



RK ROSE+KRIEGER

A Phoenix Mecano Company

RK LightUnit-G **RK LightUnit-G telescope**

Slide guide with individual
positioning

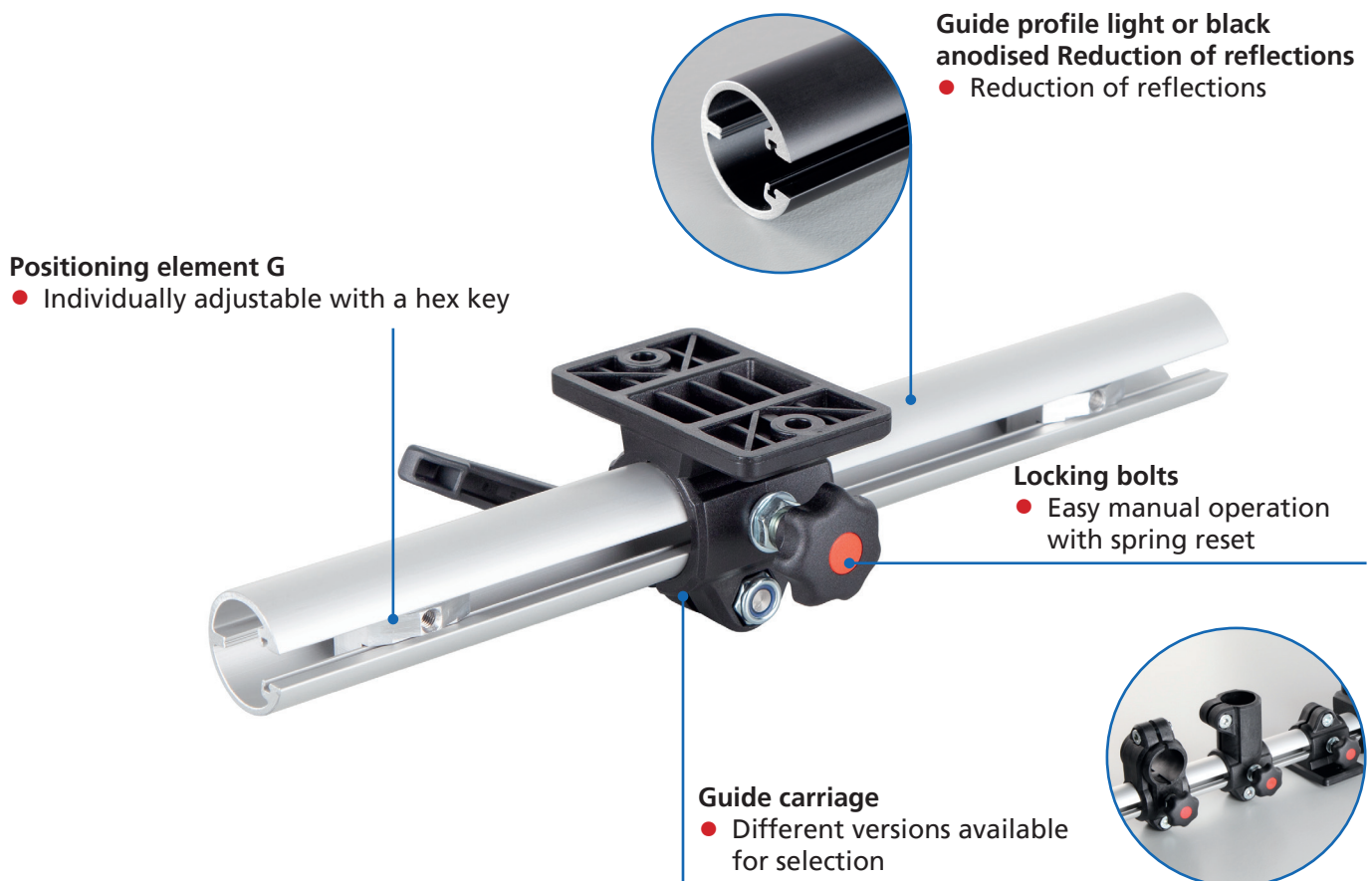


Holding and positioning

The RK LightUnit profile with one-sided slot makes for easy adjustment of the carriage with the individually adjustable positioning element G, without the need for any machining. If the carriage is moved over the positioning element G, it is secured in the desired position with the locking bolt. This connection technology provides a high degree of flexibility as (any number of) securing points do not need to be defined in advance (e.g. by drilling). So the limit positions can be adjusted at any time, and different carriages can be freely combined in order to achieve the desired application.



Video
RK LightUnit-G /
telescope
How it works



Product benefits:

Easy – Installation using just a single tool

Flexible – Individual adjustment of the positioning elements

Versatile – Free selection of carriages for many different applications

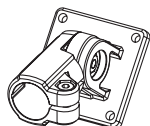
Compatible – Wide range of connection versions with RK tube connectors

Fast delivery – All components available from stock

Overview individual components

Fixing elements

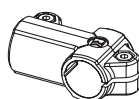
GF-KU
P. 10



FS-KU
P. 10



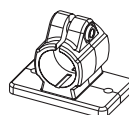
W-KU
P. 10



K-KU
P. 9



FK-KU
P. 9

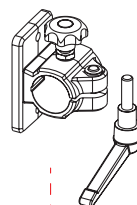


Positioning element G
P. 7

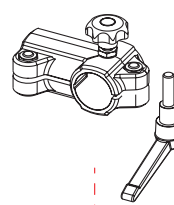
Guide profile
P. 7

Guide carriage

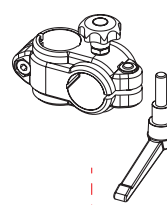
FK-KU-G
P. 8



W-KU-G
P. 8



K-KU-G
P. 8



RK LightUnit-G telescope

Holding, positioning and telescoping

The RK LightUnit-G telescope features a special telescopic unit which allows easy and space-saving integration and adjustment. Unlike the RK LightUnit-G, the telescopic version has a guide tube that can be positioned manually. Positioning elements can also be used in the guide tube, enabling any number of latching positions to be defined.



Product benefits:

Easy – Installation using just a single tool

Flexible – Individual adjustment of the positioning elements

Versatile – Free selection of carriages for many different applications

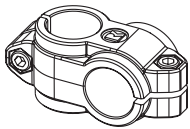
Compatible – Wide range of connection versions with RK tube connectors

Fast delivery – All components available from stock

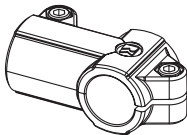
Overview individual components

Fixing elements Ø 40 mm Aluminium

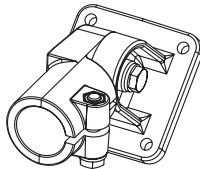
K
P. 9



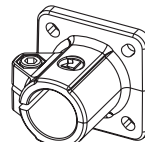
W
P. 10



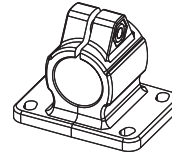
GF
P. 10



FS
P. 10



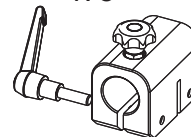
FK
P. 9



Aluminum tube
P. 7

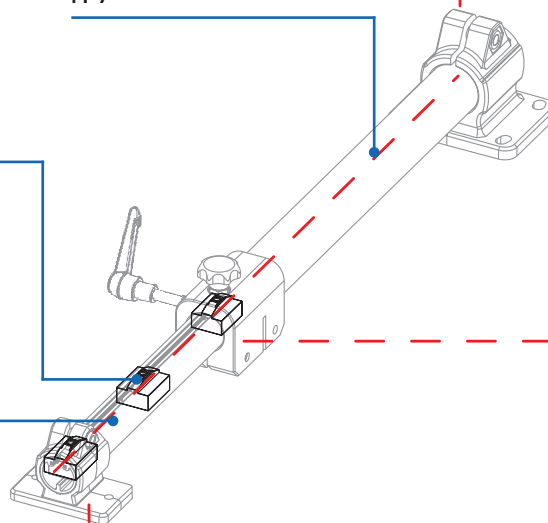
Guide carriage

MD-KU-G
P. 8



Positioning element G
P. 7

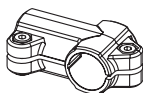
Guide profile
P. 7



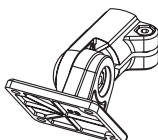
Fixing elements Ø 30 mm plastic tube



K-KU
P. 9



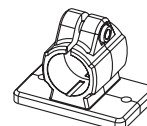
W-KU
P. 10



GF-KU
P. 10



FS-KU
P. 10



FK-KU
P. 9

Load data

Attention!
The data in the chart do not ensure a guarantee of quality or a warrant characteristic of our products. These are nonbinding standard values which might be not reached in individual cases due to the temperature or surface finish of the clamping profile.

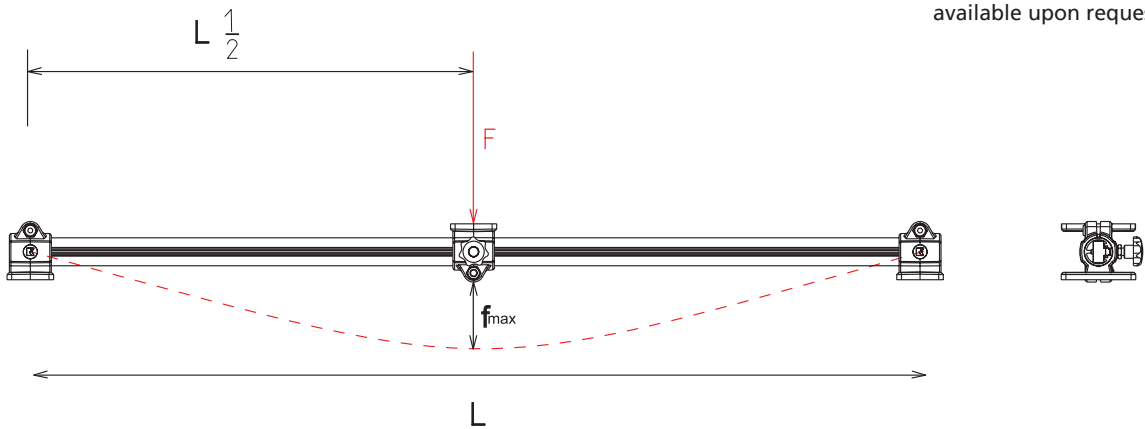
Load data

- F Force [N]
- f_{max} Deflection [mm]
- L Total length [mm]

Tightening torque:
Cap screw M8: 8,0 Nm
Cap screw M10: 50,0 Nm

Positioning element G
Tightening torque 1 Nm

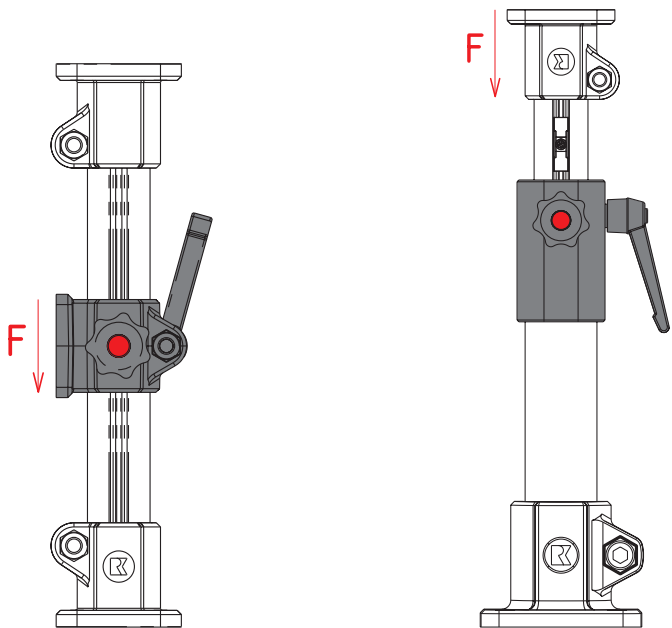
Material data sheet
available upon request



Type		
Total length [mm]	1000	1500
Deflection [mm]	5,0	5,0
Force [N]	305	108

RK LightUnit-G

RK LightUnit-G telescope



Type	
Adhesion force [KN]	1,0 *

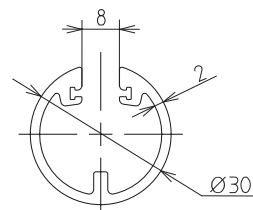
* Fastening screw on the guide carriage
tightened with tightening torque

Individual components

Guide profile



- Guide profile clear or black anodised



Standard lengths

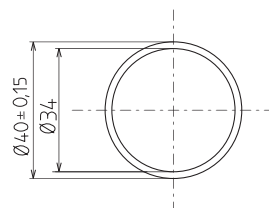
Code No.	Type	Standard length [mm]
8P030026116080	Guide profile 30 mm, Bar 6m, clear anodised	6000
8P030026126080	Guide profile 30 mm, Bar 6m, black anodised	6000
8P03002611_ _ _ _	Guide profile 30 mm, Cut, clear anodised	max. 1500
8P03002612_ _ _ _	Guide profile 30 mm, Cut, black anodised	max. 1500

required length [mm]

Order instructions

- Cut to size or standard lengths
- black anodized on request

Aluminum tube



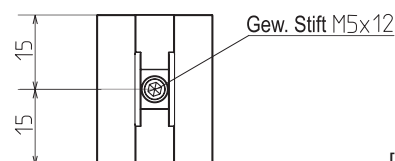
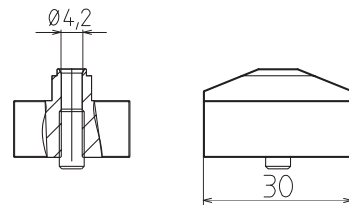
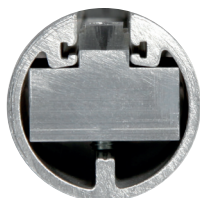
Code No.	Type	Total length [mm]
824030	Aluminum tube 40x3 mm, Cut, clear anodised	max. 6000

required length [mm]

Version:
 1 = natural AlMgSi0,5
 2 = clear anodized AlMgSi0,5

Positioning element G

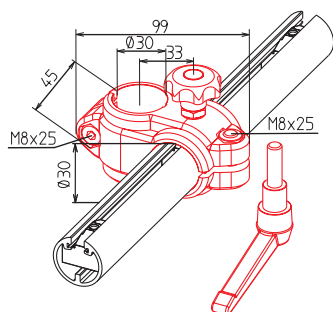
- also stabilises the profile cross-section



Code No.	Lot sizes	Weight
9850004	3, 6, 9... pcs	24 g

Guide carriage

K-KU-G



Material:

Reinforced polyamide, black;
Fastening material galvanized.

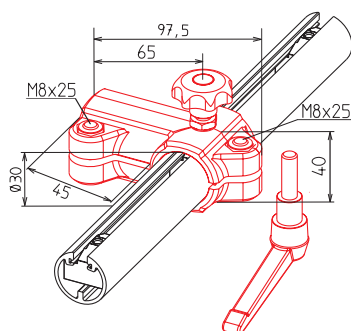
Scope of delivery:

Clamping lever unmounted
included in the scope of delivery.

[mm]

Code No.	Type	Lot sizes	Weight
K3001200CSR30	K-KU 30	1, 2, 3... pcs	130 g

W-KU-G



Material:

Reinforced polyamide, black;
Fastening material galvanized.

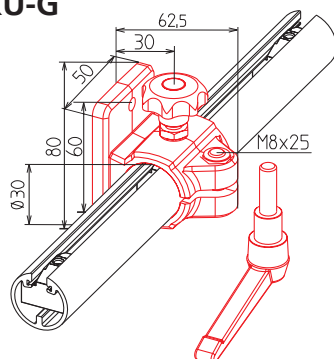
Scope of delivery:

Clamping lever unmounted
included in the scope of delivery.

[mm]

Code No.	Type	Lot sizes	Weight
K3007200CSR30	W-KU 30	1, 2, 3... pcs	129 g

FK-KU-G



Material:

Reinforced polyamide, black;
Fastening material galvanized.

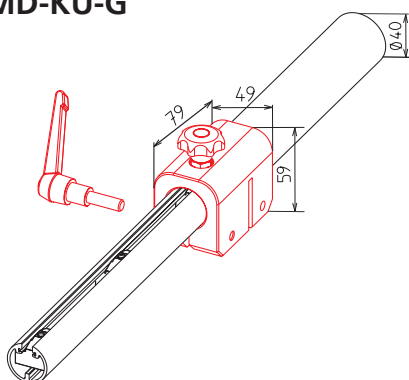
Scope of delivery:

Clamping lever unmounted
included in the scope of delivery.

[mm]

Code No.	Type	Lot sizes	Weight
K3009200CS	FK-KU 30	1, 2, 3... pcs	94 g

MD-KU-G



Material:

POM, black;
Fastening material galvanized.

Scope of delivery:

Clamping lever unmounted
included in the scope of delivery.

[mm]

Code No.	Type	Lot sizes	Weight
K3027200CSR40	MD-KU-G 40x30	1, 2, 3... pcs	226 g

Fixing elements

Order instructions:

- The fastening elements are fitted with screws as standard. These can be replaced with clamping levers if required.
- A positioning element G is required for each fastening element in order to stabilise the guide profile.

- A special reducing bush system allows different tube diameters to be connected
- The range of different versions makes for easy mounting

Material:

Sizes 30:

Reinforced polyamide, black; galvanized fastening material.

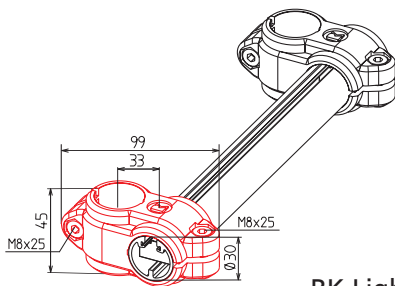
Sizes 40:

Cast aluminum

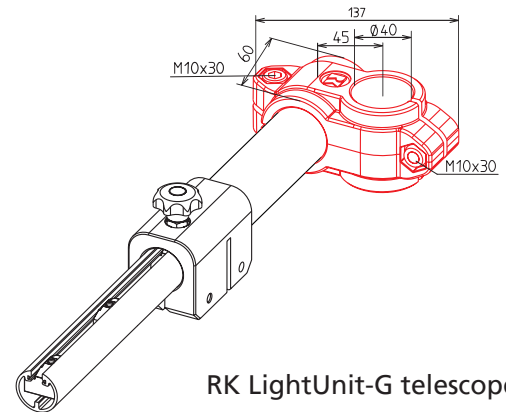
K-KU / K

[mm]

Code No.	Type	Weight	Lot sizes
K00030ACSR30R30	K-KU 30	132 g	5, 10, 15... pcs
104000000200	K 40	527 g	---



RK LightUnit-G

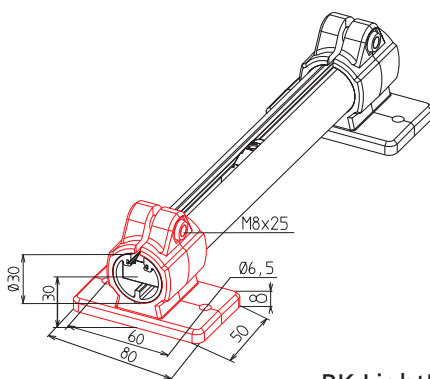


RK LightUnit-G telescope

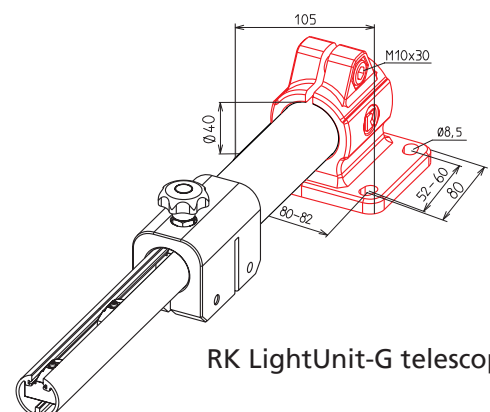
FK-KU / FK

[mm]

Code No.	Type	Weight	Lot sizes
K20030ACSR30	FK-KU 30	84 g	5, 10, 15... pcs
12400000020	FK 40	404 g	---



RK LightUnit-G



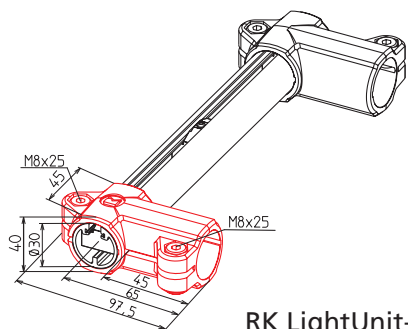
RK LightUnit-G telescope

Fixing elements

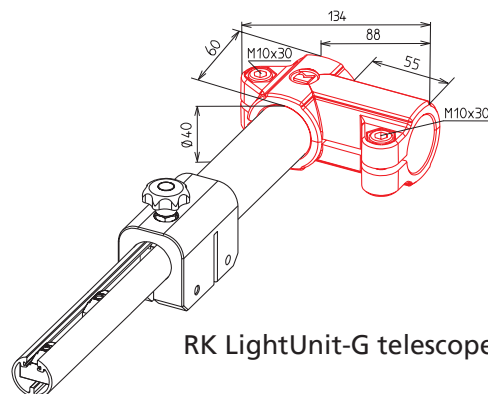
W-KU / W

[mm]

Code No.	Type	Weight	Lot sizes
K10030ACSR30R30	W-KU 30	115 g	5, 10, 15... pcs
114000000200	W 40	530 g	- - -



RK LightUnit-G

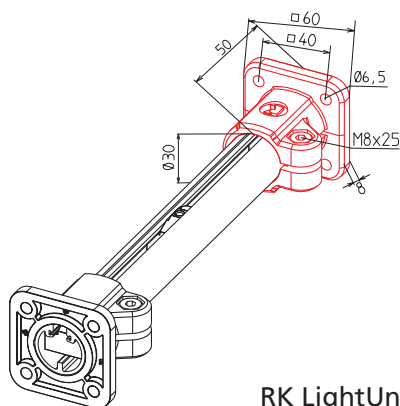


RK LightUnit-G telescope

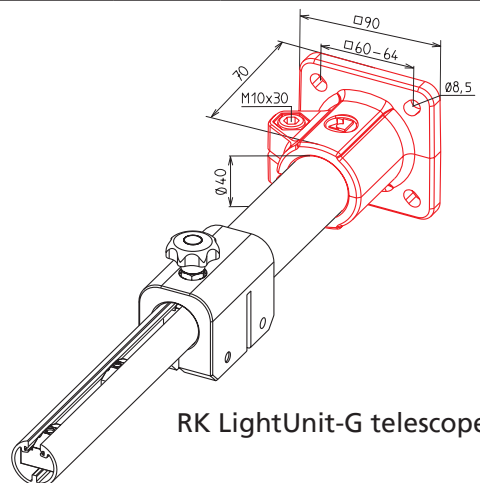
FS-KU / FS

[mm]

Code No.	Type	Weight	Lot sizes
K30030ACSR30	FS-KU 30	75 g	5, 10, 15... pcs
134000000020	FS 40	385 g	- - -



RK LightUnit-G

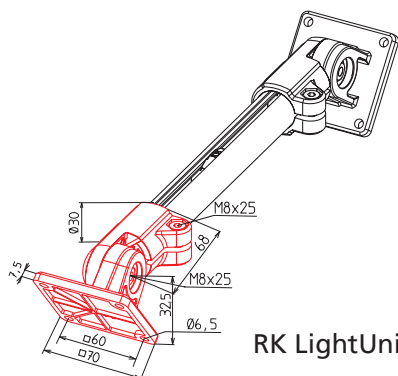


RK LightUnit-G telescope

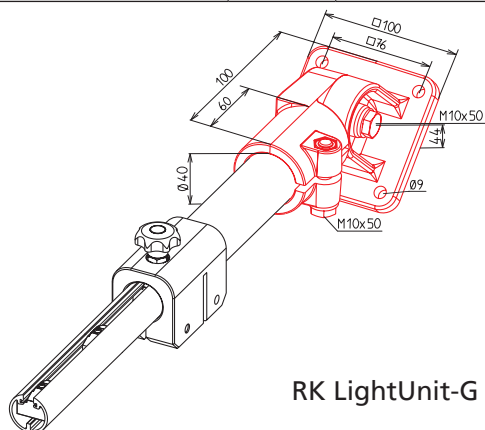
GF-KU / GF

[mm]

Code No.	Type	Weight	Lot sizes
K80230ACSR30	GF-KU 30	184 g	5, 10, 15... pcs
184000002020	GF 40	827 g	- - -



RK LightUnit-G



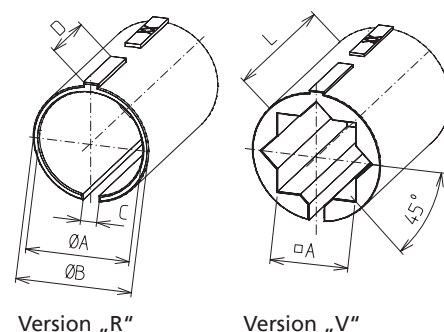
RK LightUnit-G telescope

Order instructions:

- Order quantities are partly subject to fixed scaling according to table
- The clamping diameter can be changed for further connection by simply replacing the reducing bushes.

Material:
PA6.6 GF30

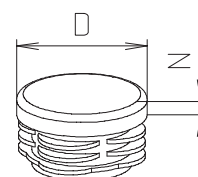
Reducing bushes



[mm]

Code No.	Type	Version	Lot sizes	A+0,1	B	C	D	L
96204AC	30	R20	5, 10, 15... Stück	20,25	30	3,5	18,9	45
96206AC	30	R25	5, 10, 15... Stück	25,25	30	3,5	18,9	45
96208AC	30	V20	5, 10, 15... Stück	20,25	30	3,5	18,9	45

Round tube stopper



[mm]

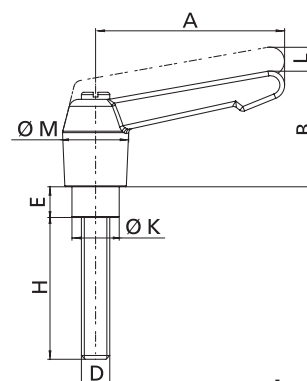
Code No.	Type	Ø D	N	Weight	Lot sizes
Polyethylen schwarz					
9850005	30x2	30	5	1 g	2, 4, 6... pcs
90306	40x3	40	5	2 g	10, 20, 30... pcs

Clamping lever



- The listed clamping levers allow the plastic elements to be retrofitted by simply replacing the hexagon socket screws.
- When the handle is lifted, the serration is revealed and the clamping lever can be swivelled into the optimum clamping position. When released, the handle latches again automatically.

Material:
Handle made of PA, black,
Stainless steel screw insert



[mm]

Code No.	Type	A	B	D	E	H	K	L	M
902381	30	65	35	M8	14	25	13	4	19,5

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