



HUC Codification key

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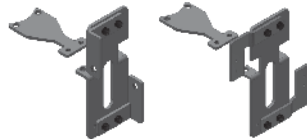
HUC S-120 N 12-2 08

- ① Model
- ② Hydraulic Unclamping Cylinder
 no mark: the type of coolant through spindle system (CTS)
S: No coolant through spindle system
- ③ Bore diameter (mm)
- ④ Magnetic sensing device
N: no switch required
P: OMRON Proximity Switch
L: OMRON Limited Switch
R: RIKO Proximity Switch
- ⑤ Stroke (mm)
- ⑥ the mounting plate

1: L-type mounting plate without coolant through



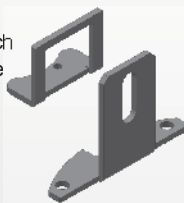
2: single proximity switch sensor mounting plate



3: Double angle proximity switch sensor mounting plate



4: Two piece proximity switch mounting plate



- ⑦ Specifications

08: M08 / 12: M12
18: M18 / 30: M30

HUC \varnothing 90N8



HUC \varnothing 110N10



HUC \varnothing 120N12, \varnothing 120N14



HUC Double angle proximity switch sensor mounting plate



Product features:

- Designed for Coolant-Through Spindle (CTS)/ No Coolant-Through Spindle.
- Use with hydraulic power booster (oil/air) or hydraulic power unit (oil only)
- Enlarge air and oil port design for increasing the speed of tool changing.
- With an installation which can against-reverse and install sensor, make it operate accurately, adjust easily.
- Use the best seal make it is grind-endurance, reducing oil consumption.
- Rod and cylinder body specially protected against rust and corrosion.
- With the hard treatment to make hitting head have appropriate hardness to increase the service life.

Specification:

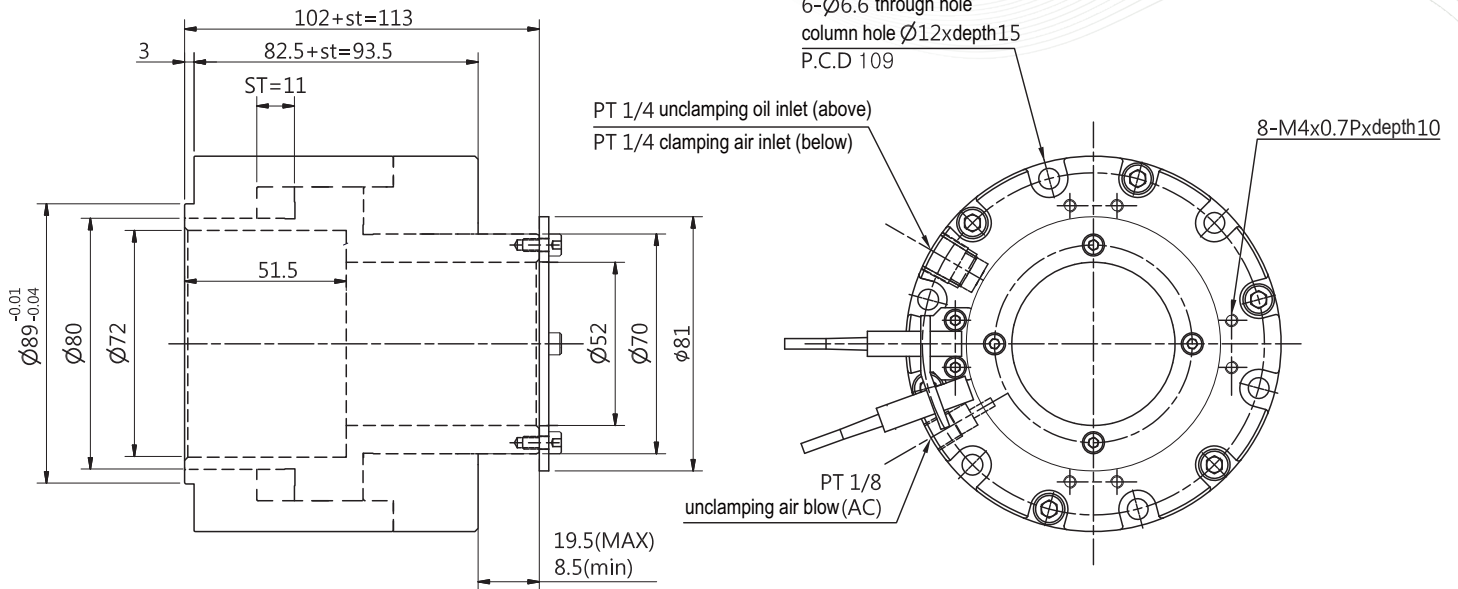
Item	Specifications
Applicable fluid at clamping end	CPC-R32 viscosity grade ISO VG32 or equivalent
Applicable pressure at clamping end (MPa)	3~7.5
Applicable fluid at unclamping end	Use with hydraulic power booster (oil/air) or hydraulic power unit (oil only)
Applicable pressure at unclamping end (MPa)	0.4~7.5
Applicable pressure for air blowing (MPa)	≤0.7

Theoretical boosted output force:

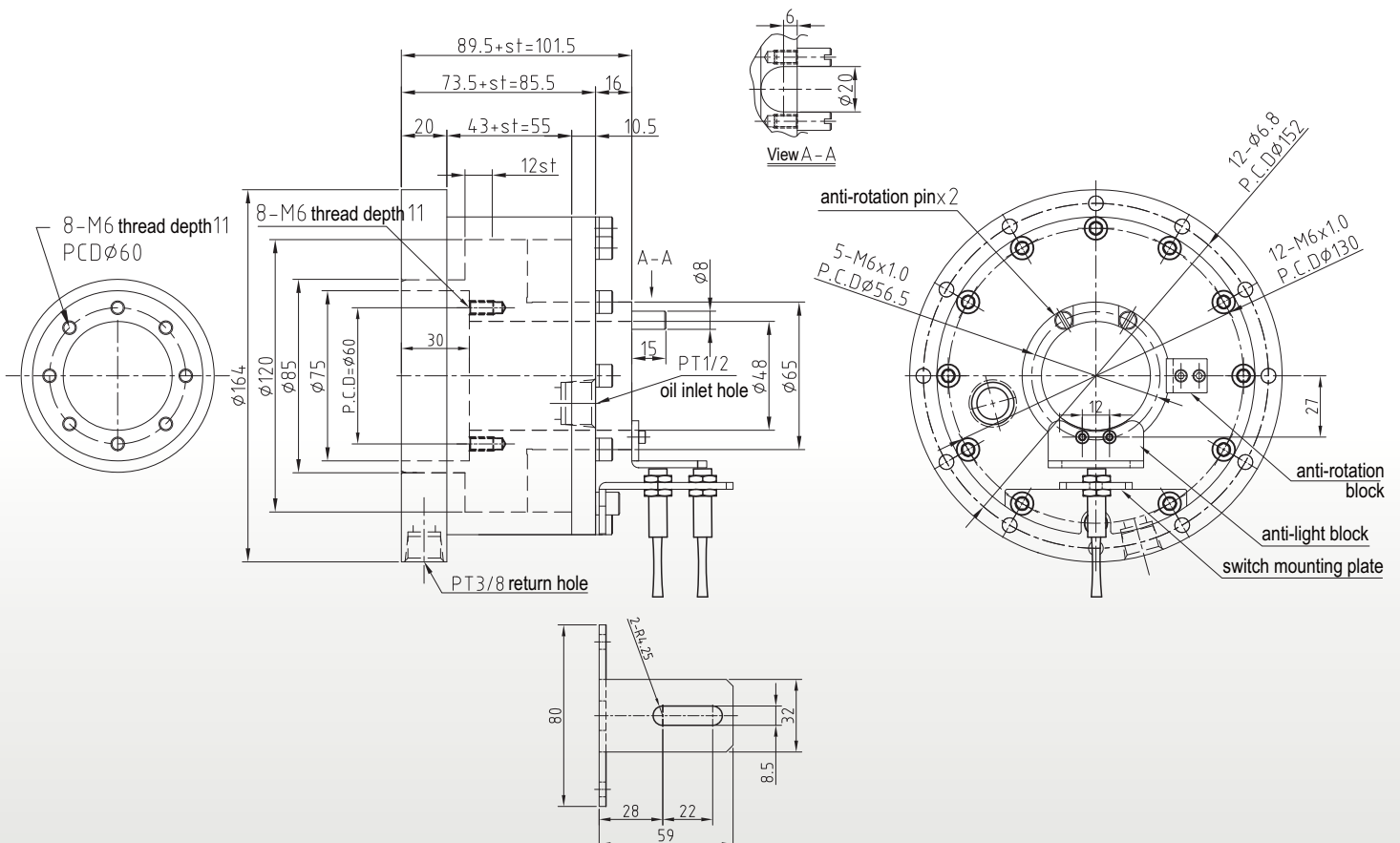
coolant through type	ø100×11	ø120×12	ø160×16
Oil pressure (kgf/cm ²)	Unclamping Force (kg)		
60	2402	6105	7005
70	2802	7122	8137
80	3202	8140	9340

No coolant through type	HUCS-120N20
Oil pressure (kgf/cm ²)	Unclamping Force (kg)
30	4132
40	5150
50	6887

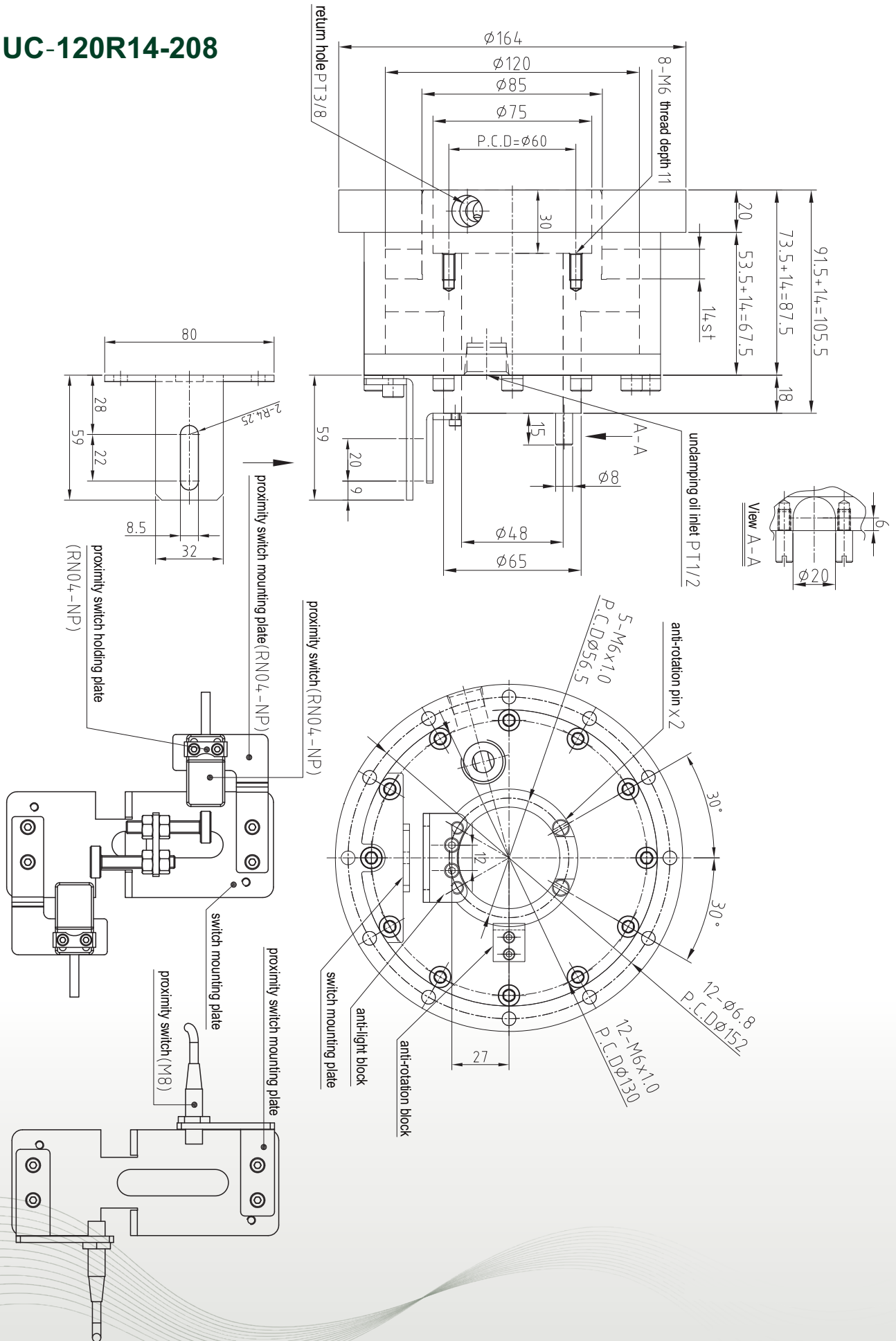
HUC-100P11-308



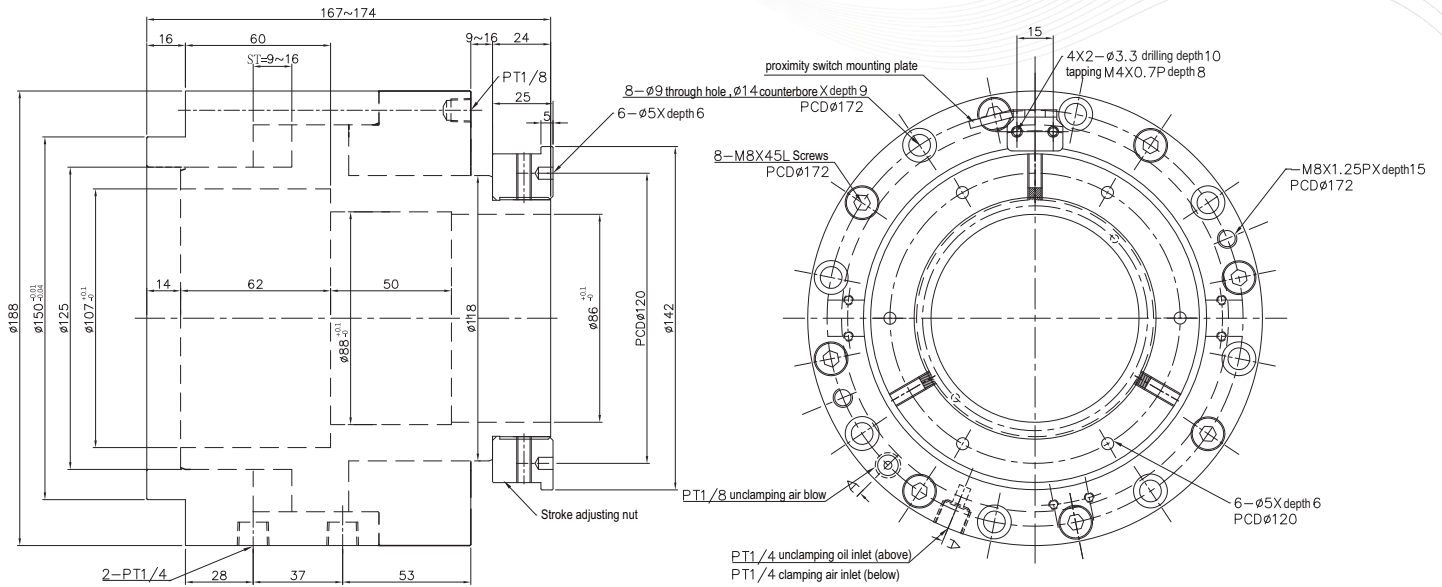
HUC-120P12-408



HUC-120R14-208



HUC-160N16-308 adjustable stroke 7mm



HUCS-120P12-408

