P620 VAR 00

Pneumatic Multi Disc Brake

Characteristics
- Pneumatically released
- Dual disc
- Activated by spring pressure

Utilisation
- Braking a shaft
- Holding a load

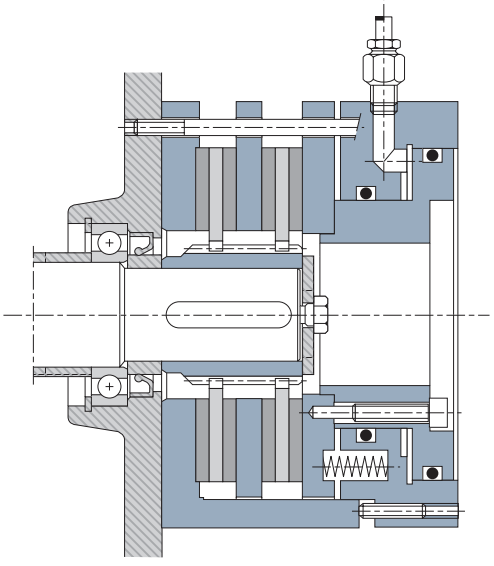
Particularities
- For dry use
- No residual torque in disengaged position
- Fast response time

Adjustments
- Airgap “T” should be adjusted at installation
- Requires wear compensation for dynamic applications

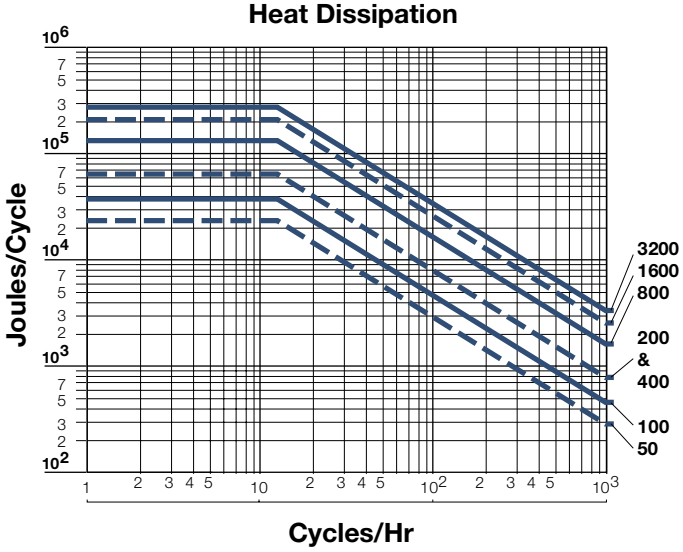
Maintenance Manual
- SM 318

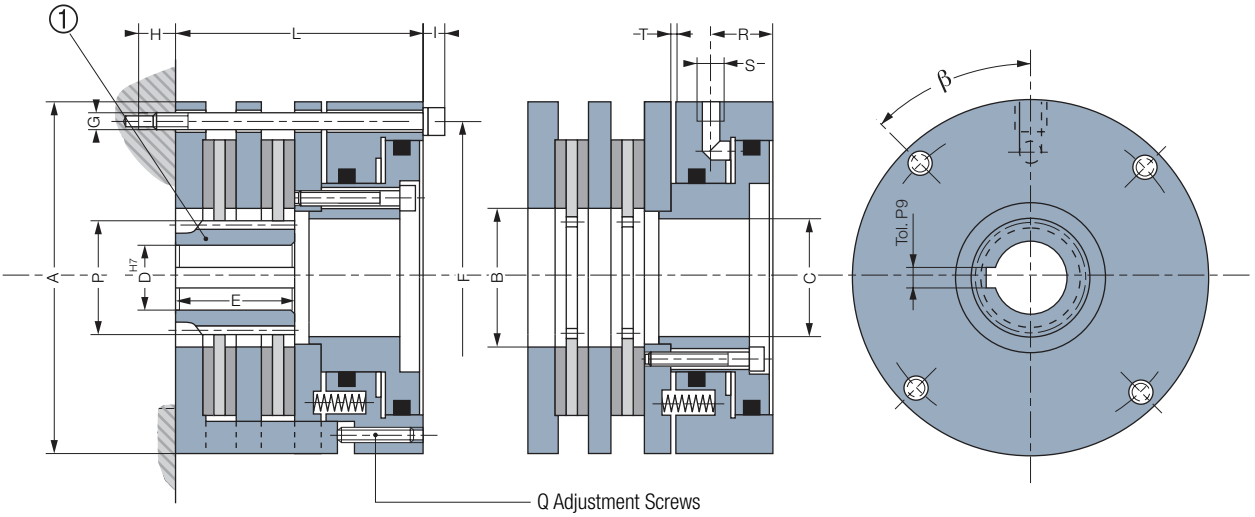
Mounting Precautions
- Device intended for horizontal use

Mounting Example



Heat Dissipation





Sizes			50	100	200	400	800	1600	3200
Nom. Torque		[Nm]	50	100	200	400	800	1600	3200
Max. Speed		[min-1]	5000	4150	3200	2600	2200	1700	1500
Operating Pressure		[bar]	6	6	6	6	5	5	5
	A		120	150	190	220	265	320	395
	B		52	60	80	95	120	155	210
	C		40	54	70	82	98	124	168
	D min		14	18	22	28	30	35	50
	D max		25	35	40	55	65	80	110
	E		31	40	47	55	60	70	100
	F		105	130	165	200	240	294	360
	G		4xM6	4xM8	4xM10	4xM10	4xM12	4xM12	4xM16
	H min		13	21	29	24	33	33	35
	I		8	10,5	13	13	15,5	15,5	20
	L		80	103	117	124	136	158	198
	Q		4xM6	4xM8	4xM8	4xM10	4xM12	4xM16	4xM16
	R		24	29	28	35	37	42	50
	S		Rp 1/8"	Rp 1/4"	Rp 1/4"	Rp 1/4"	Rp 3/8"	Rp 3/8"	Rp 3/8"
	ß		45°	45°	45°	80°	80°	80°	80°
Airgap	[T] min		0,3	0,4	0,4	0,4	0,5	0,5	0,6
Pressure Angle	[α]		20°	20°	20°	20°	20°	20°	20°
Number of Teeth	[Z]		25	34	33	31	37	39	53
Module	[m]		11,5	1,5	2	2,5	2,5	3	3
Pitch	[Dp]		37,5	51	66	77,5	92,5	117	159
Outside Diameter	[P]		39	52,5	68	80	95	120	162
Dimension on K teeth			11,595	16,21	21,59	26,92	34,38	41,34	50,786
K Teeth	[K]		3	4	4	4	5	5	5
Stroke Volume	[cm3]		13	19	31	59	91	143	266
Inertia	❶	[kgm2]	0,00053	0,0019	0,0060	0,0134	0,0296	0,0831	0,2313
Weight		[kg]	4,9	9,7	17,5	26	41	68	130
Connection						**Radial**			

Keyways according to
ISO/R 773 / BS 4235 / DIN 6885-1 / NF E 22-175, tolerance P9