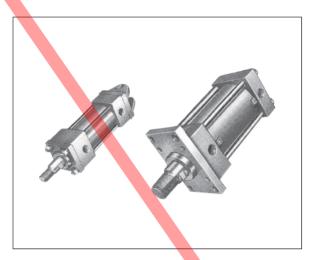
+0.12 0

6 641

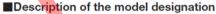
# HYDRAULIC CYLINDER FOR 7 MPa (HC) \$\phi125\$ to \$\phi160\$

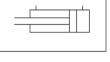


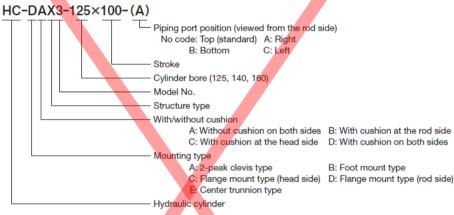
### Features

- 1. The cylinder is highly wear resistant since the cylinder tube internal face is finished by precision honing and the piston rod is coated by hard chromium plating.
- 2. The packing is selected very carefully; packing with a long service life is used.
- 3. Five types of mounting (clevis type, foot mount type, head side flange mount type, rod side flange mount type and center trunnion type) are available and the type most suitable for the application can be selected.

# JIS symbol



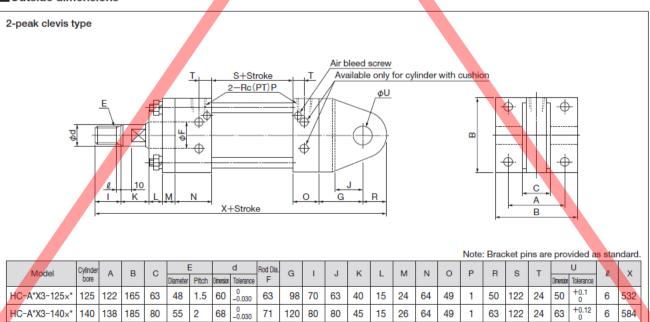




### Specifications

Cylinder Max. operating Operating			Operating	Rod	Connection	Area	a (cm²)	Cushion le	ength (mm)	Max. stroke (mm)		
bore (mm)	(MPa)	speed range (mm/s)	temperature range (°C)	diameter (mm)	port (Rc)	Rod side	Head side	Rod side	Head side	Extension	Compression	
125		8 to 300	-15	63	1	91.5	122.7	20	20	2,000	1,500	
140	140 7		to	71	1	114.3	153.9	20	20	2,000	1,500	
160			80	80	1	150.8	201.1	20	20	2,000	1,500	

### Outside dimensions



-0.030

-0.030

80 125 90 90 50 15 31 64 49 1 75 142 24 71

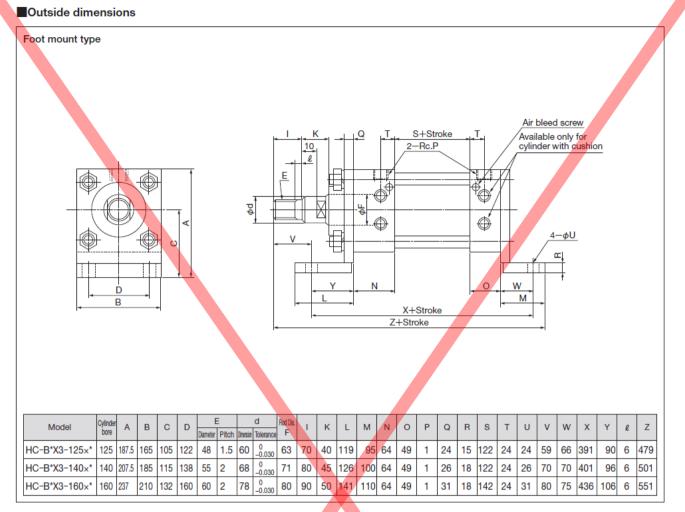
2

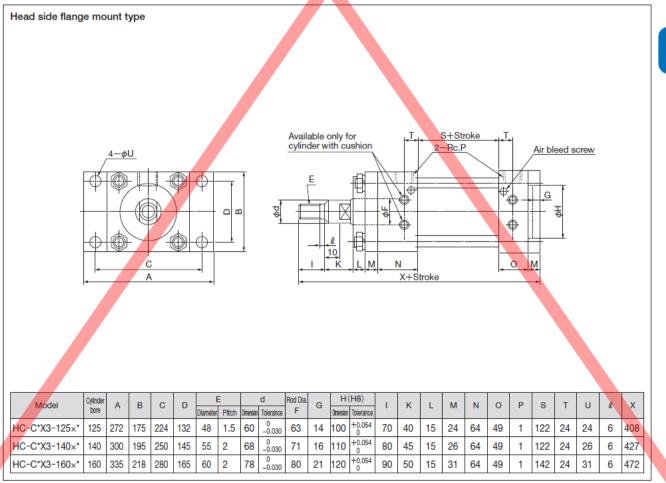
78

HC-A\*X3-160×\*

160 160

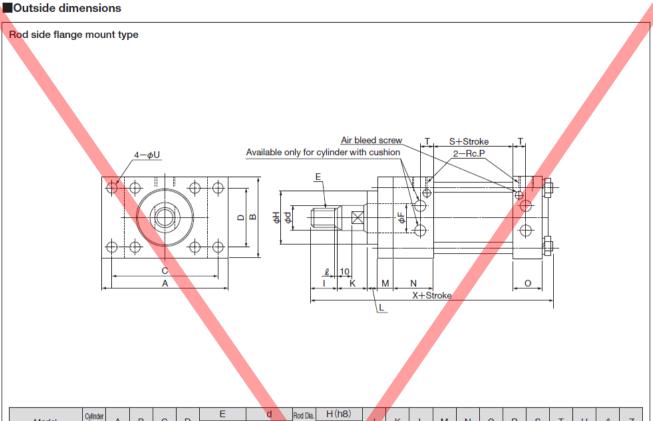
210 80 60





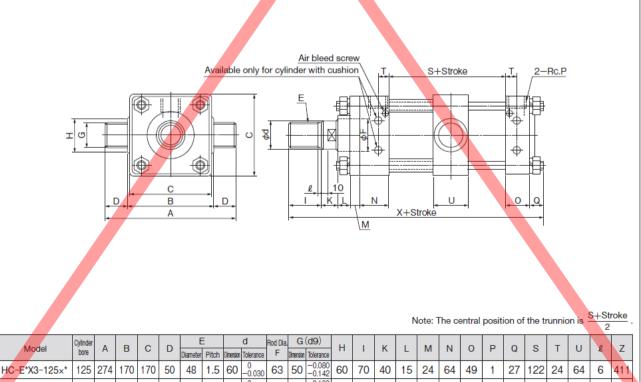
J-13

HYDRAULIC CYLINDERS



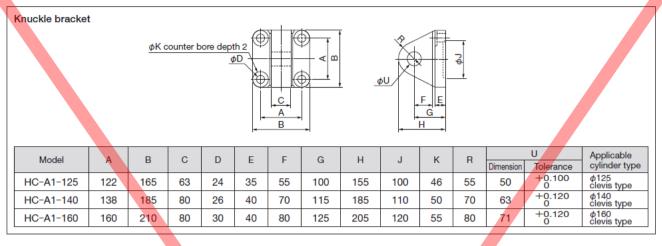
	Cylinder					t	-		a	Rod Dia.	н	(n8)						~	-		-			-	
Model	bore	A	в	C	D	Diameter	Pitch	Dimension	Tolerance	F	Dimension	Tolerance		ĸ	L	IVI	IN	0	Р	5	1	U	Ł	2	
HC-D*X3-125×*	125	272	175	224	132	48	1.5	60	0	63	100	0 -0.054	70	40	15	24	64	49	1	122	24	24	6	410	
HC-D*X3-140×*	140	300	195	250	145	55	2	68	0 -0.030	71	110	0 -0.054	80	45	15	26	64	49	1	122	24	26	6	428	
HC-D*X3-160×*	160	335	218	280	165	60	2	78	0 -0.030	80	120	0 -0.054	90	50	15	31	64	49	1	142	24	31	6	471	

Center trunnion type



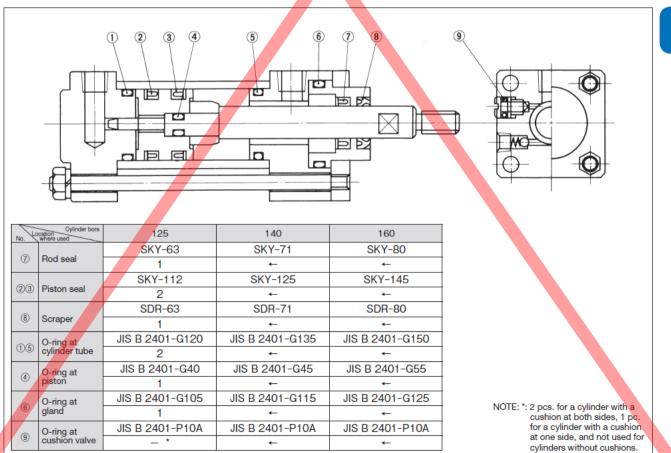
HC-E\*X3-140×\* -0.030 -0.100 -0.174 -0.100 -0.174 HC-E\*X3-160×\* 358 216 212 60 2 -0.030 

## Outside dimensions



Knuckle														ith m6 tapping.					
	Model	А	В	с	D	c Dimension	I (H8) Tolerance	Diameter	E Pitch	F	G	н	к	L Dimension	.(H7) Tolerance	М	l	Applicable cylinder type	
	HC-B1-125	170	135	45	70	40	+0.039	48	1.5	75	50	52	15	60	+0.030	48.5	7	φ125 all type	
	HC-B1-140	200	155	55	80	45	+0.039	55	2	85	50	55	15	68	+0.030	55.5	7	φ140 all type	
	HC-B1-160	215	170	60	90	50	+0.039	60	2	95	50	58	18	78	+0.030	60.5	7	φ160 all type	

## Packing and o-ring list



# J HYDRAULIC CYLINDERS