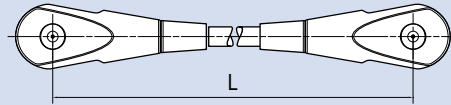


Take ups – System with fork ends on both sides

Tension rod system

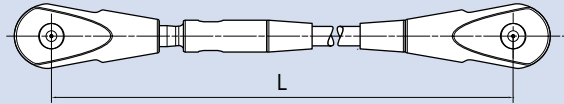
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	256	281	308	342	358	411	462	497	533	602	674	743	768	813	855	901	972	1077	1202	1316	1426	1530
Max. system length	mm	6046	6056	6069	6082	12092	12113	12136	12152	12165	12194	12222	12249	12270	12289	12307	12325	12358	12405	12462	12520	12574	12620
Take up (±)	mm	9	11	14	18	18	23	28	32	35	42	50	57	62	67	71	75	82	95	110	120	130	140

Tension rod system with adapter

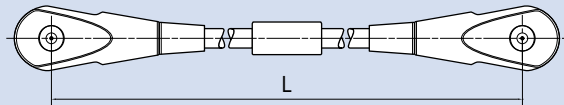
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	298,5	333	371	417	437,5	511,5	582	630	682,5	767	867	962,5	1004	1067,5	1119,5	1189,5	1296	1443,5	1613	1766	1906	2050
Max. system length	mm	6088,5	6108	6132	6157	12171,5	12213,5	12256	12285	12314,5	12359	12415	12468,5	12506	12543,5	12571,5	12613,5	12682	12771,5	12873	12970	13054	13140
Take up (±)	mm	13,5	16,5	21	27	27	34,5	42	48	52,5	63	75	85,5	93	100,5	106,5	112,5	123	142,5	165	180	195	210

Tension rod system with connector

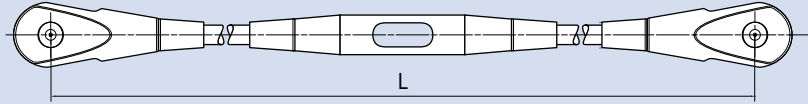
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	466	506	547	602	624	709	788	842	901	1010	1126	1237	1266	1337	1403	1477	1586	1749	1942	2112	2278	2440
Max. system length	mm	12046	12056	12069	12082	24092	24113	24136	24152	24165	24194	24222	24249	24270	24289	24307	24325	24358	24405	24462	24520	24574	24620
Take up (±)	mm	9	11	14	18	18	23	28	32	35	42	50	57	62	67	71	75	82	95	110	120	130	140

Tension rod system with intersection coupler

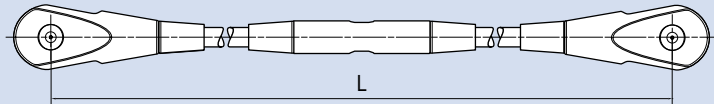
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	517	568	621	687	718	825	925	997	1072	1188	1335	1475	1526	1619	1706	1793	1930	2146	2392	2610	2824	3035
Max. system length	mm	12097	12118	12143	12167	24186	24229	24273	24307	24336	24372	24431	24487	24530	24571	24610	24641	24702	24802	24912	25018	25120	25215
Take up (±)	mm	18	22	28	36	36	46	56	64	70	84	100	114	124	134	142	150	164	190	220	240	260	280

Tension rod system with coupler

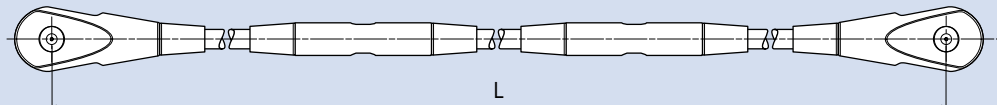
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	487	530	575	630	660	751	837	897	968	1088	1215	1338	1332	1410	1480	1557	1674	1850	2058	2238	2414	2586
Max. system length	mm	12067	12080	12097	12110	24128	24155	24185	24207	24232	24272	24311	24350	24336	24362	24384	24405	24446	24506	24578	24646	24710	24766
Take up (±)	mm	18	22	28	36	36	46	56	64	70	84	100	114	124	134	142	150	164	190	220	240	260	280

Tension rod system with two couplers

L = system length ± take up

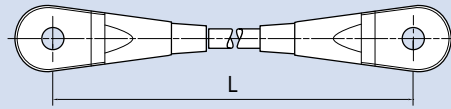


System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	718	779	842	918	962	1091	1212	1297	1403	1574	1756	1933	1896	2007	2105	2213	2376	2623	2914	3160	3402	3642
Max. system length	mm	18088	18104	18125	18138	36164	36197	36234	36262	36299	36350	36400	36451	36402	36435	36461	36485	36534	36607	36694	36772	36846	36912
Take up (±)	mm	27	33	42	54	54	69	84	96	105	126	150	171	186	201	213	225	246	285	330	360	390	420

Take ups – System with spade ends on both sides

Tension rod system

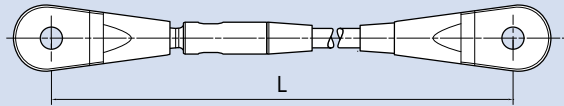
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	270	299	328	368	384	445	504	547	585	664	752	829	864	919	957	1015	1094	1209	1353	1488	1598	1730
Max. system length	mm	6060	6074	6089	6108	12118	12147	12178	12202	12217	12256	12300	12335	12366	12395	12409	12439	12480	12537	12613	12692	12746	12820
Take up (±)	mm	9	11	14	18	18	23	28	32	35	42	50	57	62	67	71	75	82	95	110	120	130	140

Tension rod system with adapter

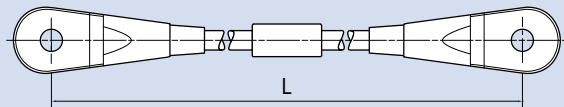
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	312,5	351	391	443	463,5	545,5	624	680	734,5	829	945	1048,5	1100	1173,5	1221,5	1303,5	1418	1575,5	1764	1938	2078	2250
Max. system length	mm	6102,5	6126	6152	6183	12197,5	12247,5	12298	12335	12366,5	12421	12493	12554,5	12602	12649,5	12673,5	12727,5	12804	12903,5	13024	13142	13226	13340
Take up (±)	mm	13,5	16,5	21	27	27	34,5	42	48	52,5	63	75	85,5	93	100,5	106,5	112,5	123	142,5	165	180	195	210

Tension rod system with connector

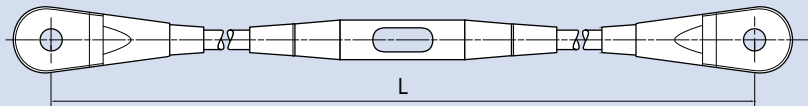
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	480	524	567	628	650	743	830	892	953	1072	1204	1323	1362	1443	1505	1591	1708	1881	2093	2284	2450	2640
Max. system length	mm	12060	12074	12089	12108	24118	24147	24178	24202	24217	24256	24300	24335	24366	24395	24409	24439	24480	24537	24613	24692	24746	24820
Take up (±)	mm	9	11	14	18	18	23	28	32	35	42	50	57	62	67	71	75	82	95	110	120	130	140

Tension rod system with intersection coupler

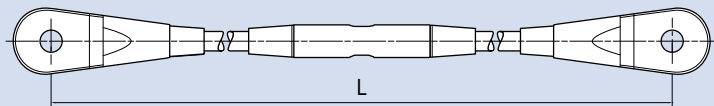
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	531	586	641	713	744	859	967	1047	1124	1250	1413	1561	1622	1725	1808	1907	2052	2278	2543	2782	2996	3235
Max. system length	mm	12111	12136	12163	12193	24212	24263	24315	24357	24388	24434	24509	24573	24626	24677	24712	24755	24824	24934	25063	25190	25292	25415
Take up (±)	mm	18	22	28	36	36	46	56	64	70	84	100	114	124	134	142	150	164	190	220	240	260	280

Tension rod system with coupler

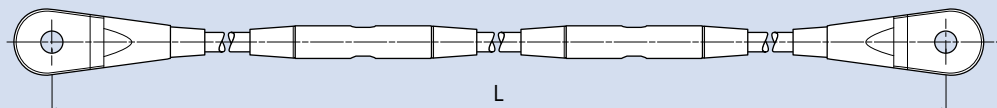
L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	501	548	595	656	686	785	879	947	1020	1150	1293	1424	1428	1516	1582	1671	1796	1982	2209	2410	2586	2786
Max. system length	mm	12081	12098	12117	12136	24154	24189	24227	24257	24284	24334	24389	24436	24432	24468	24486	24519	24568	24638	24729	24818	24882	24966
Take up (±)	mm	18	22	28	36	36	46	56	64	70	84	100	114	124	134	142	150	164	190	220	240	260	280

Tension rod system with two couplers

L = system length ± take up



System size		8	10	12	14	16	20	24	27	30	36	42	48	52	56	60	64	70	80	90	100	110	120
Min. system length	mm	732	797	862	944	988	1125	1254	1347	1455	1636	1834	2019	1992	2113	2207	2327	2498	2755	3065	3332	3574	3842
Max. system length	mm	18102	18122	18145	18164	36190	36231	36276	36312	36351	36412	36478	36537	36498	36541	36563	36599	36656	36739	36845	36944	37018	37112
Take up (±)	mm	27	33	42	54	54	69	84	96	105	126	150	171	186	201	213	225	246	285	330	360	390	420