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|-----------------------------|--|---------------|
| EUROFIGHTER GmbH | RIVETS, SOLID, 100° REDUCED CSK HEAD in Titanium-Alloy Ti44.5Cb Metric Series | JN0120 |
|-----------------------------|--|---------------|

Dimensions in mm

1. PROJECT RESTRICTIONS

Only Rivets with radiused tail 'Code R' shall be used.

2. DESIGNATION

Each Rivet shall only be designated as in the following example:

Description Block

Identity Block

RIVET

JN0120 R 040 010

Number of JN-Standard _____

Tail Code (see Para. 1) _____

Diameter Code (see Table 1) _____

Length Code ¹⁾ (see Table 2) _____

¹⁾ Rivet length may be quoted as ,000' where the exact length is not required by the manufacturing process.

3. MATERIAL AND PROTECTIVE TREATMENT

3.1 Material

Titanium-Alloy 44.5 Cb, annealed per AMS4982.

3.2 Protective Treatment

Aluminium pigmented coating per J20.080.

4. APPLICATION

Structural use, where the recommended temperature is max. + 340°C.
May also be used for attachment of anchor nuts in CFC and sealed areas.

5. INSTALLATION DOCUMENTS

A: AIT81308

B: R30.6259

C: I+D-P-322 / I+D-P-323

M: 80-L-34-5807

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|--------------|---|---|---|---|--|------------------------------------|
| PAGE | 1 | 2 | 3 | 4 | | M J25.012 Edition D |
| ISSUE | D | C | C | D | | |

6. DIMENSIONS AND TOLERANCES

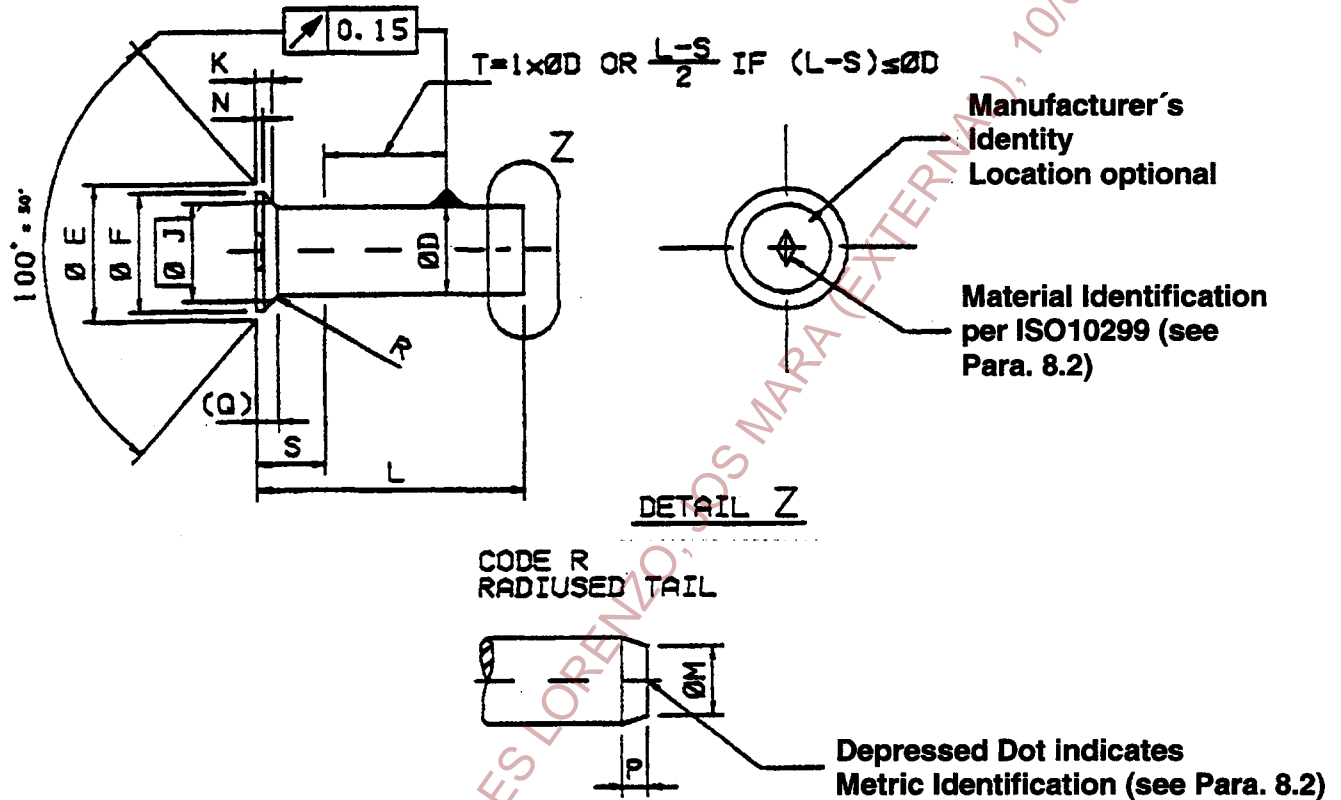


Figure 1

The form of the radiused tail end, code R, is at the manufacturer's option, but shall lie between radius tangential to the shank and a chamfer, and shall not be concave.

Table 1

| Dia. Code | Ø D d11 | Ø E max. | Ø F min. | Ø J nom. | K - 0,08 | Ø M min. max. | N min. | P min. max. | Q ¹⁾ Ref. | R ± 0,08 | S ¹⁾ max. |
|--------------|------------|-------------|-------------|-------------|-------------|------------------|-----------|----------------|-------------------------|-------------|-------------------------|
| 025 | 2,5 | 3,90 | 3,4 | 2,89 | 0,42 | 1,7 2,0 | 0,05 | 0,5 0,8 | 0,59 | 0,15 | 2,4 |
| 030 | 3,0 | 4,70 | 4,1 | 3,54 | 0,49 | 2,1 2,4 | 0,06 | 0,6 0,9 | 0,72 | | 2,5 |
| 035 | 3,5 | 5,50 | 4,8 | 4,18 | 0,55 | 2,45 2,8 | 0,07 | 0,7 1,05 | 0,84 | | 2,8 |
| 040 | 4,0 | 6,25 | 5,45 | 4,82 | 0,60 | 2,8 3,2 | 0,08 | 0,8 1,2 | 0,95 | 0,25 | 3,0 |
| 050 | 5,0 | 7,8 | 6,8 | 5,79 | 0,85 | 3,5 4,0 | 0,1 | 1,0 1,5 | 1,18 | | 3,8 |

¹⁾ Over length (S-Q), the shank diameter D_{max} may increase by 0,03 mm.

Table 2

| Length | | Diameter Code | | | | |
|--|---------|--|--------|--------|--------|--------|
| | | 025 | 030 | 035 | 040 | 050 |
| Code | L + 0,5 | Mass ¹⁾ kg / 100 pieces Approximate masses calculated on the basis of 5,69 kg/dm ³ | | | | |
| 004 | 4 | 0,1173 | 0,1719 | 0,2366 | --- | --- |
| 005 | 5 | 0,1448 | 0,2116 | 0,2904 | --- | --- |
| 006 | 6 | 0,1723 | 0,2513 | 0,3442 | 0,4533 | --- |
| 007 | 7 | 0,1998 | 0,2910 | 0,3980 | 0,5237 | --- |
| 008 | 8 | 0,2273 | 0,3307 | 0,4518 | 0,5941 | 0,9420 |
| 009 | 9 | 0,2548 | 0,3704 | 0,5056 | 0,6646 | 1,0524 |
| 010 | 10 | 0,2823 | 0,4101 | 0,5594 | 0,7550 | 1,1628 |
| 011 | 11 | 0,3098 | 0,4497 | 0,6133 | 0,8054 | 1,2732 |
| 012 | 12 | 0,3375 | 0,4894 | 0,6671 | 0,8759 | 1,3855 |
| 013 | 13 | 0,3648 | 0,5291 | 0,7209 | 0,9463 | 1,4959 |
| 014 | 14 | 0,3923 | 0,5688 | 0,7147 | 1,0167 | 1,6043 |
| 015 | 15 | 0,4198 | 0,6085 | 0,8085 | 1,0872 | 1,7147 |
| 016 | 16 | 0,4473 | 0,6482 | 0,8823 | 1,1576 | 1,8251 |
| 017 | 17 | 0,4748 | 0,6879 | 0,9561 | 1,2281 | 1,9355 |
| 018 | 18 | 0,5023 | 0,7275 | 0,9899 | 1,2985 | 2,0459 |
| 019 | 19 | 0,5298 | 0,7672 | 1,0457 | 1,3689 | 2,1563 |
| 020 | 20 | 0,5571 | 0,8069 | 1,0975 | 1,4394 | 2,2666 |
| 022 | 22 | 0,6121 | 0,8863 | 1,2052 | 1,5802 | 2,4874 |
| 024 | 24 | 0,6671 | 0,9657 | 1,3128 | 1,7211 | 2,7082 |
| 026 | 26 | 0,7220 | 1,0450 | 1,4204 | 1,8620 | 2,9290 |
| 028 | 28 | 0,7770 | 1,1244 | 1,5280 | 2,0028 | 3,1497 |
| 030 | 30 | 0,8320 | 1,2038 | 1,6356 | 2,1457 | 3,3705 |
| ¹⁾ Only sizes marked with mass value are available. | | | | | | |

7. TECHNICAL SPECIFICATION

PS-MEZB-901.

8. MARKING

8.1 Rivet Identification

EN2424, style G.

8.2 Metric and Material Identification

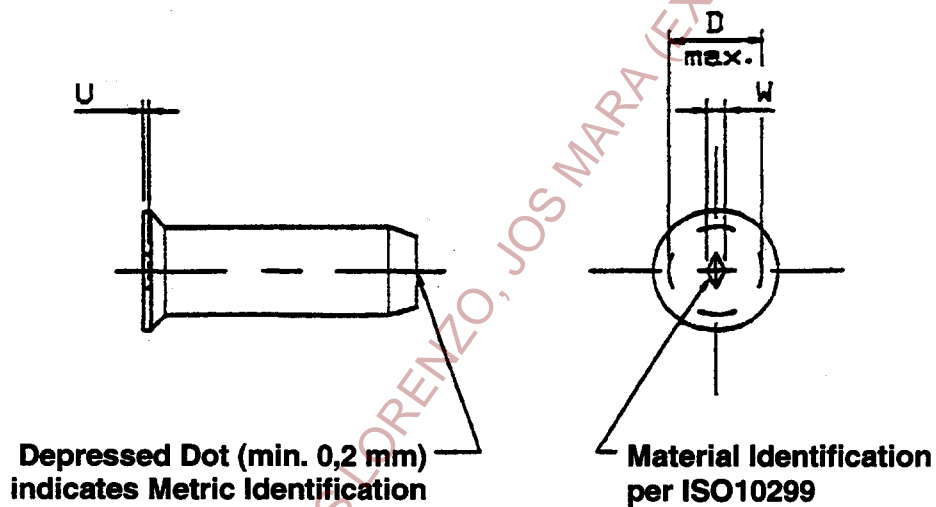


Figure 2

9. MANUFACTURERS

Standard Number to Manufacturer's Part Number conversion.

Table 3

| Standard Number | Manufacturer's Part Number | | |
|-----------------|-----------------------------------|--|----------------|
| | TEXTRON Aerospace Fasteners | LINREAD NORTHBRIDGE, Components for Aerospace | AHG |
| JN0120R(*)(**) | CMSR904B-(*)E-(**) | JN0120R(*)(**) | JN0120R(*)(**) |
| | | | |
| | | | |

(*) = Diameter Code (see Table 1)
(**) = Length Code (see Table 2)

For Qualification status of Manufacturer, see Qualified Product List J06.002 Part 1.