

Machine parts made of stainless steel are designed to survive in the worst environments. Heat, pressure, seawater, liquid and gaseous media like detergents and other chemicals. If these machine parts also have to work as a bearing, the combination with iglidur® high-performance polymers is ideal. All bearings are lubrication-free and the plastic parts are secured axially and radially in the housings with positive fit.



The suitable iglidur® material can be selected according to the application and used for linear and/or rotary movements.

- Lubrication-free
- Temperature resistant up to +250°C
- Corrosion-resistant
- Chemical resistance
- Cost-effective

The use of **AISI 316Ti** and **AISI 304** makes of the guides resistant to seawater and chemical contact corrosion, and the guide shafts are also made from AISI 316Ti. Despite the lack of surface hardness, required for instance by recirculating ball bearings, they are suitable for use with plain bearings. The large contact surface of a plain bearing diminishes the surface pressure to a mostly safe value.

Typical application areas

- Food and bottling industry
- Meat processing
- Harbour and crane facilities
- Yacht building
- Chemical industry
- Electroplating industry
- Medical- and rehabilitation technologies
- Packaging industry



Lubrication freedom with drylin® for a baking and conveyor unit

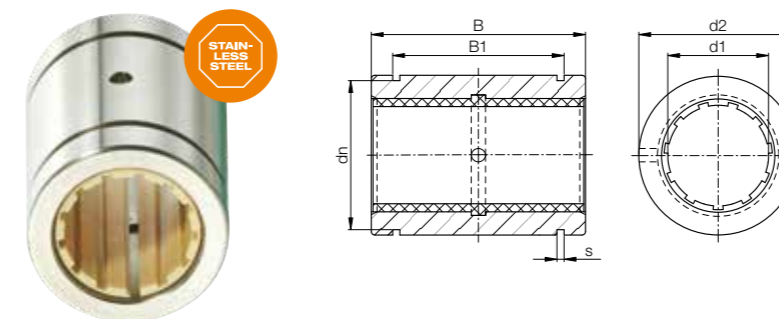


drylin® W guide rails are accredited to cleanroom-standards and therefore used in this blister machine

Closed stainless steel adapter made of stainless steel 303

Order key

Type	Size	Option
R J U M-01-12 -ES		
Closed	iglidur® J	Stainless steel
Liner	Metric	
Standard	Inner Ø d1	



- Secured by circlips



⁷⁸⁾ According to igus® testing method ▶ Page 1146

⁸²⁾ Design tips ▶ Page 1078

Please note: Installation instructions ▶ Page 1079

Technical data

Part No.	d1 tolerance ⁷⁸⁾ [mm]	Fmax. dynamic ⁸²⁾	Fmax. static ⁸²⁾	Weight [g]
		P = 5MPa [N]	P = 35MPa [N]	
RJUM-01-12-ES	+0.030 +0.088	960	6,720	60
RJUM-01-16-ES	+0.030 +0.088	1,440	10,080	84
RJUM-01-20-ES	+0.030 +0.091	2,250	15,750	147
RJUM-01-25-ES	+0.030 +0.091	3,625	25,375	324
RJUM-01-30-ES	+0.040 +0.110	5,100	35,700	486

Dimensions [mm]

d1	d2	B	B1	s	dn	Part No.
	h7	h10	H10	H10	h10	
12	22	32	22.6	1.30	20.5	RJUM-01-12-ES
16	26	36	24.6	1.30	24.2	RJUM-01-16-ES
20	32	45	31.2	1.60	29.6	RJUM-01-20-ES
25	40	58	43.7	1.85	36.5	RJUM-01-25-ES
30	47	68	51.7	1.85	43.5	RJUM-01-30-ES

Available with drylin® liners (optional: J200/A180):

