# 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

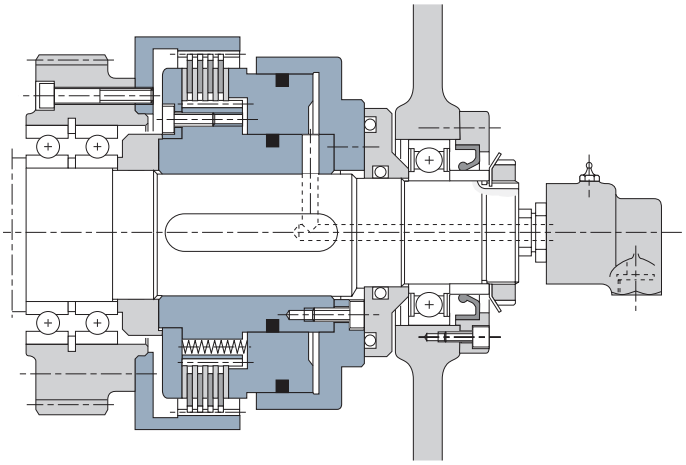
### Adjustments
- None required, automatic wear compensation by piston movement

### Maintenance Manual
- SM 301

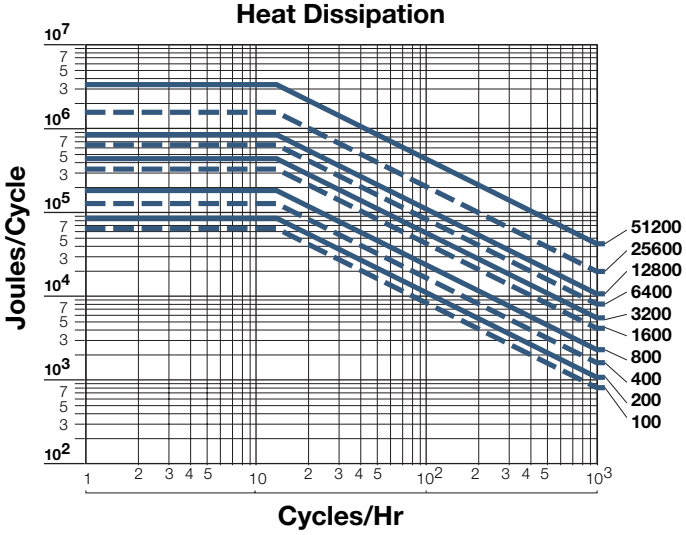
### Mounting Precautions
- Provide shaft seals in order to avoid loss of pressure (see ST 0119–01)
- Device intended for horizontal use; for vertical use, please consult the factory

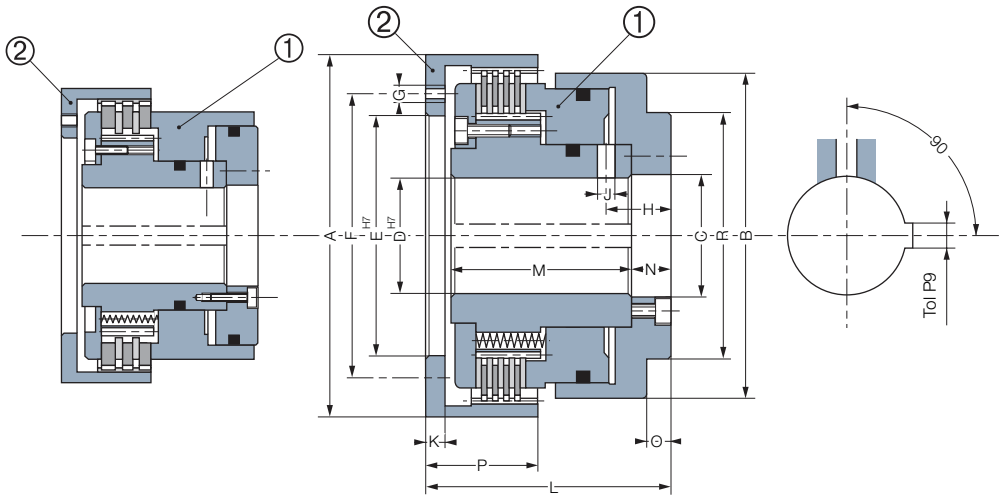
### Power Supply
- Filtered oil

**Mounting Example**



**Heat Dissipation**






Size 100 - 1600

Size 3200 - 12800

**Indirect Drive**

| 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 | [cm³] | 11,4 | 20 | 28 | 43 | 57 | 153 | 159 | 267 | 400 | 786 |
| **Stroke Volume** | max | [cm³] | 22 | 43 | 60 | 91 | 150 | 320 | 650 | 690 | 1170 | 2300 |
| **Inertia** | ❶ | [kgm²] | 0,0061 | 0,0122 | 0,0253 | 0,0835 | 0,1818 | 0,3900 | 0,7700 | 1,37 | 5,14 | 14,67 |
| | ❷ | [kgm²] | 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.