

# Hydraulic cylinders (Series HC1)



HC1-XD-40X500-FA

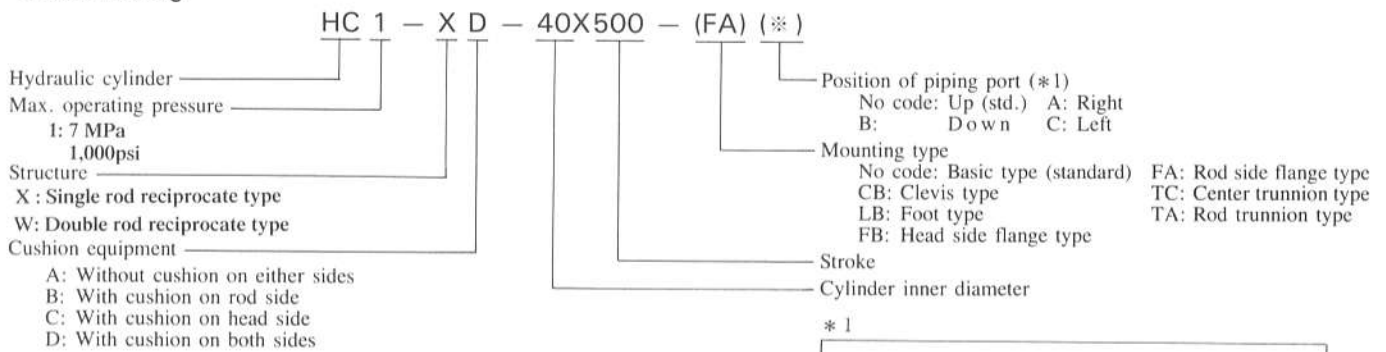
## ● Features

1. By combining various accessories with the basic model, kinds of mounting types can be made available.
  2. Cylinder tube inside surface is treated with precision honig, and piston rod is plated with hard chrome for ultimate wear resistance.
  3. Piston rod sliding surface is supported by durable Y-shaped packing.
- \* Trunnion mounting type is not interchangeable with the conventional HC-※X3.

## Symbol

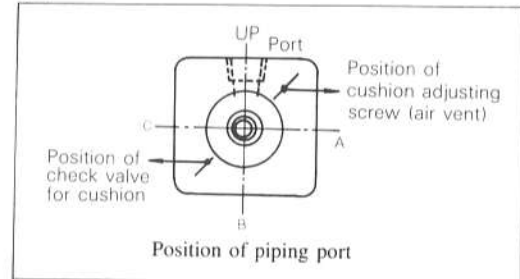


## ● Model coding



(Note)

1. Cushion adjusting screw can change positions with check valve for cushion.
2. Relative positions of the piping port, cushion adjusting screw and check valve for cushion are as shown above.



## ● Specifications

Max. operating pressure	MPa	7
	psi	1,000
Min. operating pressure	Head side	MPa 0.3 or less
	Rod side	psi 43 or less
Max. Working piston speed	MPa	0.4 or less
	psi	57 or less
Max. Working piston speed	mm/sec	300
Working temperature range	°C	-15 ~ 80
	°F	0 ~ 170

## ● Cushion stroke

(Unit: mm)

Inner dia	φ40	φ50	φ63	φ80	φ100
Head side	8	10	12	12	12
Rod side	8	10	12	12	12

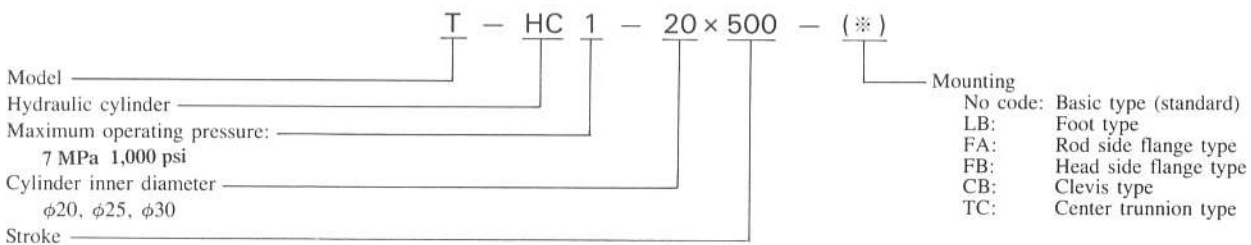
## ● Max. machinable stroke

(Unit: mm)

φ40	φ50	φ63	φ80	φ100
1,000	1,000	1,500	1,500	1,500

(Note) Hydraulic cylinders with inner diameter of φ125, φ160 and φ200 are available as standard model.

## ● Model coding



## ● Specifications

Max. operating pressure		7 MPa	1,000 psi
Min. operating pressure	Head side	0.3 MPa	43 psi or less
	Rod side	0.4 MPa	57 psi or less
Working speed range		8 ~ 150 m/sec	
Working temperature range		0 ~ 60°C	-17 ~ 140°F

## ● Max. machinable stroke

(Unit: mm)

Inner dia.	Max. machinable stroke
φ20	600
φ25	600
φ30	600