Rev. 2018-03-12

TALURIT™ SPLICING SYSTEM
Selection table for carbon steel turnback ferrules STS

Ferrule No.	Wire Rope Capacity Diameter (mm)				Die Identification			Straight length after pressing approx.	Required pressure approx.
	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	STS	(mm) / Tol.		mm	(kN)
5	4,3	5,2	4,0	4,9	5	10,0	+0,15 0	22	200
6	5,3	6,2	5,0	5,9	6*	12,3	±0,3	26	300
7	6,3	7,2	6,0	6,9	7*	14,0	+0,3 0	31	400
8	7,3	8,2	7,0	7,9	8*	16,4	±0,4	34	500
9	8,3	9,2	8,0	8,8	9*	18,4		39	600
10	9,3	10,2	8,9	9,8	10*	20,4		43	750
11[1)]	10,3	11,2	9,9	10,9	11[1)]	22,0	+0,4	52	900
12	11,3	12,2	11,0	11,8	12*	24,0	0	57	1 100
13[1)]	12,3	13,2	11,9	12,8	13[1)]*	26,0		60	1 250
14	13,3	14,2	12,9	13,8	14*	28,0	+0,5	69	1 450
16	14,3	16,2	13,9	15,7	16*	32,0	0	78	1 900
17	-	-	15,7	17,9	17	35,7		62	1 800
18	-	-	18	19,9	18	37,8		65	2 100
20	-	-	20	21,9	20	42,9		73	2 500
22	-	-	22	23,9	22	47,6	+0,6	80	3 000
24	-	-	24	26,7	24	52,0	0	87	3 700
28	-	-	26,8	29,9	28	60,0	+0,8	102	4 600
30	-	-	30	31,9	30	64,0	0	109	5 500
34	-	-	32	35,9	34	72		124	6 500
38	-	-	36,0	39,9	38	80,0	+1,3	139	7 500
42	-	-	40,0	41,9	40	86,0	0	153	10 000
42	-	-	42,0	43,9	42	87,0		153	10 000
44	-	-	44,0	45,9	44	95,0		161	11 000
48	-	-	46,0	47,9	46	103,8		175	13 500
48	-	-	48,0	50,7	48	105,6		175	13 500
52	-	-	50,8	54,6	52	109,7		190	16 000
56	-	-	54,7	58,8	56	119,7		204	18 000
60	-	-	58,9	63,0	60	124,2		219	20 000
64	-	-	63,1	67,2	64	134,5	+1,6	234	24 000
68	-	-	67,3	70,9	68	140,0	0	248	27 000
72	-	-	71,0	75,9	72	152,5		263	29 000
76	-	-	76,0	79,9	76	162,3		278	32 000
84	-	-	80,0	83,9	80	173,0		307	35 000
84	-	-	84,0	88,9	84	176,5		307	37 000
90	-	-	89,0	95,0	90	176,5		329	40 000

IMPORTANT! Measure the wire rope and use the actual, not the nominal, diameter to find corresponding ferrule in this table!

STS ferrules from size 42 are galvanized for better corrosion protection.

*** Dies suitable for swaging INOX ferrules in the corresponding size. Dies marked STS/INOX.**

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

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

1) Available on request.

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

STS Ferrules: The STS ferrules have been validated according to the requirements in the standard EN 13411-3 regarding ferrule secured eye terminations. The STS ferrules between size 5-16 differ in material compared to the larger sizes, but the entire STS system fulfills the requirements according to the standard. Please read our TALURIT™ Splicing Instructions carefully to secure a safe and correct swaging operation. STS sizes between 5-16 was previously called STD.

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 verified. Contact our Technical Department for more advice.

Swaging:
Note! The STS ferrules are swaged according to specific instructions for ST, SLST and STS ferrules on the following page.
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.
All selection tables are recommendations built on test results, standard requirements and experience and must be seen as guidelines.
There will always be cases where some specifications are different from what is proven. Always contact our technical department for guidance.

Talurit AB · Amalia Jönssons gata 29 · 421 31 Västra Frölunda · Sweden · VAT SE556343720001
Phone +46 31 709 30 80 · Fax +46 31 47 10 71 · info@talurit.se · www.talurit.com