

# 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

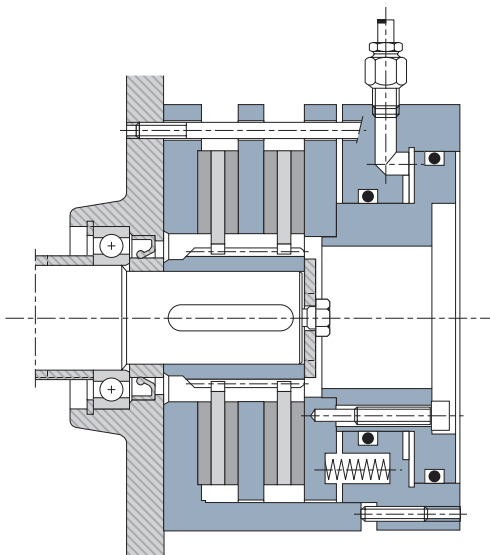
### Maintenance Manual

- SM 318

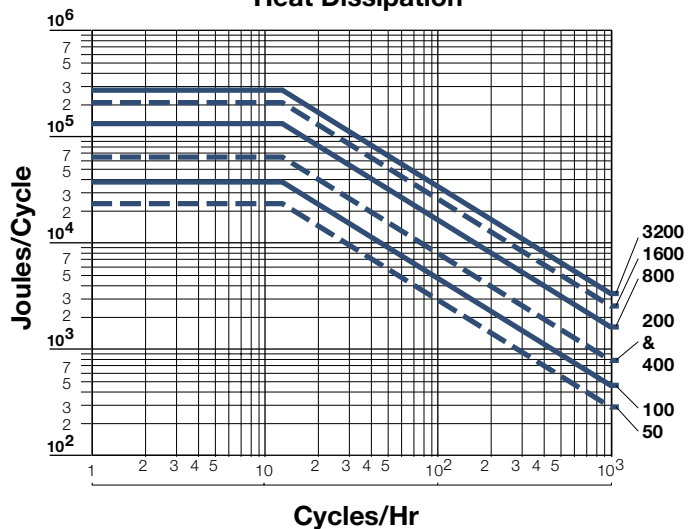
### Mounting Precautions

- Device intended for horizontal use

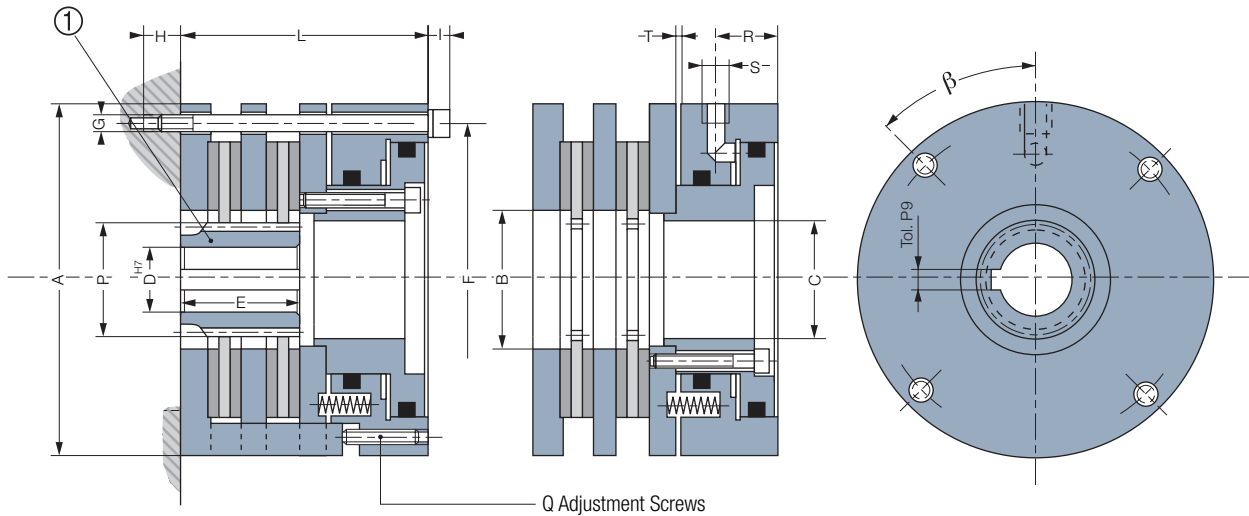
Mounting Example



Heat Dissipation



## Pneumatic Multi Disc Brake



Sizes		50	100	200	400	800	1600	3200
<b>Nom. Torque</b>	[Nm]	50	100	200	400	800	1600	3200
<b>Max. Speed</b>	[min <sup>-1</sup> ]	5000	4150	3200	2600	2200	1700	1500
<b>Operating Pressure</b>	[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"
	β	45°	45°	45°	80°	80°	80°	80°
<b>Airgap</b>	[T] min	0,3	0,4	0,4	0,4	0,5	0,5	0,6
<b>Pressure Angle</b>	[α]	20°	20°	20°	20°	20°	20°	20°
<b>Number of Teeth</b>	[Z]	25	34	33	31	37	39	53
<b>Module</b>	[m]	11,5	1,5	2	2,5	2,5	3	3
<b>Pitch</b>	[Dp]	37,5	51	66	77,5	92,5	117	159
<b>Outside Diameter</b>	[P]	39	52,5	68	80	95	120	162
<b>Dimension on K teeth</b>		11,595	16,21	21,59	26,92	34,38	41,34	50,786
<b>K Teeth</b>	[K]	3	4	4	4	5	5	5
<b>Stroke Volume</b>	[cm <sup>3</sup> ]	13	19	31	59	91	143	266
<b>Inertia</b>	① [kgm <sup>2</sup> ]	0,00053	0,0019	0,0060	0,0134	0,0296	0,0831	0,2313
<b>Weight</b>	[kg]	4,9	9,7	17,5	26	41	68	130
<b>Connection</b>		<b>Radial</b>						

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