

|                                                                                                                                                                                                                                                                                                                                        |                                             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|---------------|----------------------------------|---------------|
| CATIA V5                                                                                                                                                                                                                                                                                                                               | Revision level<br>Indice<br>Aenderungsstand |                        | Revision Record<br>Désignation<br>Beschreibung der Aenderung                                                                                                                                                                                                                                                                                                                                                                                                  |  | Changed<br>Modifié<br>Geaendert | Date<br>Datum | Approved<br>Approuvé<br>Geprueft | Date<br>Datum |
|                                                                                                                                                                                                                                                                                                                                        | Drawing<br>Dessin<br>Zeichnung              | Part<br>Pièce<br>Solid |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| Durch das Herstellverfahren bedingte Geometrieaenderungen (Anspritzung, Auswerfermarkierungen, etc.) zulaessig. Einzelheiten der Ausfuehrung bleiben dem Hersteller ueberlassen. / The manufacturing-related geometry changes (injection point, ejectors marks, etc.) allowed. Design of the details are left to suppliers discretion. |                                             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| Intended For Welded Screw Ø<br>Pour Goujon Soudé à Filets Couchés Ø<br>Aufnahme fuer Schweissbolzen Ø<br>-                                                                                                                                                                                                                             |                                             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| Tensile Force (N)<br>Tenue au serrage (N)<br>Schlaufenhaltekraft (N)<br>-                                                                                                                                                                                                                                                              |                                             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| Hole Size<br>Trou Ø<br>Loch Ø<br>-                                                                                                                                                                                                                                                                                                     |                                             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| Panel Thickness<br>Epaisseur Support<br>Blechdicke<br>-                                                                                                                                                                                                                                                                                |                                             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| Bundle Ø<br>Toron Ø<br>Buendel Ø<br>-                                                                                                                                                                                                                                                                                                  |                                             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| Material<br>Matière<br>Werkstoff<br><br>PA66HIRHS<br>black                                                                                                                                                                                                                                                                             |                                             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| Tolerances<br>Dimension without tolerances:<br>Tolérances<br>Cotés sans tolérances:<br><br>Toleranzen<br>Masse ohne<br>Toleranzangaben :                                                                                                                                                                                               |                                             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| Angle/ Winkel                                                                                                                                                                                                                                                                                                                          |                                             | ± 3°                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| ≤ 6                                                                                                                                                                                                                                                                                                                                    |                                             | ± 0,3                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| ≤ 30                                                                                                                                                                                                                                                                                                                                   |                                             | ± 0,5                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| ≤ 60                                                                                                                                                                                                                                                                                                                                   |                                             | ± 0,7                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| ≤ 120                                                                                                                                                                                                                                                                                                                                  |                                             | ± 1,5                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| ≤ 400                                                                                                                                                                                                                                                                                                                                  |                                             | ± 5                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| ≤ 1000                                                                                                                                                                                                                                                                                                                                 |                                             | ± 10                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                 |               |                                  |               |
| PERFORMANCE SPECIFICATION<br>AUSFUEHRUNG<br>SPEZIFIKATION                                                                                                                                                                                                                                                                              |                                             |                        | REFERENCE:<br>PERFORMANCE REQUIREMENTS AT DRY AS MOLDED<br>1. FIR TREE PUSH IN FORCE: 45 NEWTONS (10LBS) MAX<br>IN EACH APPLICABLE OVAL SIZE AND A PLATE THICKNESS OF 1.8mm.<br>2. FIR TREE PULL OUT FORCE: 110 NEWTONS (25LBS) MIN<br>IN EACH APPLICABLE OVAL SIZE AND A PLATE THICKNESS OF 1.8mm.<br>3. SHEET METAL THICKNESS RANGE:0.60mm-6.75mm<br>4. APPLICABLE OVAL HOLE SIZES:<br>A. 6.2X 12.2mm<br>B. 6.5X 12.5mm<br>C. 6.5X 13.0mm<br>D. 7.0X 12.0mm |  |                                 |               |                                  |               |

|                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                   |        |          |                                        |     |                                                     |                        |       |
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