

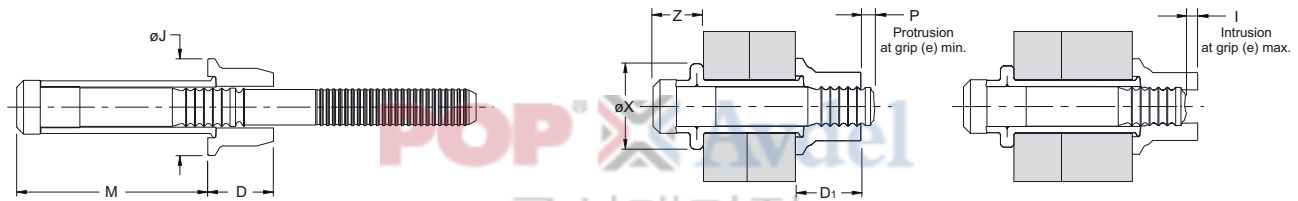


| English                                                                 | Français                                                                  | Deutsch                                                            | Italiano                                                            | Español                                                     | ****      |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------|-----------|
| Stem: Chromium Molybdenum steel*<br>Black oxide                         | Tige: Acier*<br>Noir                                                      | Dorn: Stahl*<br>Schwarz                                            | Gambo: Acciaio*<br>Passivato nero                                   | Vástago: Acero*<br>Pavonado                                 | <br>8 h   |
| Sleeve: Carbon steel**<br>Zinc plated<br>Clear trivalent<br>passivated  | Douille: Acier**<br>Revêtement zingué<br>Passivation claire<br>trivalente | Hülse: Stahl**<br>Verzinkt<br>Klar chromatiert,<br>Cr6-frei        | Bussola: Acciaio**<br>Zincata<br>Passivazione chiara<br>trivalente  | Cuerpo: Acero**<br>Zincado<br>Pasivado claro<br>trivalente  | <br>240 h |
| Collar: Carbon steel***<br>Zinc plated<br>Clear trivalent<br>passivated | Bague: Acier***<br>Revêtement zingué<br>Passivation claire<br>trivalente  | Schließring: Stahl***<br>Verzinkt<br>Klar chromatiert,<br>Cr6-frei | Collare: Acciaio***<br>Zincato<br>Passivazione chiara<br>trivalente | Collar: Acero***<br>Zincado<br>Pasivado claro<br>trivalente | <br>240 h |

\*: EN 10263-4 34CrMo4 SAE 4135 SCM435 \*\*: EN 10263-2 C8C SAE 1008 \*\*\*: EN 10263-4 23MnB4

\*\*\*\*: to red rust / à la rouille rouge / bis Rotrost / alla ruggine rossa / al óxido rojo (ASTM B117)

Avbolt fasteners are supplied with lubricated collars and must not be degreased. / Avbolt sont lubrifiées et ne doivent pas être dégraissées. / Avbolt sind mit einem Gleitmittel beschichtet, welches nicht entfernt werden darf. / I Avbolt sono forniti lubrificati e non devono essere sgrassati. / Los Avbolt se suministran con collares lubricados y no deben ser desengrasados.



| Ø              | min.  | max.  | min.  | max.  | M     | max.  | ØJ    | max.  | D     | max.  | ØX   | max. | Z      | D <sub>1</sub> | P | I | min. <sup>1)</sup> | min. <sup>1)</sup> | Part No/ref |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|----------------|---|---|--------------------|--------------------|-------------|
| 10.0<br>(3/8") | 4.78  | 7.95  | 10.49 | 11.05 | 25.10 | 18.77 | 12.65 | 15.49 | 9.58  | 14.50 | 4.36 | 1.72 | 45.00  | 32.25          |   |   |                    |                    | 21001-01204 |
|                | 7.95  | 11.13 |       |       | 28.27 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01206 |
|                | 9.54  | 12.72 |       |       | 30.02 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01207 |
|                | 11.13 | 14.30 |       |       | 31.45 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01208 |
|                | 14.30 | 17.48 |       |       | 34.62 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01210 |
|                | 17.48 | 20.65 |       |       | 37.80 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01212 |
|                | 20.65 | 23.83 |       |       | 40.97 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01214 |
|                | 23.83 | 27.00 |       |       | 44.15 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01216 |
|                | 27.00 | 30.18 |       |       | 47.32 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01218 |
|                | 30.18 | 33.35 |       |       | 50.50 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01220 |
| 12.7<br>(1/2") | 6.38  | 9.55  | 13.87 | 14.76 | 31.82 | 24.31 | 15.01 | 20.62 | 13.11 | 16.10 | 4.36 | 1.57 | 90.00  | 57.00          |   |   |                    |                    | 21001-01604 |
|                | 9.55  | 12.73 |       |       | 35.00 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01606 |
|                | 12.73 | 15.90 |       |       | 38.18 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01608 |
|                | 15.90 | 19.08 |       |       | 41.36 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01610 |
|                | 19.08 | 22.25 |       |       | 44.53 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01612 |
|                | 22.25 | 25.43 |       |       | 47.70 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01614 |
|                | 25.43 | 28.60 |       |       | 50.87 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01616 |
|                | 28.60 | 31.78 |       |       | 54.02 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01618 |
|                | 31.78 | 34.95 |       |       | 57.16 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01620 |
|                | 34.95 | 38.13 |       |       | 60.27 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01622 |
|                | 38.13 | 41.30 |       |       | 63.35 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-01624 |
| 16.0<br>(5/8") | 6.35  | 12.70 | 17.45 | 18.49 | 39.35 | 29.46 | 17.45 | 25.4  | 16.01 | 20.07 | 7.93 | 1.98 | 129.00 | 91.19          |   |   |                    |                    | 21001-02004 |
|                | 12.70 | 19.05 |       |       | 45.70 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-02008 |
|                | 19.05 | 25.40 |       |       | 52.05 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-02012 |
|                | 25.40 | 31.75 |       |       | 58.40 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-02016 |
|                | 31.75 | 38.10 |       |       | 64.75 |       |       |       |       |       |      |      |        |                |   |   |                    |                    | 21001-02020 |

all dimensions in mm / en millimètres / alle Maße in mm / in millimetri / en milímetros

1) Strength values apply only where the joint thickness exceeds 150% of the joint hole diameter.

Les valeurs de résistances mécaniques sont applicables uniquement lorsque l'épaisseur à serrer dépasse 150% du diamètre du trou de l'application.

Die Festigkeitswerte gelten nur bei einem Klemmbereich größer als 150% des Lochdurchmessers.

I valori di resistenza si applicano solamente laddove lo spessore da serrare supera il 150% del diametro del foro.

Los valores de resistencia sólo se aplican si el espesor a ser apretado supera el 150% del diámetro del remache.

