

The print-out is not subject to the modification service.

Intended for internal and supplier use

Ident. Doc.:

| supp<br>No. | material no.                                                                                                   |                  |                  | A                 | B                                     |
|-------------|----------------------------------------------------------------------------------------------------------------|------------------|------------------|-------------------|---------------------------------------|
|             | processing and surface treatment acc. to STAB-Spec.:<br>10006248 Tab. IV    10006248 Tab. X    10028959 Tab. I |                  |                  | overall<br>length | stud<br>length<br>end-fitting<br>side |
|             | (a)<br>version 1                                                                                               | (a)<br>version 1 | (b)<br>version 2 |                   |                                       |
| 17          |                                                                                                                | 008887           | 008887           | 86.5              | 16                                    |
| 18          |                                                                                                                | 008888           | 008888           | 218.5             | 16                                    |
| 19          |                                                                                                                | 008889           | 008889           | 248.5             | 16                                    |
| 20          |                                                                                                                | 008890           | 008890           | 137.5             | 16                                    |
| 21          |                                                                                                                | 008891           | 008891           | 98.5              | 20                                    |
| 22          |                                                                                                                | 565237           | 565237           | 99.5              | 16                                    |
| 23          |                                                                                                                | 676853           | 676853           | 122.5             | 16                                    |
| 24          |                                                                                                                | 849173           | 849173           | 86.5              | 18                                    |
| 25          |                                                                                                                | 077444           | 077444           | 215.5             | 16                                    |
| 26          |                                                                                                                | 078878           | 078878           | 224.5             | 16                                    |
| 27          |                                                                                                                | 106602           | 106602           | 140.5             | 16                                    |
| 28          |                                                                                                                | 277767           | 277767           | 341.5             | 26                                    |
| 29          |                                                                                                                | 278723           | 278723           | 365.5             | 16                                    |
| 30          |                                                                                                                | 846080           | 846080           | 197.5             | 18                                    |
| 31          |                                                                                                                | 846797           | 846797           | 245.5             | 18                                    |
| 32          |                                                                                                                | 887905           | 887905           | 110.5             | 20                                    |

X pre-worked:  
(only self-manufacturing)

6±0,1 (6,1±0,1 ①)  
2,8±0,1 (2,75±0,1 ①)

30° 45°

R0,4±0,1

Ø8,6±0,1  
pre-turned  
dim.

Ø9,6±0,2  
(Ø10 ② / ③)

① dim. before grinding  
at piston rod dia. 10,2±0,1

X

6±0,1

Control dimension!  
100 % visual checking

2,8±0,1

1,8±0,15  
0,7±0,1

knurl ④

Ø8,7±0,2  
after  
knurling ④

Ø9,6±0,2  
(Ø10 ② / ③)

④ knurl-profile manuf.  
with knurl roll DIN 82 - RAA 0,5

version 1 (only self-manufacturing) \* material: 010154  
nislide ①

Technical drawing of version 1 piston rod. Dimensions include: 16 +0,5, 1,5, 0,3x45°, 248.5 ±0,3, 14 +0,3, 0,1 A. Surface treatment: hardnesses ③, R<sub>max</sub> ①, R<sub>z</sub> 100, R<sub>z</sub> 5, R<sub>z</sub> 100. Thread: M10x1,6g, Ø8 ±0,2, Ø4,2 ±0,125, Ø10 ②. Threaded stud pre-turned dimension Ø9,29 ±0,05, thread roll tolerance 6e, thread tolerances acc. to DIN ISO 965-3.

③ before grinding: Hardness depth and hardness test acc. to STAB-Spec. 10258370  
④ tolerance  $\begin{matrix} +0,2 \\ -0,1 \end{matrix}$  after turning  
 $\begin{matrix} \pm 0,3 \\ \pm 0,3 \end{matrix}$  after straightening  
 $\begin{matrix} \pm 0,3 \\ \pm 0,3 \end{matrix}$  after nisliding

version 2 (only external production) \* material: 1.1193 S45C JISG 4051  
nitrided ⑤

Technical drawing of version 2 piston rod. Dimensions include: 16 ±0,5, 1,5, 0,3x45°, 248.5 ±0,3, 14 +0,3, 0,1 A. Surface treatment: run area ⑤, R<sub>z</sub> 100, R<sub>z</sub> 100, R<sub>z</sub> 100, R<sub>z</sub> 100. Thread: M10x1,6g, Ø8 ±0,2, Ø4,2 ±0,125, Ø10 ②. Threaded stud pre-turned dimension Ø9,29 ±0,05, thread roll tolerance 6e, thread tolerances acc. to DIN ISO 965-3.

run area ⑤

15 -5

5 -5

100% cleanliness of through hole

approved lengths: 60-550 mm approved lengths thread: 16-35 mm

|           |                          |     |     |     |                              |       |                                                        |  |                 |  |                                                                                                                                                   |                                                      |  |                                                                                                                                                                                                                                                          |               |                               |            |           |
|-----------|--------------------------|-----|-----|-----|------------------------------|-------|--------------------------------------------------------|--|-----------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------|------------|-----------|
|           |                          |     |     |     |                              |       | ATAG CQI-standards acc. to STAB-Spec. 10027692         |  |                 |  |                                                                                                                                                   | Environmental protection acc. to STAB-Spec. 10005649 |  |                                                                                                                                                                                                                                                          |               |                               |            |           |
| DE: X     | EN: X                    | ES: | IT: | PR: | FR:                          | RO: X | CAD created document handwritten changes not permitted |  |                 |  | Material:<br><br>★<br><br><br>Edge tolerances acc. to DIN ISO 13715<br><br>Surface finish DIN EN ISO 1302<br><br>Replaces:<br><br><b>STABILUS</b> | All dimensions are in mm                             |  |  Marking of special characteristics according to STAB-Spec. 10270932                                                                                                |               | Drawn by                      | Date       | Name      |
| new       | thread roll tolerance 6e |     |     |     | ⊕ = acc. STAB-Spec. 10258370 |       | new format Internal/Supplier                           |  | B ±0,5          |  |                                                                                                                                                   | Scale: (Original DIN A3) 2:1                         |  | Dimensions without tolerances DIN ISO 2768-mK                                                                                                                                                                                                            |               | Checked                       | 21.01.2008 | Höfer     |
| old       | thread roll tolerance 6g |     |     |     | ⊕ = RHT 0,4 .... 0,7 mm      |       | Supplier drawing separately                            |  | B +0,5          |  |                                                                                                                                                   |                                                      |  |                                                                                                                                                                                                                                                          |               |                               | 24.02.2022 | Tilea, N. |
| Field     | B8                       |     |     |     | C 7-8                        |       | -                                                      |  | D/4             |  |                                                                                                                                                   |                                                      |  | We reserve all rights to this document, to any patents or patent registrations related hereto, and to the duplication, retransmission by third parties and misc. use. Any use of this document is not permitted without the written consent of STABILUS. |               | Document No.:<br><br>10152095 |            |           |
| Date/Name | 16.06.2015 Donat         |     |     |     | 15.05.2019 Donat             |       | 25.06.2021 Jablonski                                   |  | 24.02.2022 Hein |  |                                                                                                                                                   |                                                      |  |                                                                                                                                                                                                                                                          |               |                               |            |           |
| Chg. No.  | 639400                   |     |     |     | 678703                       |       | 698250                                                 |  | 707230          |  |                                                                                                                                                   |                                                      |  |                                                                                                                                                                                                                                                          | Material No.: |                               |            |           |
| Rev.      | 6                        |     |     |     | 7                            |       | 8                                                      |  | 9               |  |                                                                                                                                                   |                                                      |  |                                                                                                                                                                                                                                                          |               |                               |            |           |