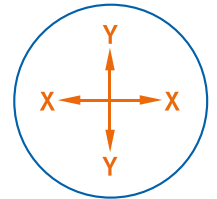
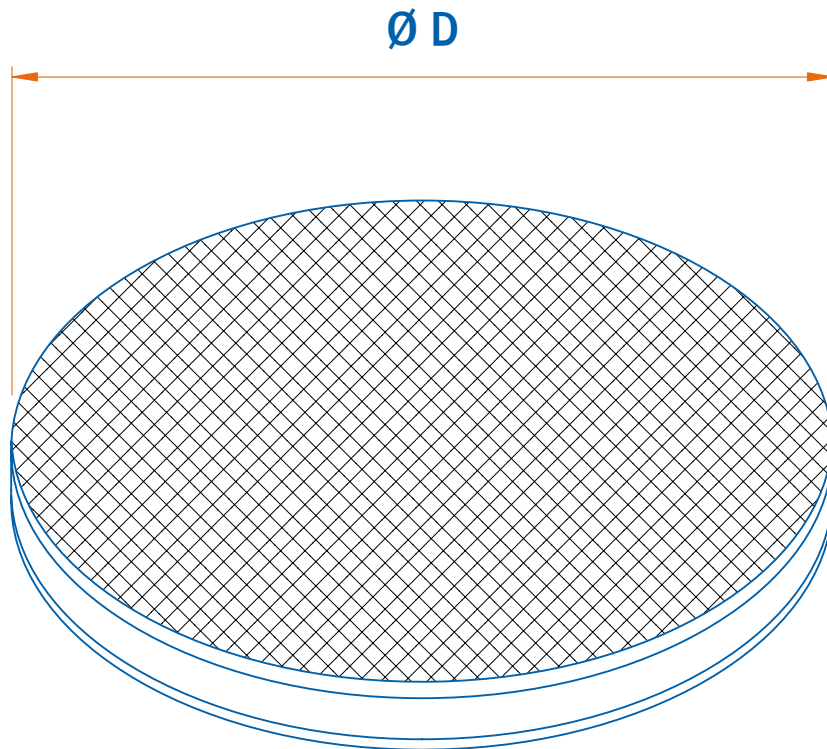


Maintenance-free sliding plate for welding - »Round«

Types	R812-100/10 max. 500 kN	R812-150/10 max. 1000 kN	R812-200/10 max. 2500 kN
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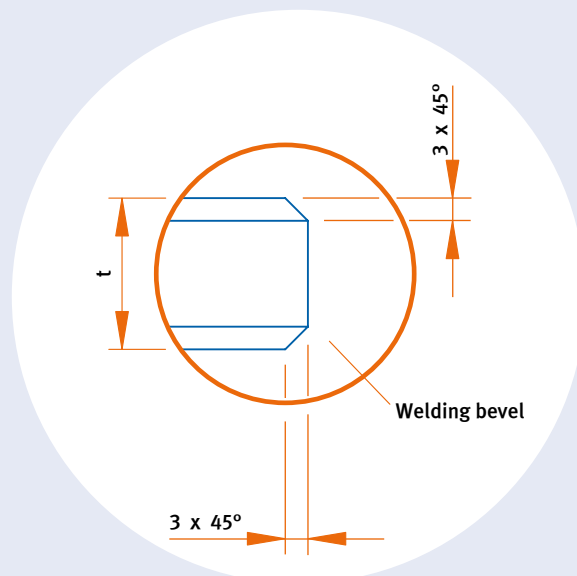
Any special design is available on request

Glide path



For mounting instructions please refer to [Page 134](#)

DETAIL »BEVEL«



Technical data

LOAD CAPACITY kN	PLATE TYPE	D mm Ø	t mm	GLIDE PATH in mm	
				X-direction	Y-direction
500	R812-100/10	100	10	Must be defined according to construction specifications	Must be defined according to construction specifications
1000	R812-150/10	150	10	Must be defined according to construction specifications	Must be defined according to construction specifications
2500	R812-200/10	200	10	Must be defined according to construction specifications	Must be defined according to construction specifications

Special sizes and special shapes are available on customers' requirement.

PROPERTIES

Round sliding plate, with high load PTFE-coated sliding plate, maintenance-free.

MOUNTING

For welding (only tack welding). As special design also available as a screw-on application.

MATERIAL

Steel, St37, with one-sided PTFE-coating, (Special materials are also available).

COUNTER SURFACE

Stainless steel sheet (2,0 mm) <Rz4 Verf. 2R (IIIId), (will be produced on customers' requirement).

FRICTION COEFFICIENT

Approx. 0,05 - 0,10 on stainless steel sliding plate, Verf. 2R (IIIId).

CAPACITY LOAD

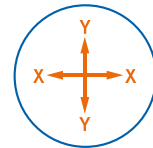
Static max. approx. 250 N/mm².

TEMPERATURE RANGE

-70°C - +250°C

SLIDING DIRECTION

An all-sided floating bearing.



GLIDE PATH

Is defined by the size of the collaborating top plate with weld on stainless steel sliding plate.

LHG - SPECIAL DESIGNS

We are able to produce LHG - sliding plates in different sizes, shapes, strengths and load standards apart from our standard delivery programme.

It is possible to produce circular base plates in special materials on customers' requirement e.g. applications for food and chemical industry and medical technology.

Mounting instructions for LHG - bearing plates for welding

MATERIAL

Steel, St37k (material number 10037) /
abbreviation S235JR.

- 1 The LHG sliding plate must be welded onto the lower construction, PTFE-coated side facing up!
- 2 8 mm tack welds are sufficient.
A long weld seam is not advisable, as the PTFE-sliding layer could be damaged by overheating at the corners.
- 3 During welding the PTFE layer must be covered!
- 4 As a counter surface, a 2mm strong stainless steel sliding plate (material number 1.4301 or 1.4401) has to be affixed to the upper construction. The surface must be smooth, fine-grounded K260 or blank Verf.2R (IIIId).
- 5 The size of the sliding plate depends on the possible glide path (x and y).
- 6 Single tack welds are sufficient to affix the stainless steel sliding plate, favourable at the corners.
- 7 It is very important to cover the PTFE-sliding surface during welding!

RECOMMENDATIONS FOR WELDING ELECTRODES:

All common electrodes for construction steels can be used as welding electrode.