

TALURIT™ SPLICING SYSTEM

Selection table for carbon steel turnback ferrules ST and SLST

Ferrule No.	Wire Rope Capacity Diameter (mm)				Die Identification			Straight length after pressing approx.	Required pressure approx. (kN)
	Fill factor (f=0,45-0,52) Fibre Core C=0,353-0,41		Fill factor (f=0,58-0,60) Steel Core C=0,456-0,471		Dies marked	Diameter after pressing			
	Min	Max	Min	Max		ST/SLST	(mm) / Tol.		
17	16,0	16,8	15,5	16,3	ST/SLST 16	28,7	+0,5	64	1 700
17	16,8	18,3	16,3	17,8	ST/SLST 17	29,5	0	64	1 700
19	18,3	19,3	17,8	18,7	ST/SLST 18	32,4		71	2 000
19	19,3	20,2	18,7	19,6	ST/SLST 19	33,3	+0,6	71	2 000
21	20,2	20,9	19,6	20,3	ST/SLST 20	34,7	0	78	2 300
21	20,9	21,8	20,3	21,1	ST/SLST 21	35,2		78	2 300
23	-	-	21,1	23,2	ST/SLST 22	39,0		84	2 700
23	-	-	22,5	24,3	ST/SLST 23	40,0		84	2 700
25	-	-	23,6	24,5	ST/SLST 24	42,7		93	3 100
25	-	-	24,5	25,5	ST/SLST 25	43,3		93	3 100
27	-	-	25,5	27,5	ST/SLST 26	45,9		101	3 500
27	-	-	26,7	28,5	ST/SLST 27	46,6		101	3 500
29	-	-	27,9	28,8	ST/SLST 28	49,0	+0,8	119	4 300
29	-	-	28,9	29,8	ST/SLST 29	50,0	0	119	4 300
31	-	-	29,9	30,8	ST/SLST 30	53,0	+1,0	124	4 900
31	-	-	30,9	31,8	ST/SLST 31	54,0	0	124	4 900
33	-	-	31,9	32,8	ST/SLST 32	55,2		132	5 500
33	-	-	32,9	33,8	ST/SLST 33	56,0		132	5 500
35	-	-	33,9	34,8	ST/SLST 34	58,5		140	6 500 ²⁾
35	-	-	34,9	35,8	ST/SLST 35	59,5		140	6 500 ²⁾
39	-	-	37,9	38,8	ST/SLST 38	65,0		157	7 500 ²⁾
39	-	-	38,9	39,9	ST/SLST 39	66,0		157	7 500 ²⁾

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



ST, SLST

ST and SLST ferrules have been validated according to EN 13411-3 regarding Turnback Eye Ferrule Secured Termination.



ST and SLST Ferrule (carbon steel)

* Not applicable

¹⁾ Special request only

²⁾ According to the table, 6 500 kN is required to swage for instance ferrule no. 35. By using a multi stage swaging method a 600-ton swager is sufficient for larger ferrules. See page 2 for instructions on how to perform multi stage swaging.

ST and SLST Ferrules: The ST and SLST ferrules have been validated according to the requirements in the standard EN 13411-3 regarding ferrule secured eye terminations.

Wire Rope: These carbon steel ferrules applies to new single layer round strand ropes with metallic core. Wire ropes shall conform to EN 12385 -4 and 5, class 6 x 36, maximum rope grade is to be 1960, fill factor 0,58-0,60. For other classes, rope grades and fill factor verifying test must be performed. Steel wire rope with a fiber core has not been tested. Contact our Technical Department for more advice.

Swaging: The ST and SLST ferrules are swaged according to specific instructions for ST, SLST and STS ferrules on the page following the STS selection table.

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

Note! If the required pressure is higher than indicated in our tables or that the length after swaging does not match our given after swage dimensions, special care must be taken! This is an indication that something is wrong or not matching the parameters in our tables. Always contact our technical department for guidance.

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.

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

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