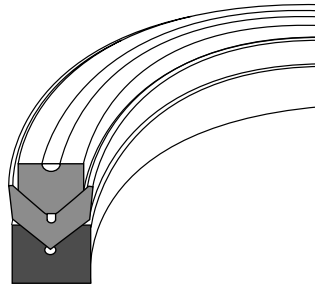


## Piston Seals (Single Acting)

GT-3

(Metric Size)

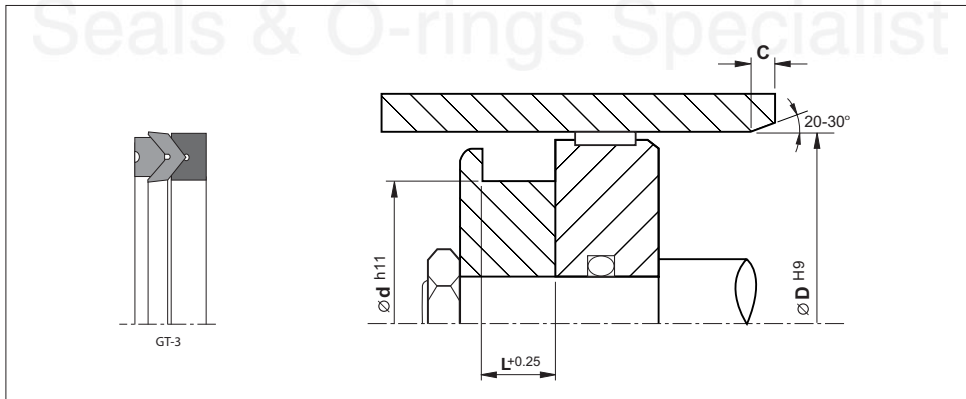


GT-3

| Material   | Pressure (Bar) | Temp. (°c)  | Speed (m/s) |
|------------|----------------|-------------|-------------|
| NBR+Fabric | 700            | -30<br>+100 | 0.5         |

- Exceptional wear resistance.
- Pre-load adjustment capability.
- Excellent behavior in harsh condition.

### Installation Recommendation



| Surface roughness  | Ra       | Rt      | Chamfers |      |
|--------------------|----------|---------|----------|------|
| Sliding surface    | ≤ 0.3 μm | ≤ 4 μm  | D        | C    |
| Surface of housing | ≤ 1.8 μm | ≤ 10 μm | < 60     | 4.0  |
| Sides of housing   | ≤ 3.0 μm | ≤ 16 μm | 60-120   | 5.0  |
|                    |          |         | 120-180  | 6.5  |
|                    |          |         | 180-250  | 7.5  |
|                    |          |         | 250-500  | 10.0 |

# Piston V-Packing

(Metric Size)

| Bore Dia. | Groove Dia. | Groove Width | Reference<br>(For order processing) | Reference<br>(For order processing) | Reference |
|-----------|-------------|--------------|-------------------------------------|-------------------------------------|-----------|
| D         | d           | L            |                                     |                                     |           |
| 30.0      | 20.0        | 9.3          |                                     | F-030-020-09.3 H51                  | 4208310   |
| 40.0      | 25.0        | 11.5         | F-040-025-11.5 GT3                  | F-040-025-11.5 H51                  | 4208010   |
| 45.0      | 30.0        | 11.5         | F-045-030-11.5 GT3                  |                                     |           |
| 50.0      | 35.0        | 11.5         | F-050-035-11.5 GT3                  | F-050-035-11.5 H51                  | 4207610   |
| 55.0      | 40.0        | 11.5         | F-055-040-11.5 GT3                  | F-055-040-11.5 H51                  | 4207110   |
| 60.0      | 45.0        | 11.5         | F-060-045-11.5 GT3                  | F-060-045-11.5 H51                  | 4207210   |
| 63.0      | 48.0        | 13.0         | F-063-048-13.0 GT3                  | F-063-048-13.0 H51                  | 4207410   |
| 70.0      | 50.0        | 15.2         | F-070-050-15.2 GT3                  | F-070-050-15.2 H51                  | 4208210   |
| 80.0      | 60.0        | 15.2         | F-080-060-15.2 GT3                  | F-080-060-15.2 H51                  | 4208110   |
| 90.0      | 70.0        | 21.2         | F-090-070-21.2 GT3                  | F-090-070-21.2 H51                  | 4207710   |
| 100.0     | 80.0        | 21.2         | F-100-080-21.2 GT3                  | F-100-080-21.2 H51                  | 4207510   |
| 110.0     | 90.0        | 21.2         | F-110-090-21.2 GT3                  | F-110-090-21.2 H51                  | 4207910   |
| 115.0     | 95.0        | 21.2         | F-115-095-21.2 GT3                  |                                     |           |
| 125.0     | 100.0       | 25.8         | F-125-100-25.8 GT3                  | F-125-100-25.8 H51                  | 4207810   |
| 140.0     | 115.0       | 25.8         | F-140-115-25.8 GT3                  | F-140-115-25.8 H51                  | 4208410   |
| 150.0     | 120.0       | 29.0         | F-150-120-29.0 GT3                  | F-150-120-29.0 H51                  | 4208510   |
| 160.0     | 130.0       | 29.0         | F-160-130-29.0 GT3                  | F-160-130-29.0 H51                  | 4208710   |
| 180.0     | 150.0       | 31.5         | F-180-150-31.5 GT3                  | F-180-150-31.5 H51                  | 4208610   |
| 200.0     | 170.0       | 33.5         | F-200-170-33.5 GT3                  | F-200-170-33.5 H51                  | 4209010   |
| 220.0     | 190.0       | 33.5         | F-220-190-33.5 GT3                  |                                     |           |
| 225.0     | 195.0       | 33.5         | F-225-195-33.5 GT3                  | F-225-195-33.5 H51                  | 6582110   |
| 240.0     | 210.0       | 33.5         | F-240-210-33.5 GT3                  |                                     |           |
| 250.0     | 220.0       | 33.5         | F-250-220-33.5 GT3                  | F-250-220-33.5 H51                  | 6582310   |
| 275.0     | 245.0       | 33.5         |                                     | F-275-245-33.5 H51                  | 6582410   |
| 280.0     | 250.0       | 33.5         | F-280-250-33.5 GT3                  |                                     |           |
| 300.0     | 270.0       | 33.5         | F-300-270-33.5 GT3                  | F-300-270-33.5 H51                  | 6582510   |
| 320.0     | 290.0       | 33.5         | F-320-290-33.5 GT3                  | F-320-290-33.5 H51                  | 6582610   |
| 320.0     | 280.0       | 41.5         | F-320-280-41.5 GT3                  |                                     |           |
| 360.0     | 320.0       | 41.5         | F-360-320-41.5 GT3                  |                                     |           |
| 400.0     | 360.0       | 41.5         | F-400-360-41.5 GT3                  |                                     |           |
| 450.0     | 410.0       | 41.5         | F-450-410-41.5 GT3                  |                                     |           |
| 500.0     | 460.0       | 41.5         | F-500-460-41.5 GT3                  |                                     |           |