ES End stop

9.1 ES END STOP TALURIT® SYSTEM

GENERAL DESCRIPTION

The ES End stops are made from special carbon steel. They are designed for rotation resistant wire rope with maximum rope grade 1960. Wire rope must conform to EN 12385. The chamfered surface around the cylinder matches different fitting devices. To distribute the stress over a larger area the bore of the End stop is slightly conical.

APPLICATIONS

The ES End stops are specifically designed for rotation resistant round strand ropes with a fill factor, f, between 0,61 and 0,76. The system is tested for rotation resistant wire rope, class 35(W)x7, fill factor 0,71. Terminations should not be exposed to temperatures outside the range -40°C to 150°C.
The wire rope must protrude the End stop by 1,5 x diameter of wire rope before swaging. If necessary, the end can be cut off afterwards. Annealed end must not be swaged. End stops are marked with article number or as per customer's request.

TO BE NOTED

Our ES system is designed to fit a number of general End stop applications. One of these being the crane wire rope field.

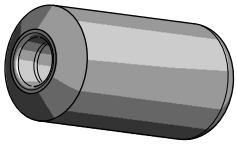
Before ordering it is important to make sure that the housing where the End stop will be fixed is matching the ES series diameters and lengths after pressing. Due to the variety of steel wire ropes, it is difficult to approve all of them. If other wire rope constructions are used tests must be done in order to verify the strength of the application.

Rev. 2025-04-29

TALURIT® SPLICING SYSTEM
Selection table for ES - End stops

End stop	Measured Wire Rope Diameter Range (mm)		Die ID		Quality control after swaging			Force
End stop No.	Fill factor 0,61≤f≤0,76		Press dies marked	Press dies Type	Diameter after swaging		Length, L, after swaging approx.	Required force, approx.
	min	max	ES D		mm	Tol.	mm	kN
ES 13 D30	13,0	13,9	30	D	30	+0,3 0	90	3 000
ES 14 D30	14,0	14,9						
ES 15 D30	15,0	15,9						
ES 16 D36	16,0	16,9	36	D	36	+0,4 0	108	4 000
ES 17 D36	17,0	17,9						
ES 18 D36	18,0	18,9						
ES 19 D44	19,0	19,9	44	D	44	+0,4 0	126	5 000- 6 000
ES 20 D44	20,0	20,9						
ES 21 D44	21,0	21,9						
ES 22 D44	22,0	22,9						
ES 23 D52	23,0	23,9	52	D, E or E1	52	+0,4 0	144	7 000- 9 000
ES 24 D52	24,0	24,9						
ES 25 D52	25,0	25,9						
ES 26 D52	26,0	26,9						
ES 26 D58	26,0	26,9	58	D, E or E1	58	+0,5 0	161	8 000- 12 000
ES 27 D58	27,0	27,9					174	
ES 28 D58	28,0	28,9						
ES 29 D58	29,0	29,9						
ES 30 D64	30,0	30,9	64	D, E or E1	64	+0,6 0	192	12 000- 15 000
ES 31 D64	31,0	31,9						
ES 32 D64	32,0	32,9						

Please note that these instructions are only applicable to products produced and supplied by Talurit Group!



ES 13 D30

ES 13 D30

ES End stops: ES End stops are designed for rotation resistant wire rope with maximum rope grade 1960.

Wire rope: The system is tested for rotation resistant wire rope, class 35(W)x7, fill factor 0,71. Rope grade 1960.
The system with this rope has been validated according to EN 13411-8.
Additionally verified wire rope:
ROPETEX PERFORM 35C (2160 N/mm², Ø15-22 mm), PYTHON COMPAC 35 (2160 N/mm², Ø13-29 mm).

Swaging:
The ES End stops are swaged according to our specified swaging method for ES End stops in chapter 10.2 and 10.3.

NOTE!

Due to the variety of steel wire ropes, it is difficult to approve all of them. If other wire rope constructions are to be used tests must be done in order to verify the strength of application. There are numerous differences between the many wire rope manufacturers rope properties, proprietary designs or individual constructions. Tests must be done in order to verify the efficiency of the system when used with a particular wire rope manufacturers' specific product. Furthermore, wire rope technology is advancing and rope manufacturers reserve the right to changes existing designs or even replace existing designs with new ones. Additionally, specific designs between several rope manufacturers can show small or large differences while still being classified under class 35(W)x7. These differences could add up to a loss of efficiency of the system. Therefore, the test results achieved by using a particular rope construction or design should be considered valid for that manufacturer's specific design only.

We can perform these tests in our own pull test benches. Please reach out to us for an offer.