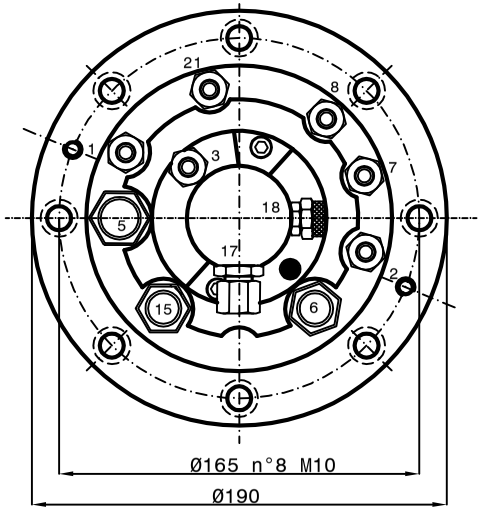
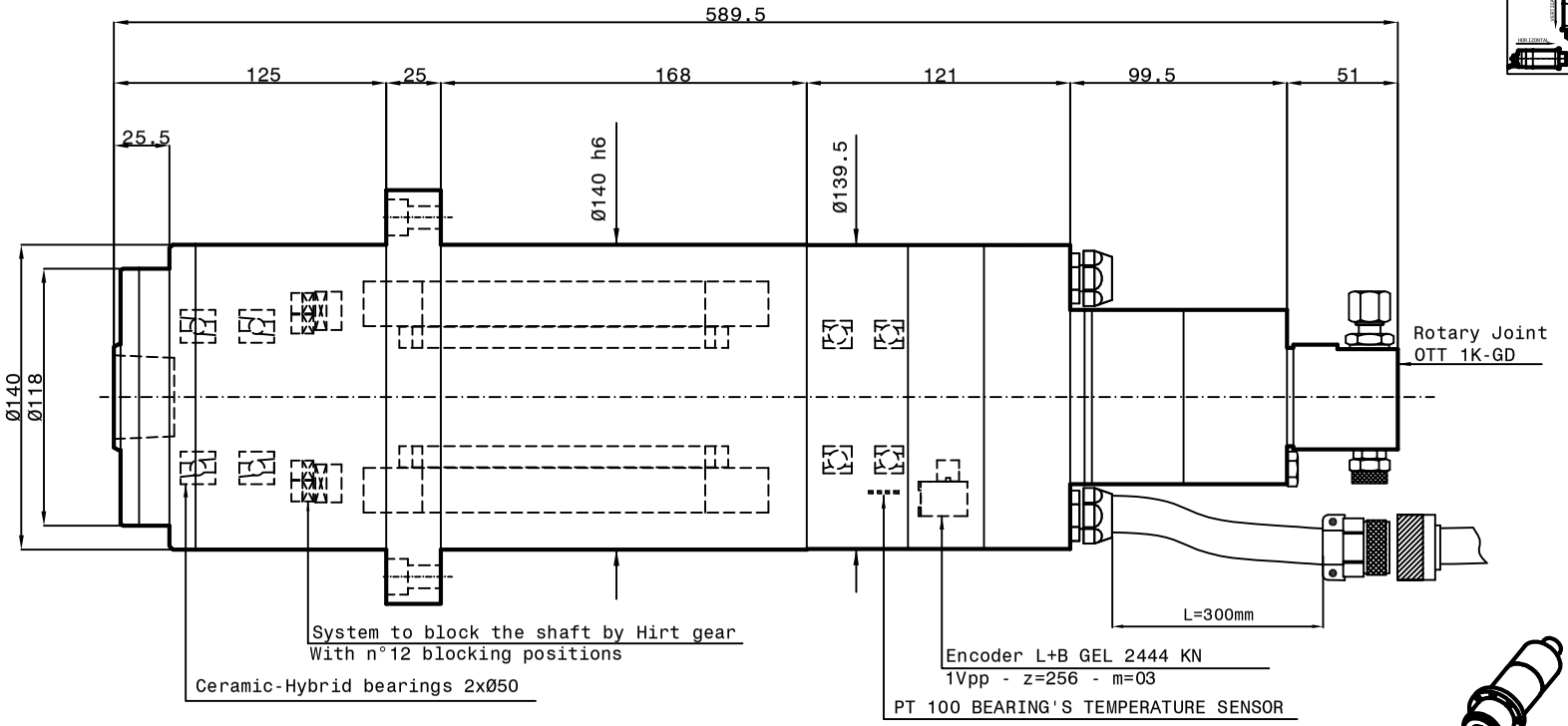
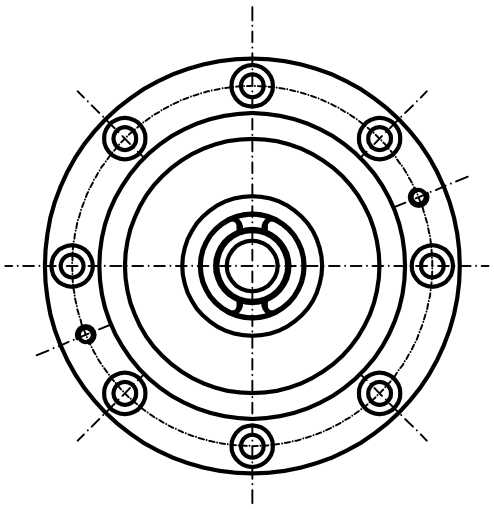
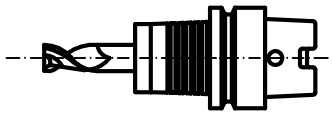
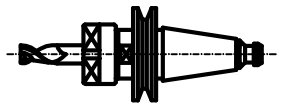








Tool holder HSK A/E50 DIN 39893

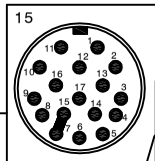


Tool holder ISO/BT 30

Cooling capacity = 2450 Watt
Grease Bearings Lubrication

1-Coolant inlet (G1/8")(5 l/min.)(3-4 bar)
2-Coolant outlet (G1/8")
3-Hydraulic pressure unclamping
tool (min 50bar - max 90bar) (G1/4")
5-Elettric connection (L=300)
3 Phases motor - Earth
6-Outlet sensor's cables (S1-S2-S4)(L=300mm)
S1 = Toolholders clamped.
S2 = Piston under pressure ready
to receive tools arbor.
The electrospindle can not turn.
S4 = Toolholders not clamped
The electrospindle cannot turn.
S7 = Sensor shaft to block
The electrospindle can not turn.
S8 = Sensor shaft unblock
-PT 100 Bearing's temperature sensor
7-Front-side pressurization filtred (5µm)
(1-1.5 bar) (G1/8")
8-Tool cooling water (G1/8")(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 leackage outlet (G1/8")
21-Oil inlet to block the shaft (60bar)(G1/8")

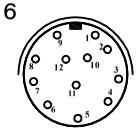
15



Bridge 0V
screen on carcass

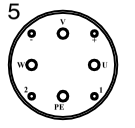
1 white A+
2 brown A-
3 grey Ref+
4 not connected
5 not connected
6 not connected
7 blue 0V
8 white-red
thermal switch PT 1000
9 white-red
thermal switch Pt 1000
10 red +5V Dc
11 pink B+
12 black B-
13 yellow Ref-
14 not connected
15 not connected
16 green 5V sensor
17 not connected

6



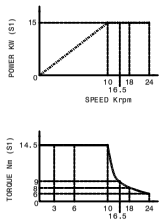
1 brown +24 V DC
2 blue 0 V DC
3 black S1 signal
4 black S2 signal
5 not connected
6 black S4 signal
7 black S7 signal
8 black S8 signal
9 not connected
10 front PT 100
11 shield
12 front PT 100

5



V blue phase V
W black phase W
U brown phase U
PE yellow-green Earth
1 not connected
2 not connected
- not connected
+ not connected

SPEED	RPM	10000	16500	18000	24000
FREQUENCY	Hz	342	553	600	800
POWER (S1)	KW	15	15	15	15
TORQUE (S1)	Nm	14.5	9	8	6
TENSION	V	235	380	380	380
CURRENT	A	55	41	38	34



Asyncronous motor:4 poles Runout taper 0.002mm

Peron Speed

SUBJET:PSI TCV-T-10

CUSTOMER:

Sheet:1/1 | DIS.N°3457-00 | DATE : 17/08/2022