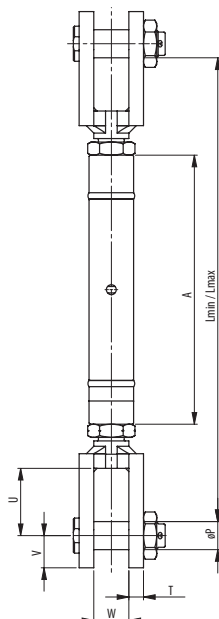
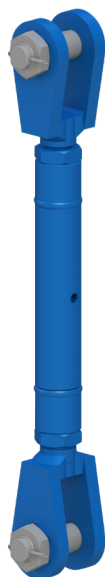


TURNBUCKLES WITH TRAPEZOID THREAD; JAW - JAW

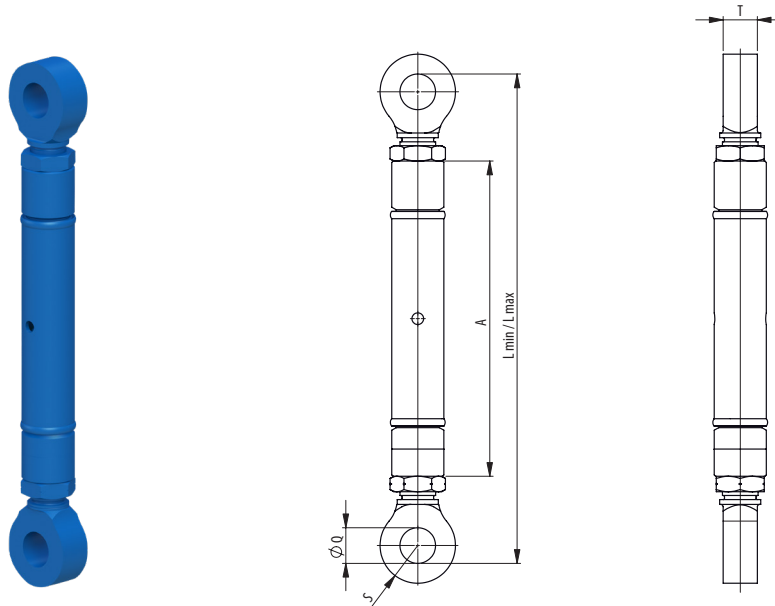


Model Nr.	WLL (Mtons)	L min (mm)	L max (mm)	Take-up (mm)	Thread (trap.)	Dimensions (mm)						Weight (kg)
						A	øP	U	V	W	T	
SPS TR.22.188.1,6-J-J	1,6	398	565	167	22 x 5	240	20	55	22,5	23	11	3
SPS TR.24.200.2-J-J	2	422	603	181	24 x 5	260	22	58	25	26	12	4
SPS TR.28.206.2,5-J-J	2,5	512	727	215	28 x 5	280	24	73	27,5	30	12	6
SPS TR.30.228.3,1-J-J	3,1	543	768	225	30 x 6	300	27	80	30	32	15	9
SPS TR.32.241.4-J-J	4	584	816	232	32 x 6	320	30	86	32,5	35	15	10
SPS TR.36.240.5-J-J	5	612	854	242	36 x 6	340	36	93	37,5	40	20	15
SPS TR.44.263.6,3-J-J	6,3	701	971	270	44 x 7	380	39	108	42,5	45	20	20
SPS TR.48.297.8-J-J	8	755	1051	296	48 x 8	420	45	112	47,5	50	25	28
SPS TR.52.309.10-J-J	10	798	1104	306	52 x 8	460	48	115	55	60	25	35
SPS TR.55.340.12,6-J-J	12,6	862	1214	352	55 x 9	500	52	122	60	65	30	47
SPS TR.65.354.16-J-J	16	944	1310	366	65 x 10	540	60	130	65	70	30	62
SPS TR.70.382.20-J-J	20	1042	1422	380	70 x 10	580	68	145	70	75	35	85
SPS TR.75.404.25-J-J	25	1126	1528	402	75 x 10	620	72	160	75	80	35	100
SPS TR.80.430.31,5-J-J	31,5	1192	1630	438	80 x 10	660	80	170	85	90	40	130
SPS TR.90.495.40-J-J	40	1280	1744	464	90 x 10	695	90	190	92	100	45	175
SPS TR.100.550.50-J-J	50	1390	1910	520	100 x 10	770	100	205	105	110	50	236
SPS TR.110.605.63-J-J	63	1526	2090	564	110 x 10	855	110	220	112	120	60	325
SPS TR.120.660.80-J-J	80	1653	2283	630	120 x 10	920	125	235	127	140	70	452
SPS TR.130.715.100-J-J	100	1748	2468	720	130 x 10	995	140	250	142	156	70	577
SPS TR.140.770.125-J-J	125	1900	2652	752	140 x 10	1070	160	270	162	176	80	811
SPS TR.160.880.160-J-J	160	2090	2970	880	160 x 10	1220	180	290	182	200	90	1120

Minimum Ultimate Strength = 5 x WLL

- Standard painted blue, but can be supplied in any color or galvanized.
- Available in all combinations of eyes, stud eyes and welding ends.
- Factory supplied with lock nuts.
- Lock plates or special locking devices possible.
- Can be supplied with turning wheel or ratchet.
- Other sizes possible.
- Straight or in-line pull only.

TURNBUCKLES WITH TRAPEZOID THREAD; STUD EYE - STUD EYE

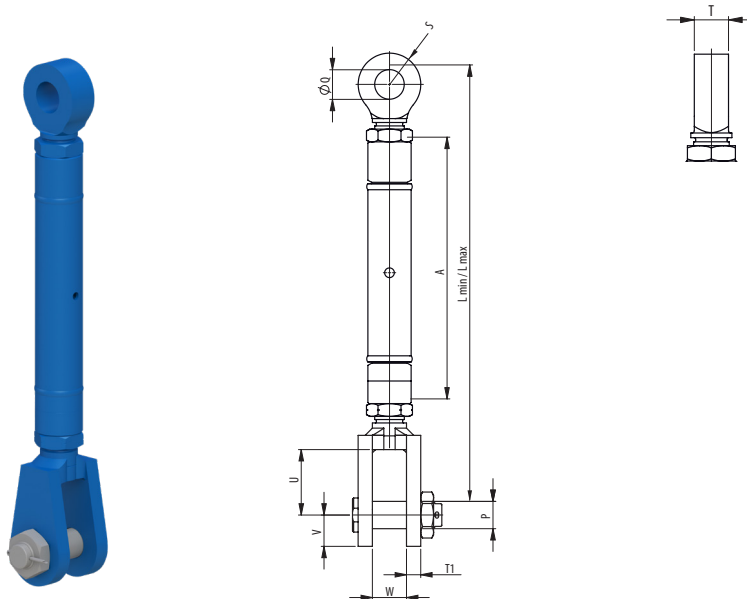


Model Nr.	WLL (Mtons)	L min (mm)	L max (mm)	Take-up (mm)	Thread (trap.)	Dimensions (mm)				Weight (kg)
						A	ØQ	S	T	
SPS TR.22.188.1,6.E-E	1,6	349	516	167	22 x 5	240	23	22,5	20	2
SPS TR.24.200.2.E-E	2	377	558	181	24 x 5	260	25	25	22	3
SPS TR.28.206.2,5.E-E	2,5	411	626	215	28 x 5	280	27	27,5	25	5
SPS TR.30.228.3,1.E-E	3,1	455	680	225	30 x 6	300	30	30	28	5
SPS TR.32.241.4.E-E	4	474	706	232	32 x 6	320	33	32,5	30	6
SPS TR.36.240.5.E-E	5	536	778	242	36 x 6	340	39	37,5	35	11
SPS TR.44.263.6,3.E-E	6,3	579	849	270	44 x 7	380	42	42,5	40	12
SPS TR.48.297.8.E-E	8	657	953	296	48 x 8	420	48	47,5	45	16
SPS TR.52.309.10.E-E	10	714	1020	306	52 x 8	460	52	55	50	23
SPS TR.55.340.12,6.E-E	12,6	762	1114	352	55 x 9	500	56	60	55	40
SPS TR.65.354.16.E-E	16	860	1226	366	65 x 10	540	65	65	60	55
SPS TR.70.382.20.E-E	20	904	1284	380	70 x 10	580	74	70	65	69
SPS TR.75.404.25.E-E	25	972	1374	402	75 x 10	620	78	75	70	62
SPS TR.80.430.31,5.E-E	31,5	1038	1476	438	80 x 10	660	86	85	80	78
SPS TR.90.495.40.E-E	40	1186	1650	464	90 x 10	695	96	95	90	136
SPS TR.100.550.50.E-E	50	1286	1806	520	100 x 10	770	106	105	100	160
SPS TR.110.605.63.E-E	63	1406	1970	564	110 x 10	845	116	115	110	220
SPS TR.120.660.80.E-E	80	1541	2171	630	120 x 10	920	131	135	125	280
SPS TR.130.715.100.E-E	100	1662	2382	720	130 x 10	995	146	148	140	370
SPS TR.140.770.125.E-E	125	1804	2556	752	140 x 10	1070	168	168	160	500
SPS TR.160.880.160.E-E	160	2028	2908	880	160 x 10	1220	188	190	180	725

Minimum Ultimate Strength = 5 x WLL

- Standard painted blue, but can be supplied in any color or galvanized.
- Available in all combinations of eyes, stud eyes and welding ends.
- Factory supplied with lock nuts.
- Lock plates or special locking devices possible.
- Can be supplied with turning wheel or ratchet.
- Other sizes possible.
- Straight or in-line pull only.

TURNBUCKLES WITH TRAPEZOID THREAD; JAW - STUD EYE

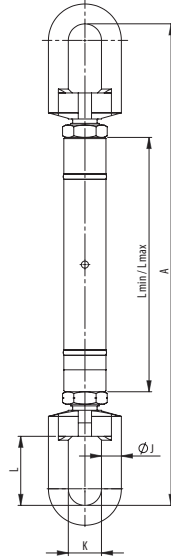


Model Nr.	WLL (Mtons)	L min (mm)	L max (mm)	Take-up (mm)	Thread (trap.)	Dimensions (mm)									Weight (kg)
						A	øP	øQ	S	T	T1	U	V	W	
SPS TR.22.188.1,6.J-E	1,6	367	534	167	22 x 5	240	20	23	22,5	20	11	55	22	23	2
SPS TR.24.200.2.J-E	2	395	576	181	24 x 5	260	22	25	25	22	12	58	25	26	3
SPS TR.28.206.2,5.J-E	2,5	459	674	215	28 x 5	280	24	27	27,5	25	12	73	27	30	5
SPS TR.30.228.3,1.J-E	3,1	499	724	225	30 x 6	300	27	30	30	28	15	80	30	32	7
SPS TR.32.241.4.J-E	4	529	761	232	32 x 6	320	30	33	32,5	30	15	86	32	35	8
SPS TR.36.240.5.J-E	5	574	816	242	36 x 6	340	36	39	37,5	35	20	93	37	40	12
SPS TR.44.263.6,3.J-E	6,3	640	910	270	44 x 7	380	39	42	42,5	40	20	108	42	45	16
SPS TR.48.297.8.J-E	8	706	1002	296	48 x 8	420	45	48	47,5	45	25	112	47	50	22
SPS TR.52.309.10.J-E	10	756	1062	306	52 x 8	460	48	52	55	50	25	115	55	60	29
SPS TR.55.340.12,6.J-E	12,6	812	1164	352	55 x 9	500	52	56	60	55	30	122	60	65	44
SPS TR.65.354.16.J-E	16	902	1268	366	65 x 10	540	60	65	65	60	30	130	65	70	51
SPS TR.70.382.20.J-E	20	957	1337	380	70 x 10	580	68	74	70	65	35	145	70	75	74
SPS TR.75.404.25.J-E	25	1049	1451	402	75 x 10	620	72	78	75	70	35	160	75	80	81
SPS TR.80.430.31,5.J-E	31,5	1115	1553	438	80 x 10	660	80	86	85	80	40	170	85	90	104
SPS TR.90.495.40.J-E	40	1230	1694	464	90 x 10	695	90	96	95	90	45	190	92	100	156
SPS TR.100.550.50.J-E	50	1335	1855	520	100 x 10	770	100	106	105	100	50	205	105	110	200
SPS TR.110.605.63.J-E	63	1463	2027	564	110 x 10	855	110	116	115	110	60	220	112	120	290
SPS TR.120.660.80.J-E	80	1594	2224	630	120 x 10	920	125	131	135	125	70	235	127	140	350
SPS TR.130.715.100.J-E	100	1702	2422	720	130 x 10	995	140	146	148	140	70	250	142	156	440
SPS TR.140.770.125.J-E	125	1838	2590	752	140 x 10	1070	160	168	168	160	80	270	162	176	660
SPS TR.160.880.160.J-E	160	2056	2936	880	160 x 10	1220	180	188	190	180	90	290	182	200	925

Minimum Ultimate Strength = 5 x WLL

- Standard painted blue, but can be supplied in any color or galvanized.
- Available in all combinations of eyes, stud eyes and welding ends.
- Factory supplied with lock nuts.
- Lock plates or special locking devices possible.
- Can be supplied with turning wheel or ratchet.
- Other sizes possible.
- Straight or in-line pull only.

TURNBUCKLES WITH TRAPEZOID THREAD; OBLONG EYE - OBLONG EYE

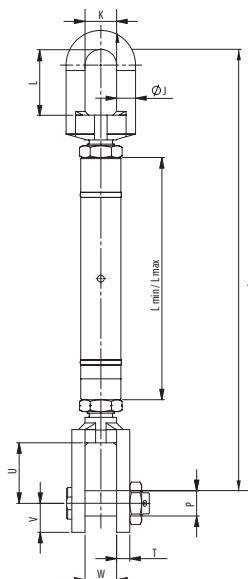
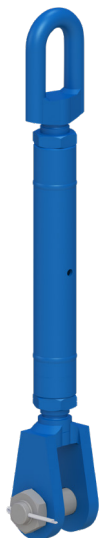


Model Nr.	WLL (Mtons)	L min (mm)	L max (mm)	Take-up (mm)	Thread (trap.)	Dimensions (mm)				Weight (kg)
						A	øJ	K	L	
SPS TR.22.188.1,6.O-O	1,6	450	617	167	22 x 5	240	16	26	58	2
SPS TR.24.200.2.O-O	2	470	651	181	24 x 5	260	16	26	58	3
SPS TR.28.206.2,5.O-O	2,5	534	749	215	28 x 5	280	20	32	72	5
SPS TR.30.228.3,1.O-O	3,1	554	779	225	30 x 6	300	20	32	72	6
SPS TR.32.241.4.O-O	4	630	862	232	32 x 6	320	25	40	94	8
SPS TR.36.240.5.O-O	5	658	900	242	36 x 6	340	25	40	94	13
SPS TR.44.263.6,3.O-O	6,3	753	1023	270	44 x 7	380	30	45	108	19
SPS TR.48.297.8.O-O	8	813	1109	296	48 x 8	420	32	50	115	27
SPS TR.52.309.10.O-O	10	866	1172	306	52 x 8	460	36	60	125	25
SPS TR.55.340.12,6.O-O	12,6	988	1340	352	55 x 9	500	40	65	144	46
SPS TR.65.354.16.O-O	16	1070	1436	366	65 x 10	540	45	70	163	48
SPS TR.70.382.20.O-O	20	1156	1536	380	70 x 10	580	55	75	168	65
SPS TR.75.404.25.O-O	25	1270	1672	402	75 x 10	620	60	80	192	90
SPS TR.80.430.31,5.O-O	31,5	1358	1796	438	80 x 10	660	60	90	216	94

Minimum Ultimate Strength = 5 x WLL

- Standard painted blue, but can be supplied in any color or galvanized.
- Available in all combinations of eyes, stud eyes and welding ends.
- Factory supplied with lock nuts.
- Lock plates or special locking devices possible.
- Can be supplied with turning wheel or ratchet.
- Other sizes possible.
- Straight or in-line pull only.

TURNBUCKLES WITH TRAPEZOID THREAD; JAW - OBLONG EYE

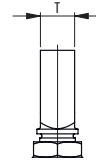
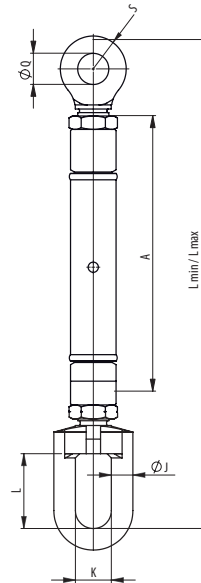


Model Nr.	WLL (Mtons)	L min (mm)	L max (mm)	Take-up (mm)	Thread (trap.)	Dimensions (mm)									Weight (kg)
						A	J	K	L	øP	T	U	V	W	
SPS TR.22.188.1,6-J-O	1,6	417	584	167	22 x 5	240	16	26	58	20	11	55	22,5	23	3
SPS TR.24.200.2-J-O	2	441	622	181	24 x 5	260	16	26	58	22	12	58	25	26	4
SPS TR.28.206.2,5-J-O	2,5	523	738	215	28 x 5	280	20	32	72	24	12	73	27,5	30	6
SPS TR.30.228.3,1-J-O	3,1	549	774	225	30 x 6	300	20	32	72	27	15	80	30	32	7
SPS TR.32.241.4-J-O	4	607	839	232	32 x 6	320	25	40	94	30	15	86	32,5	35	9
SPS TR.36.240.5-J-O	5	634	876	242	36 x 6	340	25	40	94	36	20	93	37,5	40	14
SPS TR.44.263.6,3-J-O	6,3	724	994	270	44 x 7	380	30	45	108	39	20	108	42,5	45	20
SPS TR.48.297.8-J-O	8	778	1074	296	48 x 8	420	32	50	115	45	25	112	47,5	50	29
SPS TR.52.309.10-J-O	10	832	1138	306	52 x 8	460	36	60	125	48	25	115	55	60	30
SPS TR.55.340.12,6-J-O	12,6	925	1277	352	55 x 9	500	40	65	144	52	30	122	60	65	48
SPS TR.65.354.16-J-O	16	1007	1373	366	65 x 10	540	45	70	163	60	30	130	65	70	55
SPS TR.70.382.20-J-O	20	1099	1479	380	70 x 10	580	55	75	168	68	35	145	70	75	75
SPS TR.75.404.25-J-O	25	1177	1579	402	75 x 10	620	60	80	192	72	35	160	75	80	94
SPS TR.80.430.31,5-J-O	31,5	1275	1713	438	80 x 10	660	60	90	216	80	40	170	85	90	112

Minimum Ultimate Strength = 5 x WLL

- Standard painted blue, but can be supplied in any color or galvanized.
- Available in all combinations of eyes, stud eyes and welding ends.
- Factory supplied with lock nuts.
- Lock plates or special locking devices possible.
- Can be supplied with turning wheel or ratchet.
- Other sizes possible.
- Straight or in-line pull only.

TURNBUCKLES WITH TRAPEZOID THREAD; OBLONG EYE - STUD EYE



Model Nr.	WLL (Mtons)	L min (mm)	L max (mm)	Take-up (mm)	Thread (trap.)	Dimensions (mm)							Weight (kg)
						A	ØJ	K	L	ØQ	S	T	
SPS TR.22.188.1,6.O-E	1,6	400	567	167	22 x 5	240	16	26	58	23	22,5	20	2
SPS TR.24.200.2.O-E	2	424	605	181	24 x 5	260	16	26	58	25	25	22	3
SPS TR.28.206.2,5.O-E	2,5	475	690	215	28 x 5	280	20	32	72	27	27,5	25	5
SPS TR.30.228.3,1.O-E	3,1	505	730	225	30 x 6	300	20	32	72	30	30	28	6
SPS TR.32.241.4.O-E	4	552	784	232	32 x 6	320	25	40	94	33	32,5	30	7
SPS TR.36.240.5.O-E	5	585	827	242	36 x 6	340	25	40	94	39	37,5	35	12
SPS TR.44.263.6,3.O-E	6,3	665	935	270	44 x 7	380	30	45	108	42	42,5	40	17
SPS TR.48.297.8.O-E	8	724	1020	296	48 x 8	420	32	50	115	48	47,5	45	25
SPS TR.52.309.10.O-E	10	790	1096	306	52 x 8	460	36	60	125	52	55	50	24
SPS TR.55.340.12,6.O-E	12,6	875	1227	352	55 x 9	500	40	65	144	56	60	55	42
SPS TR.65.354.16.O-E	16	965	1331	366	65 x 10	540	45	70	163	65	65	60	44
SPS TR.70.382.20.O-E	20	1044	1424	380	70 x 10	580	55	75	168	74	70	65	71
SPS TR.75.404.25.O-E	25	1119	1521	402	75 x 10	620	60	80	192	78	75	70	82
SPS TR.80.430.31,5.O-E	31,5	1198	1636	438	80 x 10	660	60	90	216	86	85	80	86

Minimum Ultimate Strength = 5 x WLL

- Standard painted blue, but can be supplied in any color or galvanized.
- Available in all combinations of eyes, stud eyes and welding ends.
- Factory supplied with lock nuts.
- Lock plates or special locking devices possible.
- Can be supplied with turning wheel or ratchet.
- Other sizes possible.
- Straight or in-line pull only.