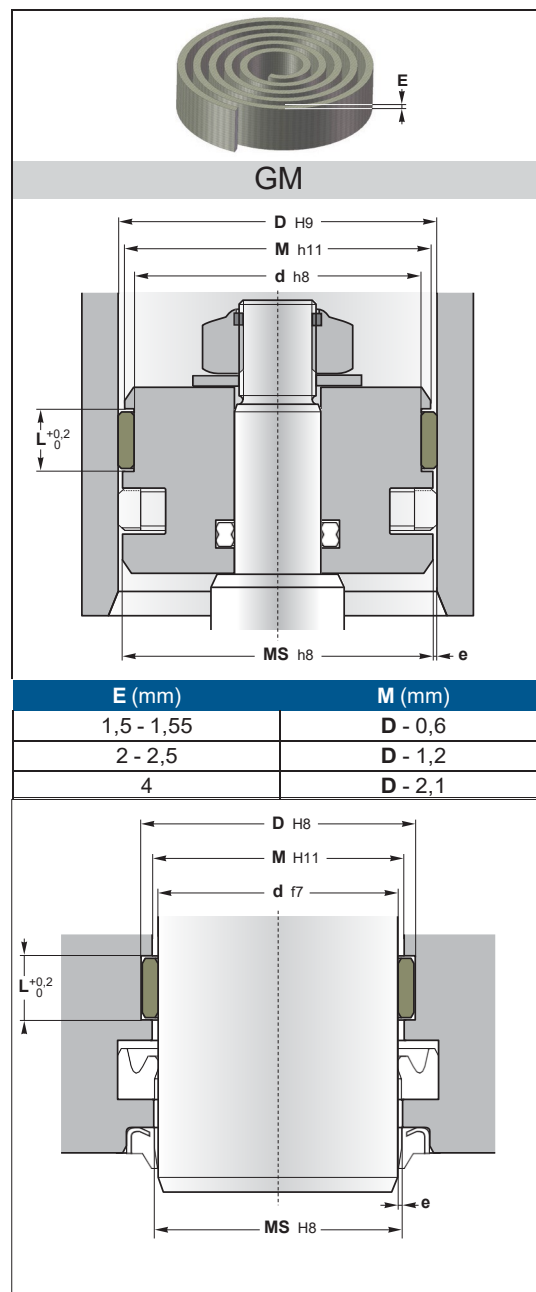
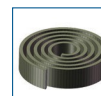




GM

Slydring® rolls

TRELLEBORG

SEALS 24  
SEALS + COMPONENTS

E (mm)	M (mm)
1,5 - 1,55	d + 0,6
2 - 2,5	d + 1,2
4	d + 2,1

**Slydring®** are used as piston or rod guides due to their outstanding friction behaviour, stick-slip free and good resistance to high temperatures and chemicals. They are available as off-the-roll materials for cutting to specific length. **Slydring®** up to and including 4 mm radial thickness in **Turcite®** materials are as standard supplied with teardrop structure on the sliding surface. This structure comprises small lubricant pockets on the surface which improve the initial lubrication and promote the formation of a lubricant film.

**Turcite® T47** is bronze filled PTFE for hydraulic components with good lubricating performance.

**Turcite® T51** is carbon filled PTFE for lubricated and poor lubricated linear and slow rotary moving hydraulic and pneumatic components.

**Turcite® M12** is the new filled PTFE for hydraulic components.

**Zurcon® Z80** is a UHMW-PE material preferred for use in water, hydraulics and pneumatics. For food stuff and medical applications, use **Zurcon® Z81** (FDA approvals).

#### Operating conditions

Max. permissible radial load

**Turcite®**  
at 25°C : ≤ 15 N/mm²  
120°C : ≤ 8 N/mm²

**Zurcon®**  
at 25°C : ≤ 25 N/mm²  
120°C : ≤ 8 N/mm²

Temperature

**Turcite®** -60°C to 150°C

**Zurcon®** -60°C to 80°C

Speed

**Turcite®** ≤ 15 m/s

**Zurcon®** ≤ 2 m/s

#### Materials

Guide ring T47, T51, M12, Z80

#### Assembly

Install in the groove

#### Advantages

Supplied by meter or cut to specific length  
Reduced friction  
No stick slip  
Reduce vibrations, good damping effect  
Simple groove design and easy assembly  
High chemical compatibility  
Large temperature range from -60 to 150 °C  
Suitable for low and medium load

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.

#### Turcite® Slydring® GM-T47

E	L	Reference	Min. length of the roll
1,55	4	GM4300000-T47	18,5 meters
2	15	GM5300000-T47	12 meters
2,5	5,6	GM6500000-T47	9 meters
	6,3	GM6700000-T47	9 meters
	9,7	GM6900000-T47	9 meters
	15	GM7300000-T47	9 meters
	20	GM7400000-T47	9 meters
	25	GM7500000-T47	9 meters
4	9,7	GM99L0000-T47	4,5 meters
	25	GM98L0000-T47	4,5 meters

#### Turcite® Slydring® GM-M12

E	L	Reference	Min. length of the roll
1,55	4	GM4300000-M12	18,5 meters
2,5	5,6	GM6500000-M12	9 meters
	6,3	GM6700000-M12	9 meters
	9,7	GM6900000-M12	9 meters
	15	GM7300000-M12	9 meters
	20	GM7400000-M12	9 meters
	25	GM7500000-M12	9 meters
4	9,7	GM9900000-M12	4,5 meters
	25	GM9800000-M12	4,5 meters

#### Turcite® Slydring® GM-T51

E	L	Reference	Min. length of the roll
1,5	3	GM22L0000-T51	19 meters
1,55	4	GM4300000-T51	18,5 meters
2	9,7	GM4900000-T51	12 meters
	15	GM5300000-T51	12 meters
2,5	5,6	GM6500000-T51	9 meters
	9,7	GM6900000-T51	9 meters
	15	GM7300000-T51	9 meters
20		GM7400000-T51	9 meters
25		GM7500000-T51	9 meters

#### Zurcon® Slydring® GM-Z80

E	L	Reference	Length of the roll
1,55	4	GM4100000-Z80	25 meters
2,5	5,6	GM6500000-Z80	15 meters
	9,7	GM6900000-Z80	15 meters
	15	GM7300000-Z80	15 meters
	25	GM7500000-Z80	15 meters

#### Calculation of the permissible radial force for pistons

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

**F** = maximum radial force (N)

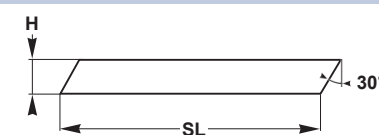
**p** = maximum permissible loading for material (N/mm²)

**D x L** = diameter x width of the ring (mm²)

**n** = number of rings

**s** = safety factor

#### Calculation of the stretched length



Piston : **SL = (D-E).3,11** Rod : **SL = (d+E).3,11**