

Point fixings for glass

Aesthetic and secure glass fixings



- Diameters of standard models 16–60 mm
- Flexible configurations according to your needs
- Flush- and surface-mounted models
- For all thicknesses of glass
- Tested load-bearing capacities
- All elements are machine-processed
- Material **304** (EN 1.4301) or **316** (EN 1.4404)

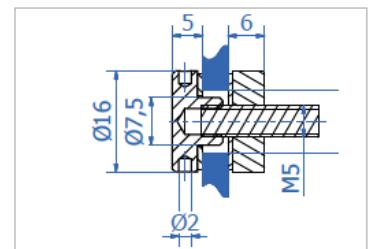
Surface-mounted point fixings

R-Point 16



- Material:** 304
PVC gaskets
- Bolt:** KP16.01 – M5x40 Zn
KP16.02 – M5x40 Zn wood bolt
- Suitable spanner:** Hexagonal spanner 1.5 mm

KP16.01 / KP16.02

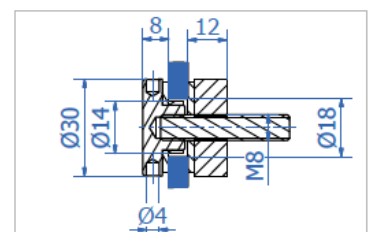


R-Point 30



- Material:** KP30.01 – 304
KP30.51 – 316
- Bolt:** PVC gaskets
M8 (not supplied)
- Suitable spanner:** Hook spanner KP99.01

KP30.01 / KP30.51



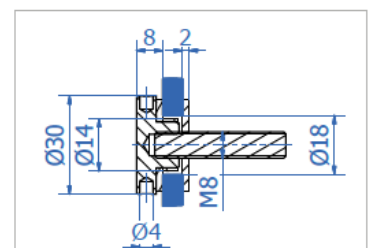
INFO: threaded spacer

R-Point 30, only head



- Material:** KP30.11 – 304
KP30.61 – 316
- Bolt:** PVC gaskets
M8 (not supplied)
- Suitable spanner:** Hook spanner KP99.01

KP30.11 / KP30.61



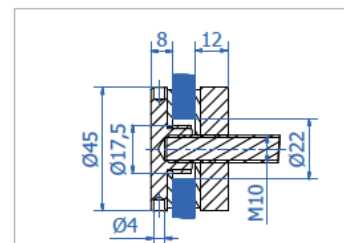
Surface-mounted point fixings

R-Point 45

KP45.01 / KP45.51



Material:	KP45.01 – 304	
	KP45.51 – 316	
	PVC gaskets	
Bolt:	M10 (not supplied)	
Suitable spanner:	Hook spanner KP99.02	
Load-bearing capacity:	Axial	8 kN
	Radial	4 kN

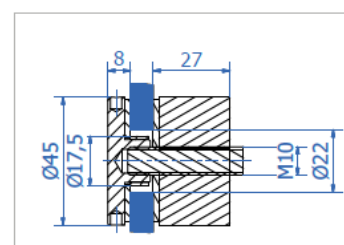


R-Point 45, distance 27 mm

KP45.02 / KP45.52



Material:	KP45.02 – 304	
	KP45.52 – 316	
	PVC gaskets	
Bolt:	M10 (not supplied)	
Suitable spanner:	Hook spanner KP99.02	
Load-bearing capacity:	Axial	8 kN
	Radial	4 kN

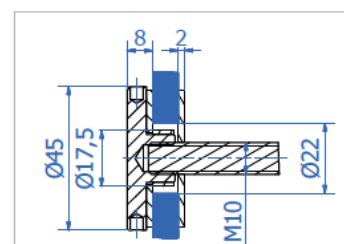


R-Point 45, head only

KP45.11 / KP45.61



Material:	KP45.11 – 304	
	KP45.61 – 316	
	PVC gaskets	
Bolt:	M10 (not supplied)	
Suitable spanner:	Hook spanner KP99.02	
Load-bearing capacity:	Axial	8 kN
	Radial	4 kN



Bracket for using between glass panes

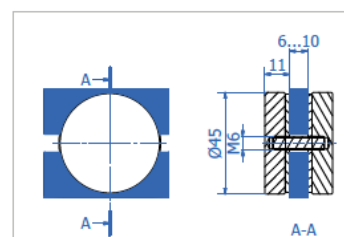
KP45.21 / KP45.71

KP45.22 / KP45.72



Product code	Material	Glass thickness
KP45.21	304	6-10 mm
KP45.22	304	12-13.5 mm
KP45.71	316	6-10 mm
KP45.72	316	12-13.5 mm

+ PVC gaskets

Suitable spanner: Hook spanner KP99.02


Point fixings for glass

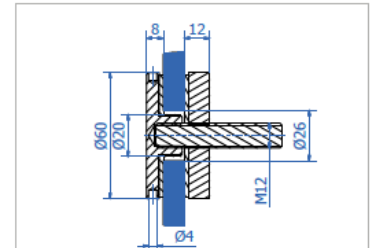
Surface-mounted point fixings

R-Point 60

KP60.01 / KP60.51



Material:	KP60.01 – 304 KP60.51 – 316 PVC gaskets
Bolt:	M12 (not supplied)
Suitable spanner:	Hook spanner KP99.02
Load-bearing capacity:	Axial 12 kN Radial 6 kN



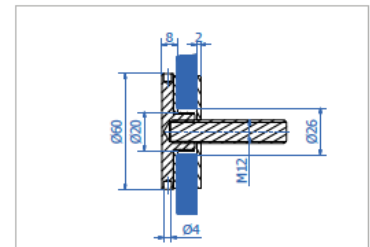
INFO: threaded spacer

R-Point 60, only head

KP60.11 / KP60.61



Material:	KP60.11 – 304 KP60.61 – 316 PVC gaskets
Bolt:	M12 (not supplied)
Suitable spanner:	Hook spanner KP99.02
Load-bearing capacity:	Axial 12 kN Radial 6 kN

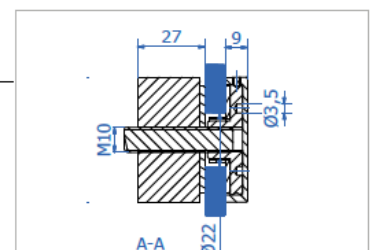
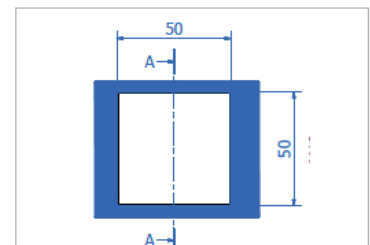


R-Square

KP50.50/KP50.55



Material:	KP50.50 – 304 KP50.55 – 316 PVC gaskets
Bolt:	M10 (not supplied)
Suitable spanner:	Fork spanner KP99.03
Load-bearing capacity:	Axial 8 kN Radial 4 kN



Stud bolts, wood bolts



Material:	A2 304 A4 316
Diameters:	M8 (R-Point 30) M10 (R-Point 45, R-Square) M12 (R-Point 60)
Lengths:	L= 30, 40, 60, 80, 120

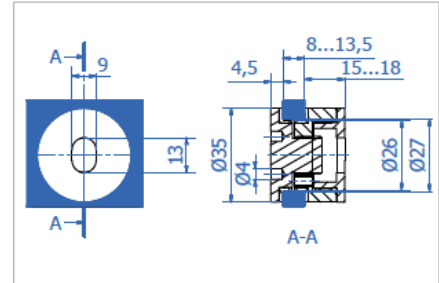
Point fixings with adjustable spacer

Adjustable Ø35, surface-mounted

KP35R.51



Material:	316
	POM gaskets
Spacer:	15–18 mm
Glass thickness:	8–13,52 mm
Bolt:	M8 DIN 6912 (not supplied)
Suitable spanner:	Fork spanner KP99.03



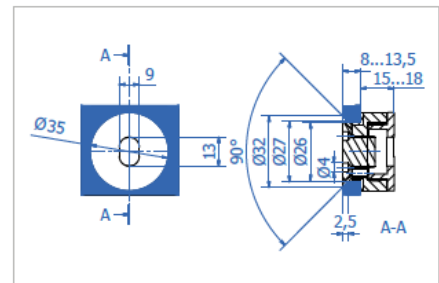
INFO: Adjustable sideways +/- 2.5 mm

Adjustable Ø35, flush-mounted

KP35R.52



Material:	316
	POM gaskets
Spacer:	15–18 mm
Glass thickness:	8–13,52 mm
Bolt:	M8 DIN 6912 (not supplied)
Suitable spanner:	Fork spanner KP99.03



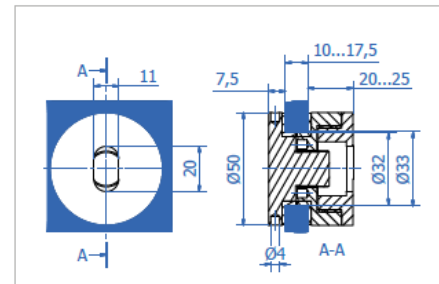
INFO: Adjustable sideways +/- 2.5 mm

Adjustable Ø50, surface-mounted

KP50R.51



Material:	316
	POM gaskets
Spacer:	20–25 mm
Glass thickness:	10–17,52 mm
Bolt:	M10 DIN 6912 (not supplied)
Suitable spanner:	Hook spanner KP99.02



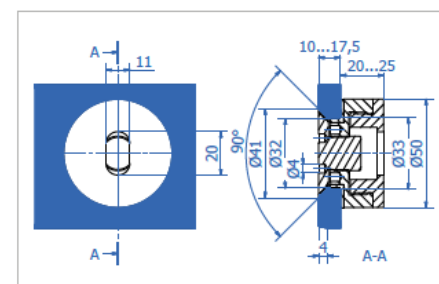
INFO: Adjustable sideways +/- 5 mm

Adjustable Ø50, flush-mounted

KP50R.52



Material:	316
	POM gaskets
Spacer:	20–25 mm
Glass thickness:	10–17,52 mm
Bolt:	M10 DIN 6912 (not supplied)
Suitable spanner:	Fork spanner KP99.03



INFO: Adjustable sideways +/- 5 mm

Flush-mounted point fixings for thick glass

Point fixing for glass stairs



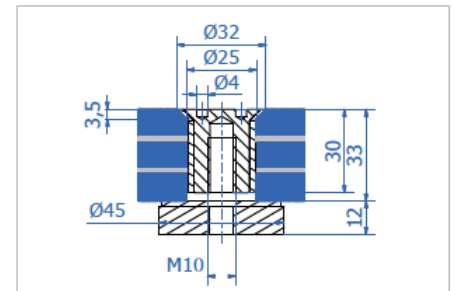
Material: 316
POM+PVC gaskets

Glass thickness: 10 + 10 + 10

Bolt: M10 (not supplied)

Suitable spanner: Fork spanner KP99.03

KP.STR33



Point fixing for glass stairs



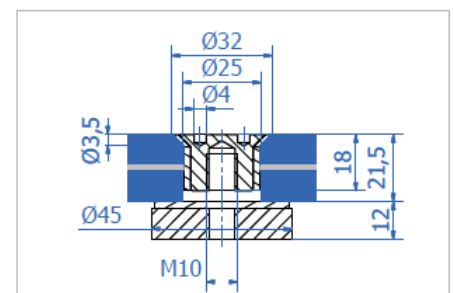
Material: 316
POM+PVC gaskets

Glass thickness: 10 + 10

Bolt: M10 (not supplied)

Suitable spanner: Fork spanner KP99.03

KP.STR21



Flush-mounted point fixings for 8 + 8 glass



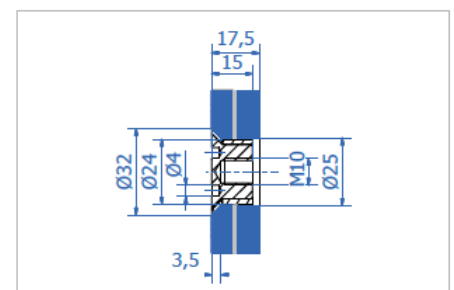
Material: 316
POM gaskets

Glass thickness: 8 + 8

Bolt: M10 (not supplied)

Suitable spanner: Fork spanner KP99.03

KP.STR17



Glass pane connectors

Ø30 connector glass-glass, 180°

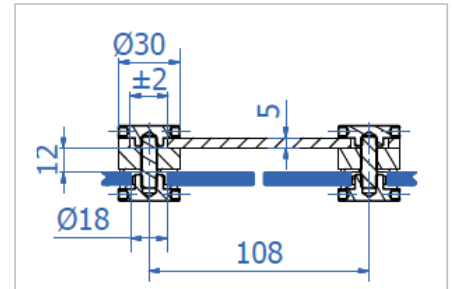
KP90.11



Material: 304
PVC gaskets

Glass thickness: To be specified when submitting the order

Suitable spanner: Hook spanner KP99.01



Ø30 connector glass-glass, 90°

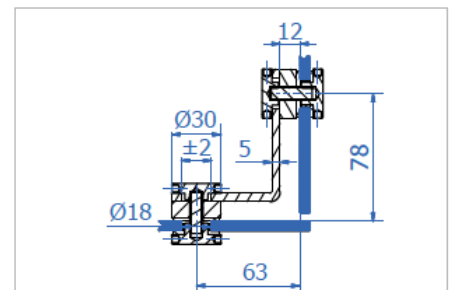
KP90.12



Material: 304
PVC gaskets

Glass thickness: To be specified when submitting the order

Suitable spanner: Hook spanner KP99.01



Ø30 connector glass-wall, 90°

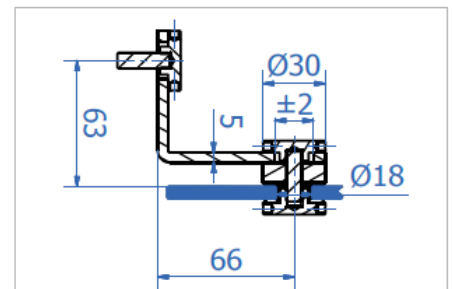
KP90.13



Material: 304
PVC gaskets

Glass thickness: To be specified when submitting the order

Suitable spanner: Hook spanner KP99.01



Ø45 connector glass-glass, 180°

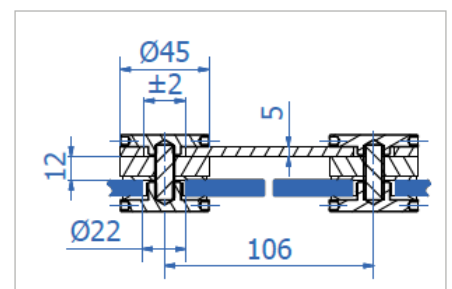
KP90.21



Material: 304
PVC gaskets

Glass thickness: To be specified when submitting the order

Suitable spanner: Hook spanner KP99.02



Glass pane connectors

Ø45 connector glass-glass, 90°

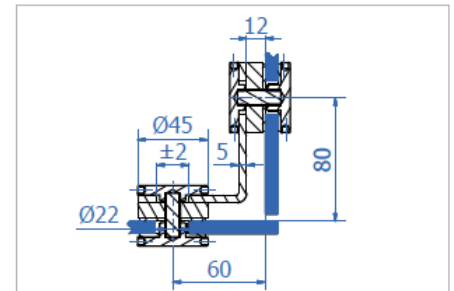
KP90.22



Material: 304
PVC gaskets

Glass thickness: To be specified when submitting the order

Suitable spanner: Hook spanner KP99.02



Ø45 connector glass-wall, 90°

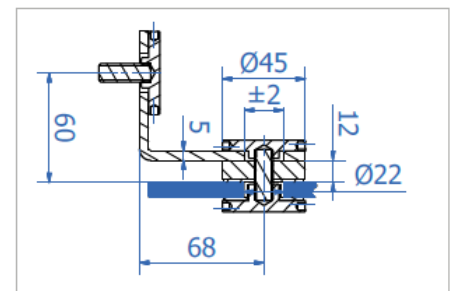
KP90.23



Material: 304
PVC gaskets

Glass thickness: To be specified when submitting the order

Suitable spanner: Hook spanner KP99.02



Ø45 spider connector

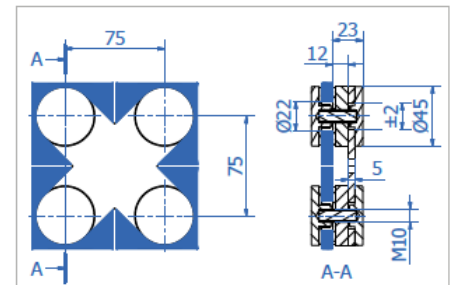
KP90.24



Material: 304
PVC gaskets

Glass thickness: To be specified when submitting the order

Suitable spanner: Hook spanner KP99.02



Spanners for point fixings

- | | | |
|---|--|---------|
| 1 | Hook spanner for point fixings, Ø20-35 | KP99.01 |
| 2 | Hook spanner for point fixings, Ø35-60 | KP99.02 |
| 3 | Fork spanner for point fixings | KP99.03 |



KP99.01



KP99.02



KP99.03

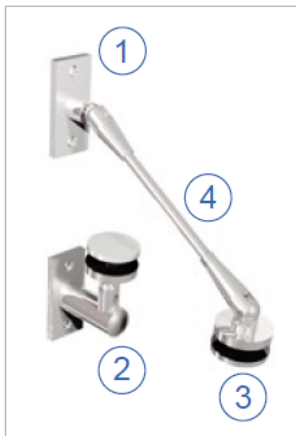
Glass canopy system RC

Aesthetic and durable glass canopy



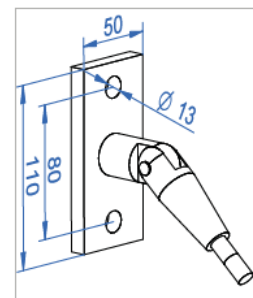
- The load-bearing capacity of the system meets the requirements of the Nordic climate.
- The system can be adjusted to the roofs with custom measures.
- Can be used with heat strengthened laminated safety glass.
- Glass thicknesses: 88.4 (17.5 mm), 1010.4 (21.5 mm), 1212.4 (24.5 mm).
- Standard depths of the glass from the wall 800-2000 mm.
- All elements are machine-processed.
- The material used is stainless steel 316 (EN 1.4404)

RC1 – For attaching the glass on the wall



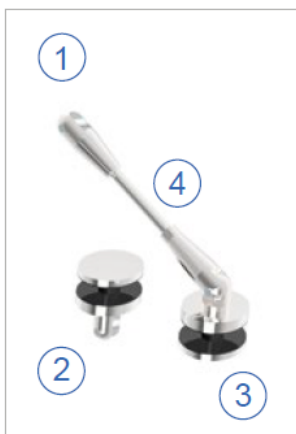
System components:

- 1 x upper wall fastener
- 1 x lower wall fastener
- 2 x glass point-fixing system
- 1 x tension rod (lengths as per the type)



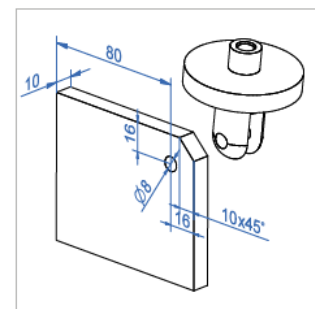
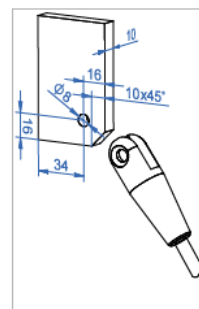
For fastening on the wall M12 A4 bolts are used.

RC2 – For attaching the glass on the mounting plates



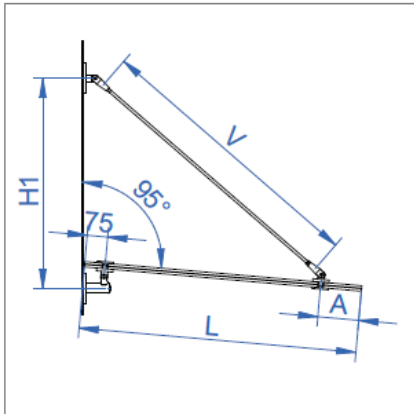
System components:

- 1 x upper fastening yoke
- 1 x lower fastening yoke
- 2 x glass point-fixing system
- 1 x tension rod (lengths according to the type)



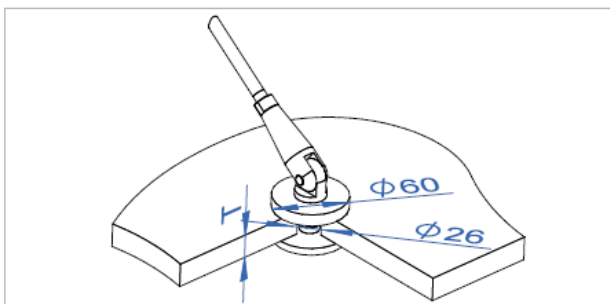
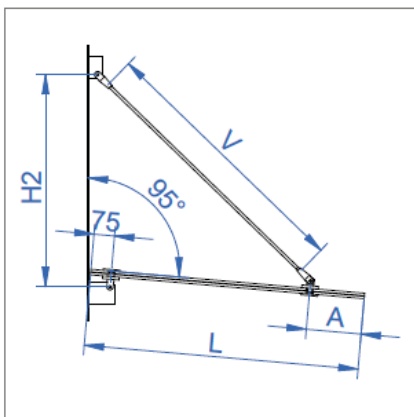
The system is attached to the plates with M8 bolts (included in the set)

System dimensions RC1

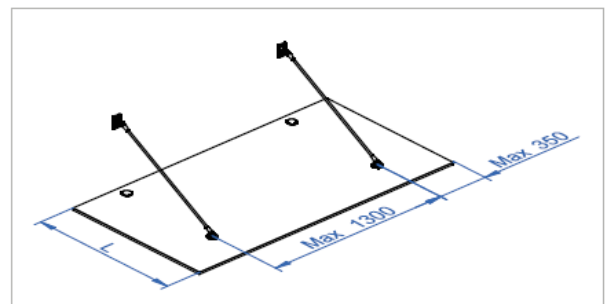


L, mm	H1 (RC1)	V	A	H2 (RC2)	T min
800	660	745	200	610	8+8
900	530	745	200	480	8+8
1000	790	995	200	750	8+8
1100	790	995	300	750	8+8
1200	670	995	300	620	8+8
1300	1240	1475	300	1200	8+8
1400	1140	1475	300	1100	8+8
1500	1040	1475	300	990	10+10
1600	970	1475	350	920	10+10
1700	1570	1975	350	1530	10+10
1800	1470	1975	350	1430	10+10
1900	1360	1975	350	1320	10+10
2000	1240	1975	350	1190	10+10

System dimensions RC2



Opening in the glass



Max. pitch of holders

Glass canopy system RC

RC3 – Bottom-supported glass canopy system



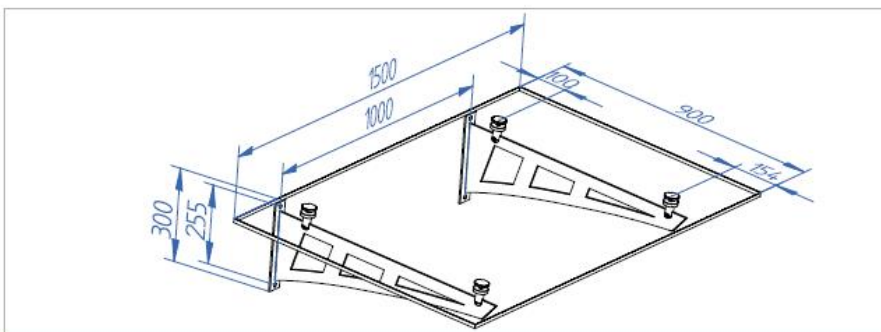
RC3 is meant to be used with smaller glass canopies in places where it is not possible to use tension rods.



For fastening on the wall M12 A4 bolts are used. Recommended glass: 66.4 tempered/laminated

System components:

- 1 1 x lower glass holder
- 2 2 x glass point-fixing system



Max. pitch of holders for RC3 glass canopy is 1000 mm. Standard glass dimensions 1500 x 900 mm



Opening in the glass

Tension rod system TR

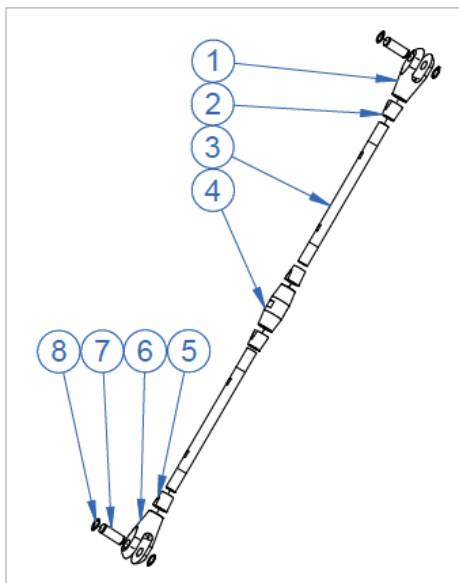
Aesthetical and safe solution



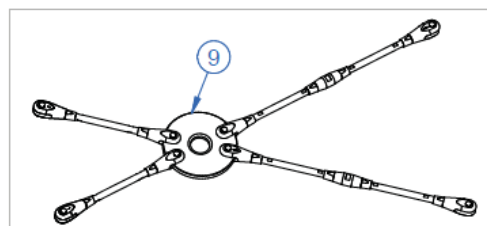
- CE-certified
- Material: stainless steel 304 (EN 1.4301) or 316 (EN 1.4404)
- Aesthetic design
- 100% CNC-machined
- Rod diameter: M6–M36
- Load-bearing capacity: 6,3 – 262 kN
- Can be installed with standard tools
- Compression rods available



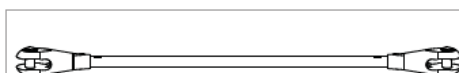
System components



- 1 End-fork, right-hand thread
- 2 Locknut, right-hand thread
- 3 Tension rod
- 4 Connection sleeve
- 5 Locknut, left-hand thread
- 6 End-fork, left-hand thread
- 7 Shear pin
- 8 Locking ring
- 9 Anchor plate



Standard systems



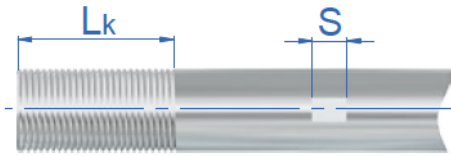
1 System with one rod – TR1



2 System with a connection sleeve and two rods – TR2

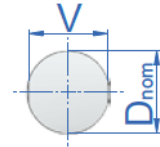
Tension rod system TR

Rods and load-bearing capacity

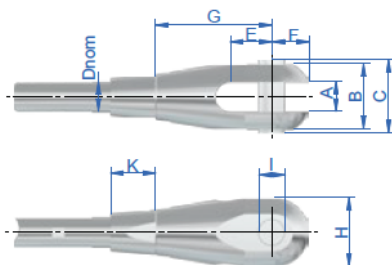


Dnom	6	8	10	12	16	20	24	27	30	36
F	6.3	11.5	18	26	50	78	112	147	179	262
Lk	20	22	29	37	43	52	63	70	74	88
S	10	10	10	10	16	16	16	20	20	20
V	5	7	9	10	14	18	21	24	27	32

F – system bearing capacity (kN)

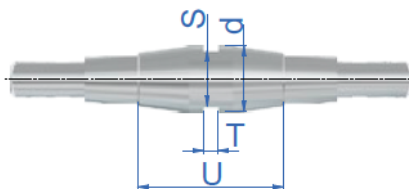


End forks



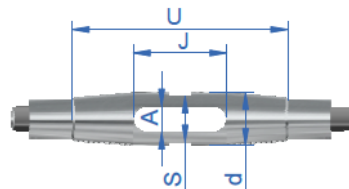
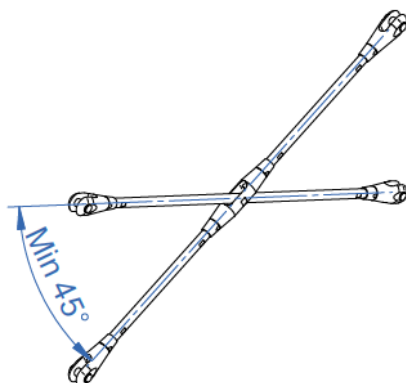
Dnom	6	8	10	12	16	20	24	27	30	36
A	6	8	10	12	16	20	22	25	30	32
B	14	20	26	30	36	42	52	56	64	84
C	19	26	32	36	42	48	58	62	71	91
E	9	12	15	18	24	29	35	39	43	50
F	8	11	14	17.5	22.5	27.5	30	32.5	35	44
G	30	34	42	51	63	79	94	107	112	132
H	15.5	20.5	26	33	42	51	55	59	63	84
I	5	7	9	12	14	18	21	24	26	30
K	13	13	18	23	25	30	36	40	41	48

Connection sleeve



Dnom	6	8	10	12	16	20	24	27	30	36
U	37	39	51	62	75	100	106	119	122	141
d	14	16	18	20	28	35	45	45	55	65
S	13	14	17	17	24	32	38	41	50	54
T	10	10	10	10	16	16	16	20	20	20

Cross coupler



Dnom	6	8	10	12	16	20	24	27	30	36
U	67	75	90	108	132	161	195	216	225	271
d	18	20	22	25	35	45	55	60	60	75
S	14	17	19	22	29	41	46	50	54	65
J	29	33	39	45	61	77	93	104	107	131
A	7	9	11	13	17	21	25	29	31	37

Tension rod system TR

TR1 system length



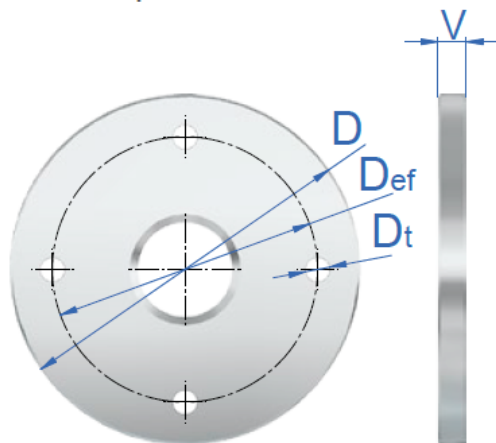
Dnom	6	8	10	12	16	20	24	27	30	36
Nmin	126	134	166	202	242	290	340	386	398	460
P	10	10	13	17	17	20	24	26	26	30

TR2 system length



Dnom	6	8	10	12	16	20	24	27	30	36
Nmin	229	239	299	364	433	522	598	677	694	797
P	20	20	26	34	34	40	48	52	52	60

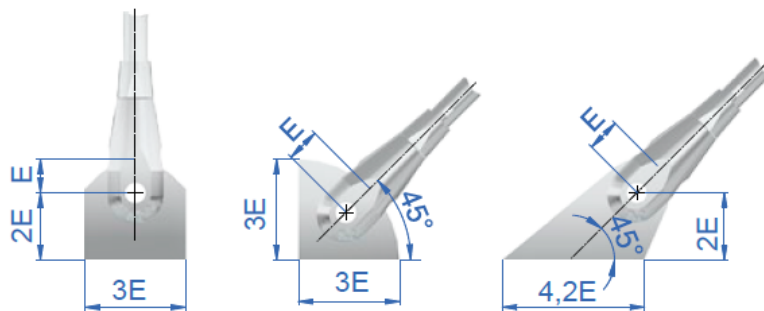
Anchor plates



Dnom	6	8	10	12	16	20	24	27	30	36
D	72	96	120	138	184	234	274	308	338	408
Def	56	74	92	104	138	178	206	232	254	310
Dt	5.2	7.2	9.2	12.2	14.2	18.2	21.2	24.2	26.2	30.2
E	9	12	15	18	24	29	35	39	43	50
V*	6	8	10	12	16	20	22	25	30	32

Minimum angle between holes 45°; max. 8 holes on a disc

* Includes the thickness of the paint coating



The strength of the anchor plates corresponds to grade S355 steel