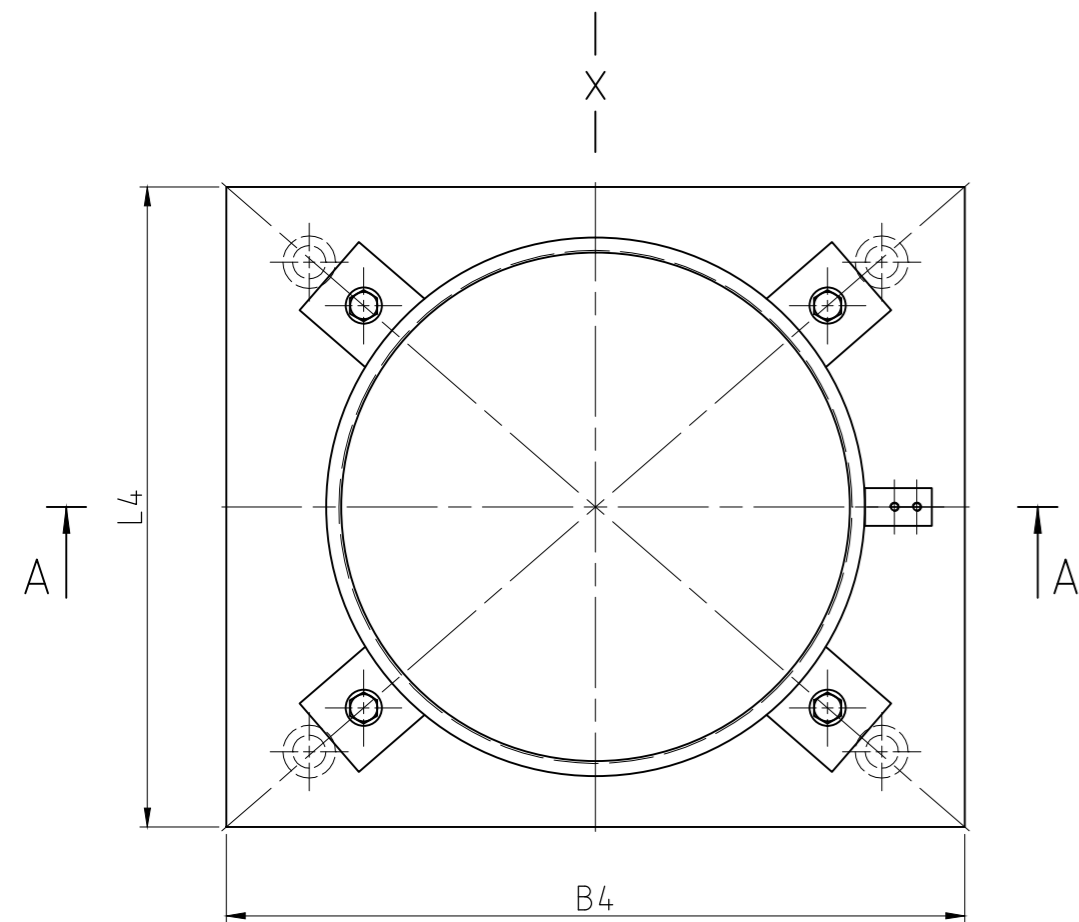
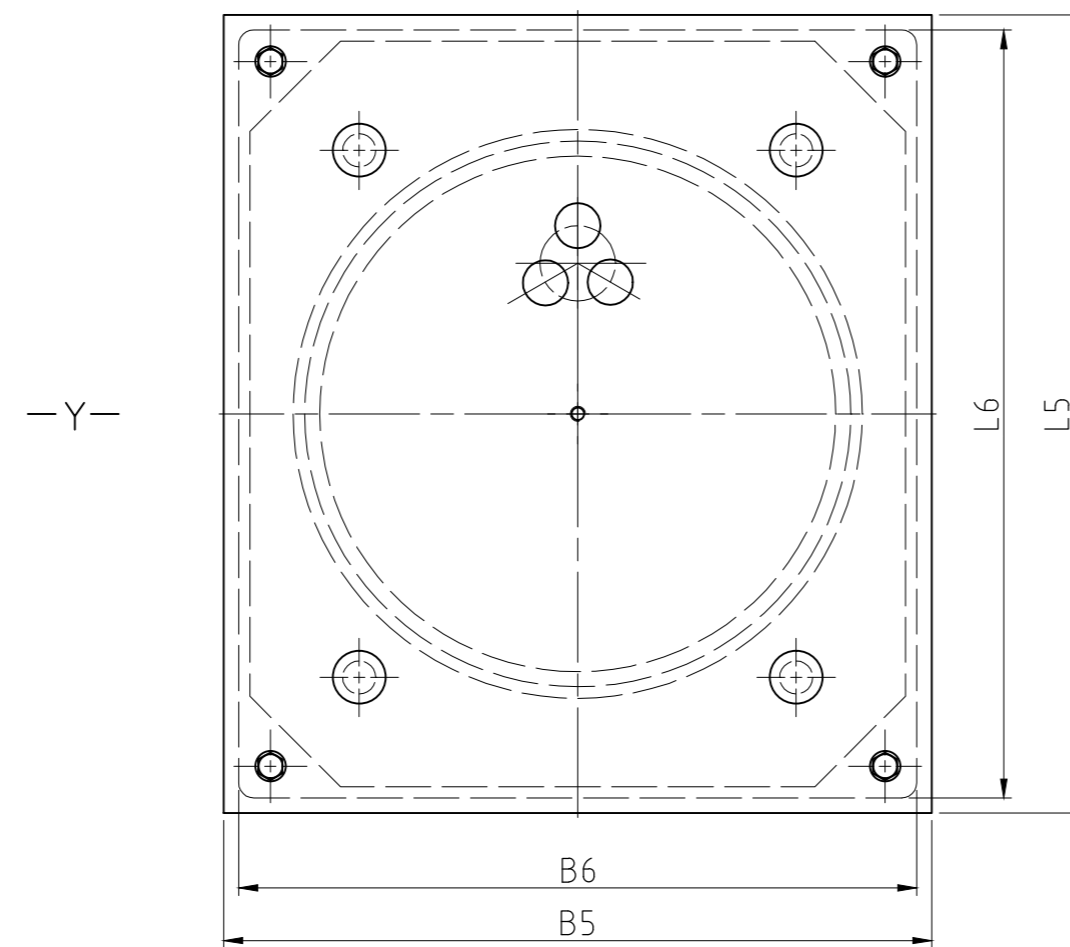


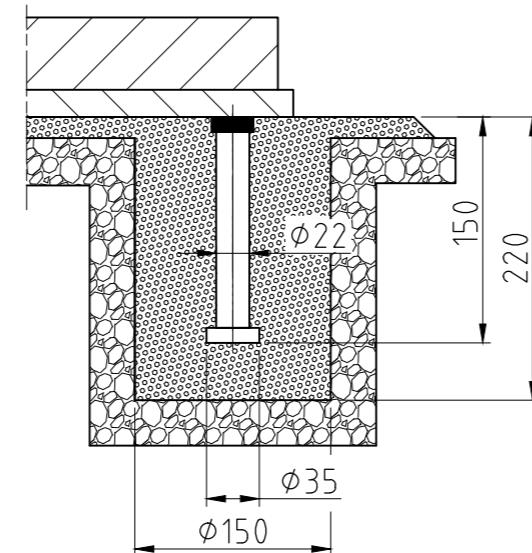
Section/ Schnitt A-A



Bottom part / Unterteil



Sliding Plate / Gleitplatte



Levelling of the bearing using a temporary levelling device on the milled recess on the top surface of the bearing is not possible after the bearing has been connected to the bridge deck!

Einnivellierung des Lagers von oben mit 3-Punkt-Messebene; nach Einbau des Lagers ist diese Ausrichtung nicht mehr möglich!

Loads acc. to EN 1991-2 / EC 1

| Type | Loads (kN) | |
|---------|--------------|--------------|
| | $N_{Rd,max}$ | $N_{Rd,min}$ |
| KA 1.0 | 1000 | 300 |
| KA 2.0 | 2000 | 600 |
| KA 3.0 | 3000 | 900 |
| KA 4.0 | 4000 | 1200 |
| KA 5.0 | 5000 | 1500 |
| KA 6.0 | 6000 | 1800 |
| KA 7.0 | 7000 | 2100 |
| KA 8.0 | 8000 | 2400 |
| KA 9.0 | 9000 | 2700 |
| KA 10.0 | 10000 | 3000 |
| KA 12.0 | 12000 | 3600 |
| KA 15.0 | 15000 | 4500 |
| KA 20.0 | 20000 | 6000 |
| KA 25.0 | 25000 | 7500 |
| KA 30.0 | 30000 | 9000 |
| KA 40.0 | 40000 | 12000 |
| KA 50.0 | 50000 | 15000 |

DIMENSIONS (mm)

| Type | $\varnothing D1$ | B6 | L6 | B4 | L4 | B5 | L5 | H | kg |
|---------|------------------|------|------|------|------|------|------|-----|------|
| KA 1.0 | 126 | 215 | 290 | 316 | 316 | 316 | 345 | 102 | 46 |
| KA 2.0 | 171 | 260 | 320 | 316 | 316 | 340 | 390 | 114 | 63 |
| KA 3.0 | 205 | 295 | 355 | 316 | 340 | 375 | 425 | 124 | 84 |
| KA 4.0 | 235 | 325 | 385 | 321 | 365 | 405 | 455 | 124 | 98 |
| KA 5.0 | 257 | 350 | 410 | 354 | 390 | 430 | 480 | 135 | 120 |
| KA 6.0 | 285 | 375 | 435 | 389 | 420 | 455 | 505 | 137 | 141 |
| KA 7.0 | 301 | 395 | 455 | 422 | 435 | 475 | 525 | 148 | 168 |
| KA 8.0 | 331 | 425 | 485 | 452 | 465 | 505 | 555 | 146 | 191 |
| KA 9.0 | 339 | 430 | 490 | 478 | 478 | 510 | 560 | 158 | 224 |
| KA 10.0 | 368 | 460 | 520 | 506 | 506 | 540 | 590 | 158 | 254 |
| KA 12.0 | 386 | 480 | 540 | 560 | 560 | 560 | 610 | 186 | 341 |
| KA 15.0 | 452 | 545 | 605 | 625 | 625 | 625 | 675 | 191 | 447 |
| KA 20.0 | 536 | 630 | 690 | 709 | 709 | 710 | 760 | 206 | 638 |
| KA 25.0 | 574 | 665 | 725 | 797 | 797 | 798 | 800 | 236 | 919 |
| KA 30.0 | 637 | 740 | 800 | 862 | 862 | 856 | 870 | 268 | 1189 |
| KA 40.0 | 837 | 945 | 1005 | 1028 | 1028 | 1030 | 1080 | 237 | 1619 |
| KA 50.0 | 914 | 1017 | 1077 | 1139 | 1139 | 1133 | 1150 | 283 | 2310 |

ANGEWANDTE NORM / APPLIED STANDARD

Konstruktive Ausführung gemäss / Design according to : EN 1337

Lasten nach : / Loads according to : ENV 1991-3 / EC 1

MAX. MÖGLICHE BEWEGUNG / MAX. POSSIBLE MOVEMENT

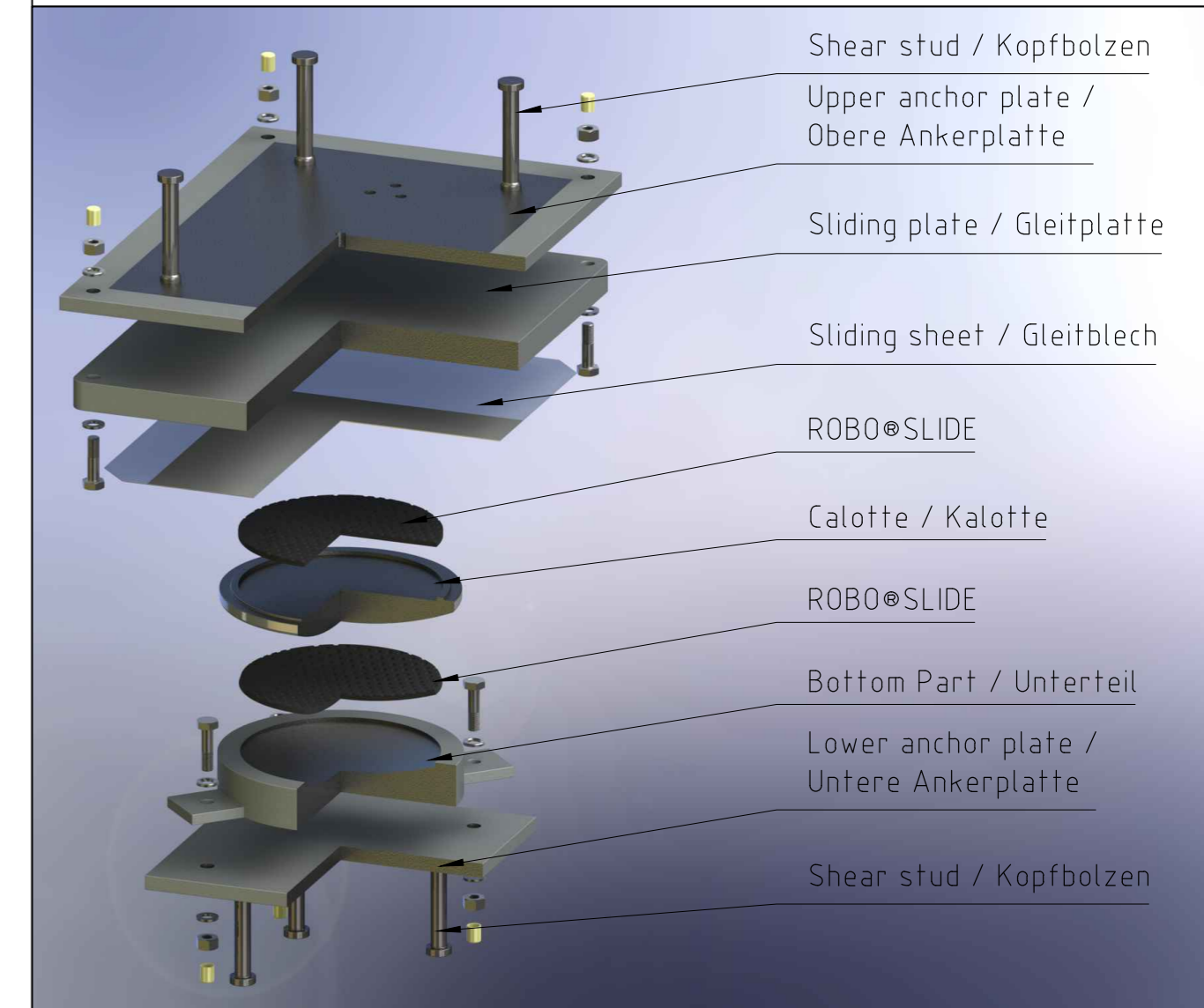
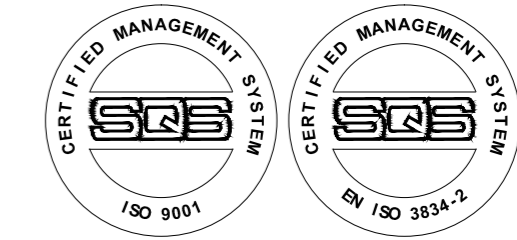
Ohne Bewegungszuschläge nach : / Exclusive of increased movement according to : EN 1337-1

Verschiebung / Displacement v_x = ± 50 mm

Verschiebung / Displacement v_y = ± 20 mm

Verdrehung / Rotation α_{xy} = ± 13 ‰

QUALITY MANAGEMENT / QUALITÄTSSICHERUNG:



| | | | | | |
|---|---|-----------------------------------|----|-------------|--|
| 1 | Calotte / Kalotte | $\varnothing D4 \times (T4 + H6)$ | 8 | S355J2+N | |
| 8 | Shear stud / Kopfbolzen | D22x150 | 29 | S235JR+C450 | |
| 1 | Bottom part / Unterteil | $\varnothing D1 \times T1$ | 2 | S355J2+N | |
| 1 | Upper anchor plate / Obere Ankerplatte | L5x B5x T13 | 15 | S235JR | |
| 1 | Sliding plate / Gleitplatte | L6x B6x T6 | 12 | S355J2+N | |
| 1 | Sliding sheet / Gleitblech | L1x B1x T9 | 11 | 1.4404 | |
| 2 | ROBO@SLIDE L2 | $\varnothing D5 \times T5$ | 10 | ROBO@SLIDE | |
| 1 | Lower anchor plate / Untere Ankerplatte | L4x B4x T12 | 1 | S235JR | |

| ANZ. | BENENNUNG | DIMENSIONEN | POS. | MATERIAL | ARTIKEL |
|---|--|-------------|----------|--|----------|
| 00 | | | | | |
| Revision | Date | Description | Prepared | Reviewed | Approved |
| | | | | Article-No.: | |
| | | | | General tolerances according ISO 2768- | |
| Client: | | | Scale: | Weight: | |
| Project: | | | | | |
| Structural Member: | Spherical Bearing with Robo@Slide Type KA (free sliding) | Location: | P-No.: | Sheet-No.: | |
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| | | | | KA with Robo@Slide | |

TECHNICAL SPECIFICATION

- Bearings are equipped with ROBO@SLIDE high-grade sliding material
- ROBO@SLIDE has the European Technical Approval ETA-08/0115
- The relevant characteristic properties of ROBO@SLIDE are:
 - characteristic permissible pressure $f_k = 180 \text{ N/mm}^2$
 - friction coefficient $\mu < 0,020$ with $T \geq -5^\circ \text{C}$
- Requirements for connecting concrete bridge structure to allow an optimal load transfer:
 - Concrete quality C50/60 (EC2)
 - Cone-shaped dispersion of stress in the connecting structure

TECHNISCHE SPEZIFIKATION

- Lager ist mit hochwertigem Gleitmaterial ROBO@SLIDE ausgestattet
- ROBO@SLIDE besitzt die Europäische Technische Zulassung ETA-08/0115
- Die relevanten charakteristischen Eigenschaften von ROBO@SLIDE sind:
 - charakteristische zulässige Pressung $f_k = 180 \text{ N/mm}^2$
 - Reibungskoeffizient $\mu < 0,020$ bei $T \geq -5^\circ \text{C}$
- Anforderungen für Betonbrücken, um eine optimale Lastübertragung zu ermöglichen:
 - Betonqualität C50/60 (EC2)
 - kegelförmige Lastausbreitung im Anschlussbauwerk