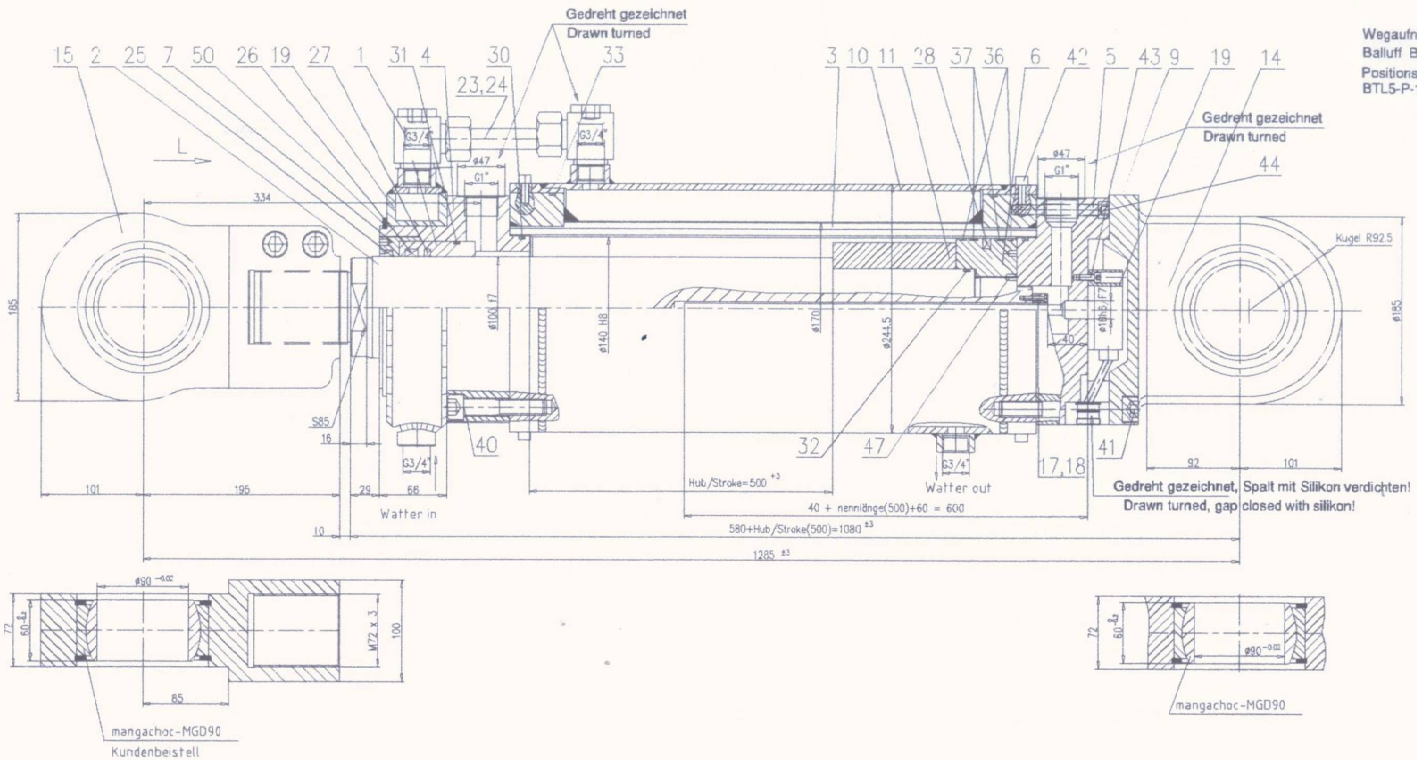
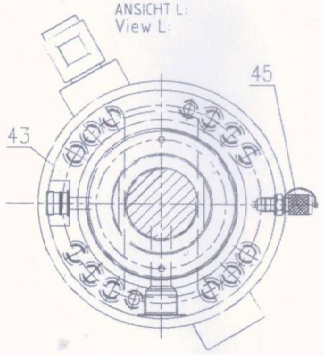
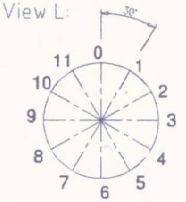
1,

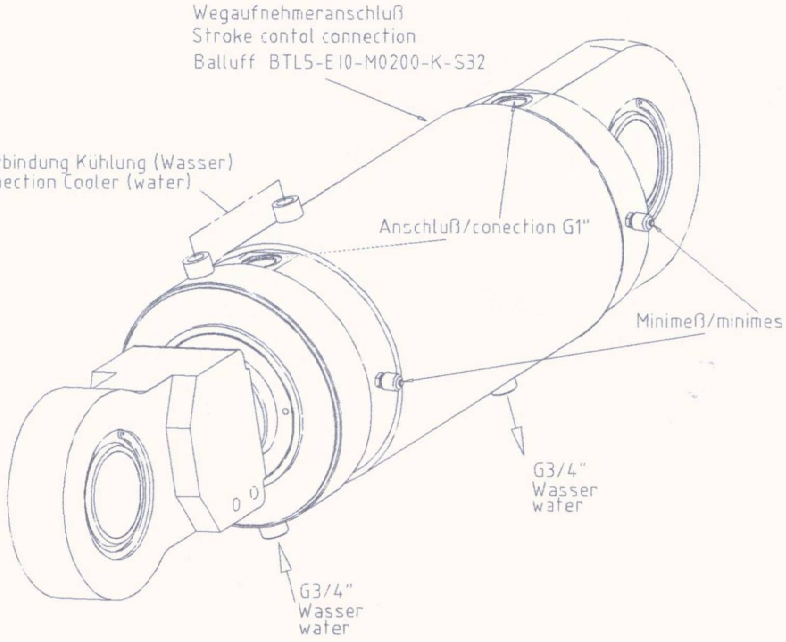



Wegaufnehmer (Poz. 21)
Balluff BTL5-E10-M0200-K-S32
Positionsgeber (Poz.18)
BTL5-P-1013-4R




| | KOPF/HEAD | BODEN/Botton |
|---|---|---|
| Anschluß/connection | 6 | 6 |
| Minimess/minimes | 3 | 3 |
| Dämpfung/damping | - | - |
| Wasseranschlüsse/watercon. | 5 | 5 |
| Wegaufnehmer/Stroke control | - | 9 |




## MATERIAL AND CONSTRUCTION

PISTON ROD: C 45 E
Hardened to a mimimum of HRC 56
effective hardening depth 2-3 mm
Running face hard chrome plated,
thickness of a film 0.025 +0.005 mm
Hardness of hard chrome plated
minimum HRC 60
Piston rod dia tolerance class A-f7
max. rough of running face Ra=0.3um

ZYLINDERROHR: St 52 BK+S
Cylinder bore honed,hardness of
running face 200-225 HB
max rough of running face Ra=0.3um
Cylinder dia inside tolerance class B-H8

GUIDE BUSH: Copper - Tin
GASKETS: Viton/PGM/H-NBR
MEANS OF PRESSURE: Mobil DTE25 (HLP)
AMBIENT TEMPERATUR: -20°C TO +100°C

| | |
|---|---|
| PISTON DIAMETER<br>KOLBENDURCHMESSER | 140 mm |
| ROD DIAMETER<br>KOLBENSTANGENDURCHMESSER | 100 mm |
| OPERATING PRESSURE<br>BETRIEBSDRUCK | 18,0-20,0 MPa |
| TEST PRESSURE<br>PRUFDRUCK | 37,5 MPa |
| STROKE<br>HUB | 500 mm |
| DAMPING DISTANCE<br>DÄMPFUNGSWEG | - |

Dichtungen / Gaskets: VITON/PGM/H-NBR

| | | | |
|---|---|---|---|
| 37 | 2 | Führungsband FHM 9.7x2.5 | Seal c. |
| 36 | 2 | Führungsband FB 5.6x2.5 | Seal c. |
| 33 | 2 | O-Ring+Stü./Backup. 2-268+8-268(215.49x3.53) | |
| 32 | 2 | O-Ring+Stü./Backup. 2-233+8-233(72.62x3.53) | |
| 31 | 1 | O-Ring+Stü./Backup. 2-249+8-249(123.42x3.53) | |
| 30 | 2 | O-Ring+Stü./Backup. 2-252+8-252(132.94x3.53) | |
| 28 | 1 | Kolb.d./Piston s. NPS-140x119x8.1 PTFE/Bz/Viton | |
| 27 | 1 | Stang./Rod s. NCR-100x115.1 6.3 Ptfe/Bz/Viton | |
| 26 | 1 | Stang./Rod s. RS02A-100x115x12 H-NBR/PGM | |
| 25 | 1 | Abstreifer/wipper WR02-100 X112.2X12 H-NBR | |

Sinnbild nach DIN 24300:
Symbol according to DIN 24300:

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Werkstoff | ? | Format A1 | Maßstab 1:2.5 | Art.-Nr. | Kunde | VAI Pamini | | | |
| | | | | | Benennung | HYDRAULIK CYLINDER | | | |
| | | | Datum | Name | Gewicht | | | | |
| | | Projekt | 2006 | | | | | | |
| | | Bearb. | 13.12.2006 | F.Wingert | | 140/100-500 | | | |
| | | | | | Hergestellt aus | | | | |
| | | | | | Rating Nr. | | | | |
| | | | | | Zeichnungsnummer | | Maximaldruck | | Blatt |
| | | | | | 184.CK.365-M8601/MSB001 | | [bar] | 250 | 1 von 1 |
| Index | Änderung | Datum | Name | Schutzvermerk DIN 34 beachten | | | | | |
| | | | | Zulässige Abweichung für Maße ohne Toleranzangabe DIN ISO 2768-mK | | | | | |