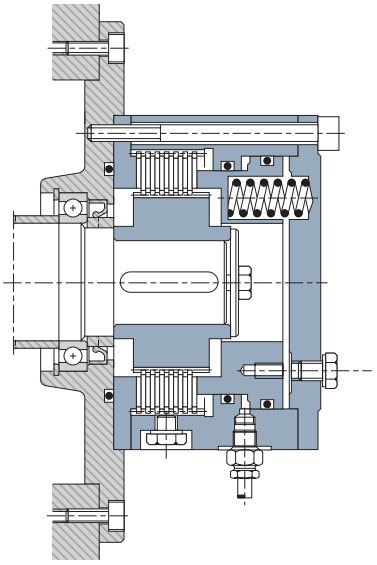
Particularities
- Standard = VAR 00
- Hi-Tork = VAR 01
- For wet operation

Adjustments
- No adjustment
- No wear adjustment required

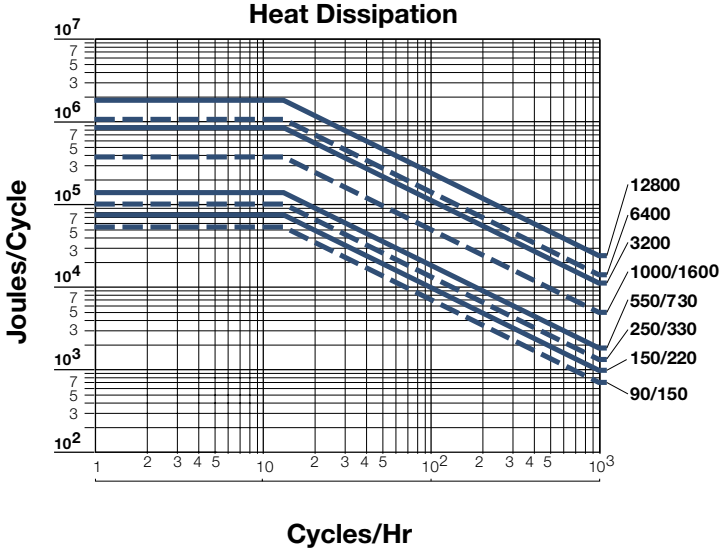
Maintenance Manual
- SM 320

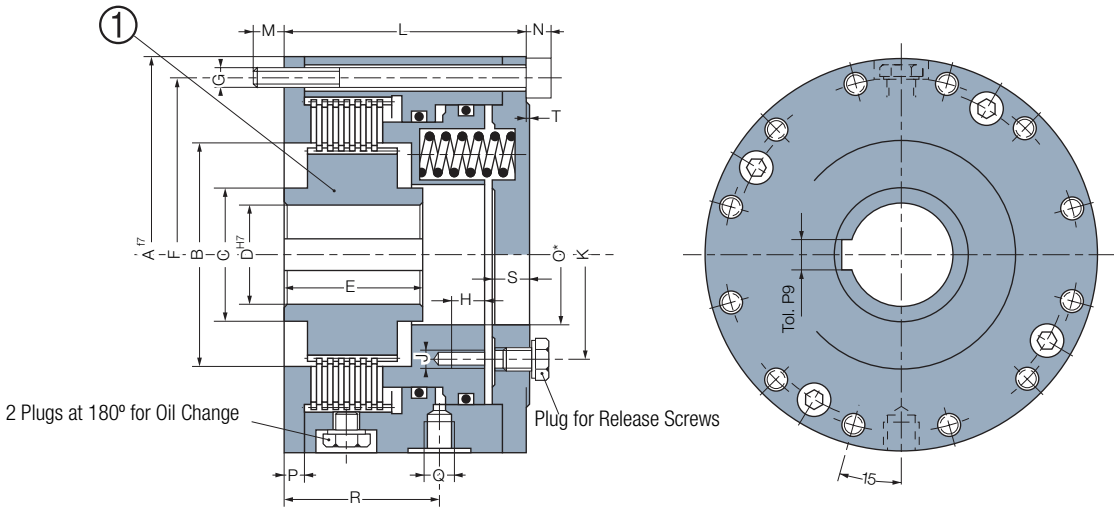
Mounting Precautions
- For horizontal use
- For vertical use, please consult the factory

Mounting Example



Heat Dissipation





VAR 00	**Sizes**	**Standard**		**90**	**150**	**250**	**550**	**1000**	**3200**	**6400**	**12800**
	Wet	M dyn.	[Nm]	90	150	250	550	1000	3200	6400	12800
		M stat.	Nm	150	240	400	850	1500	4800	9600	19000
	Open Pressure		[Nm]	29	24	21	23	22	22	35	35
VAR 01	**Sizes**	**Hi-Tork**		**150**	**220**	**330**	**730**	**1600**	**-**	**-**	**-**
	Wet	M dyn.	[Nm]	150	220	330	730	1600	-	-	-
		M stat.		240	350	520	1100	2400	-	-	-
	Open Pressure		[Nm]	48	36	28	31	36	-	-	-
	Max Speed		[min-1]	5000	5000	4200	3500	2500	1700	1400	1100
	Admissible Pressure		[bar]	320	320	320	320	320	350	350	350
		A		127	142	160	195	252	375	445	545
		B		71	81	88	112	130	190	235	275
		C		43	56	70	100	116	153	185,5	225
		D min		15	15	25	30	40	60	75	100
		D max		32	35	45	60	90	125	140	170
		E		46	50	52	60	68	92	121	147
		F		114	128	144	176	232	348	413	507
		G		12xM8	12xM8	12xM8	12xM10	12xM12	12xM16	12xM20	12xM24
		H		10	10	15	15	15	20	26	32
		J		2xM6	3xM6	3xM6	3xM8	3xM8	3xM10	3xM16	6xM16
		K		70	84	86	118	144	210	212	260
		L		80	83	92	100	115	153	178	222
		M		10	17	18	20	25	27	32	38
		N		8	8	8	10	12	16	20	24
		O* max.		45	54	62	80	118	170	188	236
		P		7	7	8	9	11	15	20	22
		Q		Rp 1/8"	Rp 1/8"	Rp 1/4"	Rp 1/4"	Rp 1/4"	Rp 3/8"	Rp 1/2"	Rp 1/2"
		R		52	52	58	60,5	75,5	97	118	138
		S		12	12,5	13,5	15	17	-	-	-
		T		1	-	-	1,5	2	-	-	-
	Inertia		[kgm2]	0,0008	0,0014	0,0021	0,0060	0,0236	0,1105	0,37	0,94
	Weight		[kg]	6	8,2	12	20	37,5	119	196	360
	Stoke Volume (new)	❶	[cm3]	3,8	4,9	8,2	12	18,5	74	121	210
	Stroke Volume (max)		[cm3]	6,5	9	16	24	36,5	121	205	370
	Connection						**Radial**				

Keyways according to
ISO/R 773 / BS 4235 / DIN 6885-1 / NF E 22-175, tolerance P9
*The closing flange is delivered prebored (dimension O). For shaft passing throughout the brake, please consult us.