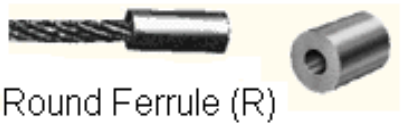
Rev.: 2004-11-30

TALURIT™ SPLICING SYSTEM
TABLE OF SIZES FOR R, RCU, TCU AND TCUK FERRULES

Wire Rope Capacity Diameter (mm)

Die Identification

Ferrule No.				Fill factor (f=0,4-0,5) Fibre Core		Fill factor (f=0,5-0,6) Steel Core		Dies Marked	Dia. after pressing		Required pressure Approx.
R	RCU	TCU	TCUK	Min	Max	Min	Max	T	(mm) / Tol.		(kN)
		1		0,9	1,0	0,8	0,9	1	3	+0,1	10
1,5	1,5	1,5		1,1	1,5	1,0	1,4	1,5	3,8	0	20
2	2	2		1,6	2,0	1,5	1,9	2	4	+0,1	30
		2,5		2,1	2,6	2,0	2,4	2,5	5	0	45
3	3	3		2,7	3,1	2,5	2,8	3	6		60
		3,5		3,2	3,6	2,9	3,3	3,5	7		80
4	4	4		3,7	4,1	3,4	3,8	4	8		100
		4,5		4,2	4,6	3,9	4,2	4,5	9		125
5	5	5		4,7	5,1	4,3	4,7	5	10		180
6	6	6		5,2	6,1	4,8	5,6	6	12	+0,3	210
6,5		6,5		6,2	6,6	5,7	6,1	6,5	13	0	250
7	7	7		6,7	7,1	6,2	6,6	7	14		320
8	8	8	8	7,2	8,2	6,7	7,5	8	16		410
9		9	9	8,3	9,0	7,6	8,2	9	18		500
10		10	10	9,1	10,1	8,3	9,2	10	20	+0,4	600
11		11	11	10,2	11,2	9,3	10,2	11	22	0	720
12		12	12	11,3	12,3	10,3	11,2	12	24		850
13		13	13	12,4	13,4	11,3	12,2	13	26		1 000
14		14	14	13,5	14,5	12,3	13,2	14	28	+0,5	1 300
16		16	16	14,6	16,1	13,3	14,7	16	32	0	1 600
18		18	18	16,2	18,2	14,8	16,6	18	36	+0,6	2 000
20		20	20	18,3	20,2	16,7	18,4	20	40	0	2 400
22		22	22	20,3	22,4	18,5	20,4	22	44		2 900
24		24	24	22,5	24,6	20,5	22,5	24	48	+0,8	3 400
26				24,7	26,9	22,6	24,6	26	52	0	3 900
28				27,0	28,6	24,7	26,1	28	56		4 500
30				28,7	30,8	26,2	28,1	30	60	+1,0	5 100
32				30,9	32,7	28,2	29,9	32	64	0	5 800



Round Ferrule (R)

Copper Ferrule (TCU)

Above table applies to bright or galvanized single layer steel wire ropes with round strands and rope grade 1 570 – 1 960. Wire ropes shall conform to EN 12385-4 and 5. The types of rope shall be Ordinary or Lang lay. For higher tensile grade and higher Fill factor, please contact our Technical Department. Please refer to TALURIT Ferrule Securing Instructions for further information.

NOTE 1. Ferrules made of copper are intended for use with stainless steel wire ropes. Other applications has to be tested and verified.

NOTE 2! We do not guarantee strength of slings for lifting activities made of Copper turn-back ferrules. A termination performed according to our instructions will normally withstand a tensile strength of 90% of minimum breaking load (MBL) of the wire rope. Verifying tests must be done in order to find out the strength.

NOTE 3! Ends stops are not allowed to use for lifting applications. The expected strength regarding this end-termination is approximately 50% of the MBL of the wire rope (informative only). Accordingly, verifying tests must be performed to secure the strength of the application.

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

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.

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