
**Aerospace series — Pipe coupling
8°30' in titanium alloy — Thrust wires**

Série aéronautique - Système de raccordement 8°30' en alliage de titane - Joncs

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Foreword

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Aerospace series — Pipe coupling 8°30' in titanium alloy — Thrust wires

1 Scope

This document specifies the characteristics of thrust wires for attaching thrust wire nuts onto tees and elbows for pipe couplings 8°30', for aerospace applications.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2369, *Wires — Heat resisting alloys — Diameter $0,2 \text{ mm} \leq D \leq 8 \text{ mm}$ — Dimensions*¹⁾

EN 2424, *Aerospace series — Marking of aerospace products*

EN 2516, *Aerospace series — Passivation of corrosion resistant steels and decontamination of nickel base alloys*

EN 2573, *Aerospace series — Steel FE-PA13 — Softened and lightly drawn — Wire — $0,25 \leq D_e \leq 5 \text{ mm}$* ¹⁾

EN 3264, *Aerospace series — Pipe coupling 8°30' in titanium alloy — Thrust wire nuts*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

4 Required characteristics

4.1 Configuration — Dimensions — Mass

According to [Figure 1](#) and [Table 1](#). Dimensions are in millimetres.

4.2 Surface roughness

According to [Figure 1](#).

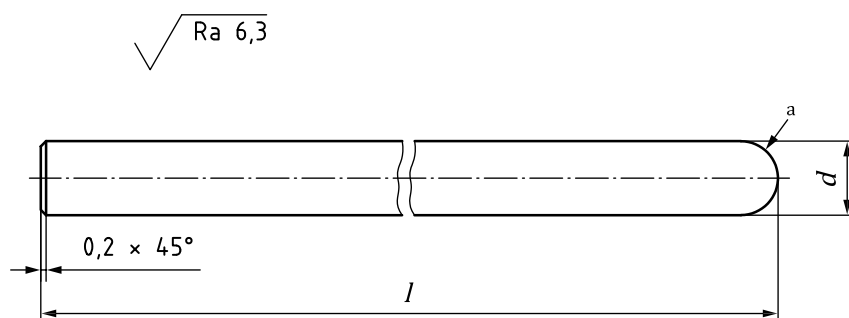
4.3 Material

According to EN 2573.

¹⁾ Published as ASD-STAN Prestandard at the date of publication of this standard. <https://www.asd-stan.org>

4.4 Surface treatment

According to EN 2516.



Key

a Spherical.

Figure 1

Table 1

Wire diameter code	Code ^{a)}	$d^{b)}$	$l^{c)}$	Mass g/piece max.
			$\pm 0,3$	
20	05	$2,0 \pm 0,03$	24,5	0,60
	06		30,0	0,74
	08		35,5	0,88
	10		41,5	1,02
25	12	$2,5 \pm 0,04$	47,5	1,83
	14		53,5	2,06
	16		60,0	2,31
28	18	$2,8 \pm 0,04$	65,5	3,17
	20		75,0	3,63
	22		84,0	4,06
	25		93,5	4,52
	28		103,0	4,98
	32		112,5	5,44

a) Corresponds to the pipe nominal outside diameter.
b) Diameter series according to EN 2369.
c) Thrust wire length for nut according to EN 3264.