



QSIL Group

We enable innovation.

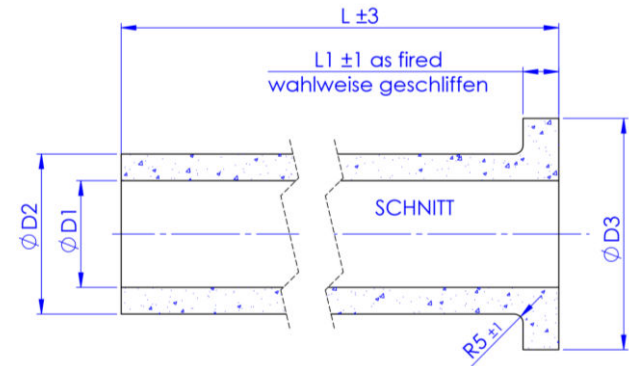
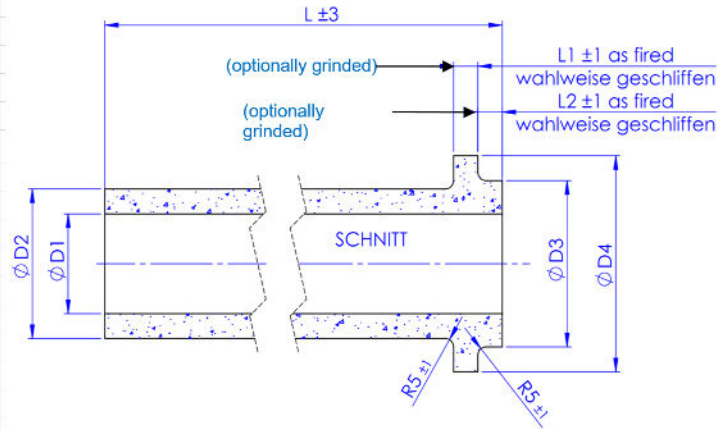
Presentation Foundry Technology





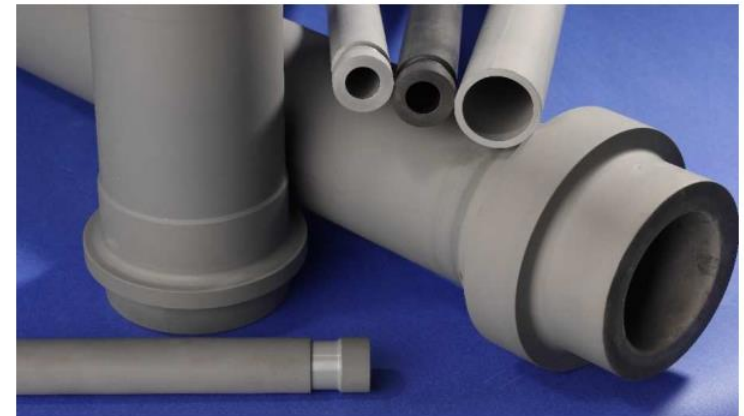
Foundry Technology

Riser Tube



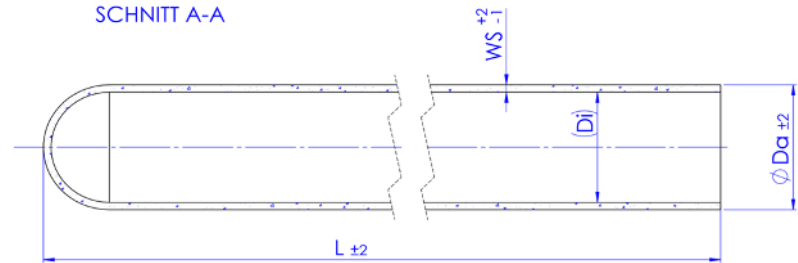
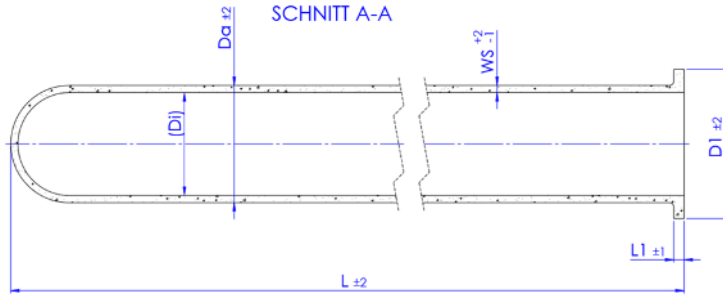
| Nr. | D1 | D2 | D3 | D4 | L1 | L2 | L |
|-----|-------|-------|-------|-------|----|----|------|
| 1 | Ø 60 | Ø 90 | Ø 100 | Ø 130 | 15 | 15 | 590 |
| 2 | Ø 60 | Ø 90 | Ø 60 | Ø 90 | 20 | 44 | 1200 |
| 3 | Ø 60 | Ø 80 | Ø 100 | Ø 120 | 20 | 55 | 590 |
| 4 | Ø 60 | Ø 80 | Ø 100 | Ø 120 | 20 | 55 | 470 |
| 5 | Ø 60 | Ø 80 | Ø 100 | Ø 130 | 20 | 44 | 640 |
| 6 | Ø 60 | Ø 80 | Ø 100 | Ø 130 | 20 | 44 | 730 |
| 7 | Ø 70 | Ø 90 | Ø 100 | Ø 130 | 30 | 30 | 1100 |
| 8 | Ø 70 | Ø 90 | Ø 100 | Ø 130 | 20 | 20 | 920 |
| 9 | Ø 70 | Ø 90 | Ø 100 | Ø 130 | 20 | 20 | 1000 |
| 10 | Ø 70 | Ø 90 | Ø 100 | Ø 130 | 20 | 20 | 1030 |
| 11 | Ø 70 | Ø 90 | Ø 100 | Ø 130 | 20 | 20 | 1050 |
| 12 | Ø 70 | Ø 90 | Ø 100 | Ø 130 | 20 | 44 | 750 |
| 13 | Ø 70 | Ø 90 | Ø 100 | Ø 120 | 15 | 15 | 940 |
| 14 | Ø 70 | Ø 90 | Ø 100 | Ø 120 | 15 | 8 | 1060 |
| 15 | Ø 90 | Ø 110 | Ø 120 | Ø 145 | 20 | 10 | 1150 |
| 16 | Ø 100 | Ø 120 | Ø 130 | Ø 160 | 30 | 30 | 980 |
| 17 | Ø 130 | Ø 155 | Ø 160 | Ø 180 | 15 | 15 | 1100 |

| Nr. | D1 | D2 | D3 | L1 | L |
|-----|-------|-------|-------|----|----------|
| 1 | Ø 60 | Ø 80 | Ø 110 | 20 | 500-1200 |
| 2 | Ø 70 | Ø 90 | Ø 120 | 20 | 500-1200 |
| 3 | Ø 130 | Ø 155 | Ø 180 | 30 | 500-1200 |



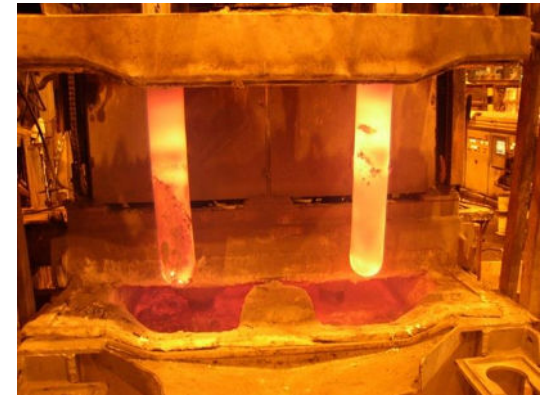
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Heating Pipe



| Nr. | Da | (Di) | WS | L | D1 | L1 |
|-----|--------|---------|------|-------|---------|----|
| 1 | ∅ 82 | ∅ 70 | 4 | 920 | ∅ 105 | 8 |
| 2 | ∅ 87 | ∅ 72 | 7,5 | 820 | ∅ 95 | 20 |
| 3 | ∅ 88,8 | ∅ 71 | 8,9 | 820 | ∅ 95 | 20 |
| 4 | ∅ 112 | ∅ 100 | 6 | 1030 | ∅ 132 | 12 |
| 5 | ∅ 114 | ∅ 104 | 5 | 865 | ∅ 45 | 10 |
| 6 | ∅ 145 | ∅ 135 | 5 | 1320 | ∅ 165 | 8 |
| 7 | ∅ 160 | ∅ 144,5 | 7,75 | 705,5 | ∅ 175,5 | 8 |
| 8 | ∅ 170 | ∅ 155 | 7,5 | 1030 | ∅ 185 | 12 |
| 9 | ∅ 170 | ∅ 158 | 6 | 1030 | ∅ 190 | 12 |
| 10 | ∅ 170 | ∅ 168 | 6 | 1030 | ∅ 190 | 12 |
| 11 | ∅ 178 | ∅ 168 | 5 | 1170 | ∅ 220 | 10 |
| 12 | ∅ 204 | ∅ 192 | 6 | 1300 | ∅ 220 | 10 |

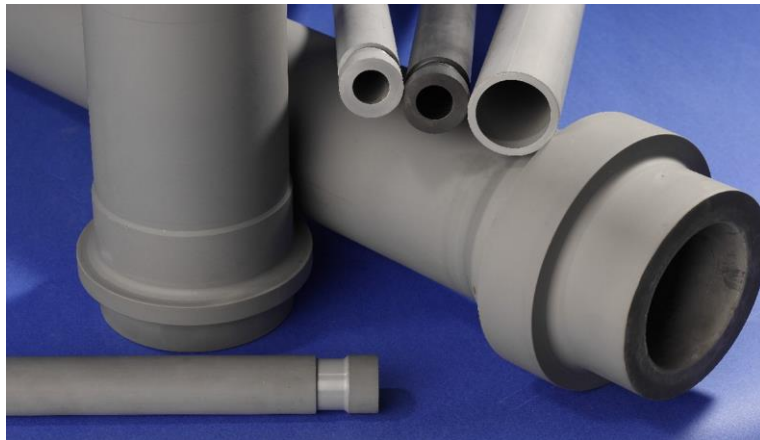
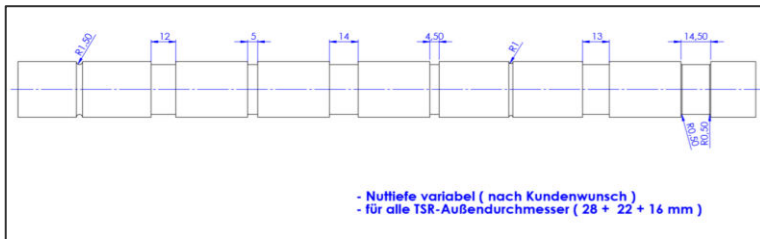
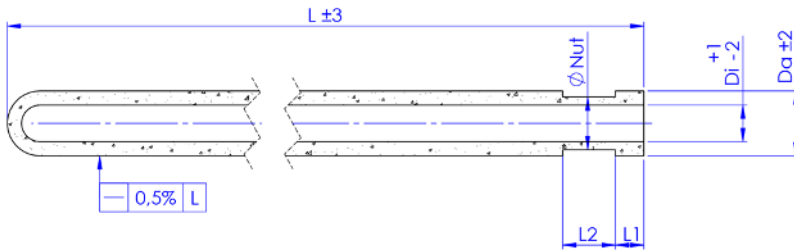
| Nr. | Da | (Di) | WS | L |
|-----|-------|------|-----|------|
| 1 | ∅ 40 | ∅ 32 | 4 | 1200 |
| 2 | ∅ 60 | ∅ 53 | 3,5 | 1070 |
| 3 | ∅ 70 | ∅ 60 | 5 | 1230 |
| 4 | ∅ 80 | ∅ 66 | 7 | 1070 |
| 5 | ∅ 109 | ∅ 97 | 6 | 870 |





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Thermo Protection Tube



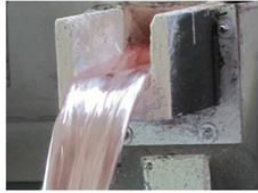

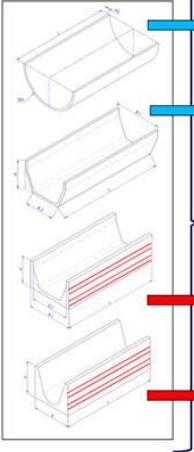
| Nr. | Da | Di | L | L1 | L2 | Ø Nut |
|-----|------|------|------|----------|-----------|----------|
| 1 | Ø 16 | Ø 9 | 1200 | variabel | Ansicht X | variabel |
| 2 | Ø 16 | Ø 9 | 1100 | variabel | Ansicht X | variabel |
| 3 | Ø 16 | Ø 9 | 1000 | variabel | Ansicht X | variabel |
| 4 | Ø 16 | Ø 9 | 900 | variabel | Ansicht X | variabel |
| 5 | Ø 16 | Ø 9 | 800 | variabel | Ansicht X | variabel |
| 6 | Ø 16 | Ø 9 | 700 | variabel | Ansicht X | variabel |
| 7 | Ø 16 | Ø 9 | 600 | variabel | Ansicht X | variabel |
| 8 | Ø 16 | Ø 9 | 500 | variabel | Ansicht X | variabel |
| 9 | Ø 16 | Ø 9 | 400 | variabel | Ansicht X | variabel |
| 10 | Ø 16 | Ø 9 | 350 | variabel | Ansicht X | variabel |
| 11 | Ø 16 | Ø 9 | 300 | variabel | Ansicht X | variabel |
| 12 | Ø 16 | Ø 9 | 200 | variabel | Ansicht X | variabel |
| 13 | Ø 22 | Ø 12 | 1275 | variabel | Ansicht X | variabel |
| 14 | Ø 22 | Ø 12 | 1100 | variabel | Ansicht X | variabel |
| 15 | Ø 22 | Ø 12 | 1000 | variabel | Ansicht X | variabel |
| 16 | Ø 22 | Ø 12 | 900 | variabel | Ansicht X | variabel |
| 17 | Ø 22 | Ø 12 | 800 | variabel | Ansicht X | variabel |
| 18 | Ø 22 | Ø 12 | 700 | variabel | Ansicht X | variabel |
| 19 | Ø 22 | Ø 12 | 600 | variabel | Ansicht X | variabel |
| 20 | Ø 22 | Ø 12 | 500 | variabel | Ansicht X | variabel |
| 21 | Ø 22 | Ø 12 | 450 | variabel | Ansicht X | variabel |
| 22 | Ø 22 | Ø 12 | 400 | variabel | Ansicht X | variabel |
| 23 | Ø 22 | Ø 12 | 300 | variabel | Ansicht X | variabel |
| 24 | Ø 22 | Ø 12 | 200 | variabel | Ansicht X | variabel |
| 25 | Ø 28 | Ø 16 | 1275 | variabel | Ansicht X | variabel |
| 26 | Ø 28 | Ø 16 | 1200 | variabel | Ansicht X | variabel |
| 27 | Ø 28 | Ø 16 | 1100 | variabel | Ansicht X | variabel |
| 28 | Ø 28 | Ø 16 | 1050 | variabel | Ansicht X | variabel |
| 29 | Ø 28 | Ø 16 | 1000 | variabel | Ansicht X | variabel |
| 30 | Ø 28 | Ø 16 | 900 | variabel | Ansicht X | variabel |
| 31 | Ø 28 | Ø 16 | 800 | variabel | Ansicht X | variabel |
| 32 | Ø 28 | Ø 16 | 700 | variabel | Ansicht X | variabel |
| 33 | Ø 28 | Ø 16 | 600 | variabel | Ansicht X | variabel |
| 34 | Ø 28 | Ø 16 | 500 | variabel | Ansicht X | variabel |
| 35 | Ø 28 | Ø 16 | 450 | variabel | Ansicht X | variabel |
| 36 | Ø 28 | Ø 16 | 400 | variabel | Ansicht X | variabel |
| 37 | Ø 28 | Ø 16 | 350 | variabel | Ansicht X | variabel |
| 38 | Ø 28 | Ø 16 | 300 | variabel | Ansicht X | variabel |
| 39 | Ø 28 | Ø 16 | 200 | variabel | Ansicht X | variabel |
| 40 | Ø 28 | Ø 16 | 1400 | variabel | Ansicht X | variabel |
| 41 | Ø 28 | Ø 18 | 1700 | variabel | Ansicht X | variabel |



Foundry Technology

Other Parts

Pouring systems

- Schlickergussfähig (casted)
- Schlickergussfähig (casted)
- Länge gesintert 1000 mm
(Length sintered 1000 mm)
- Geometrie nach Vorgabe Kunde
(Geometry according to customer request)
- Sonderabmessung problemlos abbildbar
(special dimensions easily reproducible)
- w.w. beheizt (optionally heated)
- w.w. beheizt (optionally heated)

info@fcti.de | www.FCTI.de

Degasing

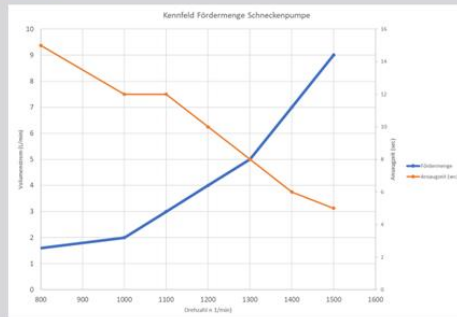


Flame tubes/support crosses

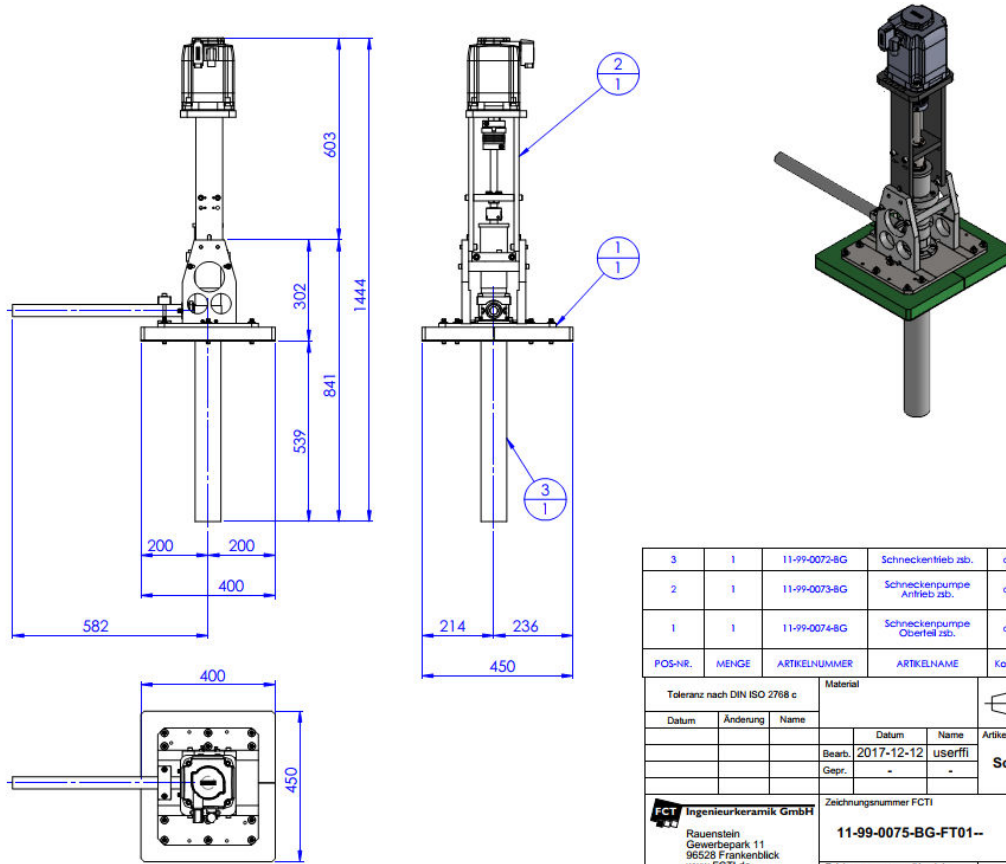


**Ceramic pumps -
Highest performance
under the most
demanding conditions**

Kennfeld

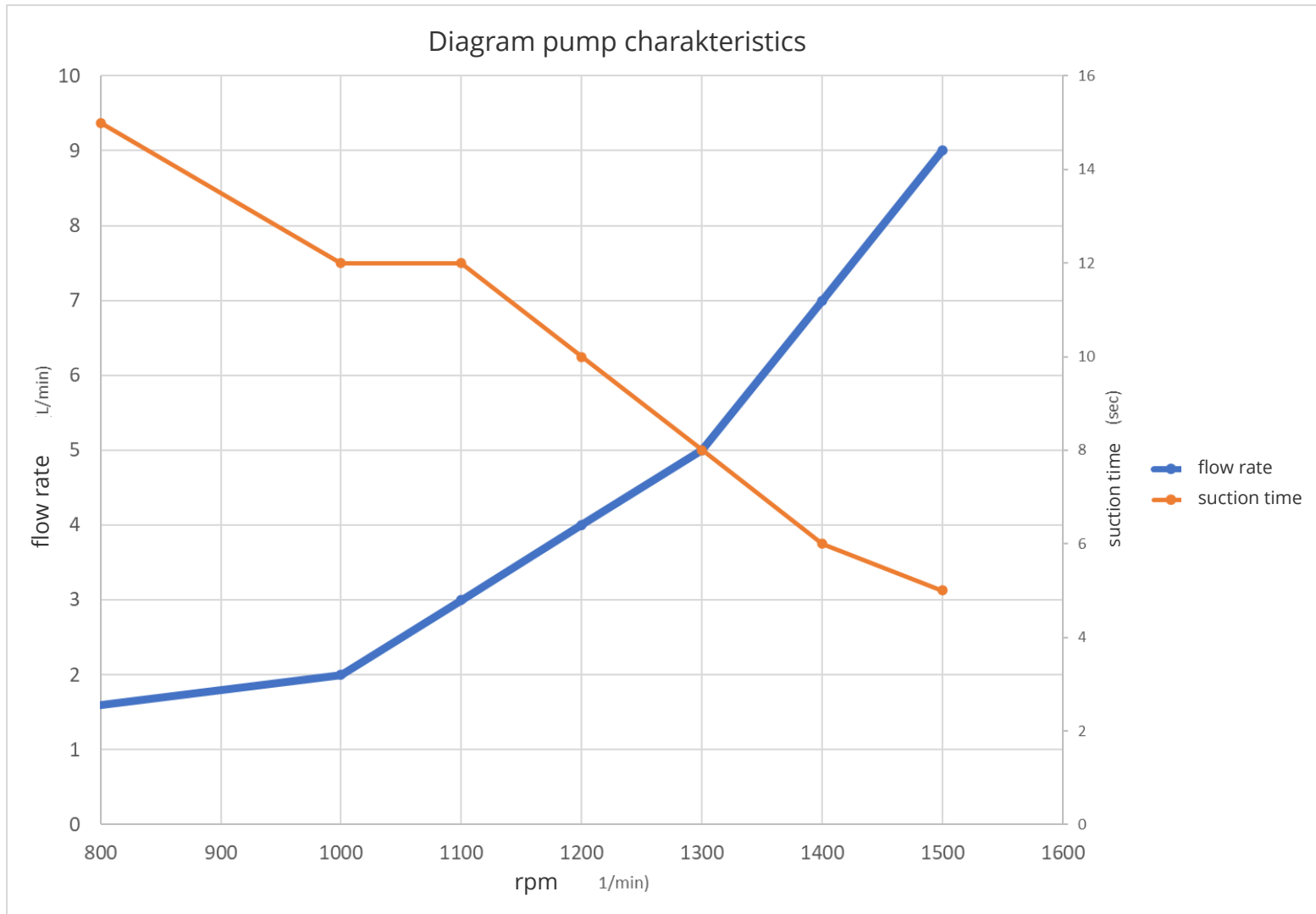


Fertigteil



| 3 | 1 | 11-99-0072-BG | Schneckenlieb. zb. | α | FD1 | + | + | |
|--|----------|---------------|--|------------|---------------------|--------------|---------------------------------|-------------------|
| 2 | 1 | 11-99-0073-BG | Schneckenpumpe Antrieb. zb. | α | FD0 | + | + | |
| 1 | 1 | 11-99-0074-BG | Schneckenpumpe Oberfl. zb. | α | FD0 | + | + | |
| POS-NR. | MENGE | ARTIKELNUMMER | ARTIKELNAME | Konf. | Rev. FT | Rev. RT | Rev. GT | BEVERKUNG |
| Toleranz nach DIN ISO 2768 c | | | | Material | | | | Masse 45.85 kg |
| Datum | Änderung | Name | Datum | Name | Artikelname | | | |
| | | | Bearb. | 2017-12-12 | userffi | | | |
| | | | Gepr. | - | Schneckenpumpe zsb. | | | |
| Ingenieurkeramik GmbH Rauenstein Gewerbestraße 11 98529 Frankenblick www.FCTI.de | | | Zeichnungsnummer FCTI 11-99-0075-BG-FT01-- | | | Blatt 1/1 | Maßstab 1:10 Format A3 | |
| | | | Zeichnungsnummer (Kunde) | | | | | |

≡ Diagram



≡ Properties

That can be our ceramic

- low tendency to adhere to NE + aluminum melts
- extreme wear, corrosion and oxidation resistance
- high strength, coupled with high fracture toughness
- very high rigidity at low density (about 40% of steel)
- extremely good thermal shock resistance
- Increasing the service life in use
- very high chemical, thermal or mechanical loads possible
- no low temperature embrittlement
- very small thermal expansion coefficient / low thermal expansion
- high fatigue strength / long-term stability