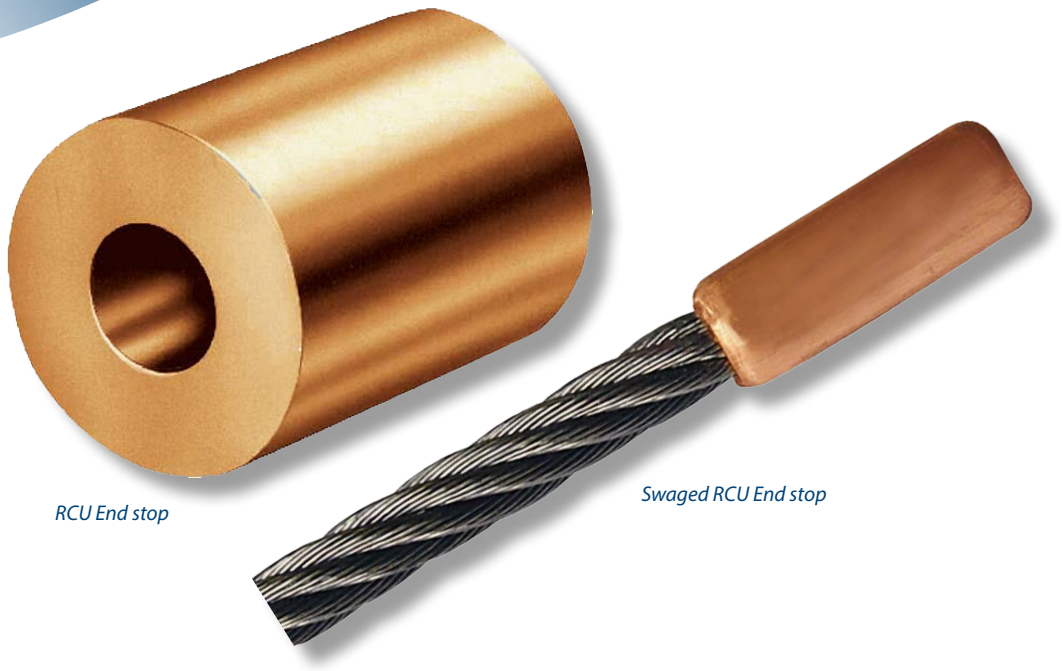
END STOPS/STOPPERS



RCU End stop

Swaged RCU End stop

9.4 RCU END STOP TALURIT™ SYSTEM

GENERAL DESCRIPTION

The RCU End stop is a round ferrule made of pure Copper (almost 99,9%).

APPLICATIONS

Round copper ferrules are commonly used as end stops or as stoppers. Copper as material suits well together with stainless steel wire rope, to avoid galvanic corrosion in saltwater environments. Same types of dies as for T-ferrules are to be used. The copper material is pure copper in soft condition. The end stop is seamlessly extruded over mandrel.

TO BE NOTED

Round end stops, type RCU, are not recommended for use in high strength applications. The expected strength of this end stop is approx 50 percent of the MBL of the wire rope. Accordingly, verifying tests must be performed to secure the strength of the termination.

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TALURIT™ SPLICING SYSTEM
Selection table for RCU End stops

	Wire Rope Capacity Diameter (mm)				Die Identification			
End stop No.	Fill factor (f=0,40-0,50) Fibre Core		Fill factor (f=0,50-0,60) Steel Core		Dies marked	Diameter after pressing		Required pressure approx.
RCU	Min	Max	Min	Max	T	(mm) / Tol.		(kN)
	0,9	1,0	0,8	0,9	1	3	+0,1	10
1.5	1,1	1,5	1,0	1,4	1,5	3,8	0	20
2	1,6	2,0	1,5	1,9	2	4	+0,1	30
	2,1	2,6	2,0	2,4	2,5	5	0	45
3	2,7	3,1	2,5	2,8	3	6		60
	3,2	3,6	2,9	3,3	3,5	7		80
4	3,7	4,1	3,4	3,8	4	8		100
	4,2	4,6	3,9	4,2	4,5	9		125
5	4,7	5,1	4,3	4,7	5	10		180
6	5,2	6,1	4,8	5,6	6	12	+0,3	210
	6,2	6,6	5,7	6,1	6,5	13	0	250
7	6,7	7,1	6,2	6,6	7	14		320
8	7,2	8,2	6,7	7,5	8	16		410
	8,3	9,0	7,6	8,2	9	18		500

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

Round copper End stop (RCU) (copper)

RCU end stops: The RCU end stops are not recommended for use in high strength applications.

Wire rope: Above table applies to wire ropes made of stainless steel, 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.
Note! Stainless steel as a material is not included in the EN standard for wire ropes.

Swaging: The R end stops are swaged according to our specified swaging method for R and RCU end stops in chapter 10.6 and 10.7.

Note! Ends stops, type **RCU**, 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.

End stops made of copper, type **RCU**, have many application areas. One of them being the use together with wire ropes made of stainless steel. This is especially advantageous to reduce the risk of galvanic corrosion problems.

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.

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

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