HUC Codification key

Codification key

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 ø90N8



HUC ø110N10



HUC ø120N12, ø120N14



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:

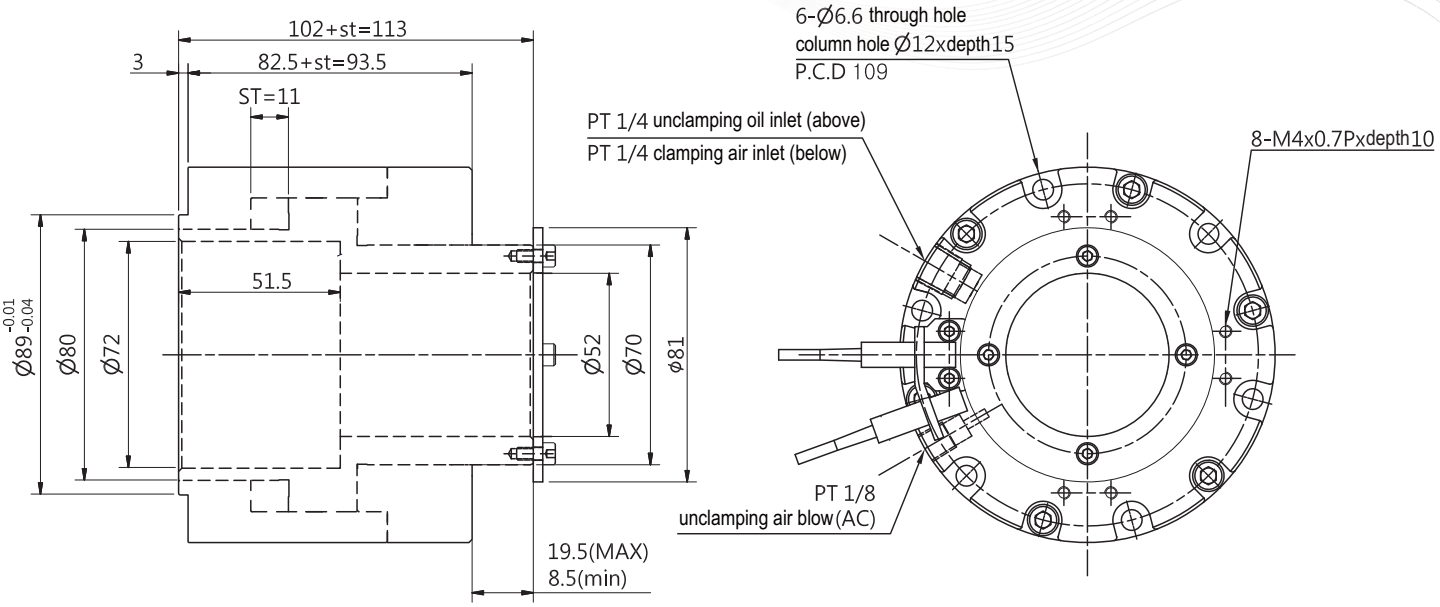
Item	Specifications
Applicable fluid at clamping end	CPC-R32 viscosity grade ISO VG32 or equivalent
Applicable pressure at clamping end (MPa)	3~7.5
Applicable fluid at unclamping end	Use with hydraulic power booster (oil/air) or hydraulic power unit (oil only)
Applicable pressure at unclamping end (MPa)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

Theoretical boosted output force:

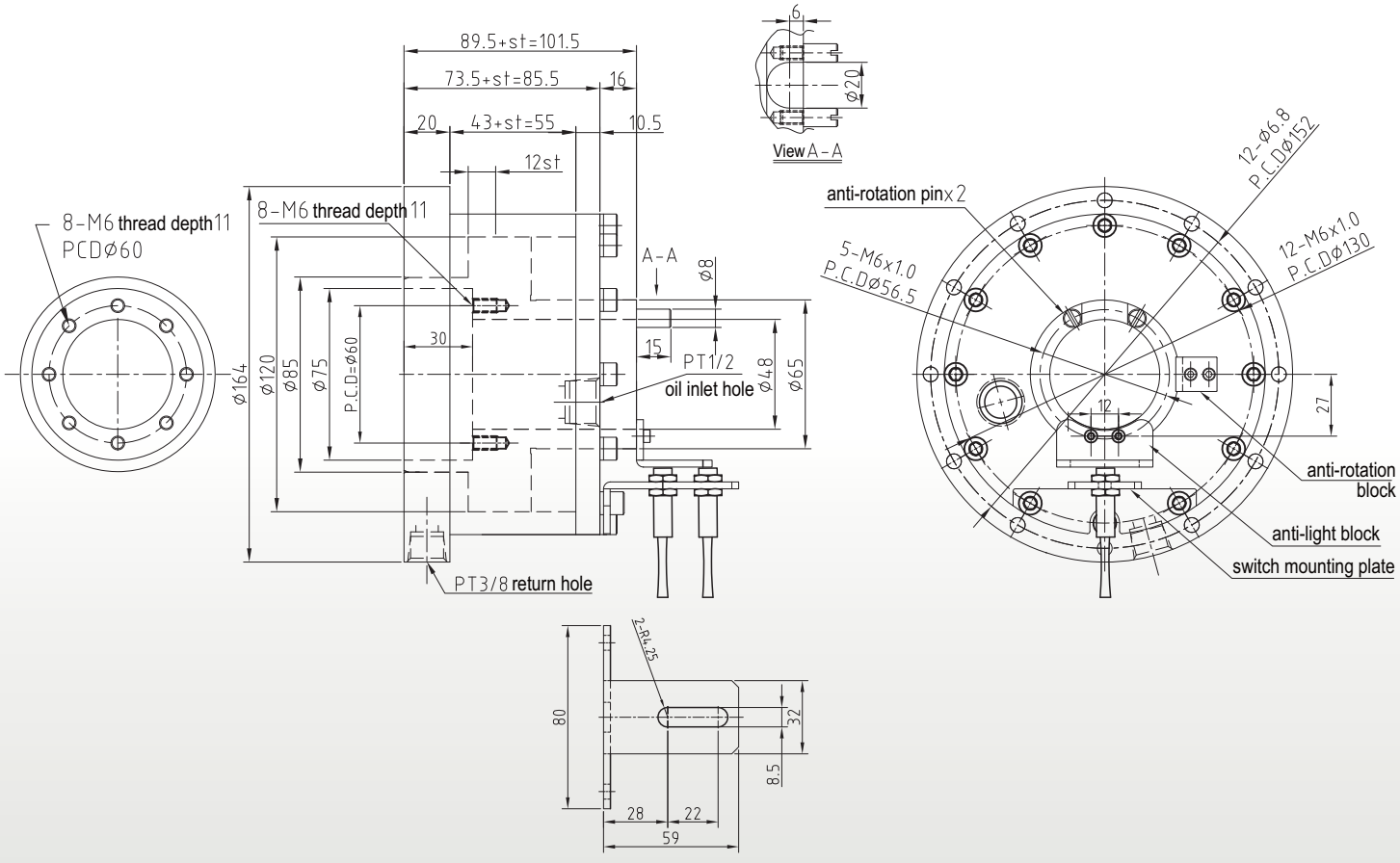
coolant through type	ø100×11	ø120×12	ø160×16
Oil pressure (kgf/cm^2)	Unclamping Force (kg)		
60	2402	6105	7005
70	2802	7122	8137
80	3202	8140	9340

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

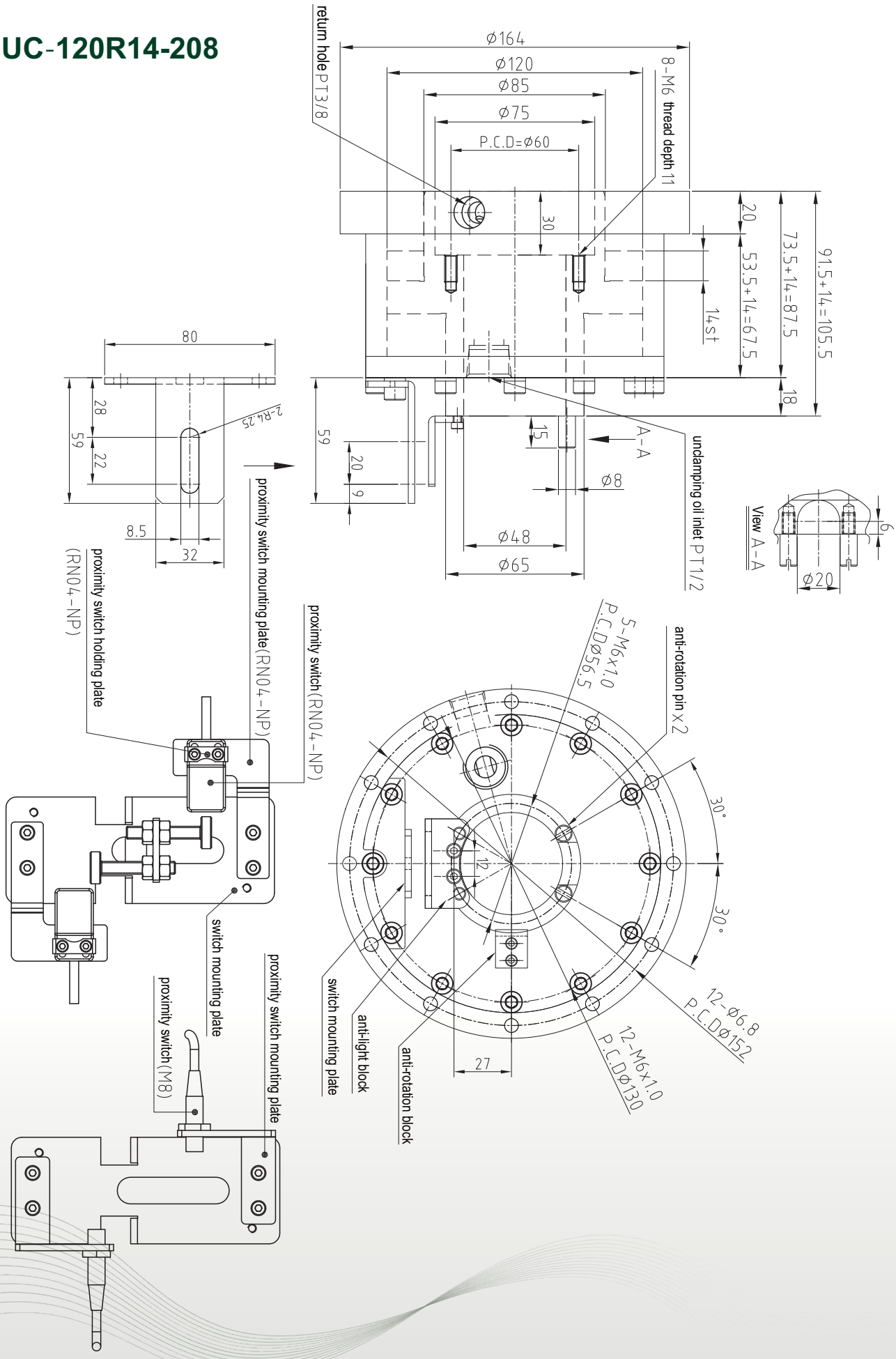
HUC-100P11-308



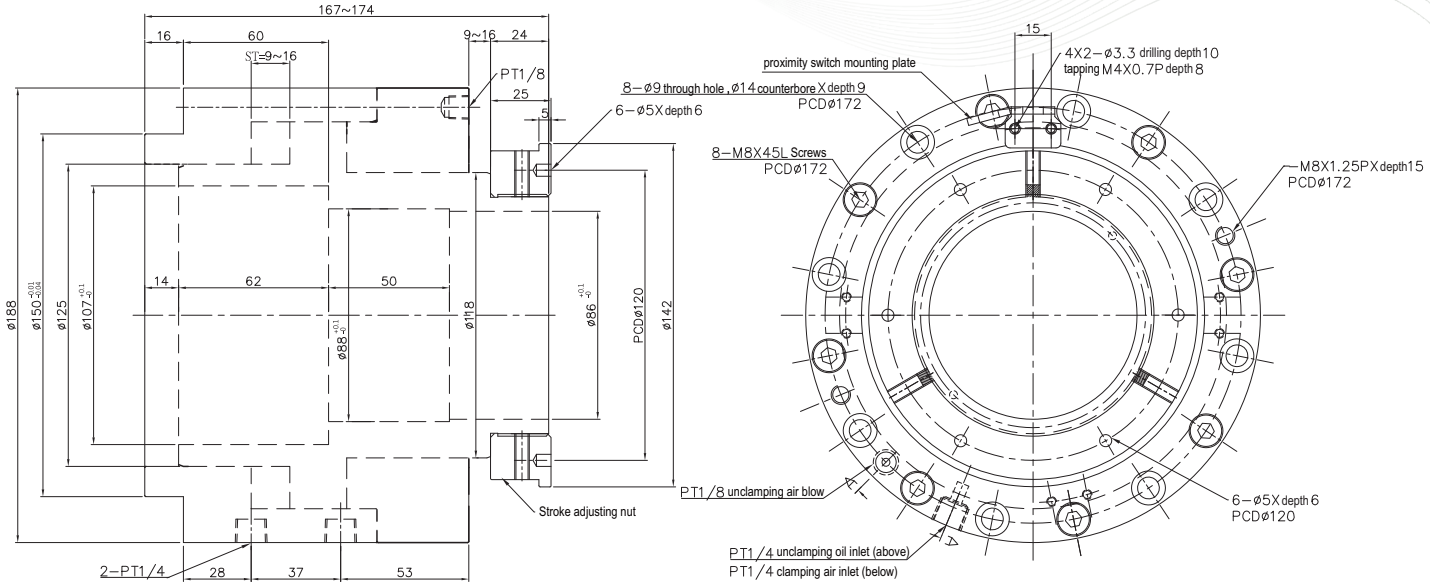
HUC-120P12-408



HUC-120R14-208



HUC-160N16-308 adjustable stroke 7mm



HUCS-120P12-408

