



DryLin® R Hard-Anodized Shafts

igus® DryLin® R hard-anodized shafts were specifically developed as the optimal sliding surface for DryLin R linear bearings. Available in four diameters and three lengths of both round shafting and fully supported shafting.

Features

- 6061-T6 aluminum hard-anodized to 450-550 HV surface hardness
- Round and fully supported styles
- Four diameters and three lengths up to 1000mm
- Best choice of shafting to use with DryLin R bearings



igus® DryLin® R Hard-Anodized Shafts										
Item Photo	Part Number	Shaft Type	Diameter (inch)	Length (mm)	Material	Surface Hardness	Qty. per Package	Weight (lb)	Price	Drawing Link
	A-AWUI-08-250	Supported	1/2	250	Hard-anodized aluminum	450-550 HV	1	0.54	\$2a7z:	PDF
	A-AWUI-08-500			500			1	1.07	\$;2a7]:	PDF
	A-AWUI-08-1000			1000			1	2.13	\$;2a7[:	PDF
	A-AWUI-12-250		3/4	250			1	0.92	\$2a7_:	PDF
	A-AWUI-12-500			500			1	1.85	\$2a7#:	PDF
	A-AWUI-12-1000			1000			1	3.67	\$;02a7!:	PDF
	A-AWUI-16-250		1	250			1	1.23	\$2a7?:	PDF
	A-AWUI-16-500			500			1	2.46	\$;2a7,::	PDF
	A-AWUI-16-1000			1000			1	4.92	\$02a80:	PDF
	A-AWI-04-250	Round	1/4	250			1	0.05	\$2a81:	PDF
	A-AWI-04-500			500			1	0.10	\$2a82:	PDF
	A-AWI-04-1000			1000			1	0.20	\$2a83:	PDF
	A-AWI-08-250		1/2	250			1	0.19	\$2a84:	PDF
	A-AWI-08-500			500			1	0.39	\$2a85:	PDF
	A-AWI-08-1000			1000			1	0.77	\$2a86:	PDF
	A-AWI-12-250		3/4	250			1	0.43	\$2a87:	PDF
	A-AWI-12-500			500			1	0.87	\$2a88:	PDF
	A-AWI-12-1000			1000			1	1.73	\$2a89:	PDF
	A-AWI-16-250		1	250			1	0.77	\$2a8a:	PDF
	A-AWI-16-500			500			1	1.53	\$2a8b:	PDF
	A-AWI-16-1000			1000			1	3.05	\$2a8c:	PDF



DryLin® Shafting

- Available in supported versions
- Aluminum for low weight
- Diameters 1/2 - 1 inch

DryLin® Shafts



The "all-rounder" –
iglide® J



The specialist –
iglide® J200



The extreme –
iglide® T500 (X)*



The marathon runner –
iglide® E7



FDA compliant –
iglide® A180

Optimal shaft material(s)	all shaft materials	Aluminum, hard anodized	Hardened stainless steel Hard chrome plated steel	Steel stainless steel shaft	all shaft materials
Application temperature	-40°F to +194°F (-40°C to +90°C)	-40°F to +194°F (-40°C to +90°C)	-148°F to +482°F (-100°C to +250°C)	-40°F to +194°F (-40°C to +90°C)	-40°F to +194°F (-40°C to +90°C)
Best coefficient of friction with	Steel shaft	Aluminum, hard anodized	Steel, hard chrome-plated, SS	Steel stainless steel shaft	Stainless steel shaft
Maximum life time	Aluminum, hard anodized	Aluminum, hard anodized	Hardened stainless steel	Steel stainless steel shaft	Stainless steel shaft
Permissible stat. surface pressure	35 MPa	23 MPa	150 MPa	18 MPa	28 MPa
Moisture absorption	1.3% weight	0.7% weight	0.5% weight	< 0.1% weight	0.2% weight
Volume resistance	> 10 ¹³ Ωcm	> 10 ⁸ Ωcm	< 10 ⁵ Ωcm	> 10 ⁹ Ωcm	> 10 ¹² Ωcm
Part No.	JUM-...	J200UM-...	TUM-.../XUM-...	E7UM-...	A180UM-...

Available shaft materials:

Aluminum

- Ideal in combination with liners made from iglide® J/J200
- Lightweight
- Lower wear
- Corrosion resistant
- Available from stock

Steel

- Ideal with E7 liner
- Low-priced standard
- High load capacity
- Dry area applications
- Hard chrome-plated also available
- Lower coefficient of friction against plastic bearings

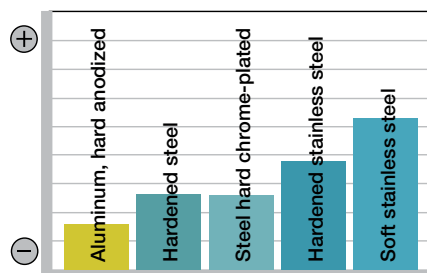
Stainless steel

- Ideal with E7 liner
- High corrosion resistance
- High chemical resistance
- Ideal solution for wet applications
- 300 series for extremely chemical intensive applications



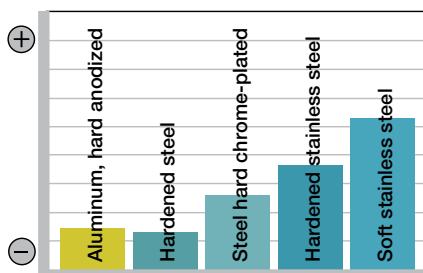
Please remember that this is a technical surface.
Small color variations are possible due to variable coating depths.

Wear



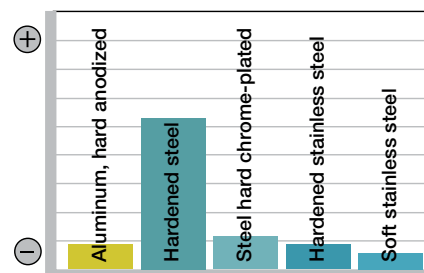
iglide® J against particular shaft materials

Coefficient of friction



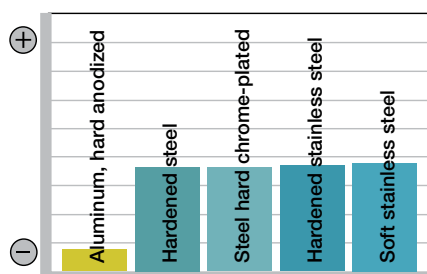
iglide® J against particular shaft materials

Corrosion

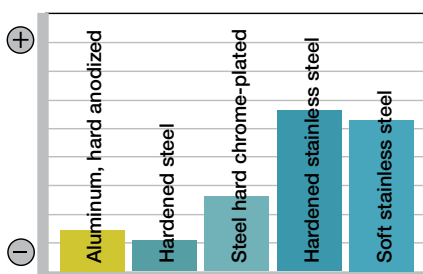


iglide® J against particular shaft materials

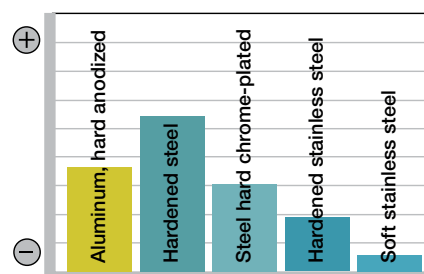
Weight



Costs



Chemical contamination



*X is the European equivalent material for iglide® T500