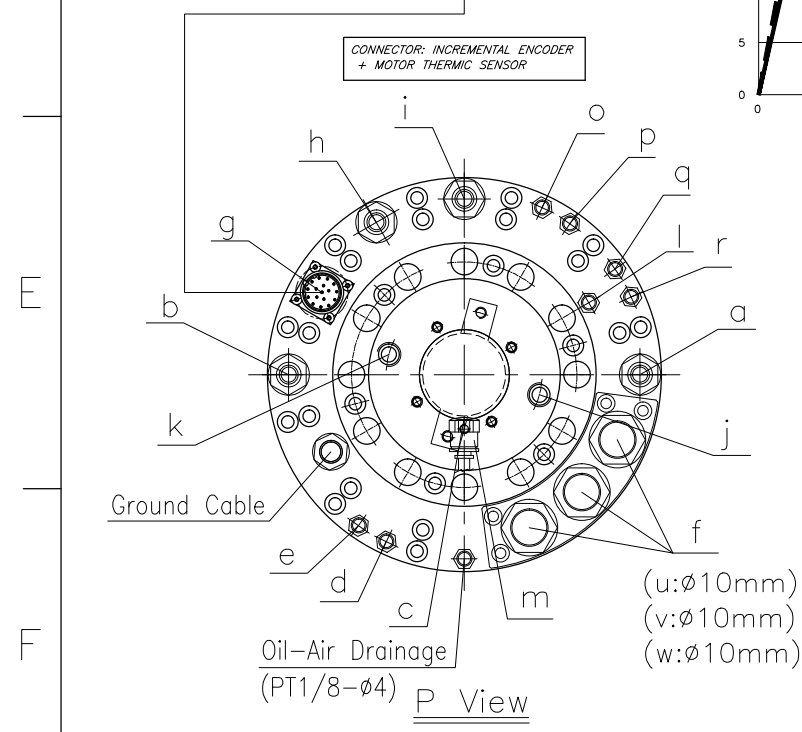
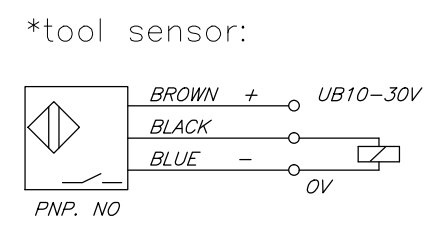


Condition	Tool Unclamping	Tool Clamping	Without Tool
S1	1	0	0
S2	0	1	0
S3	0	1	1

1 : The guiding light turn on
0 : The guiding light turn off



Spindle max. speed : 20000 RPM
Motor number of Pole : 4 pole

Mode of operation	S1/100%				S6/60% ts=2min			
Voltage	V	255	380	380	255	380	380	380
Current	A	78	59	50	43	89	65	58
Frequency	Hz	100	149	615	667	100	149	575
Shaft speed	rpm	2870	4390	18020	19620	2790	4380	16770
Shaft power	kW	25	25	25	22	29	29	24
Torque	Nm	83.2	54.4	13.2	10.7	99.3	63.2	16.5

Motor Losses=4300 W max.
The Cooling Capacity=5000 W

a,b	External coolant(PT1/4-PH1/2)		
c	Taper clean C.T.S. coolant inlet (PF1/4)		
d	Air seal(PT1/8- $\phi 6$)		
e	Front brg. temp. cable(PT100)		
f	Power cable	Max. speed	20K rpm
g	Encoder cable	Tool system	HSK A63
h	Cooling out(PT1/4-PH1/2)	Clamping force	18 kN
i	Cooling in(PT1/4-PH1/2)	Front bearing ID	$\phi 70$
j	Tool unclamping hydraulic(PT1/4-PH3/8)	Lubrication	Oil-Air
k	Tool clamping hydraulic(PT1/4-PH3/8)	Cooling system	Water with additive
l	Rear brg. temp. cable(PT100)	Oil volume max.	90 cm ³
m	C.T.S. Drainage	Hydraulic	45~60 kgf/cm ²
o,p,q,r	Bearing lubrication(PT1/8- $\phi 4$)	Remark	C.T.S

Vertical type

ver.	coordinates	Changing content	Modified by	date

PERMISSIBLE MACHING BASIC DIMENSION DEVIATIONS						DRAWN	
>0	>6	>30	>120	>400	>1000	DESIGNED	
± 0.05	± 0.10	± 0.15	± 0.20	± 0.30	± 0.50	CHECKED	
PERMISSIBLE DRILLING BASIC DIMENSION DEVIATIONS						MATERIAL	
PERMISSIBLE ANGLE BASIC DIMENSION DEVIATIONS						SCALE	
						1:4	

setco Precision Solutions

NAME

DWG.NO. 222A140_DIM