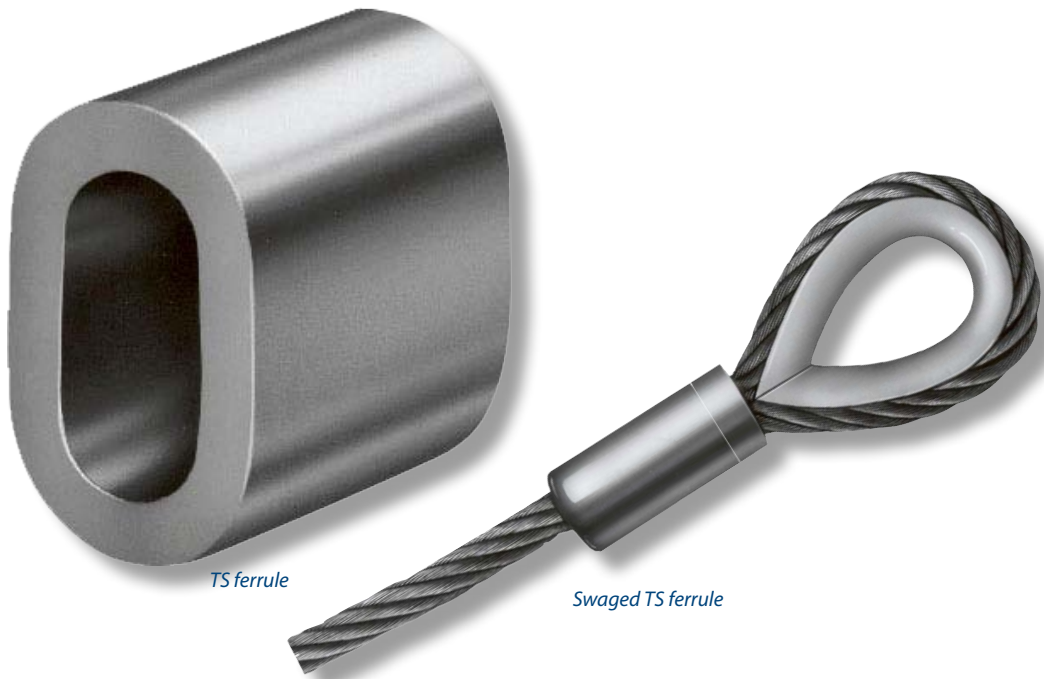


## TURNBACK FERRULES



*TS ferrule*

*Swaged TS ferrule*

### 3.5 TS FERRULE TALURIT™ SYSTEM

#### GENERAL DESCRIPTION

The TS ferrule is the shorter version of the standard T-ferrule.

#### APPLICATIONS

TS-ferrules corresponded to the old British standard, BS 5281. But due to the shorter length of the TS-ferrule, there is a limitation in strength. It is now used less commonly due to the limitations in performance for certain wire rope grades and applications.

#### TO BE NOTED

In low-grade wire rope applications it can be an alternative to the T-ferrule as the cost is lower. The TS ferrule is only tested and verified on strength on wire ropes up to grade 1770.

## TALURIT™ SPLICING SYSTEM

### Selection table for TS ferrules

Ferrule No.	Wire Rope Capacity Diameter (mm)				Die Identification			Length after pressing approx. mm	Required pressure approx. (kN)
	Fill factor (f=0,40-0,50) Fibre Core		Fill factor (f=0,50-0,60) Steel Core		Dies marked	Diameter after pressing (mm) / Tol.			
TS	Min	Max	Min	Max	T				
8	7,5	8,4	6,8	7,7	8	16	+0,3	31	320
9	8,5	9,5	7,8	8,6	9	18	0	35	410
10	9,6	10,5	8,7	9,6	10	20	+0,4	39	500
11	10,6	11,6	9,7	10,5	11	22	0	43	600
12	11,7	12,6	10,6	11,5	12	24		47	720
13	12,7	13,7	11,6	12,5	13	26		51	850
14	13,8	14,7	12,6	13,4	14	28	+0,5	55	1 000
16	14,8	16,8	13,5	15,3	16	32	0	62	1 300
18	16,9	18,9	15,4	17,3	18	36	+0,6	70	1 600
20	19,0	21,0	17,4	19,2	20	40	0	78	2 000
22	21,1	23,1	19,3	21,1	22	44		86	2 400
24	23,2	25,2	21,2	23,0	24	48	+0,8	94	2 900
26	25,3	27,3	23,1	24,9	26	52	0	101	3 400
28	27,4	29,4	25,0	26,8	28	56		109	3 900
30	29,5	31,5	26,9	28,8	30	60	+1,0	117	4 500
32	31,6	33,6	28,9	30,7	32	64	0	125	5 100
34	33,7	35,7	30,8	32,6	34	68		133	5 800
36	35,8	37,8	32,7	34,5	36	72	+1,1	140	6 500
38	37,9	39,9	34,6	36,4	38	76	0	148	7 200
40	40,0	42,0	36,5	38,3	40	80		156	8 000
42	42,1	44,1	38,4	40,3	42	84	+1,3	164	8 800
44	44,2	46,2	40,4	42,2	44	88	0	172	9 700
46	46,3	48,3	42,3	44,1	46	92		179	10 600
48	48,0	50,4	44,0	46,2	48	96		187	11 500
50	48,4	52,5	44,2	47,9	50	100	+1,6	195	12 500
52	52,0	54,6	46,3	47,9	52	104	0	203	13 500
54	52,6	56,7	48,0	51,7	54	108		211	14 600
56	56,0	58,8	50,5	51,9	56	112	+1,7	218	15 700
58	56,8	60,9	51,8	55,6	58	116	0	226	16 800
60	60,6	63,0	54,7	55,9	60	120		234	18 000

Please note that these instructions are only applicable to products produced and supplied by Talurit AB, Sweden and Gerro GmbH, Germany!



TS ferrule (TS)  
Short aluminium ferrule

f = Fill factor, is the ratio between the sum of the nominal metallic cross-sectional areas of all the wires in the rope and the circumscribed area of the rope based on its nominal diameter.

C = Nominal metallic cross-sectional area factor of the rope.

$$C = \frac{f \cdot \pi}{4}$$

**TS ferrules:** The TS ferrules have been validated according to TALURIT™ splicing system requirements. Since it is shorter than ordinary T-ferrule, it only fulfills the requirements in the European standard EN 13411-3 up to grade 1 770.

**Wire rope:** Above table applies to bright or galvanized steel wire ropes with round strands and rope grade 1 570 – 1 770. Wire ropes shall conform to EN 12385-4 and 5. The types of rope shall be Ordinary or Lang lay.

**Swaging:** The TS ferrules are swaged according to our specified swaging method for turnback ferrules. Please read the swaging instructions for turnback ferrules in chapter 4.

**Note!** Please read our TALURIT™ Splicing Instructions carefully to secure a safe and correct swaging operation.