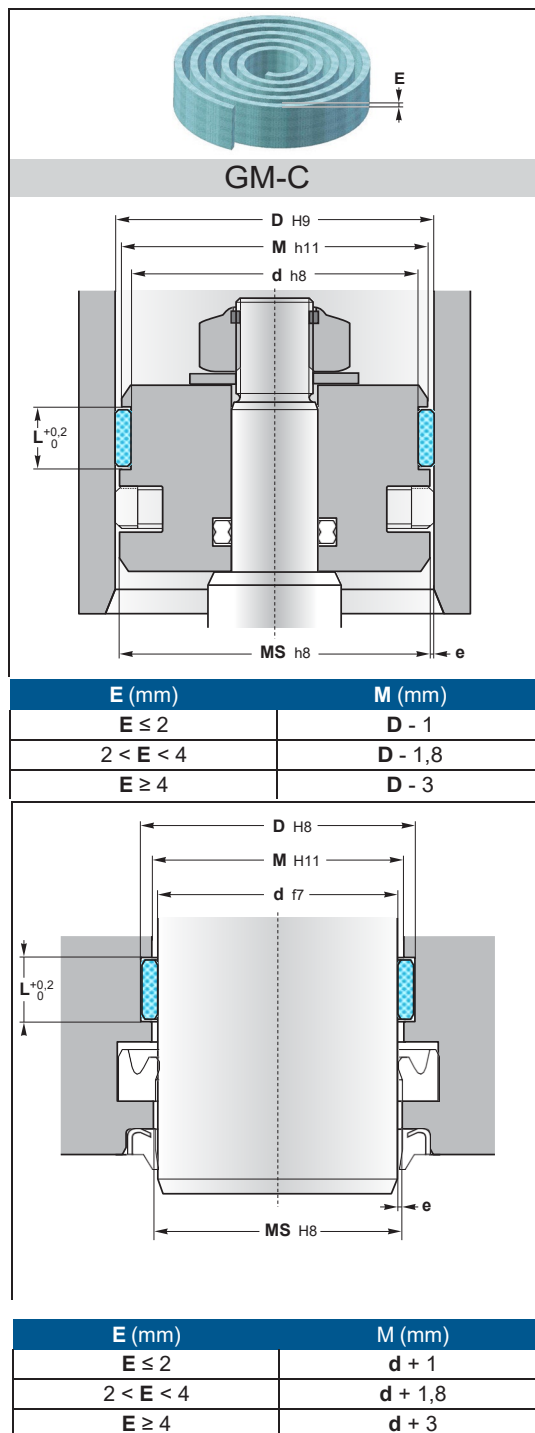
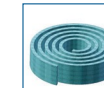


GM-C

Orkot® Slydring®



Orkot® Slydring® of fabric reinforced composite materials are used in hydraulic cylinders exposed to high loads. The high compressive strength, good sliding behaviour and the exceptional wear properties ensure a long service life.

Orkot® C380 are available as off-the-roll materials for cutting to specific length.

Orkot® C380 are suitable for all commonly used hydraulic fluids such as mineral or synthetic oils, as well as water based fluids.

Orkot® C320 are often used in sea-water applications.

Operating conditions

Compressive strength DIN 53454	$\geq 300 \text{ N/mm}^2$
Max. permissible radial load	at 25°C: $\leq 100 \text{ N/mm}^2$ 60°C: $\leq 50 \text{ N/mm}^2$
Temperature	-40°C to 120°C
Speed	$\leq 1 \text{ m/s}$

Materials

Guide ring	polyester fabric reinforced polyester resin + additives
------------	---

Assembly

Install in the groove

Advantages

- Simple groove design
- Only suitable for diameters above 150 mm
- Good sliding properties
- Vibration absorbing
- High wear resistance
- High load capacity

Please contact us for applications approaching maximum values.

The diameter **M** is only valid in the area of the guide ring and not in the extrusion area of the seal. The diameter **MS** in the seal area must be calculated with the **e** value of the seal used.

Orkot® Slydring® GM-C380

E	L	Reference	Length of the roll
2,5	5,6	GM65A0000-C380	2 meters
	9,7	GM69A5000-C380	5 meters
	15	GM73X1000-C380	10 meters
20		GM74A5000-C380	5 meters
	25	GM75X0010-C380	10 meters
4	25	GM98A5000-C380	5 meters

Orkot® Slydring® GM-C320

E	L	Reference	Length of the roll
2,5	9,7	GM69A5000-C320	5 meters
	15	GM73A5000-C320	5 meters
	25	GM75A5000-C320	5 meters

Calculation of the permissible radial force for pistons

$$F = (p \times D \times L \times n) / s$$

F = maximum radial force (N)
p = maximum permissible loading for material (N/mm²)
D x L = diameter x width of the ring (mm²)
n = number of rings
s = safety factor

Calculation of the stretched length

