

# P130 VAR 00 / VAR 02

## Pneumatic Multi Disc Clutch

### Characteristics

- Pneumatically operated
- Multi disc
- Function under pressure

### Utilisation

- Coupling of a pulley or a hub
- Device destined for industrial applications
- VAR 02 designed for use on diesel engines. Friction discs are of solid construction

### Particularities

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

### Adjustments

- None required, automatic wear compensation by piston movement

### Maintenance Manual

- SM 302

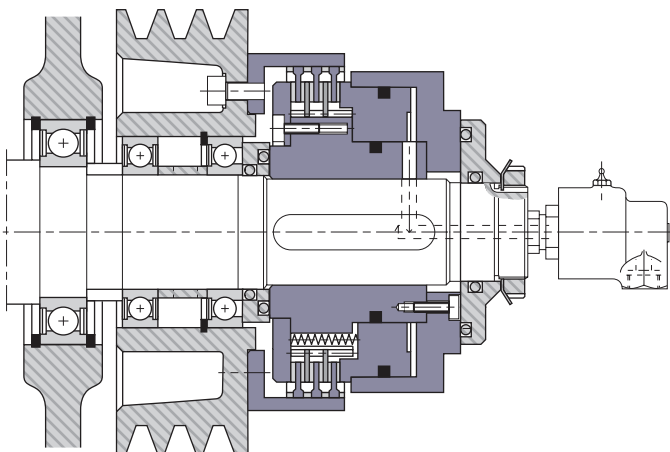
### Mounting Precautions

- 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

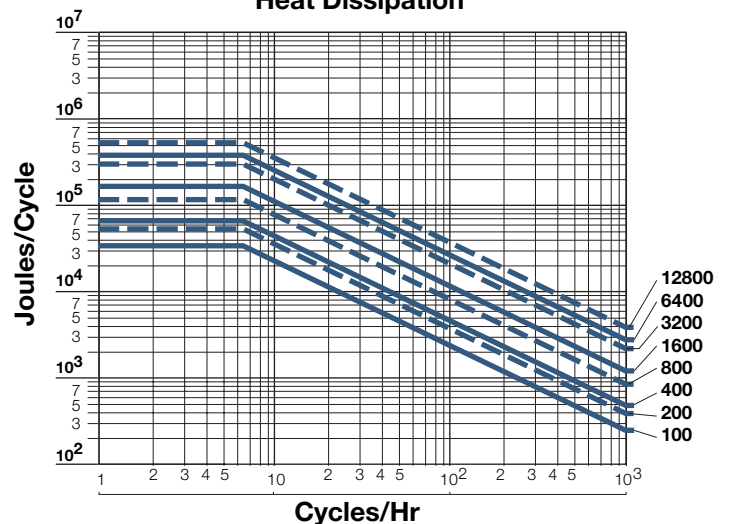
### Power Supply

- Oiled compressed air. For dry air please consult factory
- Can be operated with hydraulic oil, in that case please consult the factory

Mounting Example

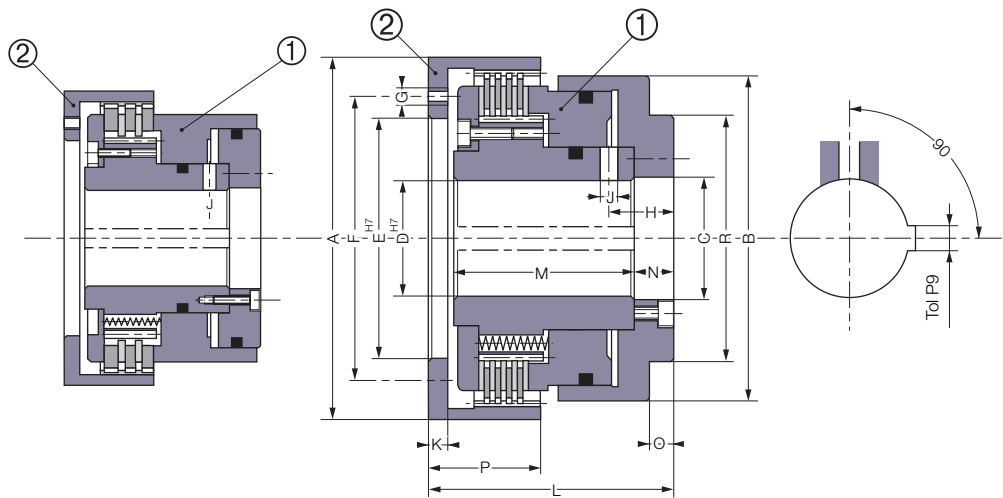


Heat Dissipation



# P130 VAR 00 / VAR 02

## Pneumatic Multi Disc Clutch



Size 100 - 1600

Size 3200 - 12800

**VAR 00 =  
STANDARD  
VAR 02 for  
Diesel Engines  
VAR 02**

**Indirect Drive**

Sizes		100	200	400	800	1600	3200	6400	12800
<b>Nom. Torque</b>	[Nm]	100	200	400	800	1600	3200	6400	12800
<b>Max. Speed</b>	[min <sup>-1</sup> ]	4800	3900	3500	2700	2400	2000	1500	1,200
<b>Operating Pressure</b>	[bar]	5	5	5	5	5	5	5	5
A		132	162	180	222	255	290	335	390
B		110	135	150	189	220	262	315	380
C		41	51	59	86	101	106	111	132
D* min		24	34	34	39	39	50	60	70
D* max		40	50	58	85	100	105	110	130
E min		50	64	69	85	101	120	130	180
E max		85	105	115	150	175	220	260	280
F*		100	122	135	170	200	250	290	320
G*		6xM6	6xM8	6xM8	6xM10	6xM12	6xM16	8xM16	12xM16
H		19	23	23	26	30,5	60	31	39
J		5	6	6	6	8	8	10	12
K		6	9	8	11	10	14	16	18
L		81	89	96	118	135	155	170	190
M		63,5	68	75	92	105	120	130	145
N		9,5	11	11	13	16	18	21	23
O		-	-	-	-	-	8	8	-
P		39	41	46	58	70	82	95	108
R		-	-	-	-	-	200	220	-
<b>Stroke Volume</b>	new [cm <sup>3</sup> ]	5,2	12	20	22	32	80	207	958
<b>Stroke Volume</b>	max [cm <sup>3</sup> ]	22	43,8	59	81	150	320	650	1760
<b>Inertia</b>	① [kgm <sup>2</sup> ]	0,0061	0,0122	0,0253	0,0835	0,1818	0,3900	0,7700	1,47
<b>Inertia</b>	VAR 00 [kgm <sup>2</sup> ]	0,0046	0,0126	0,0219	0,0598	0,1090	0,1828	0,3557	0,93
<b>Inertia</b>	VAR 02 [kgm <sup>2</sup> ]	0,0046	0,0133	0,0215	0,0598	0,1090	-	-	-
<b>Weight</b>	[kg]	6	9,5	13	25	39	55	87	125
<b>Connection</b>		<b>Via Shaft</b>							

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

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