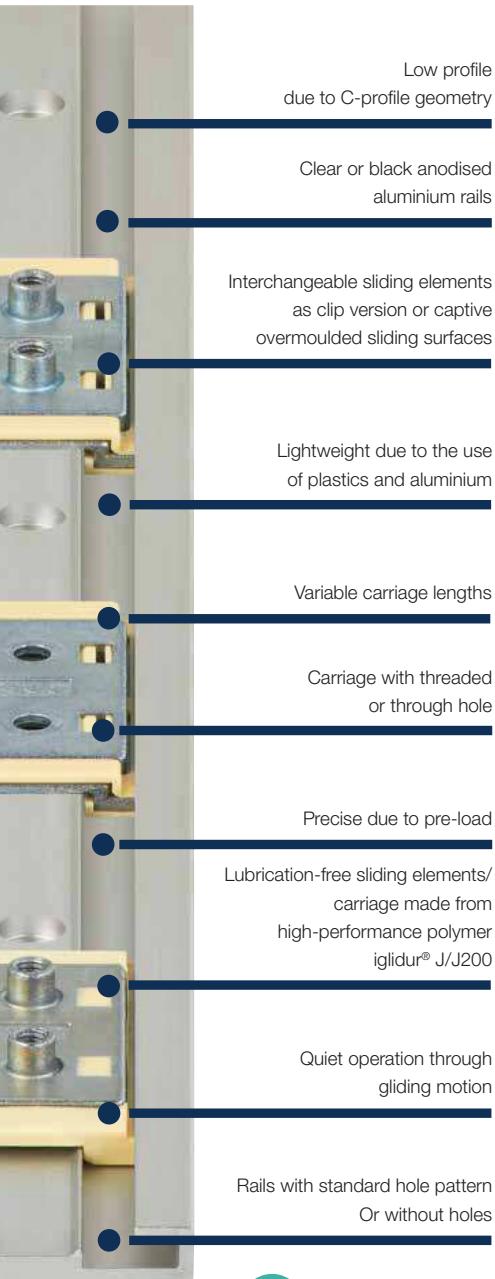


drylin® N low-profile linear guides | Advantages

Lightweight, maintenance-free, corrosion-resistant



Cleanroom certificated
IPA Fraunhofer



Free from toxins
2011/65/EU (RoHS)



ESD-compatible
(electrostatic discharge)

Lubrication-free low-profile linear guides – drylin® N

The low-profile range drylin® N offers extremely low profiles in several widths. Like all drylin® products the carriages run without lubrication in an anodised aluminium profile. The selected materials and the unique design make drylin® N a cost-effective and flexible guide system.

- Low profile between 6 and 12mm
- Lightweight
- Many carriage options – also with pre-load
- Maintenance-free dry operation
- Corrosion-free
- Low wear with low coefficient of friction
- Silver or black-anodised rails

Typical application areas

- Agricultural machinery
- Automotive
- Medical technology
- Facade construction
- Packaging industry



Available from stock
Detailed information about delivery time online.



Price breaks online
No minimum order value. No minimum order quantity.



Max. +90°C
(+50°C for overmoulded sliding elements)
Min. -40°C



17mm-80mm



Service life calculation
► www.igus-asean.com/drylin-expert

drylin® N low-profile linear guides | Product overview

Numerous options in four different widths for small installation heights



Guide rails

- Four installation sizes: 17, 27, 40 and 80mm
- Low profile, lightweight design
- Clear anodised (silver) or black anodised surfaces

► From page 1034



Guide carriage – installation size 17

- Solid plastic made from high-performance polymer iglidur® J
- Compact for the smallest installation spaces
- Length of carriage up to 40mm

► Page 1035



Guide carriage – installation size 27

- Carriage with changeable sliding elements
- Sliding carriages with captive overmoulded sliding elements
- Variable lengths and screw on options

► Page 1037



Guide carriage – installation size 40

- Carriage with thread pin or plain hole
- Pre-load version available

► Page 1039



Guide carriage – installation size 80

- Carriage with wide load-bearing surface
- Lubrication-free due to high-performance polymers iglidur® J/J200
- Low profile design due to threaded holes

► Page 1041



Telescopic system

- Continuous lengths up to 1,200mm (total extension)
- Available with partial, total or overextension
- With locking mechanism if required

► Page 1050



Pre-load prism slides

- Easy positioning of carriage
- Four pre-load classes
- Guaranteed drive force and holding force
- Extremely lightweight low-profile

► From page 1042



Based on drylin® N
drylin® SLN miniature linear module
► From page 1417

drylin® N low-profile linear guides | Design rules

Floating bearings version



NW-... NW-... LLZ NW-... LLY NW-... LLYZ

LLZ Floating bearing in z-direction

LLY Floating bearing in y-direction

LLZ Floating bearing in yz-direction

Floating bearing	NW-17	NW-27	NW-40	NW-80
LLY	0.6	0.45	0.4	0.6
LLZ	0.5	0.8	0.8	0.8
LLYZ	Y: 0.6 Z: 0.5	Y: 0.3 Z: 0.4	Y: 0.4 Z: 0.8	Y: 0.6 Z: 0.8

i Technical details on floating bearings ► Page 963
The 2:1 Rule ► Page 963

Technical options for drylin® low-profile linear guides

Clip-on sliding elements

Depending on the installation size, up to three lubrication-free sliding elements made from the high-performance polymer iglidur® J are clipped on around the zinc die-casting carriage body. These can be changed any time simply and fast, the zinc die-casting carriage can be reused. A set of appropriate sliding elements is available for every clip-on carriage (Part No. NEK... ► Page 1048).

Overmoulded sliding elements

With this carriage type, the zinc die-casting body is made as an integral part of the high-performance polymer iglidur® J/J200 during the injection moulding process. For the user this production process offers the advantage, that the sliding surface is connected captive and insolubly to the carriage. This makes it quicker to install the carriages in the profile. Robust storage is possible, including in the form of bulk goods, as the sliding elements cannot come loose. It is not possible to retrofit sliding elements; the carriages must be entirely replaced at the end of their service life. The continuous operating temperature for overmoulded sliding elements is +50°C.

Tightening torque for drylin® connections between metal parts

Metric thread (Da)	Tightening torque [Nm]	Recommended tightening torque [Nm]
M3	0.5–1.1	0.7
M4	1.0–2.8	1.5
M5	2.0–5.5	3.0
M6	4.0–10.0	6.0
M8	8.0–23.0	15.0
M10	22.0–46.0	30.0

Please be aware of the minimal screw-in depth for aluminium and zinc die-casting parts: 1.5 x Da

drylin® N low-profile linear guides | Technical data

System selection

System	N17	N27	N40	N80
Rail width	17mm	27mm	40mm	80mm
Installation height	6mm	9.5mm	9.5mm	12mm
General properties				
Rail weight	150g/m	290g/m	450g/m	1,140g/m
Carriage weight	1.7g	9–12.5g	30g	100g
Max. rail length	2,000mm	3,000mm	3,000mm	4,000mm
Load capacity, static				
Fy	50N	500N	700N	1,000N
Fz	50N	500N	700N	1,000N
Mx	0.31Nm	5Nm	10Nm	32.4Nm
My, Mz	0.18Nm	2.5Nm	6Nm	15Nm
Carriage options				
Floating bearing in y-direction	●	●	●	●
Floating bearing in z-direction	●	●	●	●
Floating bearing in yz-direction	●	●	●	●
Pre-load (1N)	●	●	●	—
Overmoulded version	—	●	●	●
Carriage with through hole	—	●	●	—
Carriage with threaded pin	●	●	●	—
Carriage with threaded hole	—	—	—	●

Table 01: System selection ● available – not available

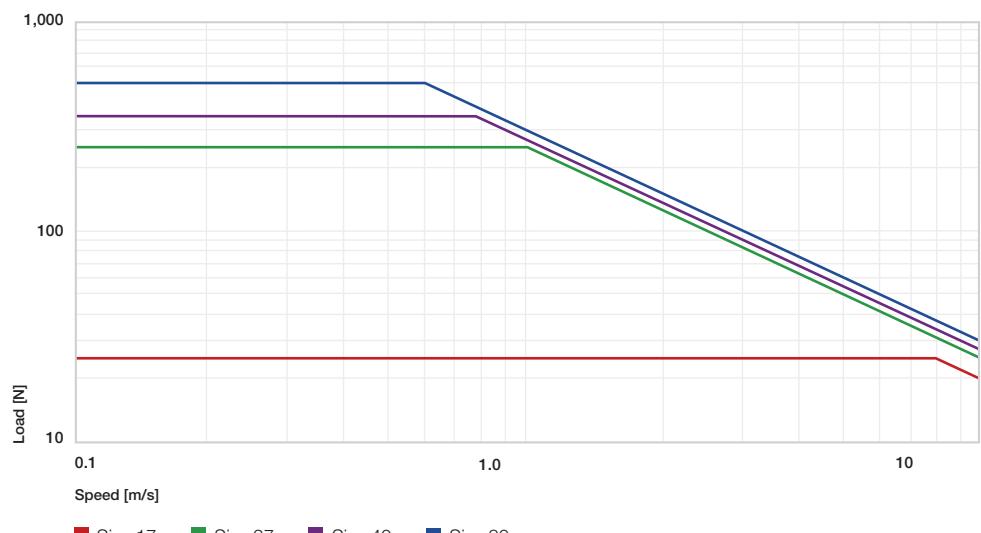


Diagram 01: F v diagram, maximum permissible dynamic load

drylin® N low-profile linear guides | Product range

Guide rails and carriages – installation size 17



Complete system



Order key

Type	Installation size	Options
NW - 22 - 17 - 30 - LLY		
drylin® N	Guide carriage	
Type of carriage	Rail width	Carriage length
		Floating bearing in y-direction

Type of carriage:

02: Carriage with threaded pin:
 22: Double carriage with threaded pin

Options:

P: Pre-load

Floating bearing:

LLY: y-direction
 (not possible with the "P" version)

LLZ: z-direction
 LLYZ: yz-direction

Guide rail – dimensions [mm]

Part No.	L	a	C4	C5 C6		h	h1	K1 ⁷³⁾	ly	lz	Weight
				Max.	Min.						
NS-01-17- □ ⁷²⁾	2,000	17	60	20	49.5	5.5	0.9	Ø3.5	1,700	120	150
NS-01-17-UNGEBOHRT- □ ⁷²⁾	2,000	17	–	–	–	5.5	0.9	–	1,700	120	150
NS-01-17-AR- □ ⁷²⁾	2,000	17	60	20	49.5	5.5	0.9	Ø3.5	1,700	120	150

Guide carriage – dimensions [mm]

Part No.	H	A	C	C2	K3 ⁷⁴⁾	Sp	Dp ¹⁵⁹⁾	Weight
	±0.35							[g]
NW-02-17	6.0	9.6	20	14	M3	2.5	5.0	1.7
NW-02-17-P	6.0	9.6	20	14	M3	2.5	5.0	1.7
NW-22-17-30	6.0	9.6	30	18	M3	2.5	5.0	2.4
NW-22-17-40	6.0	9.6	40	28	M3	2.5	5.0	2.6

⁷²⁾ Please give the required length in mm, symmetrical standard hole pattern C5=C6⁷³⁾ For cap screw with low head (e.g. DIN 7984, DIN 6912, DIN 84, EN ISO 1707)⁷⁴⁾ Metal thread¹⁵⁹⁾ Hole min. Ø

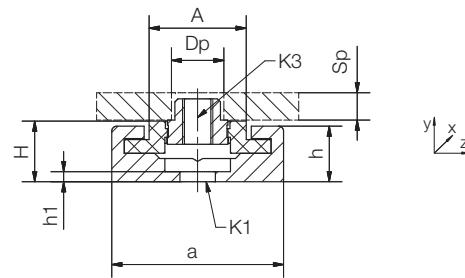
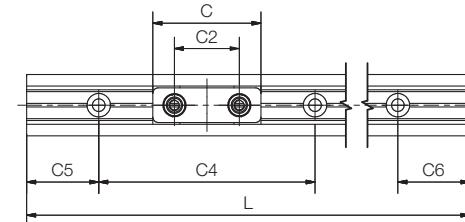
All elements can be ordered individually or as assembled systems

NS-01-17-1500: Guide rail, installation size 17, 1,500mm length

NK-02-17-02-500-LLY: Complete system with two solid plastic guide carriages with threaded pins, installation size 17, floating bearing in y-direction and 500mm guide rails with standard holes

drylin® N low-profile linear guides | Product range

The linear guide for the smallest installation space



Selection aid – guide carriage

Part No.	Single	Double	Through hole	Threaded pin	Threaded hole	Pre-load	Solid plastic	Clipped-on	Over-moulded	High temp.
NW-02-17	●				●		●			
NW-02-17-P	●			●		●	●	●		
NW-22-17-30		●			●		●		●	
NW-22-17-40	●	●		●	●		●		●	

drylin® N low-profile linear guides | Product range

Guide rails and carriages – installation size 27



Complete system



Order key

Type	Size	Options
NW - 01 - 27 - HT - LLY		
drylin® N	Guide carriage	
	Type of carriage	
	Rail width	
	High temperature	
	Floating bearing in y-direction	

Type of carriage:

See selection aid

Options:

P: Pre-load

HT: High temperature

Floating bearing:

LLY: y-direction

LLZ: z-direction

LLYZ: yz-direction

Guide rail – dimensions [mm]

Part No.	L	a	C4	C5 C6		h	h1	K1 ⁷³⁾	ly	lz	Weight
				Max.	Min.				[mm ³]	[mm ³]	[g/m]
NS-01-27- □ ⁷²⁾	3,000	27	60	20	49.5	9	1.1	Ø4.5	6,524	588	290
NS-01-27-UNGEBOHRT- □ ⁷²⁾	3,000	27	–	–	–	9	1.1	–	6,524	588	290
NS-01-27-AR- □ ⁷²⁾	3,000	27	60	20	49.5	9	1.1	Ø4.5	6,524	588	290

Guide carriage – dimensions [mm]

Part No.	H	A	C	C1	C2	H2	K ⁷³⁾	K3 ⁷⁴⁾	M ⁷⁵⁾	Sp	Dp ¹⁵⁹⁾	Weight
	±0.35								[Nm]			[g]
NW-01-27	9.5	14.0	40	30	20	1.2	Ø4.5	–	–	–	–	10.8
NW-11-27	9.5	14.0	34	30	20	1.2	Ø4.5	–	–	–	–	10.8
NW-01-27-P	9.5	14.0	40	30	20	1.2	Ø4.5	–	–	–	–	10.8
NW-01-27-HT	9.5	14.0	40	30	20	1.2	Ø4.5	–	–	–	–	11.0
NW-02-27	9.5	14.0	40	30	20	–	–	M4	1.2	5.0	6.5	12.5
NW-12-27	9.5	14.0	34	30	20	–	–	M4	1.2	5.0	6.5	12.5
NW-02-27-P	9.5	14.0	40	30	20	–	–	M4	1.2	5.0	6.5	12.5
NW-02-27-HT	9.5	14.0	40	30	20	–	–	M4	–	5.0	6.5	13.0
NW-21-27-60-P	9.5	14.0	60	60	20	0.7	Ø4.5	–	–	–	–	9.0
NW-22-27-60-P	9.5	14.0	60	60	20	–	–	M4	1.2	5.0	6.5	12.0
NW-31-27-60-P	9.5	14.0	60	60	40	0.7	–	M4	–	–	–	9
NW-32-27-60-P	9.5	14.0	60	60	40	–	–	M4	1.2	5	6.5	12
NW-11-27-80	9.5	14.0	80	76	60	1.2	Ø4.5	–	–	–	–	25.0
NW-12-27-80	9.5	14.0	80	76	60	–	–	M4	1.2	5.0	6.5	25.0

⁷²⁾ Please give the required length in mm, symmetrical standard hole pattern C5=C6⁷³⁾ For cap screw with low head (e.g. DIN 7984, DIN 6912, DIN 84, EN ISO 1707)⁷⁴⁾ Metal thread ⁷⁵⁾ Max. screw tightening torque ¹⁵⁹⁾ Hole min. Ø

All elements can be ordered individually or as assembled systems

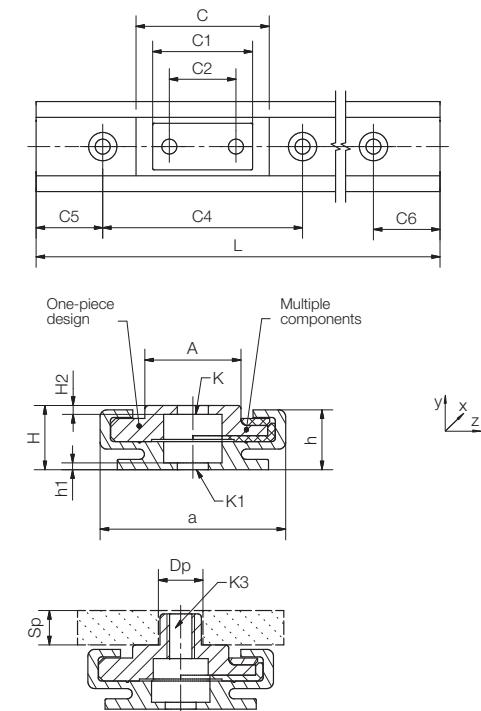
NS-01-27-1500: Guide rail, installation size 27, 1,500mm length

NW-02-27-P-LLY: Guide carriage with threaded pin, installation size 27, pre-load, floating bearing in y-direction

NK-02-27-02-500-LLY: Complete system with two clipped-on guide carriages with threaded pins, installation size 27, floating bearing in y-direction and 500mm guide rails with standard holes

drylin® N low-profile linear guides | Product range

The installation size with the largest variety of carriages



Selection aid – guide carriage

Part No.	Single	Double	Through hole	Threaded pin	Threaded hole	Pre-load	Solid plastic	Clipped-on	Over-moulded	High temp.
NW-01-27	●					●			●	
NW-11-27	●					●			●	
NW-01-27-P	●			●			●		●	
NW-01-27-HT	●			●						●
NW-02-27	●				●				●	
NW-12-27	●				●				●	
NW-02-27-P	●			●	●	●	●	●	●	
NW-02-27-HT	●			●	●		●	●	●	
NW-21-27-60-P	●				●		●	●	●	
NW-22-27-60-P	●				●		●	●	●	
NW-31-27-60-P	●				●		●	●	●	
NW-32-27-60-P	●				●		●	●	●	
NW-11-27-80	●			●	●					
NW-12-27-80	●			●	●					

drylin® N low-profile linear guides | Product range

Guide rails and carriages – installation size 40



Complete system



Order key

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

NW - 01 - 40 - P - LLY

drylin® N	Guide carriage	Type of carriage	Rail width	Pre-load	Floating bearing in y-direction
-----------	----------------	------------------	------------	----------	---------------------------------

Type of carriage:

See selection aid

Options:

P: Pre-load

Floating bearing:

LLY: y-direction

LLZ: z-direction

LLYZ: yz-direction

Guide rail – dimensions [mm]

Part No.	L	a	C4	C5	C6	h	h1	K1 ⁷³⁾	ly	lz	Weight			
												Max.	Min.	Max.
NS-01-40- □ ⁷²⁾	3,000	40	60	20	49.5	8.7	1.3	Ø4.5	26,400	970	450			
NS-01-40-UNGEBOHRT- □ ⁷²⁾	3,000	40	–	–	–	8.7	1.3	–	26,400	970	450			
NS-01-40-AR- □ ⁷²⁾	3,000	40	60	20	49.5	8.7	1.3	Ø4.5	26,400	970	450			

Guide carriage – dimensions [mm]

Part No.	H	A	C	C1	C2	H2	K ⁷³⁾	K3 ⁷⁴⁾	Sp	Dp ¹⁵⁹⁾	Weight		
												±0.35	[g]
NW-01-40	9.5	23.0	50	40	20	1.3	Ø4.5	–	–	–	30.0		
NW-01-40-P	9.5	23.0	50	40	20	1.3	Ø4.5	–	–	–	30.0		
NW-11-40	9.5	23.0	52	40	20	1.3	Ø4.5	–	–	–	30.0		
NW-02-40	9.5	23.0	50	40	20	–	–	M4	5.0	6.5	30.0		
NW-02-40-P	9.5	23.0	50	40	20	–	–	M4	5.0	6.5	30.0		
NW-12-40	9.5	23.0	52	40	20	–	–	M4	5.0	6.5	30.0		

⁷²⁾ Please give the required length in mm, symmetrical standard hole pattern C5=C6⁷³⁾ For cap screw with low head (e.g. DIN 7984, DIN 6912, DIN 84, EN ISO 1707)⁷⁴⁾ Metal thread¹⁵⁹⁾ Hole min. Ø All elements can be ordered individually or as assembled systems

NS-01-40-1500: Guide rail, installation size 40, 1,500mm length

NW-02-40-P-LLY: Guide carriage with threaded pin, installation size 40, pre-load, floating bearing in y-direction

NK-02-40-02-500-LLY: Complete system with two clipped-on guide carriages with threaded pins, installation size 40, floating bearing in y-direction and 500mm guide rails with standard holes

drylin® N low-profile linear guides | Product range

Suitable for aluminium construction profiles



NW-01-40 NW-02-40

NW-01-40-P NW-02-40-P

NW-11-40 NW-12-40

Selection aid – guide carriage

Part No.	Single	Double	Through	Threaded	Threaded	Pre-load	Solid	Clipped-	On	Over-	moulded	High
NW-01-40	●			●							●	
NW-01-40-P	●			●			●			●		
NW-11-40	●			●							●	
NW-02-40	●				●					●		
NW-02-40-P	●			●		●	●		●	●		
NW-12-40	●			●		●					●	

drylin® N low-profile linear guides | Product range

Guide rails and carriages – installation size 80



Complete system



Type Size Options

NW - 02 - 80 - LLY

Type of carriage:

See selection aid

Options:

Floating bearing:

LLY: y-direction

LLZ: z-direction

LLYZ: yz-direction

drylin® N low-profile linear guides | Product range

For high speeds at low loads



Standard

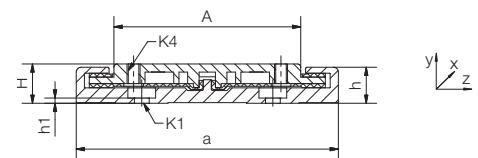
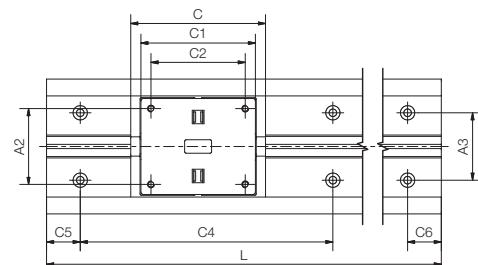
Without holes



Anti-reflect

NW-12-80

NW-02-80



Guide rail (standard/without holes/AR anti-reflect) – dimensions [mm]

Part No.	L	a	C4	A3	C5	C6	h	h1	K1 ⁷³⁾	ly	lz	Weight			
													Max.	Min.	Max.
NS-01-80- □ ⁷²⁾	4,000	80	150	40	25	99.5	11	1.5	Ø4.5	27,120	2,900	1,140			
NS-01-80-UNGEBOHRT- □ ⁷²⁾	4,000	80	–	–	–	–	11	1.5	–	27,120	2,900	1,140			
NS-01-80-AR- □ ⁷²⁾	4,000	80	150	40	25	99.5	11	1.5	Ø4.5	27,120	2,900	1,140			

Guide carriage – dimensions [mm]

Part No.	H	A	C	C1	C2	A2	K4 ⁷⁴⁾	Weight			
									±0.35	[g]	
NW-02-80	12.0	57.0	80	68	56	45	M4	100.0			
NW-12-80	12.0	57.0	83	68	56	45	M4	146.3			

⁷²⁾ Please give the required length in mm, symmetrical standard hole pattern C5=C6⁷³⁾ For cap screw with low head (e.g. DIN 7984, DIN 6912, DIN 84, EN ISO 1707)⁷⁴⁾ Metal thread

All elements can be ordered individually or as assembled systems

NS-01-80-1500: Guide rail, size 80, 1,500mm length

NW-02-80-LLY: Guide carriage, clip-on, installation size 80, floating bearing in y-direction,

NK-02-80-02-500-LLY: Complete system with two clipped-on guide carriages with threaded pins, installation size 80, floating bearing in y-direction and 500mm guide rails with standard holes

Selection aid – guide carriage

Part No.	Single	Double	Through	Threaded	Pre-load	Solid	Clipped-	Over-	High
NW-02-80	●				●			●	
NW-12-80	●				●			●	

drylin® N low-profile linear guides | Product range

Prism rails



Type Installation size Options

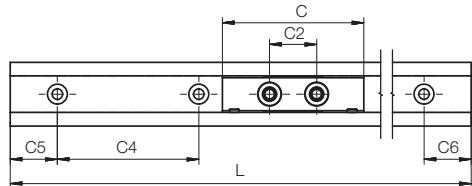
NSV - 01 - 27 - AR - UNGEBOHRT

Guide rail for pre-load prism slide

Type

Installation size

Anti-reflect



Guide rail – dimensions [mm]

Part No.	L Max.	a	C4	C5		h	h1	K1	ly [mm ⁴]	lz [mm ⁴]	Weight [g/m]
				Min.	Max.						
NSV-01-27	3,000	27	60	20	49.5	8.8	1.1	Ø4.5	11,250	766	409
NSV-01-27-AR New	3,000	27	60	20	49.5	8.8	1.1	Ø4.5	11,250	766	409
NSV-01-27- □ ⁷²⁾	3,000	27	–	–	–	8.8	1.1	–	11,250	766	409
NSV-01-27- □ -AR ⁷²⁾ New	3,000	27	–	–	–	8.8	1.1	–	11,250	766	409

⁷²⁾ Please give the required length in mm, symmetrical standard hole pattern C5=C6

drylin® N low-profile linear guides | Product range

Short prism carriage with single pre-load



Type Installation size Options

NWV - 21 - 27 - 35 - P05

Pre-load prism slide

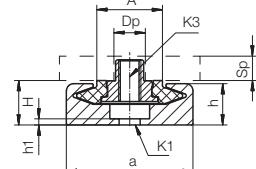
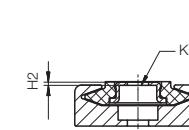
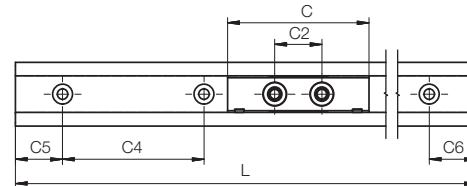
Type of carriage

Rail width

Carriage length

Pre-load

With threaded pin 22 or with through hole 21



Guide carriage – dimensions [mm]

Part No.	Pre-load [N]	H	A	C	C2	H2	K	K3	M ⁷⁵ [Nm]	SP	Dp ¹⁵⁹⁾ Min. [Nm]	Weight [g]
NWV-21-27-35-P05	0.5	9.5	14	35	20	0.7	Ø4.5	–	–	–	–	6
NWV-21-27-35-P11	1.1	9.5	14	35	20	0.7	Ø4.5	–	–	–	–	6
NWV-21-27-35-P23	2.3	9.5	14	35	20	0.7	Ø4.5	–	–	–	–	6
NWV-21-27-35-P38	3.8	9.5	14	35	20	0.7	Ø4.5	–	–	–	–	6
NWV-21-27-35-P80 New	8.0	9.5	14	35	20	0.7	Ø4.5	–	–	–	–	6
NWV-22-27-35-P05	0.5	9.5	14	35	20	–	–	M4	1.2	5	6.5	11
NWV-22-27-35-P11	1.1	9.5	14	35	20	–	–	M4	1.2	5	6.5	11
NWV-22-27-35-P23	2.3	9.5	14	35	20	–	–	M4	1.2	5	6.5	11
NWV-22-27-35-P38	3.8	9.5	14	35	20	–	–	M4	1.2	5	6.5	11
NWV-22-27-35-P80 New	8.0	9.5	14	35	20	–	–	M4	1.2	5	6.5	11

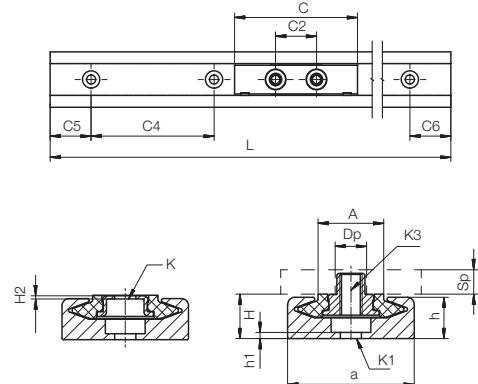
⁷⁵⁾ Max. screw tightening torque¹⁵⁹⁾ Hole min. Ø

drylin® N low-profile linear guides | Product range

Long prism carriage with dual pre-load



With threaded pin 22 or with through hole 21



Guide carriage – dimensions [mm]

Part No.	Pre-load	H	A	C	C2	H2	K	K3	M ⁷⁵⁾	SP	Dp ¹⁵⁹⁾	Weight
	[N]	±0.35										Min.
NWV-21-27-60-P10	1.0	9.5	14	60	20	0.7	04.5	–	–	–	–	10
NWV-21-27-60-P22	2.2	9.5	14	60	20	0.7	04.5	–	–	–	–	10
NWV-21-27-60-P46	4.6	9.5	14	60	20	0.7	04.5	–	–	–	–	10
NWV-21-27-60-P76	7.6	9.5	14	60	20	0.7	04.5	–	–	–	–	10
NWV-21-27-60-P160 New	16.0	9.5	14	60	20	0.7	04.5	–	–	–	–	6
NWV-22-27-60-P10	1.0	9.5	14	60	20	–	–	M4	1.2	5	6.5	13
NWV-22-27-60-P22	2.2	9.5	14	60	20	–	–	M4	1.2	5	6.5	13
NWV-22-27-60-P46	4.6	9.5	14	60	20	–	–	M4	1.2	5	6.5	13
NWV-22-27-60-P76	7.6	9.5	14	60	20	–	–	M4	1.2	5	6.5	13
NWV-22-27-60-P160 New	16.0	9.5	14	60	20	–	–	M4	1.2	5	6.5	11

⁷⁵⁾ Max. screw tightening torque¹⁵⁹⁾ Hole min. Ødrylin® stop motion full product range online
► www.igus-asean.com/drylinstopmotion

drylin® N low-profile linear guides | Technical data

Standard carriages

Part No.	Average displacement force [N]
NWV-21/22-27-35-P05	1.0
NWV-21/22-27-35-P11	2.2
NWV-21/22-27-35-P23	4.6
NWV-21/22-27-35-P38	7.6
NWV-21/22-27-35-P80	16.0

Part No.	Guaranteed holding force [N]
NWV-21/22-27-35-P05	0.5
NWV-21/22-27-35-P11	1.1
NWV-21/22-27-35-P23	2.3
NWV-21/22-27-35-P38	3.8
NWV-21/22-27-35-P80	8.0



Long carriages



Part No.	Average displacement force [N]
NWV-21/22-27-60-P10	2.0
NWV-21/22-27-60-P22	4.4
NWV-21/22-27-60-P46	9.2
NWV-21/22-27-60-P76	15.2
NWV-21/22-27-60-P160	32.0

Part No.	Guaranteed holding force [N]
NWV-21/22-27-60-P10	1.0
NWV-21/22-27-60-P22	2.2
NWV-21/22-27-60-P46	4.6
NWV-21/22-27-60-P76	7.6
NWV-21/22-27-60-P160	16.0



Note:

The average displacement force values apply to unloaded carriages at centric drive. The real displacement forces depend to a large extent on the displacement speed. At creep movement (few mm/min.), the values are slightly over the guaranteed holding force. At higher displacement forces, the values can considerably exceed the average displacement force. The values do not apply for applications in which dirt and moisture ingress into the system. The holding force cited is a minimum value – the displacement force required to move the carriage may be higher.

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drylin® N low-profile linear guides | Product range

Accessories: Manual clamp

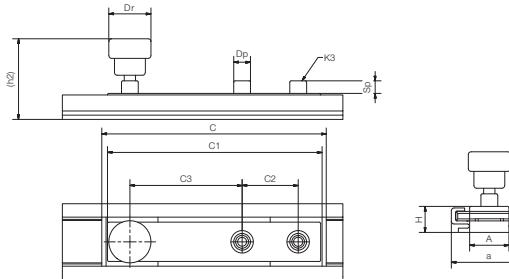


Order key

Type Size Version

NW - 12 - 27 - 80 - HKA

drylin® N	Guide carriage	Type of carriage	Rail width	Carriage length	Manual clamp
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Dimensions [mm]

Part No.	H	(h2)	A	a	C	C1	C2	C3	K3	M	Sp	Dp	Dr	Weight
										[Nm]				[g]
NW-12-27-80-HKA	9.5	32	14	27	80	76	20	40	M4	1.2	5	6.5	15	32

M: Permissible torque of the complete system



Order example:

NW-12-27-80-HKA: Manual clamp for NW-12-27-80 carriage

drylin® N low-profile linear guides | Product range

Accessories: End caps

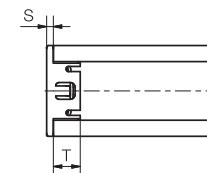


Order key

Type Size

N SK B - 40

drylin® N -	end cap	Push-fit	Rail width
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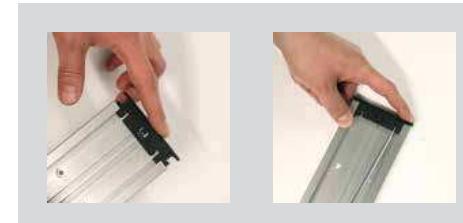
Dimensions [mm]

Part No.	S	T	For rail
NSKB-17	1.5	7	NS-01-17
NSKB-27	2.0	8	NS-01-27
NSK-40	1.5	8	NS-01-40
NSKB-80	2.0	17	NS-01-80



Order example:

NSK-40: End caps for guide rail size 40, bolted



Easily assembled and disassembled by hand using a screwdriver. Part No.: NSKB

End caps for rail size 40, screwed
Part No.: NSK-40

drylin® N replacement plastic sliders (set)

Material iglidur® J

Carriage type	Part No. Sliding part set
NW-01/02/27	NEK-01-27
NW-01/02-27P	NEK-01-27-P
NW-01/02-27-LLY	NEK-01-27-LLY
NW-01/02-27-LLZ	NEK-01-27-LLZ
NW-01/02-40	NEK-02-40
NW-01/02-40P	NEK-01-40-P
NW-01/02-40-LLY	NEK-02-40-LLY
NW-01/02-40-LLZ	NEK-02-40-LLZ
NW-02-80	NEK-02-80
NW-02-80-LLY	NEK-02-80-LLY
NW-02-80-LLZ	NEK-02-80-LLZ



drylin® linear technology – drylin® N telescopic rails

Continuously extendable

Lubrication-free dry-tech® sliding elements

Quiet, sliding movement

Full extension, partial extension, overextension



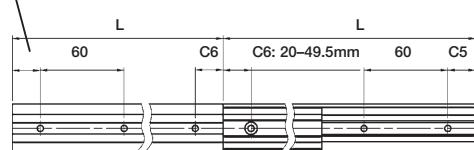
drylin® N low-profile linear guides | Product range

Telescopic rails

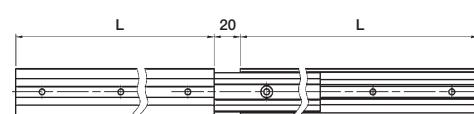
- Robust plastic/aluminium version
- Lightweight
- Cost-effective
- Corrosion-free
- Continuous lengths up to 1,200mm (total extension)

NT-35-"L" – Total extension

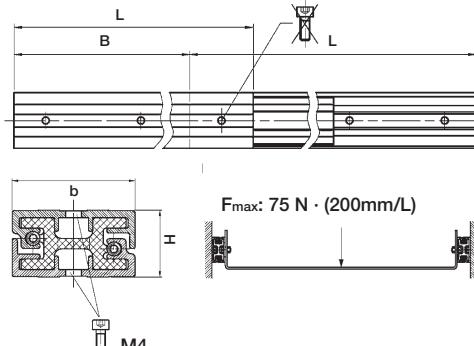
C5: 20–49.5mm



NT-35-"L"-“L+20” – overextension



NT-35-"L"-“B” – Partial extension



Dimensions [mm]

Part No.	b	H	C4	C5 = C6		L	
				Min.	Max.	Min.	Max.
NT-35-... mm	35	19	60	20	49.5	100	600

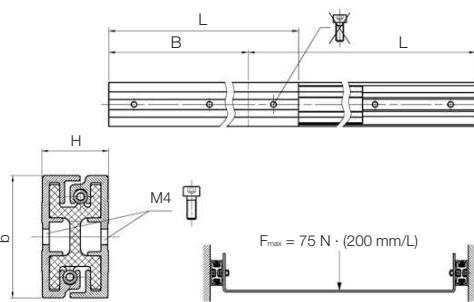
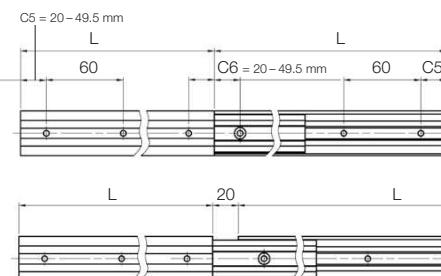
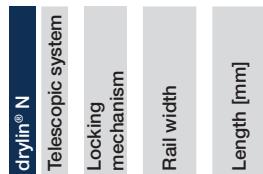
drylin® N low-profile linear guides | Product range

Telescopic rails with locking mechanism



Type Size Option

N T -LM- 35 -300



drylin® NT LM in adjustment of Perspex guard



drylin® NT LM in guard door adjustment in a machine tool

drylin® detent in end and centre position at full extension – dimensions [mm]

Part No.	b	H	Lmin	Lmax.
NT-LM-35-...mm	35	19	140	600

Individual position detent upon request; The length divided by the locking distance must be an even number.
e.g. Length 250mm, latching in 62.5mm step: $250/62.5 = 4$



Order example:

NT-LM-35-300: drylin® N telescopic rail with locking mechanism, 35mm width, retracted length 300mm



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

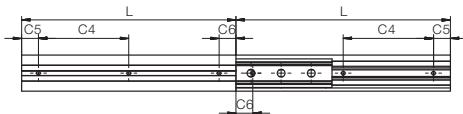
drylin® N low-profile linear guides | Product range New

Telescopic guide for higher loads



- Lubrication and maintenance-free
- Continuously extendable up to 2,000mm (extended length)
- Sliders made of durable high-performance polymers
- Quiet, sliding movement
- Full extension, partial extension and overextension possible

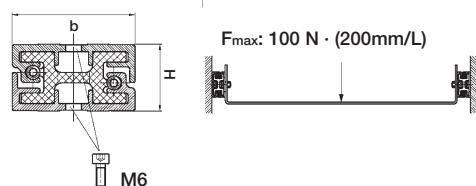
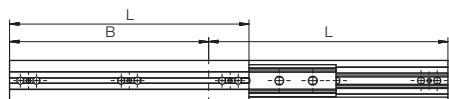
NT-60-"L" – Total extension



NT-60-'L'-'L+max. 20" – overextension



NT-60-'L'-'B" – Partial extension



Tip:
F_{max} calculated using this formula allows an easy manual use. Higher loads can be taken up by the system, but need a higher drive force.

Dimensions [mm]

Part No.	b	H	C4	C5 = C6		L	
				Min.	Max.	Min.	Max.
NT-60... mm New	60	24	150	25	99.5	200	1,000



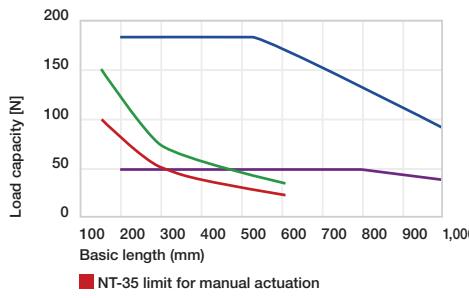
Order key

Type

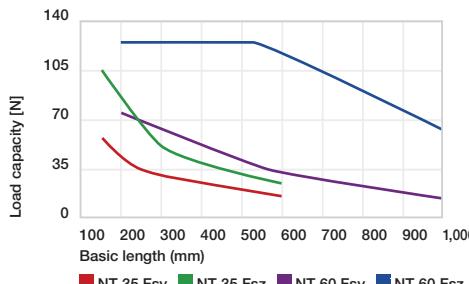
Size

N T - 60 - 200

drylin® N
Telescopic system
Rail width
Length [mm]



drylin® N telescope systems load capacity of a drawer with two systems installed upright



drylin® N telescope static load capacity in different load directions



drylin® linear technology – drylin® T rail guides

Robust linear guides

Adjustable bearing clearance

Wear-resistant and durable

Dimensionally identical to recirculating ball-bearing guides

Lubrication and maintenance-free

