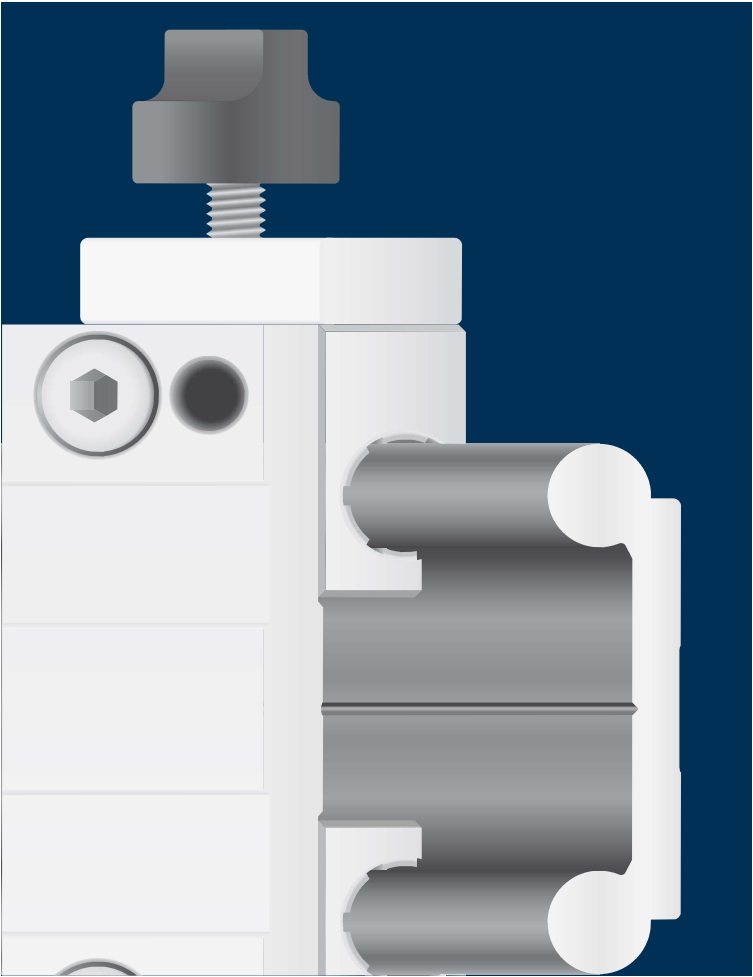
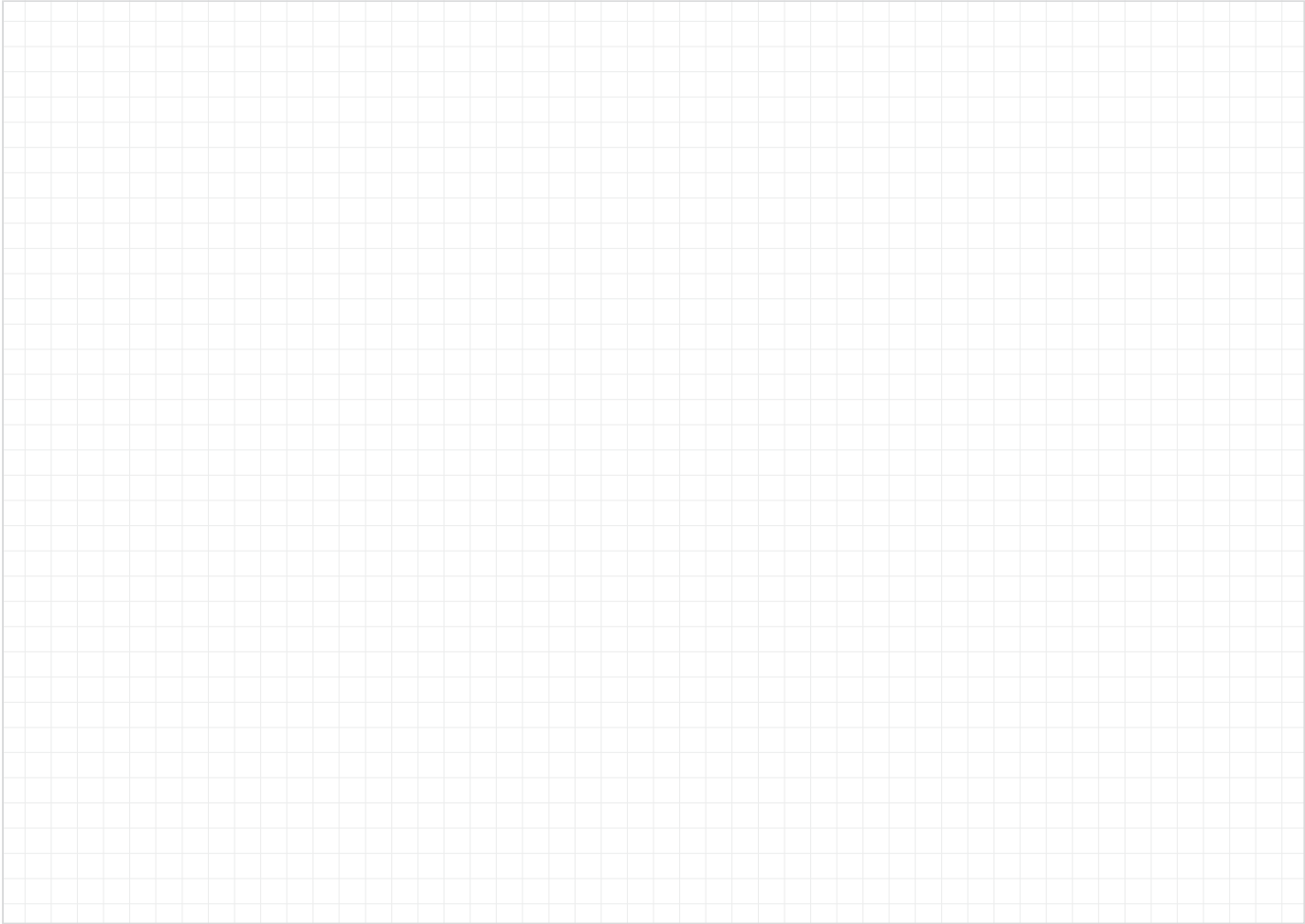




drylin[®] linear technology – drylin[®] W profile guides

Modular linear guides

Replaceable lubrication-free drylin[®] liners

Robust linear housings

Ready-to-install linear carriages

Single and double rails



Superior operating properties by combining iglidur® bearing elements and anodised rails with round shaft profiles

Corrosion-resistant with hard-anodised running surface

Quiet operation

Clean as no lubrication required

Lightweight due to the use of plastics and aluminium

Smooth operation with sliding elements made from lubrication-free iglidur® high-performance polymers

Maintenance-free due to integrated lubricants

Profiles with various geometric designs, installation sizes and clearances

Lubrication-free linear system – drylin® W

drylin® W profile guides are a cost-effective pre-assembled system. The design allows extremely high flexibility in the construction and installation due to the use of individual or double rails. Hard-anodised aluminium is used as rail material and provides the best friction and wear results. The absence of lubrication makes the profile guide system extremely insensitive to dirt and, due to its cleanliness, it is also suitable for applications in clean and hygienic environments.

- Easy installation, maintenance-free
- Resistant to dirt thanks to dry operation
- Lightweight and quiet
- Square rail with floating bearing function for 90° installation
- Bearing with manual clearance adjustment available

Typical application areas

- Agricultural machinery
- Automotive
- Medical technology
- Packaging industry
- Furniture



Available from stock

Detailed information about delivery time online.



Price breaks online

No minimum order value. No minimum order quantity.



Max. +200°C

Min. -40°C



Carriage lengths: 60–250mm

Carriage widths: 54–195mm

Rail length: up to 4,000mm



Service life calculation

► www.igus-asean.com/drylin-expert



Single components: Single and double rails

- Material: aluminium, hard-anodised
- Design freedom
- 316 stainless steel rails
- **From page 976**



Individual components: Pillow blocks

- Material: Zinc die-casting, aluminium or stainless steel
- Round or square design
- Liners made from iglidur® high-performance polymers
- **From page 977**



Assembled systems: Complete carriages

- Pre-assembled
- Variable lengths and widths
- Mono-slide carriage made from aluminium
- **From page 990**



Accessories

- Manual clamp for single bearing housing and complete carriages
- End caps for high profile rails
- **From page 1020**



Hybrid guides

- Linear housing with integrated single or double roller
- Low drive force
- Available as single housing or complete carriage
- **From page 1005**

Based on drylin® W



Measuring systems

► **From page 1187**



Linear modules
SLW/SAW/GRW/ZLW

► **From page 1338**



drylin® linear bearings enable precise positioning at high speeds. Unlike conventional bearings, they do not require lubrication and are corrosion free.



Lightweight due to the use of plastic and aluminium with a corrosion-free coating, the guides in the drylin® range impress with their quiet and precise running.



Adjustment mechanisms on gym equipment no longer have to be maintained thanks to the igus® drylin® W profile guides.



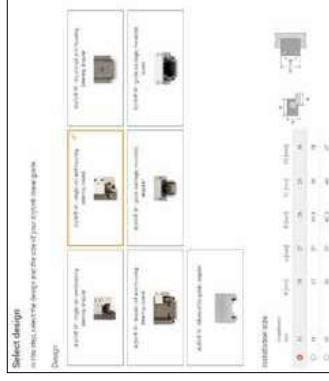
The dosing mechanism on this casting machine is subjected to high temperatures and dirt. To make it as durable as possible despite this, it is mounted with a drylin® W profile guide.



Due to the price advantage coupled with the resistance against dirt and dust, the customer opted for drylin® W.



Quiet, low vibration adjustments in the stage equipment field are enabled through the use of drylin® W linear guides based on steel shafts in combination with stainless steel pillow blocks.



Expert for linear guides: System selection and service life calculation with CAD
Configure and calculate the service life of linear bearings – constantly expanded by new sizes and products

Easily calculate the service life of your required linear guide and configure with a few clicks. Select a drylin® system and add the relevant environmental parameters. Select the bearing size, carriage, number and position. Then enter the distance between the rails and the mounting. Define more relevant parameter of the guidance and select a rail length. The results are displayed.



► www.igus-asean.com/drylin-expert



Download the online tool app now



drylin® CAD configurator: Generate complete 3D models for drylin® linear technology according to your specifications

The igus® CAD online configurator gives you the ability to design and save your linear guide as a system, individual components directly as a 3D model in all commonly used formats, or to have these sent by e-mail – free of charge and without registration.



► www.igus-asean.com/drylin-CAD

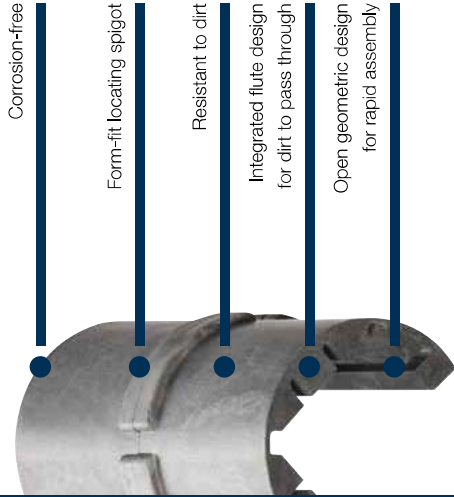
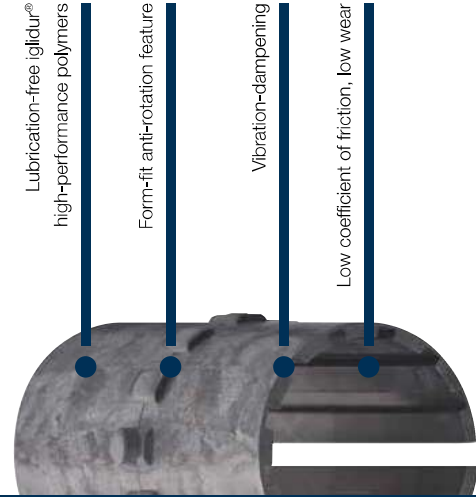
More information about the products can be found in the igus® download area

- Assembly instructions
- Assembly videos
- System design
- Catalogues



► www.igus-asean.com/downloads





drylin® liners made from high-performance polymers

Extremely wear-resistant tribopolymers improved by precisely blended additions of strengthening materials and solid lubricants, tested a thousand times and proved a million times – that is iglidur®. Further to the general properties, every iglidur® bearing material has a series of special features, which account for its particular suitability for certain applications and requirements. The detailed description of the materials can be found in the respective sections.

- Lubrication-free
- Corrosion-free
- Low coefficient of friction
- Maintenance-free
- Dirt resistance
- Lightweight
- High wear resistance
- Excellent price-performance ratio

	The all-rounder – iglidur® J	The specialist – iglidur® J200	The extreme – iglidur® X	The endurance runner – iglidur® E7	The FDA-compliant – iglidur® A180	Blue Sky Thinking FDA/EU-compliant iglidur® A160
Application temperature	from –50°C to +90°C	from –50°C to +90°C	from –100°C to +250°C	from –50°C to +70°C	from –50°C to +90°C	from –50°C to +90°C
Best coefficient of friction with	Steel shaft	Hard-anodised aluminium	Hard-chromed steel	Steel/stainless steel shaft	Stainless steel shaft	Hardened stainless steel shafts
Volume resistance	> 10 ¹⁰ Qcm	> 10 ¹⁰ Qcm	< 10 ⁹ Qcm	> 10 ¹⁰ Qcm	> 10 ¹⁰ Qcm	> 10 ¹⁰ Qcm
Moisture absorption	1.3% weight	0.7% weight	0.5% weight	< 0.1% weight	0.2% weight	< 0.1% weight
Maximum service life with	Hard-anodised aluminium	Hard-anodised aluminium	Hardened stainless steel	Steel/stainless steel shaft	Stainless steel shaft	Hardened stainless steel shafts
Potential counter partner	All shaft materials	Hard-anodised aluminium	Hardened stainless steel	Steel/stainless steel shaft	All shaft materials	Stainless steel
Permissible stat. surface pressure	35MPa	23MPa	150MPa	18MPa	28MPa	15MPa
Part No.	JUM-...	J200UM-...	XUM-...	E7UM-...	A180UM-...	A160UM-...



Floating bearings aid assembly – when using single rails

Assembly is easy with the drylin® W square profile. Floating bearings for all directions (±1mm) compensate misalignments and parallelism errors between rails. This eliminates jamming, otherwise only prevented by time-consuming manual alignment of the system. Although drylin® W is a profile rail system, it is able to compensate angular errors about the x-axis. An angular adjustment of ±7° is possible here. This effectively eliminates the misalignment known to occur when assembling to sheet metal fabrications.

Floating bearings for all directions (up to ±1mm) compensate misalignments and parallelism errors.

Possible combinations in assembled rail systems

Fixed bearing Floating bearing



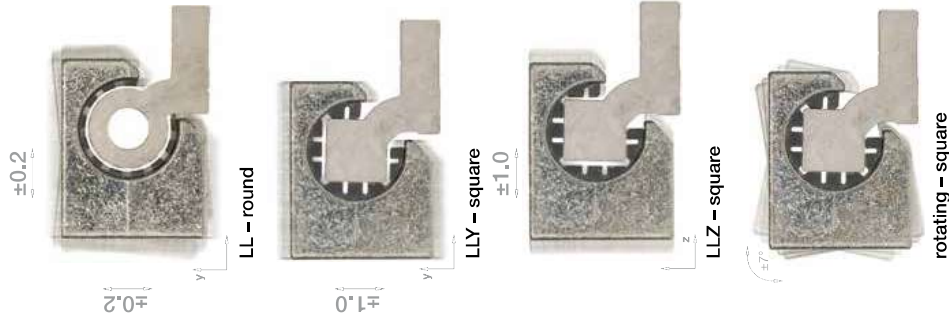
Fixed bearing Floating bearing



Fixed bearing Floating bearing



Available floating bearing blocks



Profiles	Installation size					Liner material				
	06	10	16	20	25	J200	X	A180	E7	A160
Single rail, round		●	●	●	●	●	●	●	●	●
Single rail, square		●	●	●	●	●	●	●	●	●
Double rail, round		●	●	●	●	●	●	●	●	●
Double rail, square	●	●	●	●	●	●	●	●	●	●
High profile, round		●	●			●				
High profile, square	●					●				
Stainless steel		●	●	●	●	●	●	●	●	●
Carbon fibre/fibreglass	●									
Curved rail	●	●								
Bearing housing – material										
Zinc die-cast	●	●	●	●	●	●	●	●	●	●
Aluminium	●	●	●	●	●	●	●	●	●	●
Stainless steel		●	●	●	●	●	●	●	●	●
Bearing housing – options										
With manual clamp	●	●	●	●	●	●	●	●	●	●
Clearance adjustment		●	●	●		●				
Hybrid roller bearing		●	●	●	●	●				
Pre-load		●	●	●						
Bearing can be changed on the rail		●				●				
Linear guides										
Pre-assembled carriages	●	●	●	●	●	●	●	●	●	●
Hybrid carriages		●	●	●						
Mono-slide carriage	●	●	●	●						
Systems										
Lead screw modules	●	●	●	●	●	●	●	●	●	●
Toothed belt axis	●	●	●	●		●				
With measuring system						●				

● Standard

● Optional

Available pillow blocks and carriages		Suitable liners					
		iglidur® J200	iglidur® J	iglidur® X	iglidur® E7	iglidur® A180	iglidur® A160
Pillow block, square		●	●				
	Standard						
	Aluminium	●					
Pillow block, round							
	Standard	●	●	●	●	●	●
	Stainless steel	●	●	●	●	●	●
	Aluminium	●	●	●	●	●	●
	Aluminium, tandem	●	●	●	●	●	●
	"Turn-to-fit"	●	●				
	Spring pre-load	●					
	Bearing can be changed on the rail	●					
	Hybrid – roll and slide		●				
Guide carriage, fitted							
	Standard, assembled, square	●	●	●	●	●	●
	Standard, assembled, round	●	●	●	●	●	●
	Hybrid, round		●				
	"Turn-to-fit" , round		●				
Complete carriages							
	Mono-slide, square		●				

● Standard

● Optional

Single rail, square, hard-anodised aluminium



WSQ-06

WSQ-10

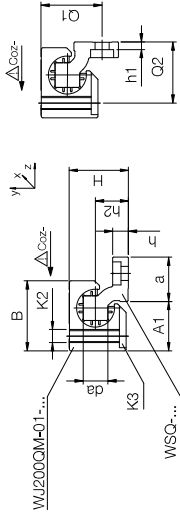
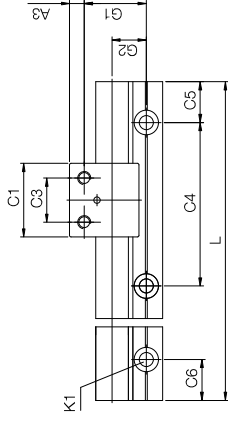
WSQ-16



WSQ-20



WSQ-25



Hard-anodised surfaces
► Page 958

Curved rail profiles
► Page 962

Technical data and dimensions [mm]

Part No.	Weight	H ⁵⁷⁾	da	L	a	h	h1	h2	G1	G2	A1	Q1	Q2
	[kg/m]	±0.25	-0.1	Max.									
WSQ-06	0.23	14	5	3,000	14	4	4 ⁵⁸⁾	7.5	18	10.5	13.5	17	15
WSQ-10	0.54	20	7.5	4,000	25	5.5	5.5 ⁵⁸⁾	11	27	17	18.5	26	21
WSQ-16	0.94	27	11.5	4,000	27	7.5	3.5	14	33	19	25	32	28
WSQ-20	1.41	36	15	4,000	27	9.5	4.5	20	38	21	30	37	37
WSQ-25	1.94	45	18.5	4,000	32	11.5	5.5	25	46.5	25.5	37.5	45.5	46

Part No.	C4	C5	C5	C6	C6	K1 for screw	Geometrical moment of inertia	Moment of resistance
		Min.	Max.	Min.	Max.		I _y [mm ⁴] I _z [mm ⁴] W _{by} [mm ³] W _{bz} [mm ³]	
WSQ-06	60	20	49.5	20	49.5	M4 ⁵⁹⁾	2,200 640 220 100	
WSQ-10	120	20	79.5	20	79.5	M6 ⁵⁹⁾	16,100 3,300 950 350	
WSQ-16	120	20	79.5	20	79.5	M8	33,000 10,800 1,700 910	
WSQ-20	120	20	79.5	20	79.5	M8	56,500 34,000 2,600 2,100	
WSQ-25	150	25	99.5	25	99.5	M10	115,900 73,500 4,500 3,700	

Standard hole pattern: C5 = C6, please order with drawing for C5 ≠ C6

⁵⁷⁾ Height dimension minus the bearing clearance tolerance

⁵⁸⁾ Plain holes

Can be combined with:



WJ200QM-...

Pillow blocks, square, made from zinc die-casting or aluminium



Can be combined with:



Suitable mounting plate
► Page 1026

Technical data and dimensions [mm]

Part No.	Floating bearing clearance direction	Floating bearing	Weight	B	C1	C3	A3	K2	K3 for countersunk head screw	Static load capacity Coy [N]	Coz+ [N]	Coz- [N]
			[g]	-AL								
WJ200QM-01-06	-	-	16	7.18	18	19	10	4.5	M3	420	420	140
WJ200QM-01-06-AL	-	-	16	7.18	18	19	10	4.5	M3	420	420	140
WJ200QM-01-06-LLY	± 0.5	y / z	16	7.18	18	19	10	4.5	M3	420	420	140
WJ200QM-01-06-LLZ	± 0.5	y / z	16	7.18	18	19	10	4.5	M3	420	420	140
WJ200QM-01-10	-	-	41	21	26	29	16	6.5	M5	1,200	1,200	250
WJ200QM-01-10-AL	-	-	41	21	26	29	16	6.5	M5	1,200	1,200	250
WJ200QM-01-10-LLY	± 0.7	y / z	41	21	26	29	16	6.5	M5	1,200	1,200	250
WJ200QM-01-10-LLZ	± 0.7	y / z	41	21	26	29	16	6.5	M5	1,200	1,200	250
WJ200QM-01-16	-	-	100	51	34.5	36	18	9	M8	2,100	2,100	400
WJ200QM-01-16-AL	-	-	100	51	34.5	36	18	9	M8	2,100	2,100	400
WJ200QM-01-16-LLY	± 1.0	y / z	100	51	34.5	36	18	9	M8	2,100	2,100	400
WJ200QM-01-16-LLZ	± 1.0	y / z	100	51	34.5	36	18	9	M8	2,100	2,100	400
WJ200QM-01-20	-	-	190	104	42.5	45	27	9	M8	3,200	3,200	500
WJ200QM-01-20-AL	-	-	190	104	42.5	45	27	9	M8	3,200	3,200	500
WJ200QM-01-20-LLY	± 1.0	y / z	190	104	42.5	45	27	9	M8	3,200	3,200	500
WJ200QM-01-20-LLZ	± 1.0	y / z	190	104	42.5	45	27	9	M8	3,200	3,200	500
WJ200QM-01-25	-	-	435	212	52.5	58	36	11	M10	4,800	4,800	950
WJ200QM-01-25-AL	-	-	435	212	52.5	58	36	11	M10	4,800	4,800	950
WJ200QM-01-25-LLY	± 1.0	y / z	435	212	52.5	58	36	11	M10	4,800	4,800	950
WJ200QM-01-25-LLZ	± 1.0	y / z	435	212	52.5	58	36	11	M10	4,800	4,800	950

Order example: WJ200QM-01-06: Pillow block, square

WJ200QM-01-06-LLZ: Pillow block, square, with floating bearing in z-direction

WJ200QM-01-06-AL: Pillow block, square, made from aluminium

Order key – single rail

Order key – pillow block

Type Length Size
WSQ-06 - □

Type Size
WJ200QM-01-10

Guide rail	Square	Shafts Ø	Rail length [mm]
------------	--------	----------	------------------

Options:

Blank: Fixed bearing

LLY: Floating bearing in y-direction

LLZ: Floating bearing in z-direction

AL: Pillow block made from aluminium

Single rail, round, hard-anodised aluminium



WS-10



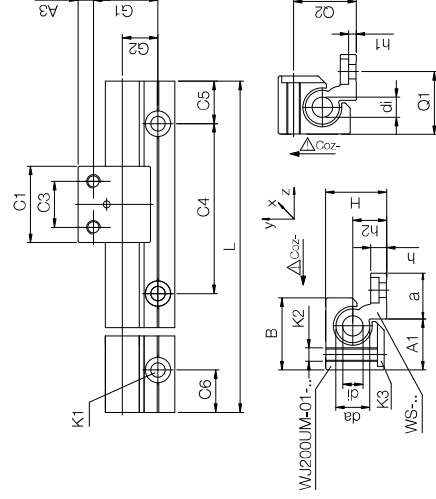
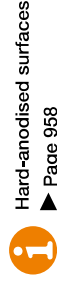
WS-16



WS-20



WS-25

This assembled position
not possible for WS-10Hard-anodised surfaces
► Page 958Stainless steel version available
► Page 1210Curved rail profiles
► Page 962

Technical data and dimensions [mm]

Part No.	Weight	H ⁵⁷⁾	da	di	L	a	h	h1	h2	G1	G2	A1	Q1	Q2
		±0,25	-0,1	Max.										
WS-10	0,62	18	10	-	4,000	27	5,5	5,5 ⁵⁸⁾	9	27	17	16,5	-	-
WS-16	0,98	27	16	8,0	4,000	27	7,5	3,5	14	33	19	25	32	28
WS-20	1,32	36	20	10,2	4,000	27	9,5	4,5	20	38	21	30	37	37
WS-25	2,03	45	25	14	4,000	32	11,5	5,5	25	46,5	25,5	37,5	45,5	46

Part No.	C1	C3	C4	C5	C5	C6	C6	A3	K1 for screw	Geometrical moment of inertia	ly	Iz	Wby	Wbz	Moment of resistance
				Min.	Max.	Min.	Max.		DIN 912	[mm ⁴]	[mm ⁴]	[mm ⁴]	[mm ³]	[mm ³]	[mm ³]
WS-10	29	16	120	20	79,5	20	79,5	6,5	M6 ⁵⁸⁾	19,000	2,850	1,000	310		
WS-16	36	18	120	20	79,5	20	79,5	9	M8	36,000	12,900	1,800	940		
WS-20	45	27	120	20	79,5	20	79,5	9	M8	57,100	35,000	2,700	1,900		
WS-25	58	36	150	25	99,5	25	99,5	11	M10	129,000	86,000	4,900	3,800		

Standard hole pattern: C5 = C6, please order with drawing for C5 ≠ C6

⁵⁷⁾ Height dimension minus the bearing clearance tolerance⁵⁸⁾ Plain holes

Can be combined with:

978 Online tools and more information ► www.igus-asean.com/drylinW

Single rails round, made of 316 stainless steel

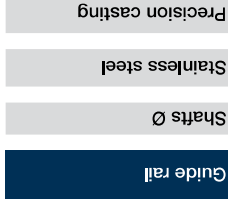


Order key – single rail

WS-10-ES-FG

Type

Material

Housing and shaft support
material

AISI 316

AISI 316Ti

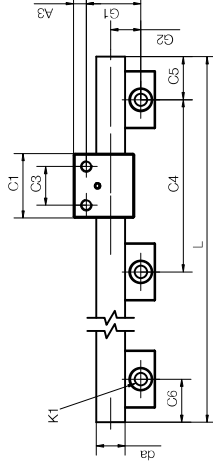
Shaft material

Installation size 25

Shaft, shaft support

and housing material

AISI 316Ti

This assembled position
is not possible for WS-10

Technical data and dimensions [mm]

Part No.	Weight	H ⁵⁷⁾	da	L	a	h	h1	h2	G1	G2	A1	Q1	Q2
		±0,25	-0,1	Max.	-0,3								
WS-10-ES-FG	0,87	18	10	3,000	27	5,5	5,5 ⁵⁸⁾	9	27	17	16,5	-	-
WS-16-ES-FG	2,22	27	16	3,000	27	12,0	4,5	14	33	19	25	32	28
WS-20-ES-FG	3,37	36	20	3,000	27	16,0	8,0	20	38	21	30	37	37
WS-25-ES-FG	5,21	45	25	3,000	32	20,0	9,0	25	46,5	25,5	37,5	45,5	46

Part No.	C1	C3	C4	C5	C5	C6	C6	A3	K1 for screw	Geometrical moment of inertia	ly	Iz	Wby	Wbz	Moment of resistance
				Min.	Max.	Min.	Max.		DIN 912	[mm ⁴]	[mm ⁴]	[mm ⁴]	[mm ³]	[mm ³]	[mm ³]
WS-10-ES-FG	29	16	120	20	79,5	20	79,5	6,5	M6 ⁵⁸⁾	491	491	98	98		
WS-16-ES-FG	36	18	120	20	79,5	20	79,5	9,0	M8	3,217	3,217	402	402		
WS-20-ES-FG	45	27	120	20	79,5	20	79,5	9,0	M8	7,854	7,854	785	785		
WS-25-ES-FG	58	36	150	25	99,5	25	99,5	11,0	M10	19,175	19,175	1,534	1,534		

⁵⁷⁾ Height dimension minus the bearing clearance tolerance⁵⁸⁾ Plain holes

Can be combined with:



Suitable liner material:

979 3D CAD files, prices and delivery time online ► www.igus-asean.com/drylinW

Pillow blocks, round, made from zinc die-casting or aluminium



Type	Size	Options
------	------	---------

WJ200UM-01-10 -AL

Order example:

WJ200UM-01-10:

Pillow block, round

WJ200UM-01-10-LL:

Pillow block, round, floating bearing

WJ200UM-01-10-AL:

Pillow block, round, made from aluminium

Suitable mounting plate

► Page 1026

Options:

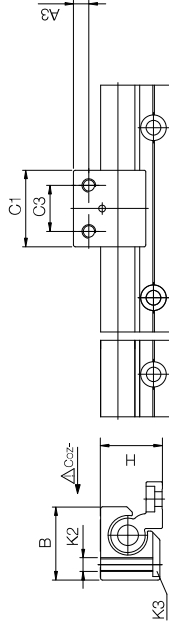
Blank: Fixed bearing

LL: Floating bearing

AL: Pillow block made from aluminium

ES: Stainless steel

ES-FG: Stainless steel precision casting



Technical data and dimensions [mm]

Part No.	Floating bearing clearance	Weight	B	C1	C3	A3	K2	K3 for countersunk head screw	Static load capacity		
									Coy	Coz+	Coz-
		[g]							[N]	[N]	[N]
WJ200UM-01-10	-	41	26,0	29	16	6,5	M6	M5	1,200	1,200	250
WJ200UM-01-10-LL	±0,2	41	26,0	29	16	6,5	M6	M5	1,200	1,200	250
WJ200UM-01-10-AL	-	20	26,0	29	16	6,5	M6	M5	1,200	1,200	250
WJUM-01-10-ES-FG ⁵⁹⁾	-	57	26,0	29	16	6,5	M6	M5	3,800	3,800	950
WJ200UM-01-16	-	100	34,5	36	18	9,0	M8	M6	2,100	2,100	400
WJ200UM-01-16-LL	±0,2	100	34,5	36	18	9,0	M8	M6	2,100	2,100	400
WJ200UM-01-16-AL	-	48	34,5	36	18	9,0	M8	M6	2,100	2,100	400
WJUM-01-16-ES-FG ⁵⁹⁾	-	134	34,5	36	18	9,0	M8	M6	6,900	6,900	1,450
WJ200UM-01-20	-	190	42,5	45	27	9,0	M8	M6	3,200	3,200	500
WJ200UM-01-20-LL	±0,25	190	42,5	45	27	9,0	M8	M6	3,200	3,200	500
WJ200UM-01-20-AL	-	99	42,5	45	27	9,0	M8	M6	3,200	3,200	500
WJUM-01-20-ES-FG ⁵⁹⁾	-	280	42,5	45	27	9,0	M8	M6	11,000	11,000	1,900
WJ200UM-01-25	-	425	52,5	58	36	11,0	M10	M8	4,800	4,800	950
WJ200UM-01-25-LL	±0,25	425	52,5	58	36	11,0	M10	M8	4,800	4,800	950
WJ200UM-01-25-AL	-	250	52,5	58	36	11,0	M10	M8	4,800	4,800	950
WJUM-01-25-ES-FG ⁵⁹⁾	-	564	52,5	58	36	11,0	M10	M8	16,000	16,000	3,600

⁵⁹⁾ Alternative with XUMO-01-... liners for high temperatures available. Part No.: WXUM-01-...

Pillow blocks, tandem, round, anodised aluminium



Type	Size	Material
------	------	----------

WJ200UM T-01-10 -AL

Order example:

WJ200UM-01-10:

Pillow block, round

WJ200UM-01-10-LL:

Pillow block, round, floating bearing

WJ200UM-01-10-AL:

Pillow block, round, made from aluminium

Suitable mounting plate

► Page 1026

Options:

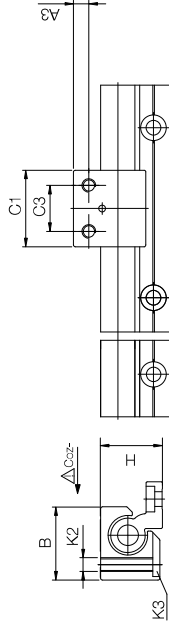
Blank: Fixed bearing

LL: Floating bearing

AL: Pillow block made from aluminium

ES: Stainless steel

ES-FG: Stainless steel precision casting



Technical data and dimensions [mm]

Part No.	Weight	B	C1	C3	A3	K2	K3 for countersunk head screw	Static load capacity		
								Coy	Coz+	Coz-
	[g]							[N]	[N]	[N]
WJ200UMT-01-10-AL	43	26	58	45	6,5	M6	M5	2,000	2,000	420
WJ200UMT-01-16-AL	102	34,5	72	54	9	M8	M6	3,400	3,400	670
WJ200UMT-01-20-AL	182	42,5	80	62	9	M8	M6	5,300	5,300	830

Can be combined with:



WS-... WS-...-ES-FG-... WS-... WS-...-ES-FG WSX-... iglidur® J iglidur® J200 iglidur® X iglidur® E7 iglidur® A180

Suitable liner material:



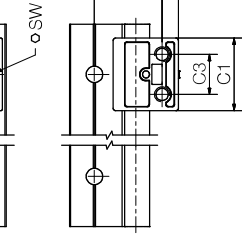
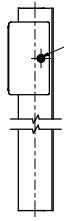
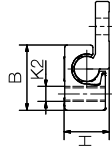
Pillow blocks, round, adjustable bearing clearance



Order key



Type	Size
WJ200UM E-01-10	
drylin® W	
Liner material	iglidur® J200
Pillow block, round	Adjustable
Standard	Standard
Size	



Allen key supplied



Suitable mounting plate

▲ Page 1026

Technical data and dimensions [mm]

Part No.	Weight	B	C1	C3	A3	K2	H	SW	G1	Static load capacity				
	[g]									Coy	Coz+	Coz-	[N]	[N]
WJUME-01-10	43	26	29	16	6,5	M6	18	1,5	27	560	560	560	250	250
WXUME-01-10	43	26	29	16	6,5	M6	18	1,5	27	560	560	560	250	250
WJUME-01-10-AL	19	26	29	16	6,5	M6	18	1,5	27	560	560	560	250	250
WJUME-01-10-ES	56	26	29	16	6,5	M6	18	1,5	27	560	560	560	250	250
WJ2000UM-01-10	110	34,5	36	18	9	M8	27	2,5	33	980	980	980	400	400
WJ2000UME-01-16	110	34,5	36	18	9	M8	27	2,5	33	980	980	980	400	400
WJ2000UME-01-16-AL	45	34,5	36	18	9	M8	27	2,5	33	980	980	980	400	400
WJ2000UME-01-16-ES	132	34,5	36	18	9	M8	27	2,5	33	980	980	980	400	400
WJ2000UME-01-20	222	42,5	45	27	9	M8	36	2,5	38	1,500	1,500	1,500	500	500
WJ2000UME-01-20-AL	95	42,5	45	27	9	M8	36	2,5	38	1,500	1,500	1,500	500	500
WJ2000UME-01-20-ES	275	42,5	45	27	9	M8	36	2,5	38	1,500	1,500	1,500	500	500
WJ2000UME-01-25	431	52,5	58	36	11	M10	45	2,5	46,5	2,250	2,250	2,250	950	950
WJ2000UME-01-25-AL	194	52,5	58	36	11	M10	45	2,5	46,5	2,250	2,250	2,250	950	950
WJ2000UME-01-25-ES	539	52,5	58	36	11	M10	45	2,5	46,5	2,250	2,250	2,250	950	950

Can be combined with:



Suitable liner material:



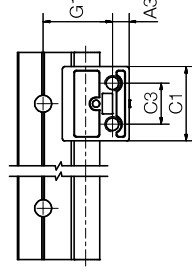
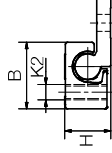
Pillow blocks, round, with spring pre-load



Order key



Type	Size	Material
WJ200UM-01-16-□-P40		
drylin® W		
Liner material	iglidur® J200	
Pillow block, round	Standard	
Size		Housing material
Standard		
Size		
Material		Pre-load



Options:

Blank: Zinc die-casting (Zn)

AL: Aluminium

ES: Stainless steel (AISI 316Ti, machined)



Suitable mounting plate

▲ Page 1026

drylin® stop motion full product range online
► www.igus-asean.com/drylinstopmotion

Technical data and dimensions [mm]

Part No.	Spring colour	Pre-load	Weight	B	C1	C3	A3	K2	H	SW	G1
		[N]	(Zn) [g]	-ES [g]	-AL [g]						
WJ200UM-01-10-□-P40	blue	4	43	56	19	26	29	16	6,5	M6	18
WJ200UM-01-10-□-P90	yellow	9	43	56	19	26	29	16	6,5	M6	18
WJ200UM-01-10-□-P140	red	14	43	56	19	26	29	16	6,5	M6	18
WJ200UM-01-16-□-P40	blue	4	110	132	46	34,5	36	18	9	M8	27
WJ200UM-01-16-□-P90	yellow	9	110	132	46	34,5	36	18	9	M8	27
WJ200UM-01-16-□-P140	red	14	110	132	46	34,5	36	18	9	M8	27
WJ200UM-01-16-□-P230	green	23	110	132	46	34,5	36	18	9	M8	27
WJ200UM-01-20-□-P40	blue	4	222	275	95	42,5	45	27	9	M8	36
WJ200UM-01-20-□-P90	yellow	9	222	275	95	42,5	45	27	9	M8	36
WJ200UM-01-20-□-P140	red	14	222	275	95	42,5	45	27	9	M8	36
WJ200UM-01-20-□-P230	green	23	222	275	95	42,5	45	27	9	M8	36

Can be combined with:



Suitable liner material:

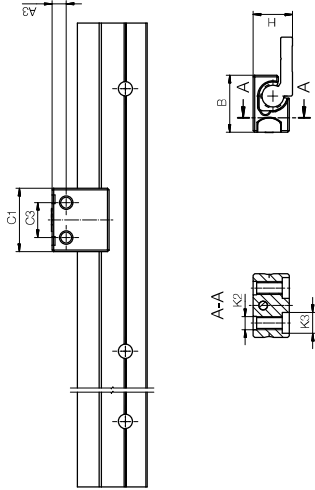


Pillow blocks, round; change the liner without disassembly



Order key

Type	Size
WJ200UM A -01-10-AL	
drylin® W	Aluminium
Liner material iglidur® J200	Size
Pillow block, round	Standard
Replaceable	



Technical data and dimensions [mm]

Part No.	Weight		B	C1	C3	A3	K2	K3 ¹⁵⁰⁾	H	Static load capacity	
	[g]									Coy	Coz-
WJ200UMA-01-10-AL	18	26,0	29	16	6,5	M6	M5	18	1,000	1,000	200
WJ200UMA-01-16-AL New	44	34,5	36	18	9,0	M8	M6	27	1,250	1,250	275
WJ200UMA-01-20-AL New	91	42,5	45	27	9,0	M8	M6	36	1,500	1,500	350

¹⁵⁰⁾ Counterbore for socket cap bolt

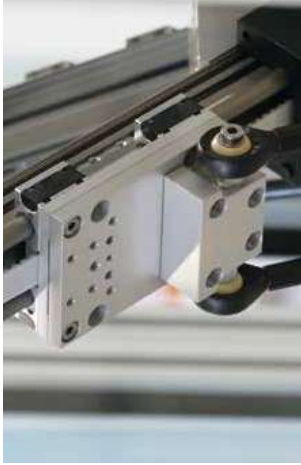
Suitable mounting plate
▶ Page 1026

More installation can be found online
▶ www.igus-asean.com/replacement-bearing-installation

Can be combined with:



Suitable liner material/accessories



Application in delta robots

Pillow block with interchangeable WJ200UMA liner for drylin® delta robots ▶ Page 1447.



Quick bearing replacement directly on the rail

For 24/7 operation. Simple replacement without disassembly, with assembly tool. All existing drylin® W systems can be retrofitted



Installation guide online

▶ www.igus-asean.com/WJUMA

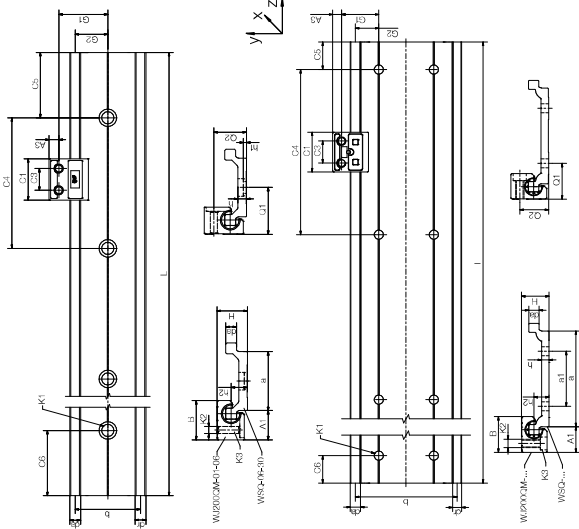
drylin® W pillow blocks for longer and more reliable operating times





 Hard-anodised surfaces
► Page 958

 Curved rail profiles
► Page 962



Technical data and dimensions [mm]

Part No.	Weight [kg/m]	H ⁵⁷⁾ ±0.25	da -0.1	dr Max.	L	a	A1	b	h	h1	h2	G1	G2	a1 ⁶¹⁾	Q1	Q2
WSQ-06-30	0.45	14	5	5	3 000	27-0.4	13.5	30	4	4 ⁵⁸⁾	7.5	22.5	15	-	21.5	15
WSQ-06-60	0.70	14	5	5	3 000	58-0.4	13.5	61	4	4 ⁵⁸⁾	7.0	42.5	30.5	40	17	15
WSQ-10-40	0.92	20	7.5	6.7	4 000	36-0.5	18.5	40	5.5	5.5 ⁵⁸⁾	11	30	20	-	29	21
WSQ-10-80	1.41	20	7.5	6.7	4 000	70-0.7	18.5	74	5.5	5.5 ⁵⁸⁾	11	27	17	40	26	21
WSQ-10-120	2.02	20	7.5	6.7	4 000	116-0.7	18.5	120	5.5	5.5 ⁵⁸⁾	11	30	20	80	29	21
WSQ-16-60	1.84	27	11.5	10.7	4 000	54-0.5	35.5	58	7.5	3.5	14	43	29	-	42	28
WSQ-20-80	3.30	36	15	14.1	4 000	74-0.7	30.0	82	9.5	4.5	20	38	21	40	37	37

Part No.	C4	C5	C6	K1 for screw	Geometrical moment of inertia	l _y	l _z	Wby	Wbz	Moment of resistance	Wby	Wbz
		Min.	Max.	Min.	Max.							
WSQ-06-30	60	20	49,5	20	49,5	M5 ⁵⁸⁾	19,000	1,250	1,100	200		
WSQ-06-60	60	20	49,5	20	49,5	M5 ⁵⁸⁾	117,900	1,600	3,500	290		
WSQ-10-40	120	20	79,5	20	79,5	M6 ⁵⁸⁾	71,600	5,580	3,000	610		
WSQ-10-80	120	20	79,5	20	79,5	M6 ⁵⁸⁾	335,000	7,070	8,300	700		
WSQ-10-120	120	20	79,5	20	79,5	M6 ⁵⁸⁾	1,175,000	8,000	18,400	760		
WSQ-16-60	120	20	79,5	20	79,5	M8	324,700	20,500	9,400	1,700		
WSQ-20-80	120	20	79,5	20	79,5	M8	1,145,000	75,300	23,600	4,500		

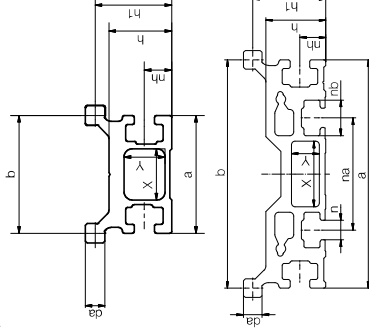
⁵⁷⁾ Height dimension minus the bearing clearance tolerance ⁵⁸⁾ With plain holes
⁶¹⁾ WSQ-06-30/-10-40/-16-60 a single row of mounting holes down the centreline,
WSQ-06-60/10-80/-10-120/-20-80 two parallel rows of mounting holes

Can be combined with:



 Suitable end caps
► Page 1025

 Order example:
WSX-06-30/06-60: High profile rail, square
WSQ-06-30: Standard double rail, square



Technical data and dimensions [mm]

Part No.	Weight	da	L	a	b	h	h1	nh	n	nb	na	X	Y	Geometrical moment of inertia	l _y	l _z	Wby	Wbz	Moment of resistance	l _y	l _z	Wby	Wbz
	[kg/m]																						
WSX-06-30	0.76	5	4,000	29,7	30	16	19,5	7	-	-	-	12	10	30,391	11,674	1,736	845						
WSX-06-60	1.39	5	4,000	61	61	16	19,5	6,9	5,2	9,5	30	17,5	7,5	212,826	17,018	6,448	1,398						

 Order key

 Order key

Type	Length
Profile rail	
Square	
Shaft Ø	
Rail width [mm]	
Rail length [mm]	

WSQ-06-30-3000

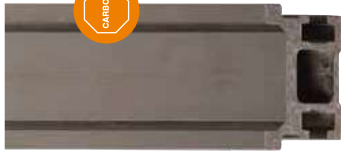
Profile rail	
Square	
Shaft Ø	
Rail width [mm]	
Rail length [mm]	

Type	Length
Profile rail	
High profile rail	
Shaft Ø	
Rail width [mm]	
Rail length [mm]	

WSX-06-30-4000

Can be combined with:



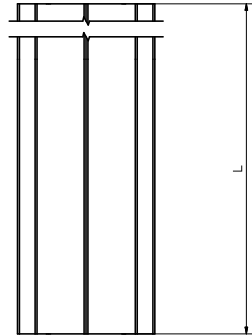
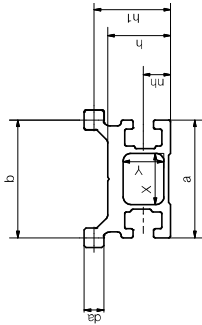


Order key

Type Dimensions [mm]/Type

W S P C-06-30-1000

drylin® W	Rail
Plastic	
Carbon fibre	
Shaft Ø	
Rail width	
Rail length	



Technical data – guide rail

Part No.	F max. radial		Weight	ly	lz
	stat.	dyn.			
	[N]	[N]	[g/m]	[mm²]	[mm³]
WSPC-06-30	300	60	410	30,391	11,674

Dimensions [mm] – guide profile

Part No.	a	b	da	h	h1	nh	X	Y	L
			-0,1						
WSPC-06-30	30	30	5	16	19,5	7	13	10	3,000

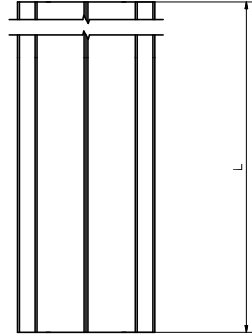
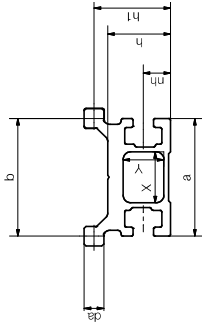


Order key

Type Dimensions [mm]/Type

W S P G-06-30-1000

drylin® W	Rail
Plastic	
Fibreglass	
Shaft Ø	
Rail width	
Rail length	



Technical data – guide rail

Part No.	F max. radial		Weight	ly	lz
	stat.	dyn.			
	[N]	[N]	[g/m]	[mm²]	[mm³]
WSPG-063001	200	50	505	30,391	11,674

Dimensions [mm] – guide profile

Part No.	a	b	da	h	h1	nh	X	Y	L
			-0,1						
WSPG-063001	30	30	5	16	19,5	7	13	10	2,000

Dimensions [mm] – complete system

Part No.	H	A1	A	A2	C	C2
WSPG-063001	30	12	52	45	60	51

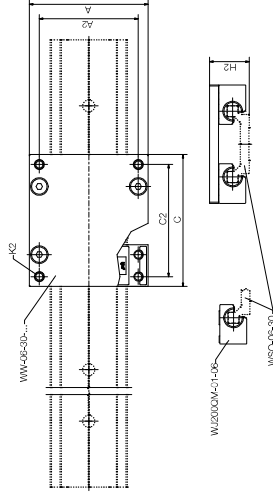


Order key

Type	Size
------	------

WWQ-06-30-06

Guide carriage	Square	Shafts-Ø [mm]	Profile width	Carriage length
----------------	--------	---------------	---------------	-----------------



Technical data and dimensions [mm]

Part No. ⁵⁴⁾	Weight [kg]	A	C	Length	A2	C2	K2	H2 ⁵⁷⁾ ±0,25	Static load capacity			
									Coy	Coz	Mox	Moy
									[N]	[N]	[Nm]	[Nm]
WWQ-06-30-06	0.10	54	60	45	51	M4	18	1,680	840	25	34	34
WWQ-06-30-08	0.11	54	80	45	71	M4	18	1,680	840	25	51	51
WWQ-06-30-10	0.12	54	100	45	91	M4	18	1,680	840	25	68	68
WWQ-06-60-06	0.13	85	60	76	51	M4	18	1,680	840	50	34	34
WWQ-06-60-08	0.15	85	80	76	71	M4	18	1,680	840	50	51	51
WWQ-06-60-10	0.17	85	100	76	91	M4	18	1,680	840	50	68	68
WWQ-10-40-10	0.29	73	100	60	87	M6	26	4,800	2,400	96	170	170
WWQ-10-40-15	0.34	73	150	60	137	M6	26	4,800	2,400	96	290	290
WWQ-10-40-20	0.40	73	200	60	187	M6	26	4,800	2,400	96	410	410
WWQ-10-80-10	0.34	107	100	94	87	M6	26	4,800	2,400	178	170	170
WWQ-10-80-15	0.42	107	150	94	137	M6	26	4,800	2,400	178	290	290
WWQ-10-80-20	0.50	107	200	94	187	M6	26	4,800	2,400	178	410	410
WWQ-10-120-10	0.41	153	100	140	87	M6	26	4,800	2,400	288	170	170
WWQ-10-120-15	0.54	153	150	140	137	M6	26	4,800	2,400	288	290	290
WWQ-10-120-20	0.66	153	200	140	187	M6	26	4,800	2,400	288	410	410
WWQ-16-60-10	0.71	104	100	86	82	M8	35	8,400	4,200	240	270	270
WWQ-16-60-15	0.84	104	150	86	132	M8	35	8,400	4,200	240	480	480
WWQ-16-60-20	0.97	104	200	86	182	M8	35	8,400	4,200	240	690	690
WWQ-20-80-15	1.20	134	150	116	132	M8	44	12,800	6,400	525	670	670
WWQ-20-80-20	1.30	134	200	116	182	M8	44	12,800	6,400	525	990	990
WWQ-20-80-25	1.50	134	250	116	232	M8	44	12,800	6,400	525	1,250	1,250

⁵⁷⁾ Height dimension minus the bearing clearance tolerance ⁶⁴⁾ Optional with manual clamp, suffix "-HKA"

Can be combined with:



Suitable liner material:

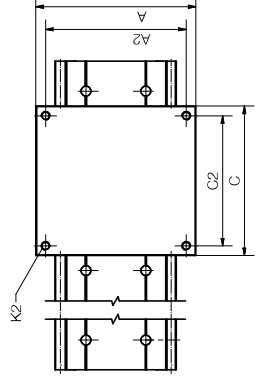


Order key

Type	Size
------	------

WWC-10-40-10

Mono-slide guide carriage	Shafts-Ø [mm]	Profile width	Carriage length
---------------------------	---------------	---------------	-----------------



Technical data and dimensions [mm]

Part No.	Weight [kg]	A	C	Length	A2	C2	K2	H2 ⁵⁷⁾ ±0,2	Static load capacity			
									Coy	Coz	Mox	Moy
									[N]	[N]	[Nm]	[Nm]
WWC-06-30-06	0.07	54	60	45	51	M4	16	1,680	840	25	34	34
WWC-06-30-08	0.09	54	80	45	71	M4	16	1,680	840	25	51	51
WWC-06-30-10	0.12	54	100	45	91	M4	16	1,680	840	25	68	68
WWC-10-40-10	0.21	73	100	60	87	M6	22	4,800	2,400	96	170	170
WWC-10-40-15	0.32	73	150	60	137	M6	22	4,800	2,400	96	290	290
WWC-10-40-20	0.42	73	200	60	187	M6	22	4,800	2,400	96	410	410
WWC-10-80-10	0.28	107	100	94	87	M6	22	4,800	2,400	178	170	170
WWC-10-80-15	0.42	107	150	94	137	M6	22	4,800	2,400	178	290	290
WWC-10-80-20	0.56	107	200	94	187	M6	22	4,800	2,400	178	410	410
WWC-10-120-10	0.36	153	100	140	87	M6	22	4,800	2,400	288	170	170
WWC-10-120-15	0.54	153	150	140	137	M6	22	4,800	2,400	288	290	290
WWC-10-120-20	0.72	153	200	140	187	M6	22	4,800	2,400	288	410	410
WWC-16-60-10	0.41	104	100	86	82	M8	30	8,400	4,200	240	270	270
WWC-16-60-15	0.61	104	150	86	132	M8	30	8,400	4,200	240	480	480
WWC-16-60-20	0.80	104	200	86	182	M8	30	8,400	4,200	240	690	690
WWC-20-80-15	0.99	134	150	116	132	M8	40	12,800	6,400	525	670	670
WWC-20-80-20	1.33	134	200	116	182	M8	40	12,800	6,400	525	990	990
WWC-20-80-25	1.66	134	250	116	232	M8	40	12,800	6,400	525	1,250	1,250

⁵⁷⁾ Height dimension minus the bearing clearance tolerance

Can be combined with:



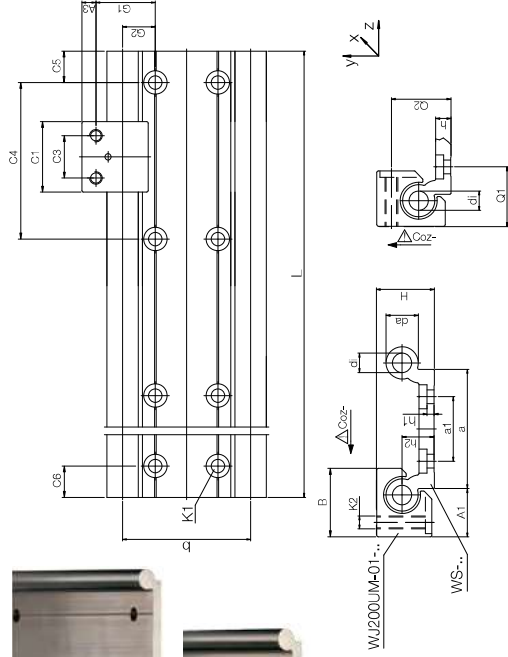
Suitable liner material:





 Hard-anodised surfaces
► Page 958

 Curved rail profiles
► Page 962



This orientation not possible for
WS-10-40/
WS-10-80/WS-10-120

Technical data and dimensions [mm]

Part No.	Weight [kg/m]	H ⁵⁷⁾ ±0,25	da	di	L	a	A1	b	h	h1	h2	G1	G2	a1 ⁵⁸⁾	Q1	Q2
WS-10-30	0,85	18	10-0,1	-	4,000	30-0,5	16,5	30	5,5	5,5 ⁵⁹⁾	9	25	15	-	-	-
WS-10-40	1,00	18	10-0,1	-	4,000	40-0,5	16,5	40	5,5	5,5 ⁵⁹⁾	9	30	20	-	-	-
WS-10-80	1,50	18	10-0,1	-	4,000	74-0,7	16,5	74	5,5	5,5 ⁵⁹⁾	9	27	17	40	-	-
WS-10-120	2,02	18	10-0,1	-	4,000	120-0,7	16,5	120	5,5	5,5 ⁵⁹⁾	9	30	20	80	-	-
WS-16-60	1,96	27	16-0,1	8,0	4,000	54-0,5	25,0	58	7,5	3,5	14	43	29	-	32	28
WS-20-80	3,30	36	20-0,1	10,2	4,000	74-0,7	30,0	82	9,5	4,5	20	38	21	40	37	37
WS-25-120	5,8	45	25-0,15	14,0	4,000	120-0,7	37,5	131	11,5	5,5	25	46,5	25,5	80	45,5	46

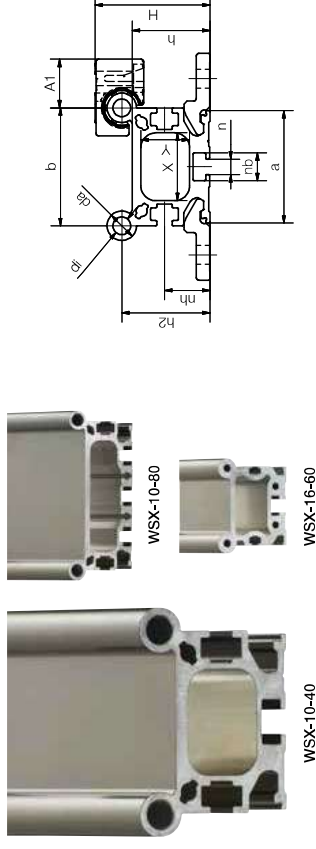
⁵⁷⁾ Height dimension minus the bearing clearance tolerance

⁵⁹⁾ WS-10-40/-16-60 a single row of mounting holes down the centreline; WS-10-80/-10-120/-20-80/-25-120 two parallel rows of mounting holes

Part No.	C4	C5	Min.	Max.	C6	K1 for screw	Geometrical moment of inertia I _y [mm ⁴] I _z [mm ⁴]	Moment of resistance W _{by} [mm ³] W _{bz} [mm ³]
WS-10-30	120	20	79,5	20	79,5	M5 ⁵⁹⁾	47,500 4,400	2,370 540
WS-10-40	120	20	79,5	20	79,5	M6 ⁵⁹⁾	91,000 5,100	3,600 590
WS-10-80	120	20	79,5	20	79,5	M6 ⁵⁹⁾	388,000 6,100	9,200 650
WS-10-120	120	20	79,5	20	79,5	M6 ⁵⁹⁾	1,303,000 7,100	20,000 720
WS-16-60	120	20	79,5	20	79,5	M8	367,600 26,100	9,900 1,900
WS-20-80	120	20	79,5	20	79,5	M8	1,080,000 78,700	21,000 4,000
WS-25-120	150	25	99,5	25	99,5	M10	4,867,000 215,000	62,400 8,500

Standard hole pattern: C5 = C6, please order with drawing for C5 ≠ C6.

⁵⁹⁾ Plain holes



Technical data and dimensions [mm]

Part No.	Weight [kg/m]	H ⁵⁷⁾ ±0,25	da	di	L	a	A1	b	h	h2	s	K1	C1	C3	G1
WSX-10-40	1,3	39 ±0,02	10	6	4,000	38,2	16,5	40	26,5	30	60	M6	29	16	30
WSX-10-80	2	39 ±0,02	10	6	4,000	72,2	16,5	74	26,5	30	94	M6	29	16	47
WSX-16-60	4,2	65 ±0,02	16	6	4,000	62	25	58	49	52	100	M8	36	18	50

nh	n	nb	X	Y	Surface inertia-moment I _y [mm ⁴] I _z [mm ⁴]	W _{by} [mm ³] W _{bz} [mm ³]	Moment of resistance
15,5	5,2	9,5	23	16	97,560 54,910	3,902 3,074	3,074
15,5	5,2	9,5	55	16	483,653 83,613	11,515 4,684	4,684
27,6	10	15,4	40	27,0	540,876 773,489	14,618 24,586	24,586

⁵⁷⁾ Height dimension minus the bearing clearance tolerance

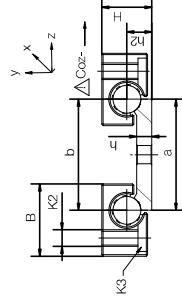
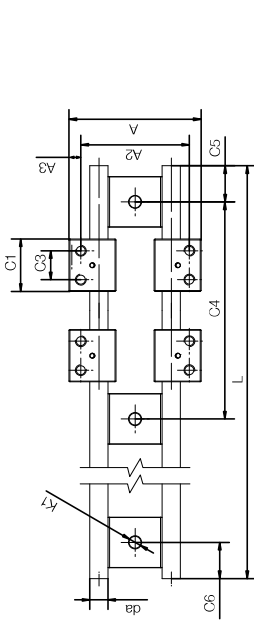
 Order key

 Order key

Type	Length	Type	Length
Profile rail, round	Rail width [mm] Shaft Ø	Profile rail	High profile rail Shaft Ø
WS-10-40-3000	Rail length [mm]	WS X-10-40-4000	Rail width [mm] Rail length [mm]

drylin® W profile guides | Product range

Double rail made of 316 stainless steel

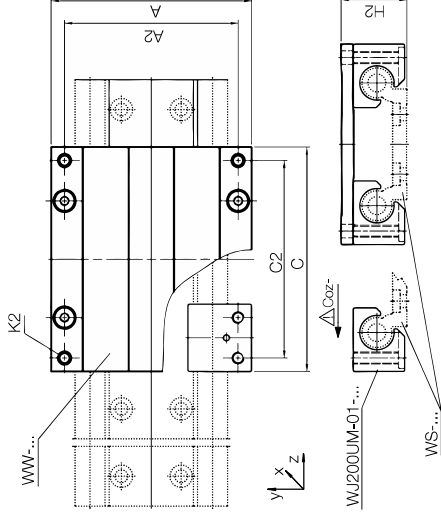


-  Installation size 10-20
- Housing and shaft support material **AISI 316**
- Shaft material **AISI 316Ti**
- Installation size 25
- Shaft, shaft support and housing material **AISI 316Ti**

Technical data and dimensions [mm]

Part No.	Weight [kg/m]	H ⁽⁵⁷⁾ ±0.25	da h9	L Max.	a -0.3	b	h	h2	A	A2
WS-10-40-ES-FG	1.58	18	10	3,000	40	40	5.5	9	73	60
Part No.	C4	C5 Min.	C5 Max.	C6 Min.	C6 Max.	K1 for screw DIN 912				
WS-10-40-ES-FG	120	20	79.5	20	79.5	M6				

⁵⁷⁾ Height dimension minus the bearing clearance tolerance



-  In the following sizes, also available with adjustable bearing clearance:
10, 16 and 20; order example: **WWE-10-40-15**

Technical data and dimensions [mm]

Part No. ⁶⁴⁾	Weight [kg]	A	C	A2	C2	K2	H2 ⁵⁷⁾ ±0,25	Static load capacity				
		Width	Length					Coz	Coz	Max	Moy	Moz
								[N]	[N]	[Nm]	[Nm]	[Nm]
WW-10-30-08	0,26	63	80	50	67	M6	24	4,800	2,400	72	120	120
WW-10-30-10	0,28	63	100	50	87	M6	24	4,800	2,400	72	170	170
WW-10-30-15	0,32	63	150	50	137	M6	24	4,800	2,400	72	290	290
WW-10-40-10	0,29	73	100	60	87	M6	24	4,800	2,400	96	170	170
WW-10-40-15	0,34	73	150	60	137	M6	24	4,800	2,400	96	290	290
WW-10-40-20	0,40	73	200	60	187	M6	24	4,800	2,400	96	410	410
WW-10-80-10	0,34	107	100	94	87	M6	24	4,800	2,400	178	170	170
WW-10-80-15	0,42	107	150	94	137	M6	24	4,800	2,400	178	290	290
WW-10-80-20	0,50	107	200	94	187	M6	24	4,800	2,400	178	410	410
WW-10-120-10	0,41	153	100	140	87	M6	24	4,800	2,400	288	170	170
WW-10-120-15	0,54	153	150	140	137	M6	24	4,800	2,400	288	290	290
WW-10-120-20	0,66	153	200	140	187	M6	24	4,800	2,400	288	410	410
WW-16-60-10	0,71	104	100	86	82	M8	35	8,400	4,200	240	270	270
WW-16-60-15	0,84	104	150	86	132	M8	35	8,400	4,200	240	480	480
WW-16-60-20	0,97	104	200	86	182	M8	35	8,400	4,200	240	690	690
WW-20-80-15	1,20	134	150	116	132	M8	44	12,800	6,400	525	670	670
WW-20-80-20	1,30	134	200	116	182	M8	44	12,800	6,400	525	990	990
WW-20-80-25	1,50	134	250	116	232	M8	44	12,800	6,400	525	1,250	1,250
WW-25-120-15	2,54	195	150	173	128	M10	55	19,200	9,600	1,250	880	880
WW-25-120-20	2,80	195	200	173	178	M10	55	19,200	9,600	1,250	1,360	1,360
WW-25-120-25	3,07	195	250	173	228	M10	55	19,200	9,600	1,250	1,840	1,840

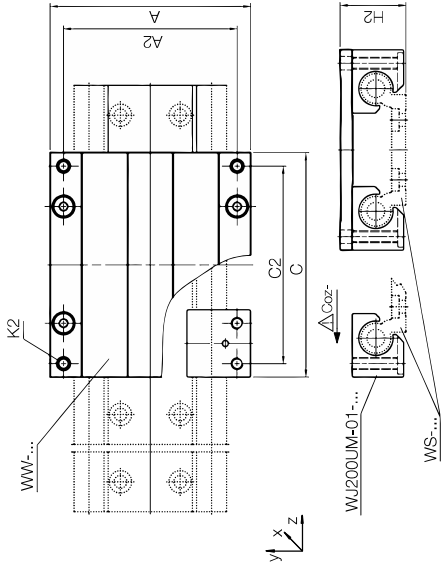
⁵⁷⁾ Height dimension minus the bearing clearance tolerance ⁶⁴⁾ Optional with manual clamp, suffix "-HKA"

Can be combined with:



Suitable liner material:





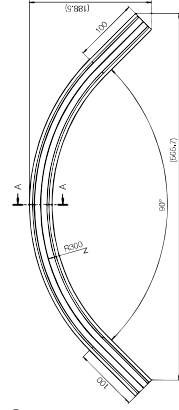
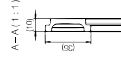
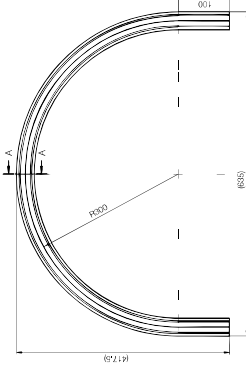
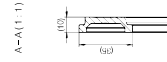
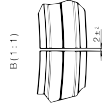
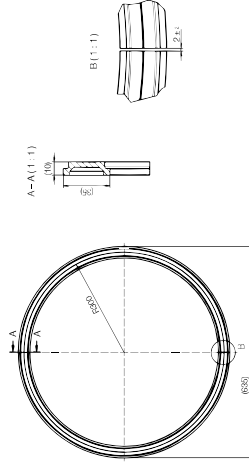
Technical data and dimensions [mm]

Part No. ⁽⁶⁴⁾	Weight		A	C	A2	C2	K2	H2 ⁽⁵⁷⁾ ±0,25	Static load capacity					
	[kg]	Coy							Coz	Mox	Moy	Moz		
													[N]	[N]
WW-10-40-10-J200-GESG-PES	0,29	73	100	60	87	M6	24	4,800	2,400	96	170	170	170	
WW-10-40-15-J200-GESG-PES	0,34	73	150	60	137	M6	24	4,800	2,400	96	290	290	290	
WW-10-40-20-J200-GESG-PES	0,40	73	200	60	187	M6	24	4,800	2,400	96	410	410	410	

⁶⁷⁾ Height dimension minus the bearing clearance tolerance ⁶⁴⁾ Optional with manual clamp, suffix "-HKA"



WSB-06-30-RK300QS



More information
► www.iquis-asea.com

Curved rail profiles
▶ Page 962

Technical data and dimensions [mm]

Part No.	Matching carriage for curved rail	Design	Bend radius	End straight
WSB-06-30-RK300F ⁽¹⁵¹⁾	WWB-06-30-06-R300	Full circle	300	—
WSB-06-30-RK300HS	WWB-06-30-06-R300	Half circle	300	100
WSB-06-30-RK300QS	WWB-06-30-06-R500	Quarter circle	300	100
WSB-06-30-RK500HS	WWB-06-30-06-R500	Half circle	500	100
WSB-06-30-RK500QS	WWB-06-30-06-R500	Quarter circle	500	100

¹⁵⁾ The F version (full circle) has a transition of 2mm (± 0.2). Due to the bending process, material displacement tolerances, which can be up to several millimetres depending on the bend direction and radius, must be taken into account.

RK: Radius curved bending

S: Straight rail ends in the case of semicircle and quarter circle

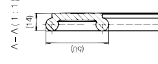
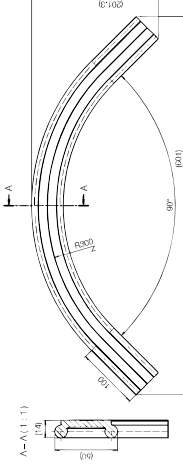
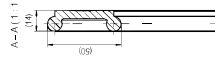
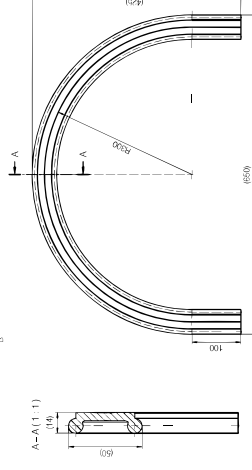
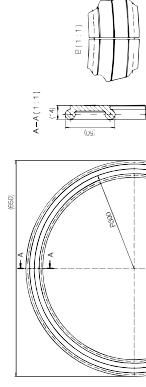
Can be combined with:



WWB-...



WSB-10-40-RK300QS



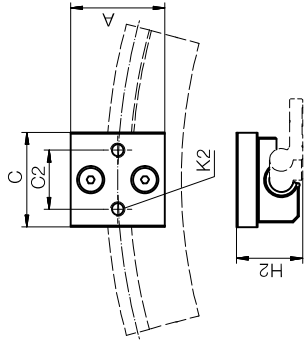
Technical data and dimensions [mm]

Part No.	Matching carriage for curved rail	Design	Bend radius	End straight
WSB-10-40-RK300F ⁽⁵¹⁾	WWB-10-40-10-R300	Full circle	300	—
WSB-10-40-RK300HS	WWB-10-40-10-R300	Half circle	300	100
WSB-10-40-RK300QS	WWB-10-40-10-R300	Quarter circle	300	100
WSB-10-40-RK500F ⁽⁵¹⁾	WWB-10-40-10-R500	Full circle	500	—
WSB-10-40-RK500HS	WWB-10-40-10-R500	Half circle	500	100
WSB-10-40-RK500QS	WWB-10-40-10-R500	Quarter circle	500	100

¹⁵¹⁾ The F version (full circle) has a transition of 2mm (± 0.2). Due to the bending process, material displacement tolerances, which can be up to several millimetres depending on the bend direction and radius, must be taken into account.

RK: Radius curved bending

S: Straight rail ends in the case of semicircle and quarter circle

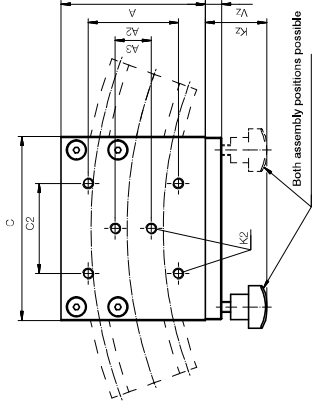


Order key

Type	Option	Option
drylin® W	Liner material iglidur® I3	Curved
	Pre-load	Standard
	Size	Floating bearing
		in y-direction

WI3UB P-01-10-LLZ

Order key



Options:

Blank: Standard
HKA: With manual clamp

Curved rail profiles

► Page 962



Dimensions [mm]

Part No.	Weight [g]	A	C	C2	K2	H2
WI3UBP-01-10	50	40	40	25	M6	28
WI3UBP-01-10-R300-LLZ	44	40	40	25	M6	28
WI3UBP-01-10-R500-LLZ	44	40	40	25	M6	28
WI3UBP-01-10-LLZ	44	40	40	25	M6	28

Can be combined with:



WSB-...

1000 Online tools and more information ► www.igus-asean.com/drylinW



Order key

Type	Size	Option
WWB-10-40-10-P-HKA	Profile width [mm]	With manual clamp
	Carriage length [mm]	With spring pre-load
	Shaft Ø	

Guide carriage
for curved rails

Options:

Blank: Standard
HKA: With manual clamp

Curved rail profiles

► Page 962



Technical data and dimensions [mm]

Part No. ⁶⁴⁾	Weight [kg]	A	C	A2	A3	C2	K2	H2	Vz	Kz
	±0.25	-0.1								
WWB-06-30-06	0.31	58	60	30	16	30	M4	20	9	34
WWB-06-30-06-P	0.31	58	60	30	16	30	M4	20	7.5	29
WWB-06-30-06-R300 ¹⁴³⁾ -P	0.31	58	60	30	16	30	M4	20	7.5	29
WWB-10-40-10	0.35	80	102	50	20	50	M6	28	9	34
WWB-10-40-10-P	0.35	80	102	50	20	50	M6	28	9	34
WWB-10-40-10-R300 ¹⁴³⁾ -P	0.35	80	102	50	20	50	M6	28	9	34

⁶⁴⁾ Optional with manual clamp, suffix "-HKA"

¹⁴³⁾ Optional for 500mm radius = R500

Can be combined with:



WSB-... ES-FG WSB-...

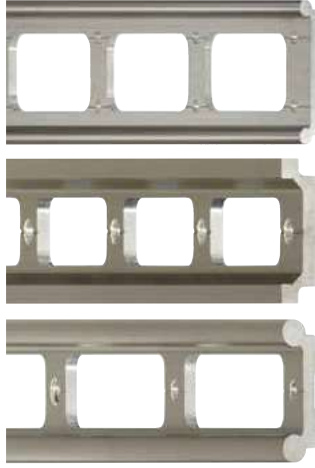
More information

► www.igus-asean.com/curved

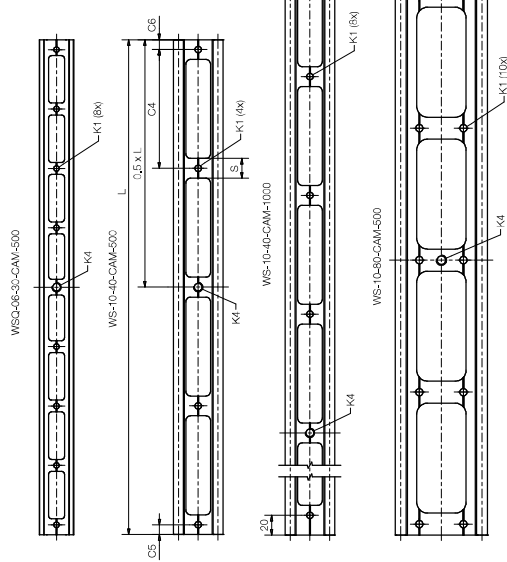
3D CAD files, prices and delivery time online ► www.igus-asean.com/drylinW 1001

drylin® W profile guides | Product range

Double rails, reduced weight, hard-anodised aluminium



- 30% weight reduction through machined recesses
- Suitable pillow blocks and carriages made from plastic, aluminium, zinc die-casting or stainless steel



drylin® W guide rails – dimensions [mm]

Part No.	Identical profile	L	C4	C5	C6	S	K1 for screw	K4	Weight [g]
WSQ-06-30-CAM-500	WSQ-06-30	500	60	10	10	12	M5	3/8" 16-UNC ⁶³⁾	159
WS-10-40-CAM-500	WS-10-40	500	120	10	10	20	M6	3/8" 16-UNC ⁶³⁾	353
WS-10-40-CAM-1000	WS-10-40	1,000	120	20	20	20	M6	3/8" 16-UNC ⁶³⁾	706
WS-10-80-CAM-500	WS-10-80	500	120	10	10	20	M6	3/8" 16-UNC ⁶³⁾	482

⁶³⁾ UNC = Unified National Coarse, Anglo-American. Screw thread standard



Application example:
camera slider with standard rail
and carriage
► www.igus-asean.com/camera

drylin® W profile guides | Product range

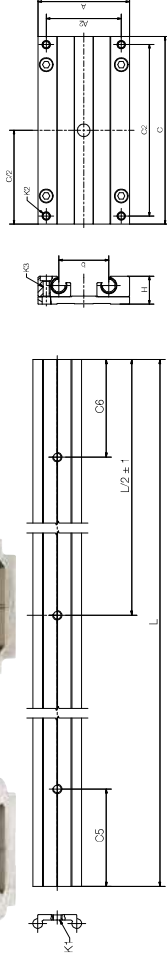
Double rails/carriages for camera slider



- Wear-resistant, smooth and quiet motion
- Adjustable brake level due to the turn-to-fit function
- Easy and fast assembly
- Further dimensions such as standard WS rails
► [Page 992](#)

Technical options:

- Adjustable bearing housing ► [Page 982](#)
- Manual clamp ► [Page 1020](#)



drylin® W special rails with 3 holes, 3/8" thread

Dimensions [mm]

Part No.	Size	L	C5	C6	Weight [kg/m]
WSQ-06-30-SL-1000	06	1,000	100	100	0.45
WSQ-06-30-SL-1500	06	1,500	100	100	0.45
WS-10-30-SL-1000	10	1,000	100	100	0.85
WS-10-30-SL-1500	10	1,500	100	100	0.85
WS-10-40-SL-1500	10	1,500	100	100	1.00
WS-10-80-SL-1000	10	1,000	100	100	1.50
WS-10-80-SL-1500	10	1,500	100	100	1.50
WS-16-60-SL-1000	16	1,000	100	100	1.96
WS-16-60-SL-1500	16	1,500	100	100	1.96
WS-20-80-SL-1000	20	1,000	100	100	3.30
WS-20-80-SL-1500	20	1,500	100	100	3.30

drylin® W complete carriage with Ø 10mm through hole for 3/8" thread

Dimensions [mm]

Part No.	Size	C	A	Part No.	Size	C	A
WW-06-30-06-SL	06	60	54	WW-10-80-15-SL ⁶⁴⁾	10	150	107
WW-06-30-08-SL	06	80	54	WW-10-80-20-SL ⁶⁴⁾	10	200	107
WW-06-30-10-SL	06	100	54	WW-16-60-10-SL ⁶⁵⁾	16	100	104
WW-10-30-10-SL ⁶⁴⁾	10	100	63	WW-16-60-15-SL ⁶⁴⁾	16	150	104
WW-10-30-15-SL ⁶⁴⁾	10	150	63	WW-16-60-20-SL ⁶⁴⁾	16	200	104
WW-10-40-10-SL ⁶⁴⁾	10	100	73	WW-20-80-15-SL ⁶⁴⁾	20	150	134
WW-10-40-15-SL ⁶⁴⁾	10	150	73	WW-20-80-20-SL ⁶⁴⁾	20	200	134
WW-10-40-20-SL ⁶⁴⁾	10	200	73	WW-20-80-25-SL ⁶⁴⁾	20	250	134
WW-10-80-10-SL ⁶⁴⁾	10	100	107				

⁶⁴⁾ Optional with manual clamp, suffix "-HKA"

⁶⁵⁾ Optional with adjustable "Turn-To-Fit" bearing (Order example: WWE-...)



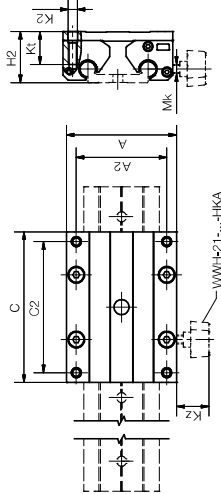
Ø 10mm
through hole for
3/8" thread for
cameras



Order key

Type	Dimensions	Design
drylin® W	WWH-21-10-40-10-SL	Slider carriage
Hybrid carriage		Carriage length [mm]
Double roller bearing		Installation size

Optional with manual clamp,
suffix "-HKA"



Technical data and dimensions [mm]

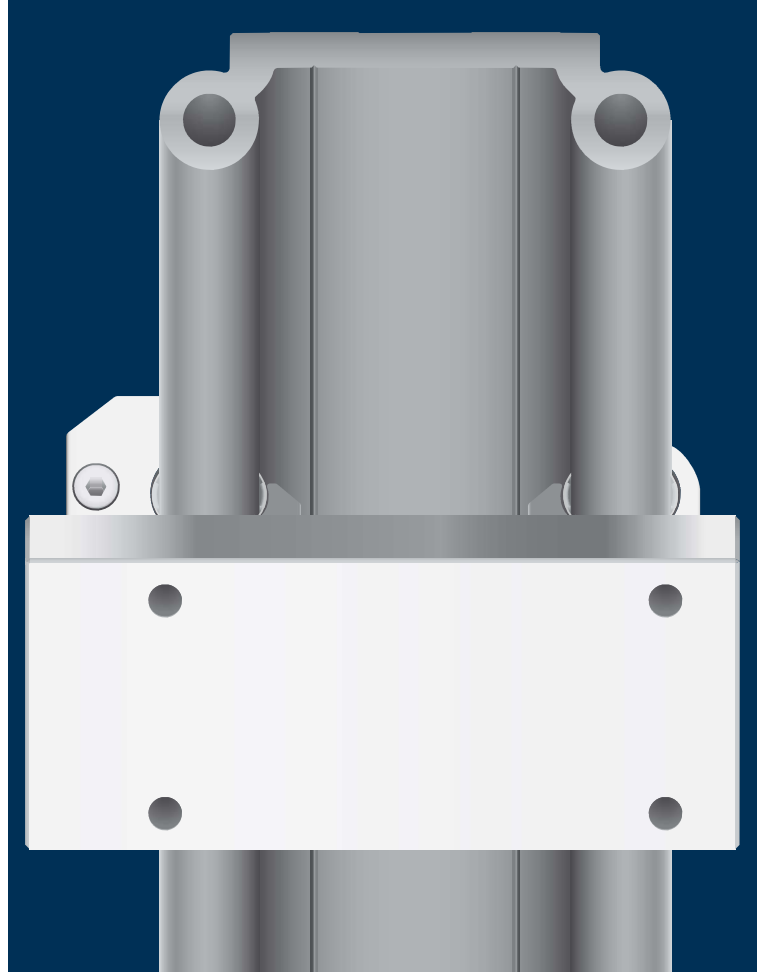
Part No.	Weight [kg]	A	C	A2	C2	K2	Kt	H2	Static load capacity Coy [N]
WWH-21-10-40-10-SL	0.59	73	100	60	87	M6	21	34	1,400
WWH-21-10-40-15-SL	0.64	73	150	60	137	M6	21	34	1,400
WWH-21-10-40-20-SL	0.70	73	200	60	187	M6	21	34	1,400
WWH-21-10-80-10-SL	0.64	107	100	94	87	M6	21	34	1,400
WWH-21-10-80-15-SL	0.72	107	150	94	137	M6	21	34	1,400
WWH-21-10-80-20-SL	0.80	107	200	94	187	M6	21	34	1,400
WWH-21-16-60-10-SL	1.31	104	100	86	82	M8	29	49	2,400
WWH-21-16-60-15-SL	1.44	104	150	86	132	M8	29	49	2,400
WWH-21-16-60-20-SL	1.57	104	200	86	182	M8	29	49	2,400
WWH-21-20-80-15-SL	1.72	134	150	116	132	M8	24	57	3,360
WWH-21-20-80-20-SL	1.82	134	200	116	182	M8	24	57	3,360
WWH-21-20-80-25-SL	2.02	134	250	116	232	M8	24	57	3,360

Can be combined with:



Can be combined with camera slider rails

► Page 1002



drylin® linear technology – drylin® W hybrid roller bearings



Lubrication-free roll and slide

Low drive force

For manual adjustment

Suitable for radial loads

Single bearings and complete carriages

drylin® W rail made from hard-anodised aluminium

Housing made of robust zinc die-casting or durable stainless steel

Lubrication-free and quiet operation

Compact aluminium carriage with assembled drylin® W hybrid roller bearing

Liners made from iglidur® high-performance polymers

Can be combined with drylin® W linear profile rails

Easy to move thanks to the combination of rolling and sliding

Single and double rails

Combined sliding and rolling for low driving forces

drylin® hybrid roller bearings offer an unique lubrication-free combination of plain and roller bearings. The integrated rollers achieve low driving forces, while the sliding effect simultaneously protect against radial loads. This makes drylin® hybrid roller bearings ideal for manual adjustments in door applications (e.g. machine doors, safety doors), but also in mobile control panels. The efficient design using plastics with zinc die-casting also cuts costs. Hybrid bearings can be used on various hard-anodised aluminium profiles from the drylin® W linear construction kit.

- Smooth operation
- Low-profile
- Offset and abuse forces are easily absorbed by sliding elements
- Location on rail ensures reliability
- Matching guide rails made from hard-anodised aluminium
- Low driving force required
- Cost-effective

Typical application areas

- Machine doors
- Safety doors
- Operator panels



Available from stock

Detailed information about delivery time online.



Price breaks online

No minimum order value. No minimum order quantity.



Service life calculation

► www.igus-asean.com/drylin-expert



Tightening torque for drylin® metallic screws

► Page 963

Slide and roll



Hybrid roller bearing rail

- Ideal for flat structures
- Geometry optimised for hybrid roller bearings
- Low profile design with wide support

► Page 1010



Hybrid roller bearing for WSR roller bearing rail

- Suitable for WAS hybrid roller bearing rail
- Hybrid roller bearing with double rollers for better force absorption
- Hybrid roller bearings with single rollers as support

► Page 1011



Hybrid roller bearings with single roller

- Lubrication-free due to bearing supported plastic roller
- Low displacement force
- Can be combined with drylin® W single and double rails

► Page 1012



Hybrid roller bearings with double rollers

- Low coefficient of rolling friction is still maintained with deviating load directions
- Increased load capacity
- Variable bearing removed, but the housing is now available in corrosion-resistant stainless steel as well.

► Page 1013



Complete carriages WWH

- Complete carriage for lateral adjustments
- Guidance via a double rail without support
- Also available as a short, compact carriage for variable multi-carriage solution

► Page 1015

Complete carriages WWH

- Complete carriage with 4 integrated hybrid roller bearings
- For horizontal installation
- Variable carriage lengths and widths

► Page 1016



Suitable rail profiles
► From page 978



Camera slider
► From page 1003



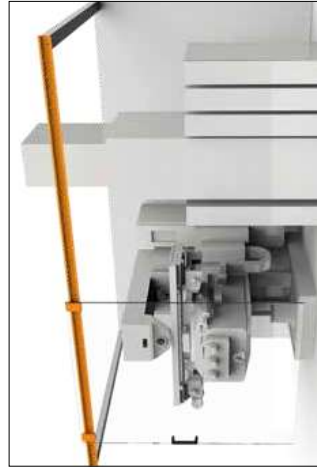
The smooth, quiet operation and the enormous cost advantages are obtained by the use of the drylin® linear bearings on the hard-anodised guide shaft to guide the doors of machine tools.



Adjustment control panel unit



Camera stand with drylin® W hybrid roller bearings for far smoother running. Vertical movements are now also possible.



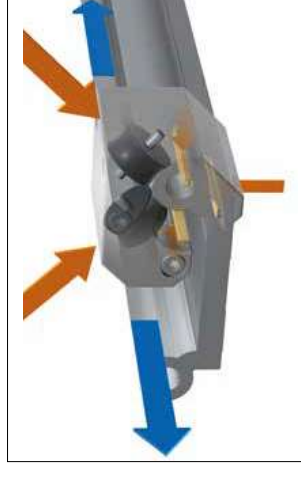
The new drylin® W hybrid carriage with "door opener" function.



drylin® W hybrid roller bearings in combination with drylin® W profile guides offer optimum opportunities to construct dollies and sliders.

drylin® W hybrid roller bearings type 21

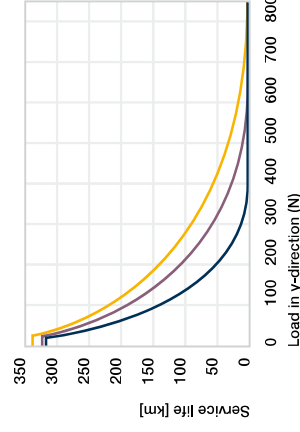
The drylin® W hybrid roller bearings in the WJRM-21-... type series are each equipped with two bearing-supported plastic rollers at an angle of 70° or 80°. Available in three installation sizes, they can be combined with drylin® W single and double rails. The double roller bearings offer a higher load capacity than with a vertical bearing load on the installation area (y-direction). The low coefficient of rolling friction is still maintained with load directions that slightly deviate from this.



Hybrid double roller bearing applicable force absorption



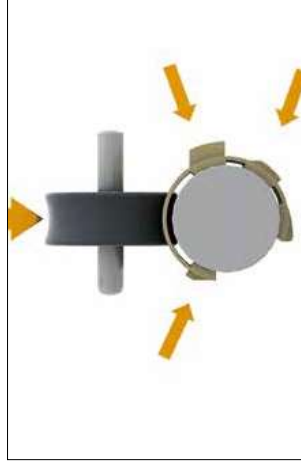
Installation position WJRM-21-...



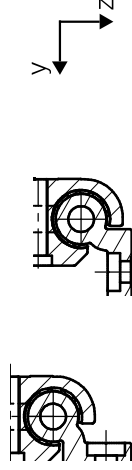
■ WJRM-21-10 ■ WJRM-21-16 ■ WJRM-21-20

drylin® W hybrid roller bearings type 01

The drylin® W hybrid roller bearings from the WJRM-01-... type series are each equipped with a bearing-supported plastic roller. The bearing housing is available in three installation sizes and can be used with drylin® W single or double shaft rails in two installation positions. The hybrid roller bearing should be installed so that the load capacity is applied in the roll direction. Different load directions are possible but causes higher displacement forces.

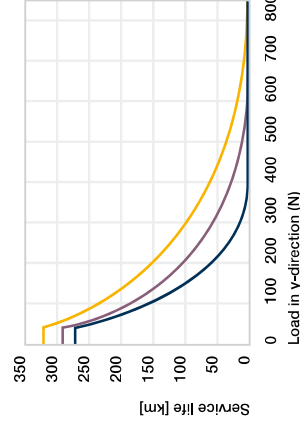


Forces absorbed by hybrid roller bearing



Installation position 01
Installation position 02

Installation position WJRM-01-...

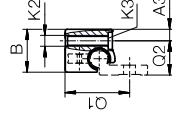


■ WJRM-01-10 ■ WJRM-01-16 ■ WJRM-01-20



WJRM-31-10

[4]



Part No.	Static load capacity	Dyn. load capacity Cz+ at total running distance [km]			Coefficient of friction in z-direction	F · v	Weight
		Co					
		Co	10	100			
		[N]	[N]	[N]	[N]	[μ]	[g]
							Max.
							[N · m/s]
WJRM-31-10	New	250	250	90	50	< 0.1	50
WJRM-41-10	New	250	250	90	50	< 0.1	50
							91
							97

Part No.	A3	B	B2	C1	C3	H	G1	K2 for thread	K3 for screw	Q1	Q2	kt
WJRM-31-10	New	6.5	24	—	35	22	28	27	M5	36	19	16
WJRM-41-10	New	6.5	25	2.5	35	22	30	30	M6	—	—	—

Can be combined with:





Order key

Type	Size
------	------

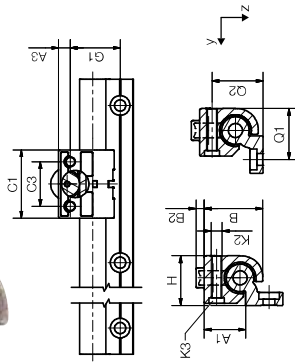
WJRM-01-10

Hybrid roller bearing	Single roller bearing	Size 10
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Options:
Blank: Bearing supported plastic roller
BB: Ball bearing supported plastic roller

Suitable mounting plate
► Page 1018

Installation position 02 in installation size Ø 10 when using a WJRM-02-10 hybrid roller bearing



Installation position 01

Installation position 02

Technical data and dimensions [mm]

Part No.	Static load capacity Co		Dyn. load capacity C _{y+} at total running distance [km]		F · v Max.		Weight	
	[N]	[N]	[N]	[N]	[N · m/s]	[g]		
WJRM-01-10 ⁷⁾	250	250	90	50	50	46		
WJRM-01-10-BB ⁷⁾	New	250	90	50	100	46		
WJRM-01-16	400	400	140	70	80	131		
WJRM-01-16-BB	New	400	140	70	160	131		
WJRM-01-20	550	550	200	100	80	232		
WJRM-01-20-BB	New	550	200	100	160	232		

Part No.	Coefficient of friction in z-direction [μ]		A1	A3	B	B2	C1	C3	G1	H	K2 for thread	K3 for screw	Q1	Q2
----------	---	--	----	----	---	----	----	----	----	---	---------------	--------------	----	----

WJRM-01-10 ⁷⁾	< 0.10	16.5	6.5	26.0	2.5	35	22	27	18	M6	M5	–	–	
WJRM-01-10-BB ⁷⁾	New	< 0.03	16.5	6.5	26.0	2.5	35	22	27	18	M6	M5	–	
WJRM-01-16	< 0.10	25.0	9.0	34.5	5.0	48	30	33	27	M8	M6	32	28	
WJRM-01-16-BB	New	< 0.03	25.0	9.0	34.5	5.0	48	30	33	27	M8	M6	32	28
WJRM-01-20	< 0.10	30.0	9.0	42.5	6.0	52	34	38	36	M8	M6	37	37	
WJRM-01-20-BB	New	< 0.03	30.0	9.0	42.5	6.0	52	34	38	36	M8	M6	37	37

⁷⁾ Deviating from WJRM-02-10, available with an expanded opening angle for installation position 02

Can be combined with:



Order key

Type	Size
------	------

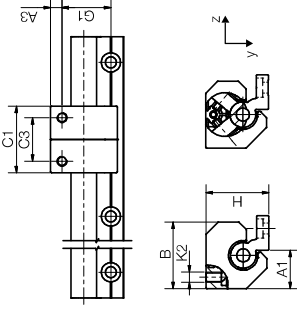
WJRM-21-10

Hybrid roller bearing	Double roller bearing	Size 10
-----------------------	-----------------------	---------

Options:
Blank: Bearing supported plastic roller
BB: Ball bearing supported plastic roller

Suitable mounting plate
► Page 1018

Optional with manual clamp, suffix "-HKA"



Technical data and dimensions [mm]

Part No.	Static load capacity Co		Dyn. load capacity C _{z+} at total running distance [km]		F · v Max.		Weight	
	[N]	[N]	[N]	[N]	[N · m/s]	[g]		
WJRM-21-10	350	350	125	70	50	115		
WJRM-21-10-BB	New	350	125	70	100	115		
WJRM-21-16	600	600	210	105	80	250		
WJRM-21-16-BB	New	600	210	105	160	250		
WJRM-21-20	840	840	300	150	80	320		
WJRM-21-20-BB	New	840	300	150	160	320		

Part No.	Coefficient of friction in y-direction [μ]		A1	A3	B	C1	C3	G1	H	K2 for screw
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WJRM-21-10	< 0.10	16.5	6.5	31	35	22	27	28	M6
WJRM-21-10-BB	New	< 0.03	16.5	6.5	31	35	22	27	M6
WJRM-21-16	< 0.10	25.0	9.0	44	48	30	33	41	M8
WJRM-21-16-BB	New	< 0.03	25.0	9.0	44	48	30	33	41
WJRM-21-20	< 0.10	30.0	9.0	52	52	34	38	49	M8
WJRM-21-20-BB	New	< 0.03	30.0	9.0	52	52	34	38	49

WJRM-21-10 and WJRM-21-16: 70° angle between the rollers / WJRM-21-20: 80° angle between the rollers

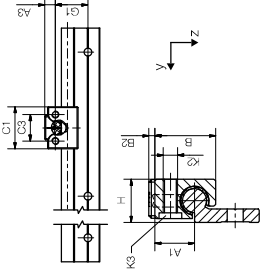
Can be combined with:



drylin® W hybrid roller bearings | Product range

Hybrid roller bearing made from stainless steel

WJRM-01 with single roller



Order key

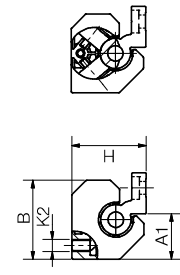
Type	Size	Material
WJRM-01-10 - ES	Size 10	Stainless steel
Hybrid roller bearing		Material ES: Stainless steel (AISI 316Ti) ES-FG: Stainless steel precision casting AISI 316 AL: Aluminium

Technical data and dimensions [mm]

Part No.	Static load capacity	Dyn. load capacity Cz+ at total running distance [km]	F · v
	Co [N]	10 [N]	Max. [N · m/s]
WJRM-01-10-ES-FG	250	90	50
WJRM-01-10-AL	250	90	50

Part No.	Coefficient of friction in z-direction [μ]	Weight [g]	A1	A3	B	B2	C1	C3	G1	H	K2	K3 for screw
WJRM-01-10-ES-FG	< 0.1	57	16.5	6.5	26	2.5	35	22	27	18	M6	M5
WJRM-01-10-AL	< 0.1	18	16.5	6.5	26	2.5	35	22	27	18	M6	M5

WJRM-21 with double roller



Order key

Type	Size	Material
WJRM-21-20 - ES	Size 20	Stainless steel
Hybrid roller bearing		Material ES: Stainless steel (AISI 316Ti) ES-FG: Stainless steel precision casting AISI 316

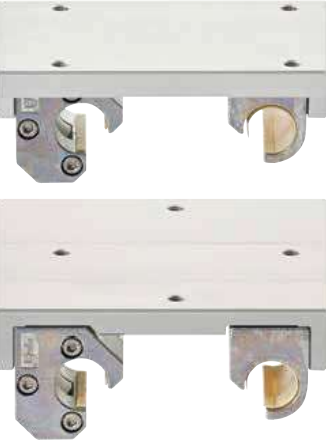
Technical data and dimensions [mm]

Part No.	Static load capacity	Dyn. load capacity Cz+ at total running distance [km]	F · v
	Co [N]	10 [N]	Max. [N · m/s]
WJRM-21-20-ES-FG	840	300	80

Part No.	Coefficient of friction in z-direction		Weight	A1	A3	B	C1	C3	G1	H	K2	K3 for screw
	μ	μ	[g]									
WJRM-21-20-ES-FG	—	< 0.1	504	30	9	52	52	34	38	49	M8	M5

drylin® W hybrid roller bearings | Product range

Hybrid carriages for lateral installation

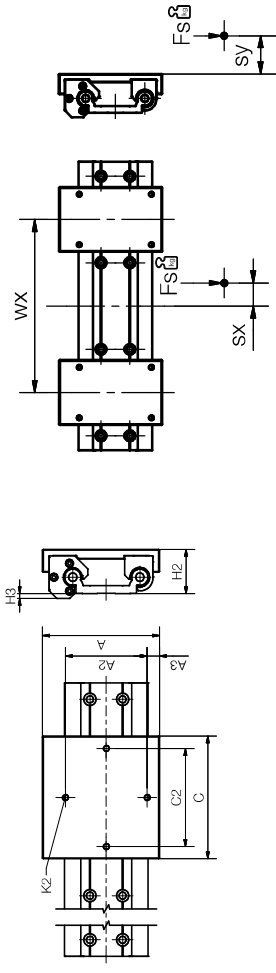


Order key

Type	Size	Option
WWR-21-80 - 01		Compact
Hybrid carriage		Installation size
Double roller bearing		

Options:

- 01: Carriage, short design
- 15: Carriage, long design



Technical data and dimensions [mm]

Part No.	A	C	A2	A3	H3	H2	K2	C2	C	Width Length	sx min.	sx max.	sy min.	sy max.
WWR-21-80-01	143	90	100	15	6	54	M8	70	100	143	-49	+49	-34	+34
WWR-21-80-15	143	150	100	15	6	54	M8	120	100	143	-wx/2	+wx/2	-34	+34

Order example:

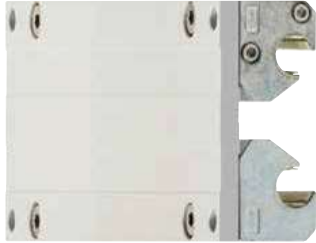
WWR-21-80-01 = Assembled single hybrid carriage as a "door opener" with two single roller hybrid bearings and two double roller hybrid bearings

Can be combined with:





Order key



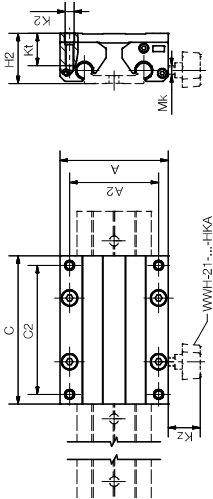
Type	Dimensions
------	------------

WWH-21-10-40-10

drylin® W	Hybrid carriage	Double roller bearing	Installation size	Carriage length [mm]
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Optional with manual clamp,
suffix "-HKA"



Technical data and dimensions [mm]

Part No.	Weight	Width			A2	C2	K2	Kt	H2	Static load capacity	
	[kg]	A	C	Length						Coy	[N]
WWH-21-10-40-10	0.59	73	100	60	87	M6	21	34		1,400	
WWH-21-10-40-15	0.64	73	150	60	137	M6	21	34		1,400	
WWH-21-10-40-20	0.70	73	200	60	187	M6	21	34		1,400	
WWH-21-10-80-10	0.64	107	100	94	87	M6	21	34		1,400	
WWH-21-10-80-15	0.72	107	150	94	137	M6	21	34		1,400	
WWH-21-10-80-20	0.80	107	200	94	187	M6	21	34		1,400	
WWH-21-10-120-10	0.71	153	100	140	87	M6	21	34		1,400	
WWH-21-10-120-15	0.84	153	150	140	137	M6	21	34		1,400	
WWH-21-10-120-20	0.96	153	200	140	187	M6	21	34		1,400	
WWH-21-16-60-10	1.31	104	100	86	82	M8	29	49		2,400	
WWH-21-16-60-15	1.44	104	150	86	132	M8	29	49		2,400	
WWH-21-16-60-20	1.57	104	200	86	182	M8	29	49		2,400	
WWH-21-20-80-15	1.72	134	150	116	132	M8	24	57		3,360	
WWH-21-20-80-20	1.82	134	200	116	182	M8	24	57		3,360	
WWH-21-20-80-25	2.02	134	250	116	232	M8	24	57		3,360	

Can be combined with:



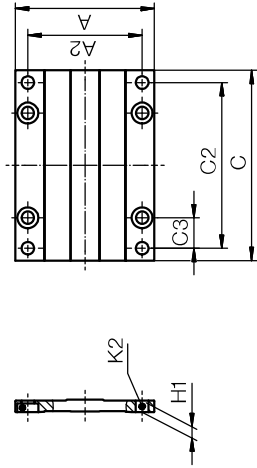
Can be combined with:





With four pillow blocks and the mounting plate, a linear carriage can be installed in less than a minute. Mounting plates are available in 3 lengths in each installation size and width.

- Robust corrosion-resistant anodised aluminium
- A variety of combinations of liners/bearings/slide plates are possible, also with manual clamp
- Required combination bearing and mounting plate also available pre-assembled



Modular system:
Can be combined with the complete drylin® linear bearing product range. 4 screws included in delivery.

Technical data and dimensions [mm]

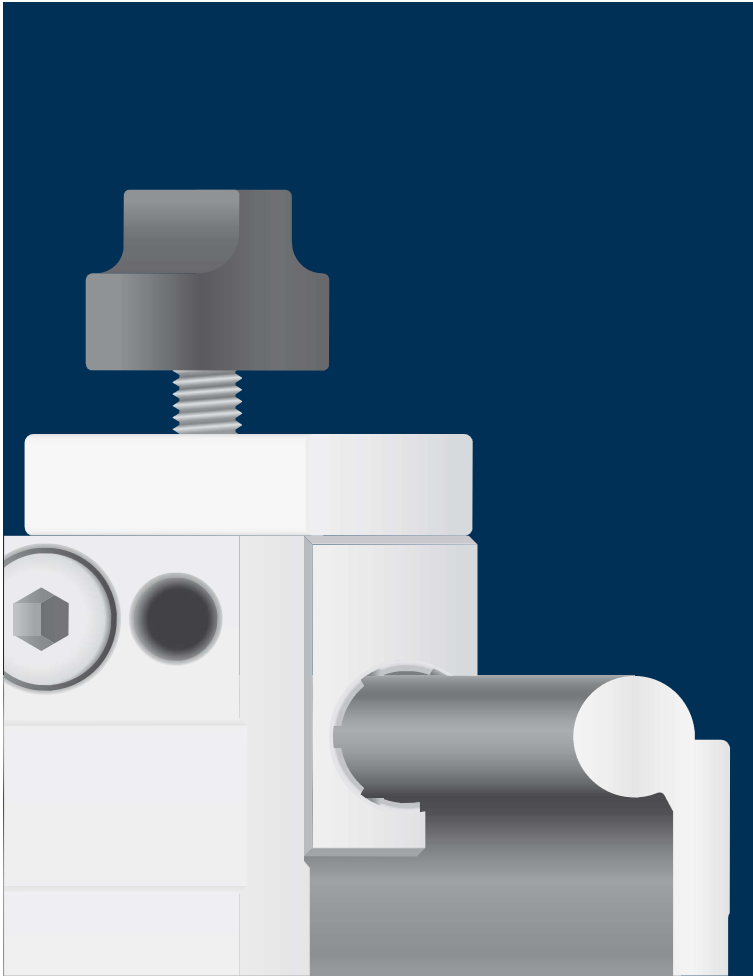
Part No.	C	A	H1	A2	K2	Mounting screws included
WWYR-10-30-08-AL	New 80	63	6.5	50	M6	M6
WWYR-10-30-10-AL	New 100	63	6.5	50	M6	M6
WWYR-10-30-15-AL	New 150	63	6.5	50	M6	M6
WWYR-10-40-10-AL	New 100	73	6.5	60	M6	M6
WWYR-10-40-15-AL	New 150	73	6.5	60	M6	M6
WWYR-10-40-20-AL	New 200	73	6.5	60	M6	M6
WWYR-10-80-10-AL	New 100	107	6.5	94	M6	M6
WWYR-10-80-15-AL	New 150	107	6.5	94	M6	M6
WWYR-10-80-20-AL	New 200	107	6.5	94	M6	M6
WWYR-10-120-10-AL	New 100	153	6.5	140	M6	M6
WWYR-10-120-15-AL	New 150	153	6.5	140	M6	M6
WWYR-10-120-20-AL	New 200	153	6.5	140	M6	M6
WWYR-16-60-10-AL	New 100	104	8.5	86	M8	M8
WWYR-16-60-15-AL	New 150	104	8.5	86	M8	M8
WWYR-16-60-20-AL	New 200	104	8.5	86	M8	M8
WWYR-20-80-15-AL	New 150	134	8.5	116	M8	M8
WWYR-20-80-20-AL	New 200	134	8.5	116	M8	M8
WWYR-20-80-25-AL	New 250	134	8.5	116	M8	M8

Suitable for rails ▶ Page 992, 993, 1010

Suitable for bearings ▶ Page 1011, 1012, 1013, 1014



Available
from stock



drylin® linear technology – Accessories

Manual clamps



Liners

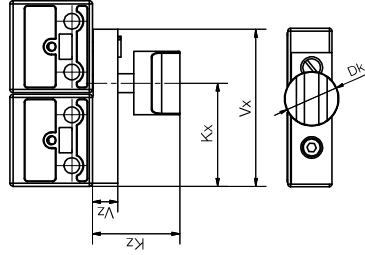
End caps

Slot nuts

Clamps

drylin® W profile guides | Product range

Accessories: Manual clamp for simple positioning



Technical data and dimensions [mm]

Part No.	Mk	Vx	Kx	Vz	Kz	Dk	Min. holding force ⁶⁷⁾	Min. tightening torque
WHKA-10 ⁶⁸⁾	M6	50	33	8	28	20	30N	0,8Nm
WHKA-16 ⁶⁸⁾	M8	72	41	10	31	28	60N	1,5Nm
WHKA-20 ⁶⁸⁾	M8	90	62	10	31	28	70N	1,5Nm
WHKA-25 ⁶⁸⁾	M8	96	65	12	31	28	70N	1,5Nm

⁶⁷⁾ Condition: dry rail surface

⁶⁸⁾ The manual clamp is also available assembled as a complete carriage (suffix "-HKA", order example: WW-10-40-10-HKA). Dimensions complete carriage WWQ ▶ Page 995

Accessories: Aluminium manual clamp



Technical data and dimensions [mm]

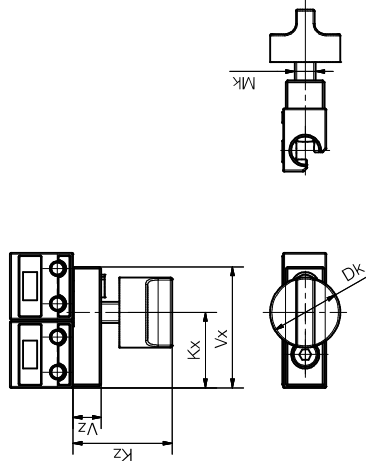
Part No.	Mk	Vx	Kx	Vz	Kz	Dk	Min. holding force ⁶⁷⁾	Min. tightening torque
WHKA-10-AL ⁶⁸⁾	M6	50	33	8	28	20	30N	0,8Nm
WHKA-16-AL ⁶⁸⁾	M8	72	41	10	31	28	60N	1,5Nm
WHKA-20-AL ⁶⁸⁾	M8	90	62	10	31	28	70N	1,5Nm
WHKA-25-AL ⁶⁸⁾	M8	96	65	12	31	28	70N	1,5Nm

⁶⁷⁾ Condition: dry rail surface

⁶⁸⁾ The manual clamp is also available assembled as a complete carriage (suffix "-AL-HKA", order example: WW-10-40-10-HKA). Dimensions complete carriage WWQ ▶ Page 995

drylin® W profile guides | Product range

Accessories: Manual clamp for square rails



Technical data and dimensions [mm]

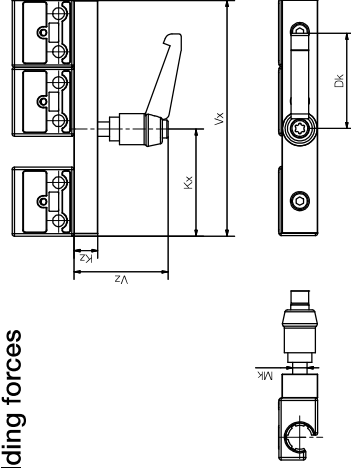
Part No.	Mk	Vx	Kx	Vz	Kz	Dk	Min. holding force ⁶⁷⁾	Min. tightening torque
WHKAQ-06 ¹³⁷⁾	M6	34,5	21,5	8	28	20	30N	0,8Nm
WHKAQ-10 ¹³⁷⁾	M6	50	33	8	28	20	30N	0,8Nm
WHKAQ-16 ¹³⁷⁾	M8	72	41	10	31	28	60N	1,5Nm
WHKAQ-20 ¹³⁷⁾	M8	90	62	10	31	28	70N	1,5Nm

⁶⁷⁾ Condition: dry rail surface

¹³⁷⁾ Aluminium version available, suffix "-AL"

¹³⁷⁾ The manual clamp is also available assembled as a complete carriage (suffix "-HKAQ", order example: WW-06-30-06-HKAQ). Dimensions complete carriage WWQ ▶ Page 990

Accessories: Manual clamp for higher holding forces



Technical data and dimensions [mm]

Part No.	Mk	Vx	Kx	Vz	Kz	Dk	Min. holding force ⁶⁷⁾	Min. tightening torque
WHKD-1010 ⁶⁹⁾	M6	100	45	40	10	40	70N	2,5Nm
WHKD-1015 ⁶⁹⁾	M6	150	95	40	10	40	70N	2,5Nm
WHKD-1615 ⁶⁹⁾	M8	150	81	40	12	40	90N	3,5Nm
WHKD-1620 ⁶⁹⁾	M8	200	131	40	12	40	90N	3,5Nm
WHKD-2015 ⁶⁹⁾	M8	150	63	40	12	40	90N	3,5Nm
WHKD-2020 ⁶⁹⁾	M8	200	113	40	12	40	90N	3,5Nm

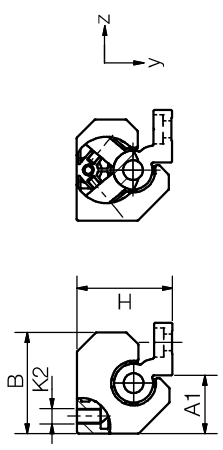
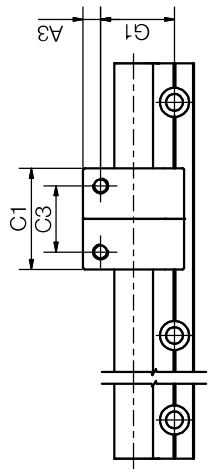
⁶⁷⁾ Condition: dry rail surface

⁶⁹⁾ The manual clamp is also available assembled as a complete carriage (suffix "-HKD", order example: WW-10-40-10-HKD). Dimensions complete carriage WWQ ▶ Page 995



Order key

Type	Size	Material
WJRM-21-10 - HKA		
Hybrid roller bearing	Size 10	Material ES: Stainless steel (AISI 316Ti) ES-FG: Stainless steel precision casting AISI 316 AL: Aluminium
Double roller bearing		Stainless steel



Technical data and dimensions [mm]

Part No.	Weight	A1	A3	B	C1	C3	G1	H	K2 for screw	Kz
	[g]									Max.
WJRM-21-10-HKA	115	16,5	6,5	31	35	22	27	28	M6	25
WJRM-21-16-HKA	250	25	9	44	48	30	32	41	M8	25
WJRM-21-20-HKA	320	30	9	52	52	34	38	49	M8	25

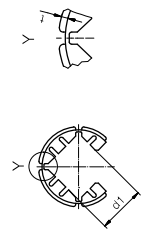
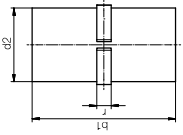
drylin® W plastic liners – long, open design



Size	Material	Pillow blocks	Liners Part No.	in the drylin® R-Chapter
10/16/20/25 (standard)	igidur® J200	WJ200UM-01-Ø	J200UMO-01-Ø ⁷⁰⁾	► Page 1086
10/16/20/25	igidur® J	WJUM-01-Ø	JUMO-01-Ø	► Page 1080
10/16/20/25 (high temperature)	igidur® X	WXUM-01-Ø	XUMO-01-Ø	► Page 1091
10/16/20/25	igidur® E7	WE7UM-01-Ø	E7UMO-01-Ø	► Page 1088

⁷⁰⁾ Available also as floating bearing, Part No. J200UMO-01-Ø-LL

drylin® W liners – long design, square

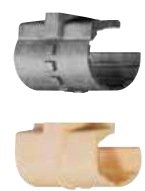


Dimensions [mm]

Part No.	d1	d1 tolerance	d2	b1	r	t
J200QM-01-06	5,0	+0,020 +0,080	8	19	3,0	0,5
J200QM-01-10	7,5	+0,020 +0,080	12	28	3,0	0,8
J200QM-01-16	11,5	+0,020 +0,080	18	35	3,0	0,8
J200QM-01-20	15,0	+0,020 +0,080	23	44	3,5	0,8

Available also as floating bearing J200QM-01-Ø-LLZ (z-direction), J200QM-01-Ø-LLY (y-direction)

drylin® W plastic liners – adjustable



Size	Material	Pillow blocks	Liners Part No.
10 (adjustable)	igidur® J	WJUME-01-10	JUME-01-10
16/20 (adjustable)	igidur® J200	WJ200UME-01-Ø	J200UME-01-Ø

drylin® W plastic liners



Size	Material	Pillow blocks	Liners Part No.
10	iglidur® J200	WJ200UMA-01-10-AL	J200UMA-01-10
16	iglidur® J200	WJ200UMA-01-16-AL	J200UMA-01-16 New
20	iglidur® J200	WJ200UMA-01-20-AL	J200UMA-01-20 New

Replacement kit for WJ200UMA-01-10-AL pillow block



- Consisting of
- 4 liners
 - 4 housing end caps
 - Assembly tool



Part No.:
WEKA-01-10~J200
WEKA-01-16~J200 New
WEKA-01-20~J200 New

- For drylin® W high profile rails WSX
- **Page 993**
- 4 installation sizes
- Protection of the hollow chambers against the entry of foreign particle
- Easy to fit, easy sideways
- End caps for cutting edges



Part No.:
WSX-063001-EC
WSX-104001-EC
WSX-108001-EC
WSX-166001-EC

Slot nuts for mounting



- Variable positionable
- Ideal for drylin® limit and reference switches
- Suitable for T-slots of the drylin® WSX high-profile rails
- **Page 987, 993**
- Secure retention
- Can be retrofitted

Part No.	Suitable for rail profile
NOR-20602	WSX-06-30
NOR-20602	WSX-10-40
NOR-20602	WSX-10-80
NOR-20602	AWMQ-12/20
NOR-20602	WSX-16-60
NOR-20605	WSX-16-60

Clamps for WSX high profile rails



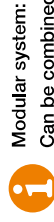
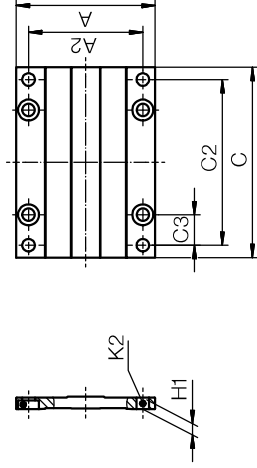
- Secure mounting
- Variable positionable
- For drylin® SAW linear modules and ZLW toothed belt axes
- For drylin® WSX high-profile rails
- **Page 987, 993**

Part No.	Suitable for toothed belt axis
ZTZ-063006	ZLW-0630
75.40 ZLW	ZLW-1040
75.40 ZLW	ZLW-1080
75.50 ZLW	ZLW-1660



With four pillow blocks and the mounting plate, a linear carriage can be installed in less than a minute. Mounting plates are available in 3 lengths in each installation size and width.

- Robust corrosion-resistant anodised aluminium
- A variety of combinations of liners/bearings/slide plates are possible, also with manual clamp
- Required combination bearing and mounting plate also available pre-assembled



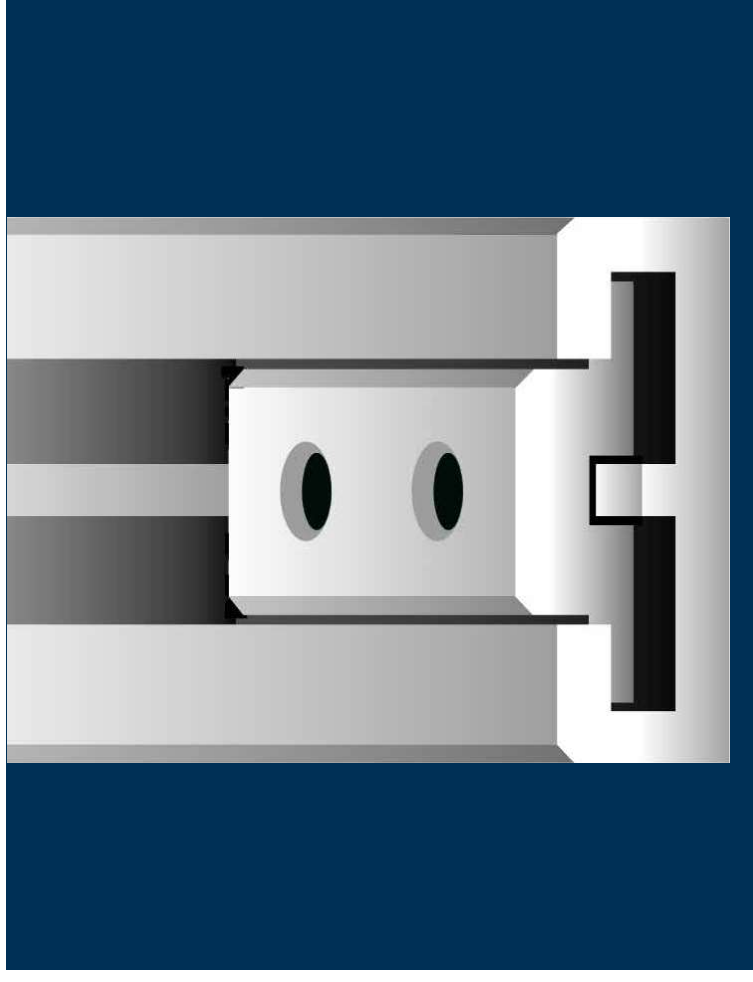
Modular system:
Can be combined with the complete drylin® linear bearing product range. 4 screws included in delivery.

Technical data and dimensions [mm]

Part No.	C	A	H1	A2	K2	Mounting screws included
WWY-06-30-06-AL New	60	54	4,0	45	M4	M4
WWY-06-30-08-AL New	80	54	4,0	45	M4	M4
WWY-06-30-10-AL New	100	54	4,0	45	M4	M4
WWY-06-60-06-AL New	60	85	4,0	76	M4	M4
WWY-06-60-08-AL New	80	85	4,0	76	M4	M4
WWY-06-60-10-AL New	100	85	4,0	76	M4	M4
WWY-10-30-08-AL New	80	63	6,5	50	M6	M6
WWY-10-30-10-AL New	100	63	6,5	50	M6	M6
WWY-10-30-15-AL New	150	63	6,5	50	M6	M6
WWY-10-40-10-AL New	100	73	6,5	60	M6	M6
WWY-10-40-15-AL New	150	73	6,5	60	M6	M6
WWY-10-40-20-AL New	200	73	6,5	60	M6	M6
WWY-10-80-10-AL New	100	107	6,5	94	M6	M6
WWY-10-80-15-AL New	150	107	6,5	94	M6	M6
WWY-10-80-20-AL New	200	107	6,5	94	M6	M6
WWY-10-120-10-AL New	100	153	6,5	140	M6	M6
WWY-10-120-15-AL New	150	153	6,5	140	M6	M6
WWY-10-120-20-AL New	200	153	6,5	140	M6	M6
WWY-16-60-10-AL New	100	104	8,5	86	M8	M8
WWY-16-60-15-AL New	150	104	8,5	86	M8	M8
WWY-16-60-20-AL New	200	104	8,5	86	M8	M8
WWY-20-80-15-AL New	150	134	8,5	116	M8	M8
WWY-20-80-20-AL New	200	134	8,5	116	M8	M8
WWY-20-80-25-AL New	250	134	8,5	116	M8	M8
WWY-25-120-15-AL New	150	195	10,0	173	M10	M10
WWY-25-120-20-AL New	200	195	10,0	173	M10	M10
WWY-25-120-25-AL New	250	195	10,0	173	M10	M10

Suitable for rails ► Page 986, 987, 988, 989, 992, 993

Suitable for bearings ► Page 976, 980, 982, 983, 984



drylin® linear technology – drylin® N low-profile linear guides

Low profile and lightweight

Lubrication-free **dry-tech®** sliding elements

Anodised aluminium rail

High speed and acceleration possible

Quiet operation

