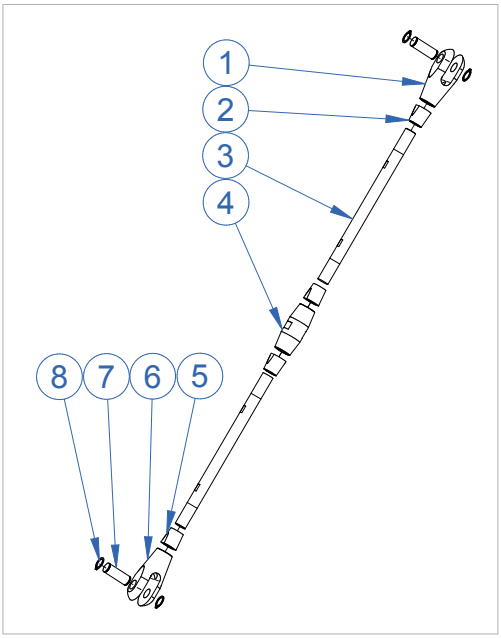
Tension rod system TR

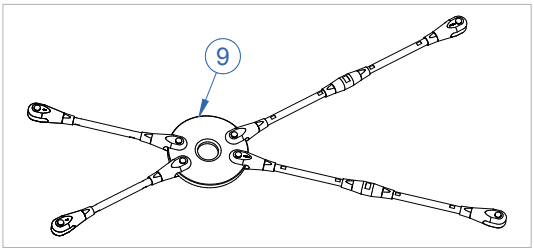
Aesthetical and safe solution

- CE-certified CE
- 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

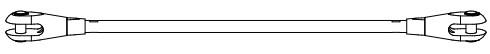
System components



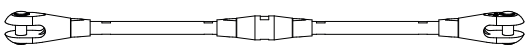
1	End-fork, right-hand thread
2	Locknut, right-hand thread
3	Tension rod
4	Connection sleeve
5	Locknut, left-hand thread
6	End-fork, left-hand thread
7	Shear pin
8	Locking ring
9	Anchor plate



Standard systems

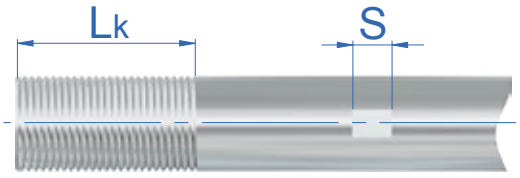


1 System with one rod – TR1



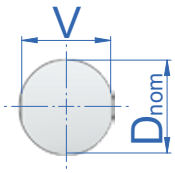
2 System with a connection sleeve and two rods – TR2

Rods and load-bearing capacity

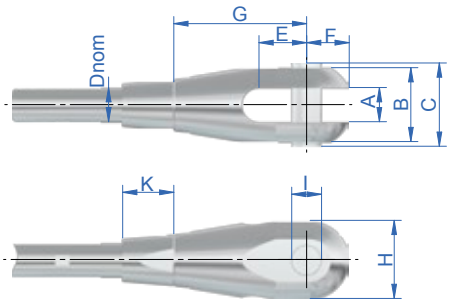


Dnom	6	8	10	12	16	20	24	27	30	36
F	6.3	11.5	18	26	50	78	112	147	179	262
Lk	20	22	29	37	43	52	63	70	74	88
S	10	10	10	10	16	16	16	20	20	20
V	5	7	9	10	14	18	21	24	27	32

F – system bearing capacity (kN)

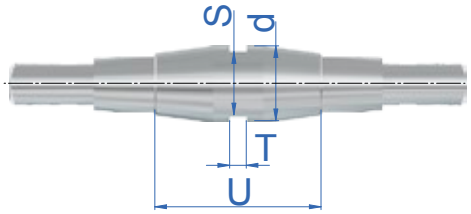


End forks



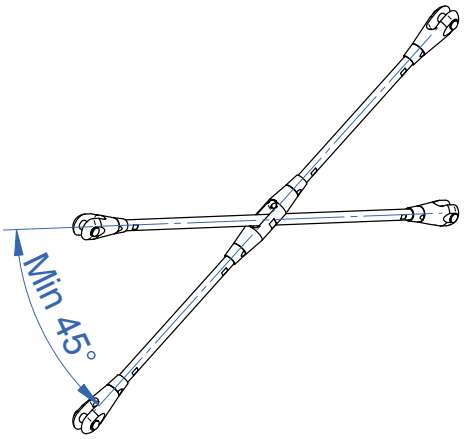
Dnom	6	8	10	12	16	20	24	27	30	36
A	6	8	10	12	16	20	22	25	30	32
B	14	20	26	30	36	42	52	56	64	84
C	19	26	32	36	42	48	58	62	71	91
E	9	12	15	18	24	29	35	39	43	50
F	8	11	14	17.5	22.5	27.5	30	32.5	35	44
G	30	34	42	51	63	79	94	107	112	132
H	15.5	20.5	26	33	42	51	55	59	63	84
I	5	7	9	12	14	18	21	24	26	30
K	13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

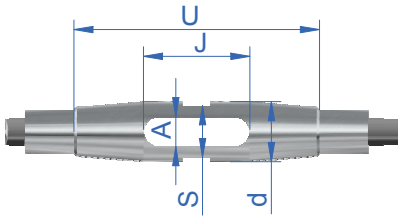
Connection sleeve



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

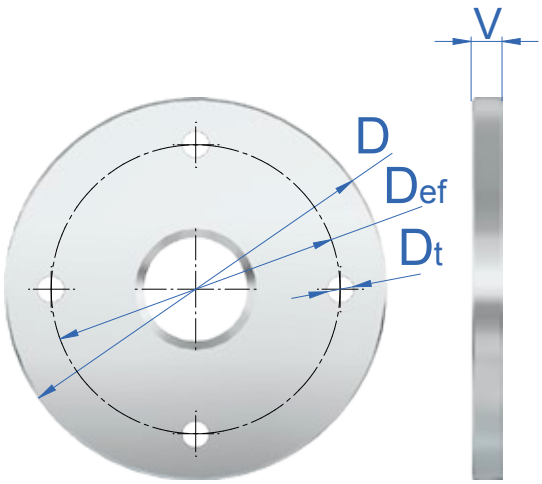
TR1 system length

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

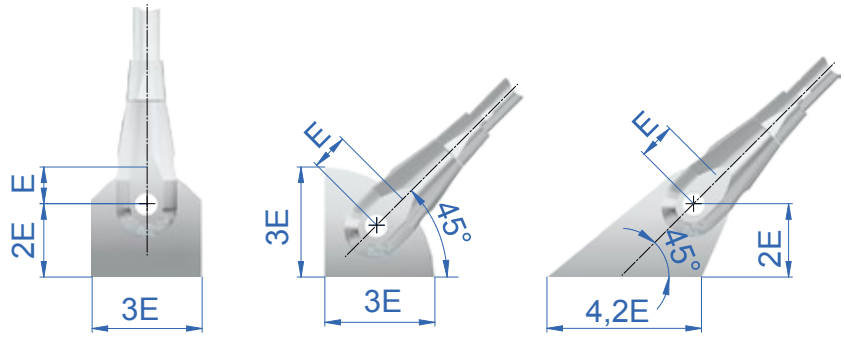
Anchor plates



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

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