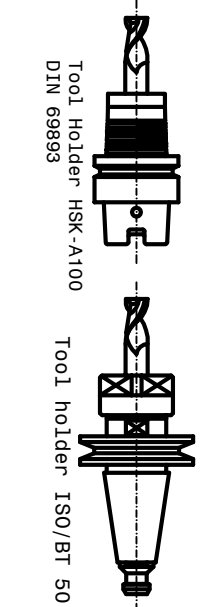


Ceramic-Hybrid Bearings 4XØ100

System to block the shaft by Hirt gear
With n°12 blocking positions PT 100 Bearings temperature sensor

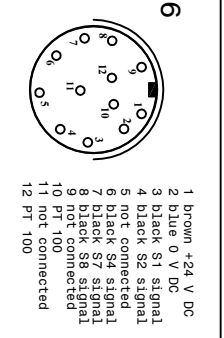
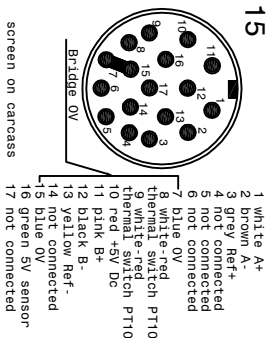
Cooling Capacity = 9200 Watt
Grease Bearings Lubrication

- 1-Coolant inlet (G1/2") (3*4 bar) (20 l/min.)
- 2-Coolant outlet (G1/2")
- 3-Hydraulic pressure unclamping tool (min 80bar - max 90bar) (G1/4") (66 cm³)
- 4-Hydraulic pressure clamping tool (Return piston) (10bar max) (G1/4") (38 cm³)
- 5-Electric connection (L=300)
- 3 Phases motor - Earth
- 5/a Phase U1-U3-V1-V3 n°4 cables 16mm²-Ø7.5
- 5/b Phase W1-W3-Earth n°4 cables 16mm²-Ø7.5
- 6-Outlet sensor's cables (S1-S2-S4) (L=300mm)
- S1 PMP = Piston under pressure ready to receive tools arbor.
- S2 PMP = The electrospindle can not turn.
- S4 PMP = Toolholders not clamped The electrospindle cannot turn.
- S7 = Sensor shaft to block
- S8 = Sensor shaft unblock
- 7-Front-100 Bearing's temperature sensor (1-1.5 bar) (G1/8")
- 8-Tool cooling water (G3/8") (20 bar)
- 15-Outlet encoder's cables (Gel 2444 KN) (L=300mm)
- Motor thermal switch (N°1 PT 1000)
- 17-Tool's Lubro refrigerant inlet by rotary (80 bar) joint (G1/4")
- Inlet air arbor's cleaning (6 bar)
- 18-rotary joint leakage outlet (G1/8")
- 21-Oil inlet to block the shaft (60bar) (G1/4")
- 22-Oil inlet to unblock the shaft (60bar) (G1/4")

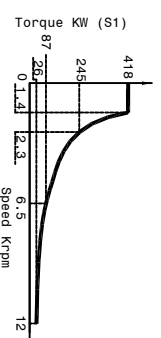
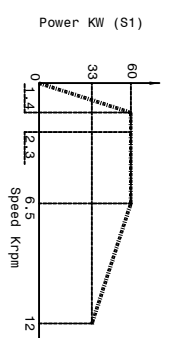


Tool Holder HSK-A100
DIN 69893

Tool holder ISO/BT 50



SPEED	Hz	1400	2300	6500	12000
FREQUENCY	Hz	98	157	441	800
POWER (S1)	KW	60	60	60	32
TORQUE (S1)	Nm	418	245	97	28
TENSION (S1)	V	230	380	380	380
CURRENT (S1)	A	200	140	118	72
POWER (S6-40% 2 mln.)	KW	75	75	75	33
TORQUE (S6-40% 2 mln.)	Nm	527	306	110	26
TENSION (S6-40% 2 mln.)	V	230	380	380	380
CURRENT (S6-40% 2 mln.)	A	245	160	148	72



Asynchronous motor: 8 poles
Runout taper: 0.002mm

Peron Speed
SUBJECT: PSI TCV-T-301
CUSTOMER:

Sheet: 1/1
Dls: n° 5191-00-01
DATE: 19/08/2022