



Max. Operating Conditions	
Compression resistance normal to lamination	depending on chosen material (see table)
Temperature (°C)	- 40 / + 130
Media: Hydraulic fluids upon oil-basis, hardly inflaming hydraulic fluids, HFA-, HFB-Liquids	

Recommended Surface Finish		
Surface roughness	R_a	R_t
Groove bottom	$\leq 1,6 \mu\text{m}$	$\leq 16 \mu\text{m}$
Groove flanks	$\leq 1,6 \mu\text{m}$	$\leq 16 \mu\text{m}$
Running surface	$\leq 0,3 \mu\text{m}$	$\leq 3 \mu\text{m}$

Range of production and tolerances	
Inside diameters (mm)	15 - 600
Wall thicknesses W (mm)	1,5 - 25
Widths (mm)	> 3
Tolerances (mm)	0,03 - 0,08

Technical Description
<p>The guide rings type FHG / FHM / FHO are to guide the piston and the rod of a hydraulic cylinder as well as take the occurring lateral forces. Yet, no metallic contact of the sliding components must occur between the piston and the cylinder wall, or the rod and the cylinder head.</p> <p>The guide rings stand out for a gentle running behaviour towards the sliding surfaces and a high binding strength for smaller dirt particles.</p> <p>Other characteristics:</p> <ul style="list-style-type: none"> - high bearing capacity - wear-resistant, therefore long operating life - impact pressures are cushioned - easy assembly <p>Besides the standard material phenolic cotton of the type FHG we also provide further modified hard fabric-compounds, e.g. type FHM. For your choice of material for your specific application please ask for our advise or according data-sheets.</p> <p>Our guide rings are delivered as preformed rings, ready-to-install.</p>

