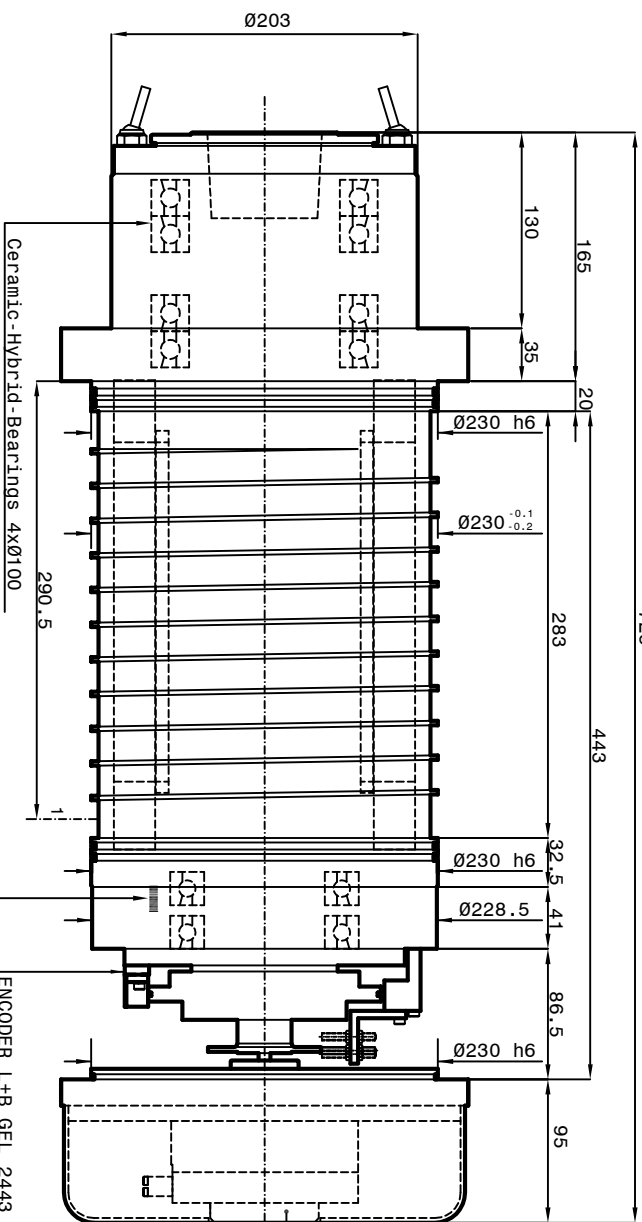


TOOL HOLDER HSK-A100 DIN 69893

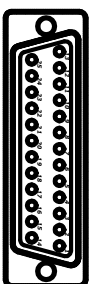


ENCODER L+B GEL 2443 KN-X-512 M=0.3 1Vpp
PT 100 BEARING'S TEMPERATURE SENSOR

Grease Bearings Lubrication

- 1-Coolant inlet (3-4 bar)
- 2-Coolant outlet (Ø8)
- 3-Hydraulic pressure unclamping tool (min 80bar - max 90bar) (Ø5)
- 4-Air pressure clamping tool (Ø5)
- 5-(Return piston) (60bar max). (Ø5)
- 5-Electric connection
- 3 Phases motor - Earth
- Phase W n°2 cables Ø7 mm
- Phase V n°2 cables Ø7 mm
- Phase U n°2 cables Ø7 mm
- Earth n°1 cable Ø10 mm
- 6-Outlet sensor's cables (S1-S2-S4)
- S1 PNP = Toolholders clamped.
- S2 PNP = Toolholders under pressure ready to release.
- S4 PNP = Toolholders not clamped.
- The electrospindle can not turn.
- 7-Front-side pressurization filtered (5µm)
- PT 100 Bearing's temperature sensor
- 8-Tool cooling water (Ø4)
- 9-Tool cooling water (Ø4)
- 10-Tool cooling water (Ø4)
- 11-Outlet encoder's cables (Gel 2444 KN)
- 12-Motor thermal switch (N°1 KTY)
- 13-Inlet filtered air continuous(5µm)
- 14-Inlet filtered air continuous(5µm)
- 15-Inlet filtered air continuous(5µm)
- 16/1-Rotary joint air inlet M5
- 17-Rotary joint leakage outlet (Ø1/8")
- 18-Rotary joint leakage outlet by rotary(Ø0 bar)
- 19-Inlet air arbor's cleaning (Ø bar)
- 20-Inlet air arbor's cleaning (Ø bar)
- 21-The electrospindle cannot turn.
- 22-Inlet air 5 bar 10000 RPM
- 23-Rotary joint leakage outlet (Ø1/8")

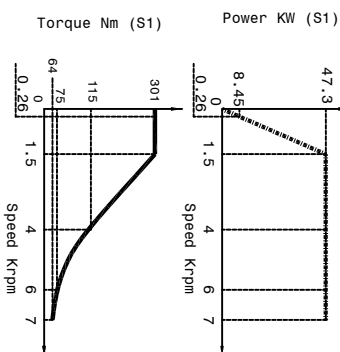
Connector 25 pin



| Signal encoder | A+ | Signal prox | +24V |
|----------------|-----------|--------------------|------|
| 1 = White | A+ | 6 = Brown | 0V |
| 2 = Brown | A- | 7 = Blue | 0V |
| 3 = Pink | B+ | 19 = Black | S1 |
| 4 = Black | B- | 20 = Black | S2 |
| 5 = Grey | R+ | 21 = Black | S4 |
| 14 = Yellow | R- | 22 = not connected | |
| 15 = Red | +5V | 23 = not connected | |
| 16 = Blue | 0V | 24 = not connected | |
| 17 = Green | +5V Sense | 25 = not connected | |
| 18 = Shield | | | |

| Signal thermich switch | White |
|------------------------|--------|
| 8 = Sonde KTY1 | White |
| 9 = Sonde KTY1 | Brown |
| 10 = Sonde KTY2 | White |
| 11 = Sonde KTY2 | Brown |
| 12 = Sonde PTC 145 | Yellow |
| 13 = Sonde PTC 145 | Yellow |

| SPEED | 7000 | 6000 | 4000 | 1500 | 288 | 18 | HPM |
|-------------------------|------|------|------|------|------|------|-----|
| POWER (S1) | 4.97 | 4.00 | 2.92 | 1.00 | 0.18 | 7.18 | KN |
| TORQUE (S1) | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | KN |
| TENSION (S1) | 64 | 73 | 73 | 118 | 118 | 118 | V |
| CURRENT (S6-40% 2 min.) | 438 | 438 | 438 | 438 | 438 | 438 | mA |
| TENSION (S6-40% 2 min.) | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | V |
| CURRENT (S6-40% 2 min.) | 374 | 374 | 374 | 374 | 374 | 374 | mA |
| TENSION (S6-40% 2 min.) | 438 | 438 | 438 | 438 | 438 | 438 | V |
| CURRENT (S6-40% 2 min.) | 320 | 320 | 320 | 320 | 320 | 320 | mA |



Synchronous motor: 8 poles
Runout taper: 0.002mm

Choke = 0.6 mH/phase

Peron Speed
SUBJECT: PS TCV-230-SP
CUSTOMER: GREATWALL

Sheet: 1/1
DJS, N°5499-00
DATE: 09/03/2020

