FERRULE SELECTION CHART BASED ON EN13411-3

T ferrule (T)
(aluminium)

T Konit with inspection hole
(TKH) (aluminium)

Matching wire rope to ferrule
Selection of the correct ferrule is to take account of:

- the measured rope diameter
- the rope type (and core)
- the nominal fill factor, f (or metallic cross-sectional are factor, C) of the rope. Very important for fibre core ropes.

Case 1
For **single layer** round strand ropes with **fibre core and cable-laid** ropes having a fill factor of at least 0,36 (C≥0,283) and max 0,45 (C≤0,353), a ferrule having a size / Code number equivalent to the measured rope diameter is to be selected from the table on page 53.

Case 2
For **single layer** round strand ropes with fibre core and cable laid ropes having a fi lling factor greater than 0,45 (C>0,353) and for **single layer** round strand ropes with **metallic core and for rotation-resistant** round strand ropes having a fi ll factor up to 0,62 (C≤0,487), a ferrule having the next larger size / Code number than the measured rope diameter is to be selected from table on page 53.

Case 3
For **single layer** round strand ropes with **metallic core and for rotation-resistant** round strand ropes and parallel-closed round strandropes having a **fill factor greater than 0,62 and up to 0,78 (0,487<C≤0,613)** the ferrule is to be selected from table on page 53.

Case 4
For **spiral strand** having a **fill factor of not greater than 0,78,** ferrules are to be selected having two size/code numbers larger than the actual rope diameter from table on page 1. Two ferrules spaced two rope diameters apart are to be used per termination. After pressing a space is to be maintained between ferrules. Please contact us for the table containing Case 4.

Application rope types and grade
Single layer, rotation resistant and parellel-closed stranded ropes conforming to EN 12385-4, stranded ropes conforming to EN 12385-5, spiral strand ropes conforming to EN12385-10 and cable-laid ropes as specified in EN 13414-3. The maximum rope grade is to be 1960. The types of rope lay shall be Ordinary or Lang lay.

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.

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

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

TALURIT™ SPLICING SYSTEM
Tables of sizes for Aluminium T, TK and TKH ferrules

Ferrule No.	Wire rope Capacity Diameter (mm) Case 1 Fill factor 0,36≤f≤0,45 0,283≤C≤0,353		Case 2 Fill factor f≤0,62 C≤0,487		Case 3 Fill factor 0,62<f≤0,78 0,487<C≤0,613		Die identification Dies marked	Diameter after pressing		Length after pressing approx.	Required pressure approx.
T	Min	Max	Min	Max	Min	Max	T/TK/ TKH	mm / Tol		mm	kN
*GTA015	1,2	1,6	1,1	1,4			1,5	3,8	+0,2	8	10
GTA02	1,7	2,1	1,5	1,9			2	4	+0,2	9	20
GTA025	2,5	2,7	2,0	2,4			2,5	5		12	30
GTA03	2,8	3,2	2,5	2,7			3	6		14	45
GTA035	3,3	3,7	2,8	3,2			3,5	7		16	60
GTA04	3,8	4,3	3,3	3,7			4	8		18	80
GTA045	4,4	4,8	3,8	4,3			4,5	9		20	100
GTA05	4,9	5,4	4,4	4,8			5	10		23	125
GTA06	5,5	6,4	4,9	5,4			6	12	+0,3	27	180
GTA065	6,5	6,9	5,5	6,4			6,5	13		29	210
GTA07	7,0	7,4	6,5	6,9	6,0	6,4	7	14		32	250
GTA08	7,5	8,4	7,0	7,4	6,5	6,9	8	16		36	320
GTA09	8,5	9,5	7,5	8,4	7,0	7,9	9	18		40	410
GTA10	9,6	10,5	8,5	9,5	8,0	8,9	10	20	+0,4	45	500
GTA11	10,6	11,6	9,6	10,5	9,0	9,9	11	22		50	600
GTA12	11,7	12,6	10,6	11,6	10,0	10,9	12	24		54	720
GTA13	12,7	13,7	11,7	12,6	11,0	11,9	13	26		59	850
GTA14	13,8	14,7	12,7	13,7	12,0	12,9	14	28	+0,7	63	1 000
GTA16	14,8	16,8	13,7	14,7	13,0	13,9	16	32		72	1 300
GTA18	16,9	18,9	14,8	16,8	14,0	15,9	18	36	+0,9	81	1 600
GTA20	19,0	21,0	16,9	18,9	16,0	17,9	20	40		90	2 000
GTA22	21,1	23,1	19,0	21,0	18,0	19,9	22	44		99	2 400
GTA24	23,2	25,2	21,1	23,1	20,0	21,9	24	48	+1,1	108	2 900
GTA26	25,3	27,3	23,2	25,2	22,0	23,9	26	52		117	3 400
GTA28	27,4	29,4	25,3	27,3	24,0	25,9	28	56		126	3 900
GTA30	29,5	31,5	27,4	29,4	26,0	27,9	30	60	+1,4	135	4 500
GTA32	31,6	33,6	29,5	31,5	28,0	29,9	32	64		144	5 100
GTA34	33,7	35,7	31,6	33,6	30,0	31,9	34	68		153	5 800
GTA36	35,8	37,8	33,7	35,7	32,0	33,9	36	72	+1,6	162	6 500
GTA38	37,9	39,9	35,8	37,8	34,0	35,9	38	76		171	7 200
GTA40	40,0	42,0	37,9	39,9	36,0	37,9	40	80		180	8 000
*GTA42	42,1	44,1	38,4	40,3	37,0	38,9	42	84	+1,9	191	8 800
GTA44	42,1	46,2	40,0	42,0	38,0	39,9	44	88		198	9 700
*GTA46	46,3	48,3	42,1	44,1	39,0	40,9	46	92		209	10 600
GTA48	46,3	50,4	42,1	46,2	40,0	43,9	48	96		216	11 500
GTA52	50,5	54,6	46,3	47,9	44,0	47,9	52	104	+2,1	234	13 500
*GTA54	52,6	56,7	48,0	51,7	46,0	49,9	54	108		246	14 600
GTA56	54,7	58,8	54,6	51,9	48,0	51,9	56	112	+2,3	252	15 700
GTA60	58,9	63,0	54,7	58,8	52,0	54,6	60	120	+2,4	270	18 000

*These sizes are not included in the EN 13411-3 standard.
Table based on EN 13411-3:2004 + A1:2008

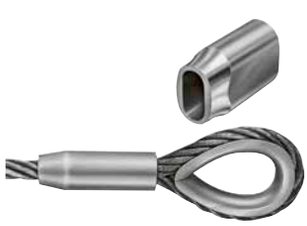
TK & TKH ferrules available on request.
T ferrules sized 62-152 available on request.

Ferrules: T and TKH have been validated according to EN 13411-3 regarding Ferrule Secured Eye terminations and Ferrule Secured Endless slings.
TK-ferrules have been validated according to TALURIT™ splicing system.

Wire rope: 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 we have an approved system called T-LOC. For higher and lower filling factor, please contact our Technical Department.
Note! Please refer to the TALURIT™ Ferrule Securing Instructions for further information.

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

T ferrule (T) (aluminium)



T Konit (TK) (aluminium)

T Konit H (TKH) (aluminium)

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.

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