

Hydraulic Swing Clamping Cylinder

NH series

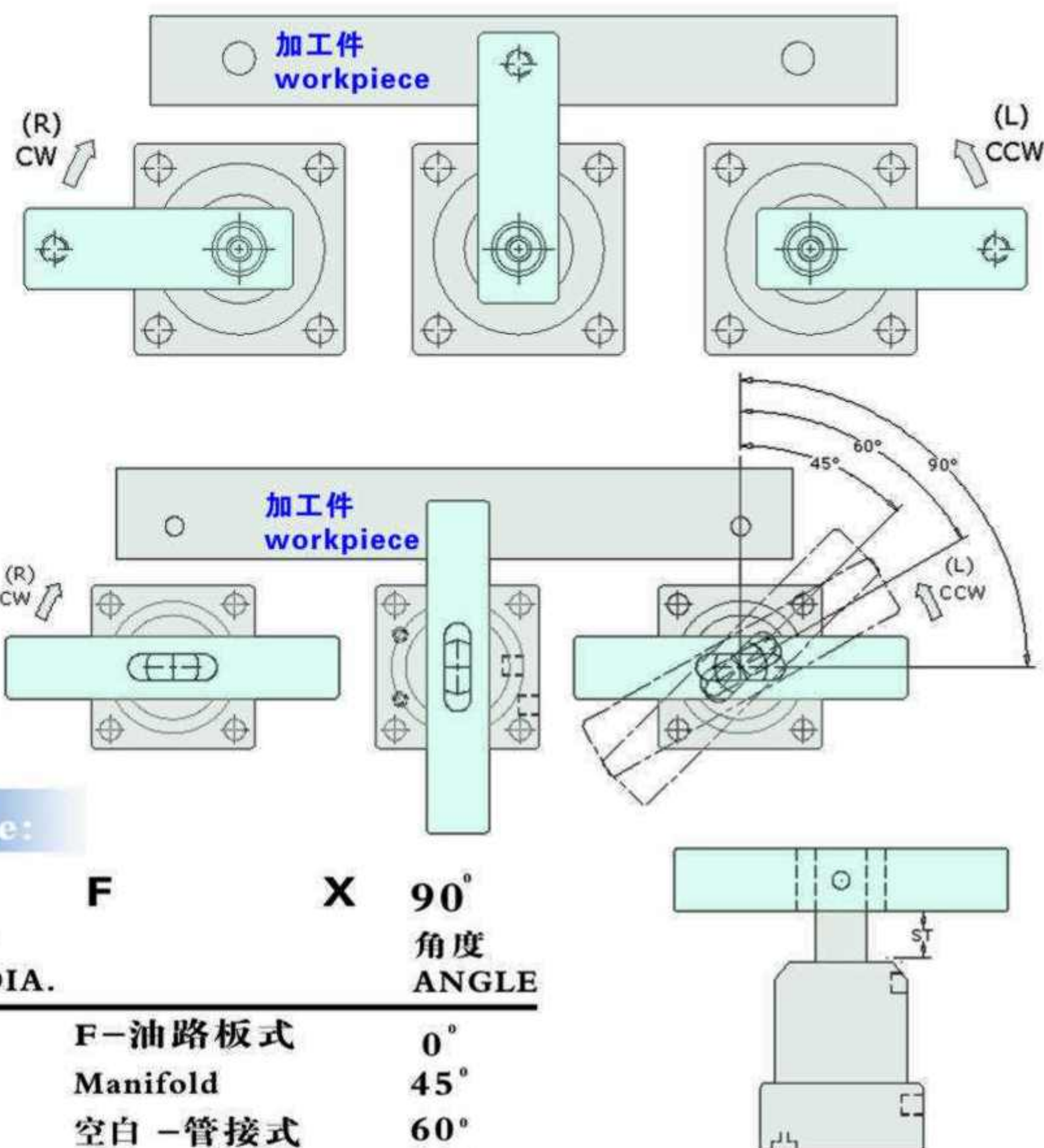
產品說明：

- 向左或向右旋轉後垂直下壓達到夾持目的
- 為拉缸型態,可選購角度0,45,60,90度
- 缸體為高級鋁合金材質,硬化處理
- 壓板加長時,G值勿超過原有規格1.2倍
- 入油口請加裝流量控制閥,控制轉角速度,避免慣性撞擊
- 下壓夾持時,應于垂直行程內夾緊工件
- 每次上下工件時,務必以氣槍清潔活塞杆處油封上的鐵屑異物,避免下次使用異物嵌入油封

Application

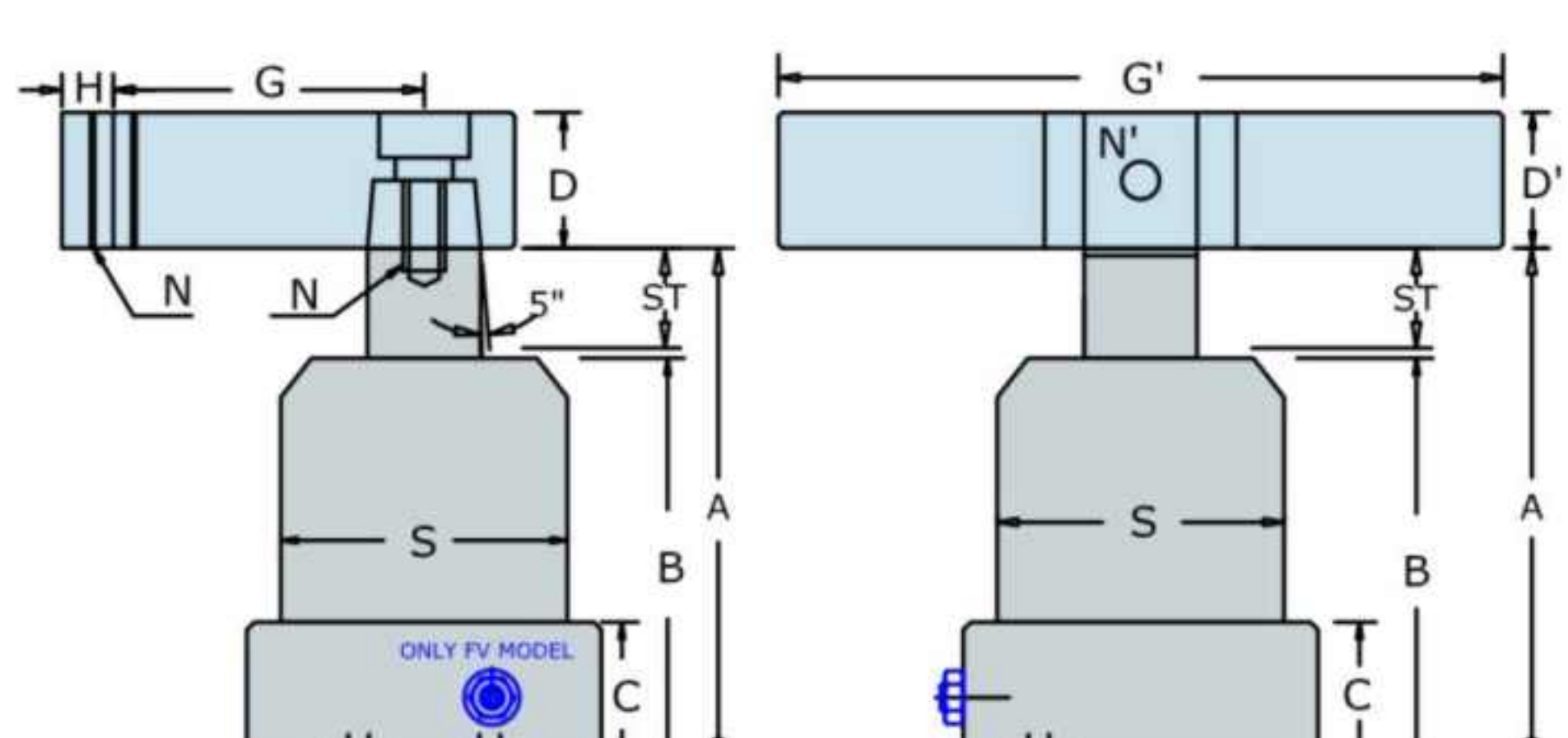
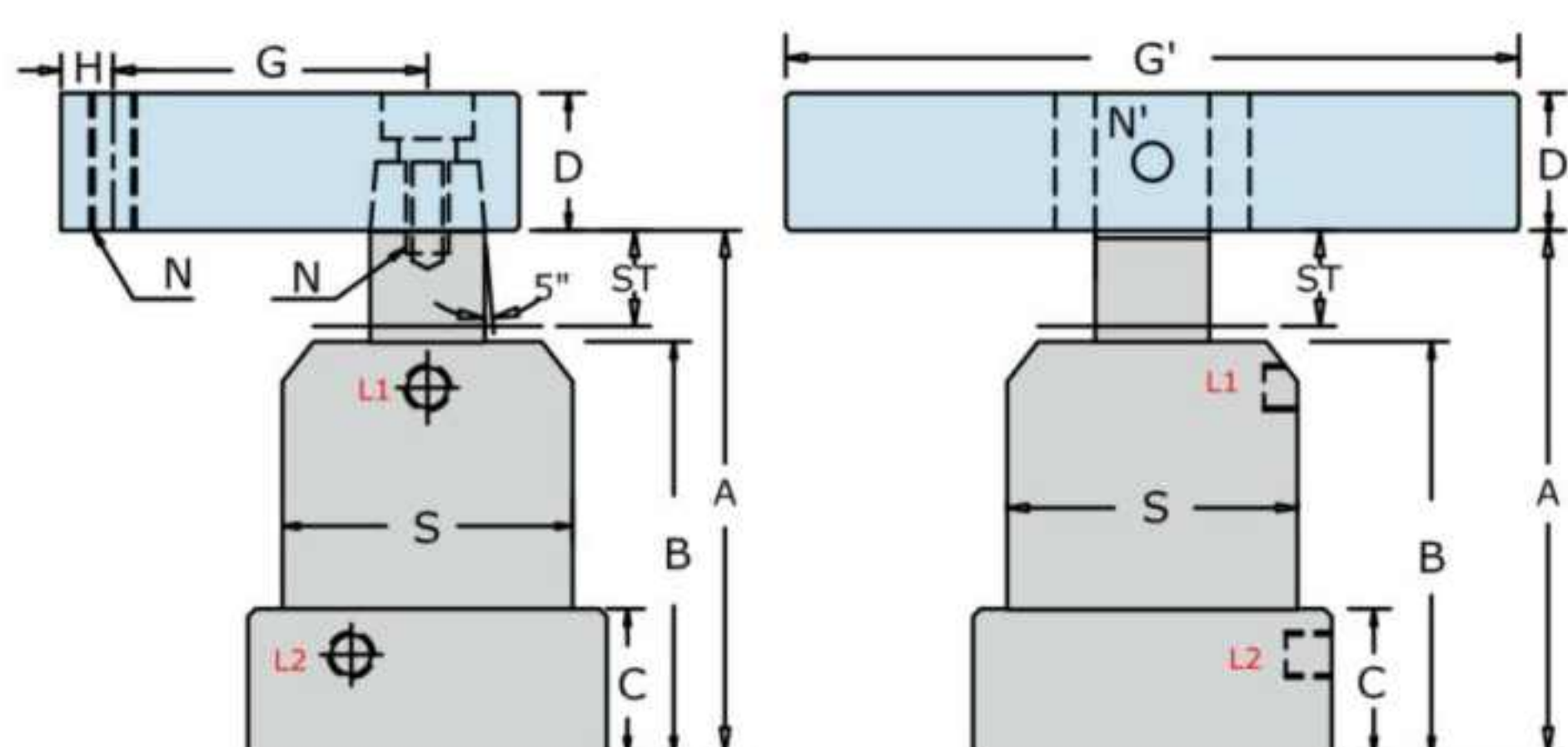
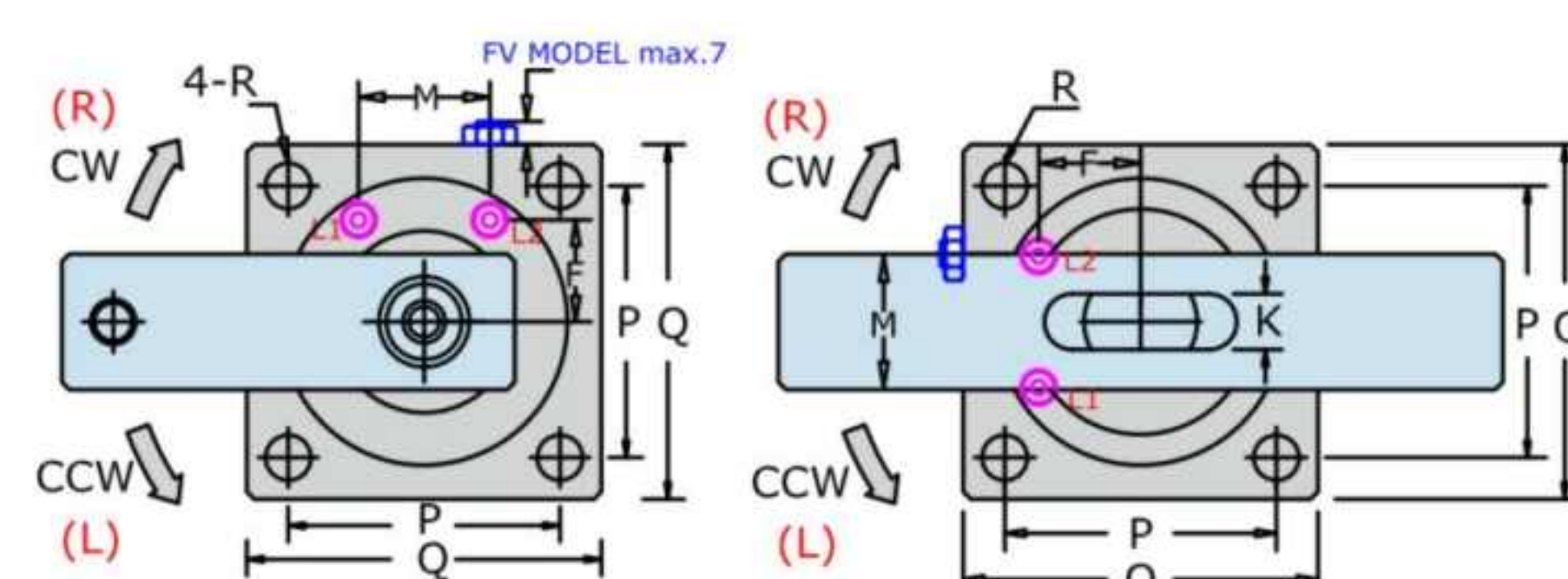
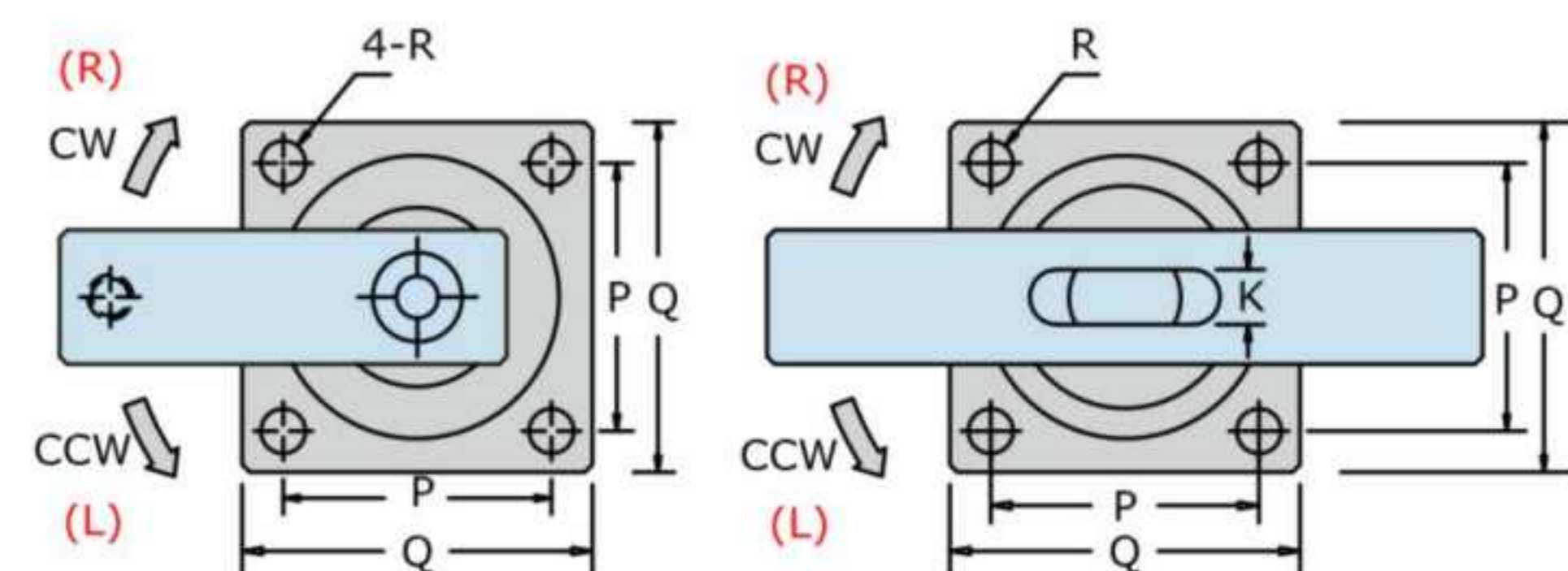
- During clamp retraction, the piston rod rotates, causing the clamping arm to swing in either a clockwise or counterclockwise direction. Clamping then takes place as rod continues to retract in a straight line, pulling the arm against the workpiece.
- Pull cylinder type. Available models offer angles of rotation of 0°, 45°, 60° or 90°.
- The cylinder body is made of aluminum alloy, and the surface is hard membrane treated.
- When it is necessary to change the length of the clamping arm, it should be noted that do not exceed 1.2 times of the original G value in order to avoid the serious slanting of the piston rod.
- Suggested to add a flow control valve to the hydraulic inlet to control the motion of the swing angle in order to prevent the inertial impact.
- A workpiece should not be clamped within a swing stroke, and it should be clamped within the vertical downward clamping stroke.
- Whenever placing and taking off a workpiece, it is necessary to use an air gun to clean the piston and the seal for removing the iron slag or foreigner objects attached thereon in order to prevent the foreigner object from entering the seal to cause oil leakage.
- Mounting methode: Square base type, Threaded type, Upper flange type.

轉角示意圖：以下壓方向定義左右轉 Swivel dir .definition



訂購範例：Ordering Example:

NHS	L	- 40	F	X	90°
機種 MODEL	旋轉方向 SWIVEL DIR.	活塞尺寸 PISTON DIA.			角度 ANGLE
NHS	CW-R 右	25	F-油路板式		0°
NHSD	CCW-L 左	32	Manifold		45°
NHTS	P-不旋轉	40	空白-管接式		60°
NHTSD	No swing	50	Blank-Line type		90°
NHU		63	FV-油路調速型		
NHUD			Manifold with		



NHS

NHSD

NHS

NHSD

四方底座型 flang type	NHS-25 NHSD-25	NHS-32 NHSD-32	NHS-40 NHSD-40	NHS-50 NHSD-50	NHS-63 NHSD-63
最大使用壓力 max. pressure	70kg/cm ²				
一般使用壓力 normal pressure	20-45kg/cm ²				
缸體運行方式 acting type	複動 double acting				
轉角度數 swivel angle	90°(0°, 45°, 60°)±2°				
轉角行程 swivel stroke	12	14	14	14	14
夾緊行程 clamping stroke	14	15	15	15	15
活塞直徑 bore dia.	25	32	40	50	63
活塞杆徑 piston rod dia.	18	20	20	20	25
理論壓力(25kg/cm ²) clamping force	59kg	125kg	200kg	400kg	600kg
A放鬆狀態 unclamp	100	111	113.6	114.5	118
B	70	76	80	80	85
C	23	25	27	27	32
D	□25.4	□25.4	□25.4	□25.4	□32
D'	□19	□22	□22	□22	□25.4
G	50	55	55	55	75
G'	100	120	120	120	140
H	10	10	10	10	11
K	9	10	10	10	12
油孔L1(夾緊clamp) / L2(放鬆unclamp)	1/8PT	1/8PT	1/8PT	1/8PT	1/8PT
油路板型 O-ring Manifold	S4	S4	S4	S4	S4
N	M10x1.5	M10x1.5	M10x1.5	M10x1.5	M12x1.75
N'	ø8	ø8	ø8	ø8	ø10
P	40	44	48	57	70
Q	50	55	62	74	88
R	ø6.5	ø6.5	ø8.5	ø8.5	ø10.5
S	ø45	ø50	ø54	ø65	ø80
M	18	24	26	30	40
F	15	17	20	25	30
weight 重量 kg	0.8	1.0	1.1	1.4	2.3

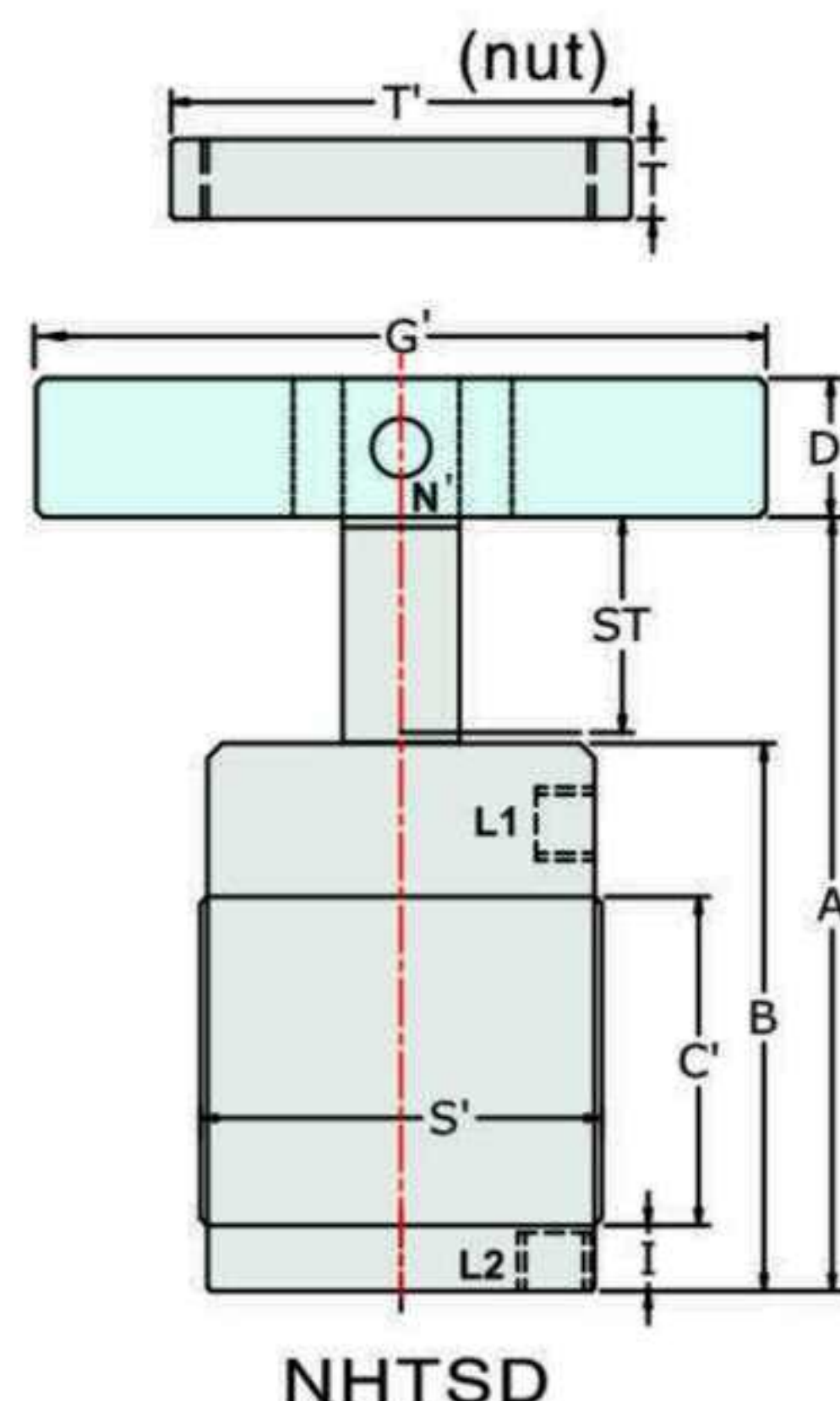
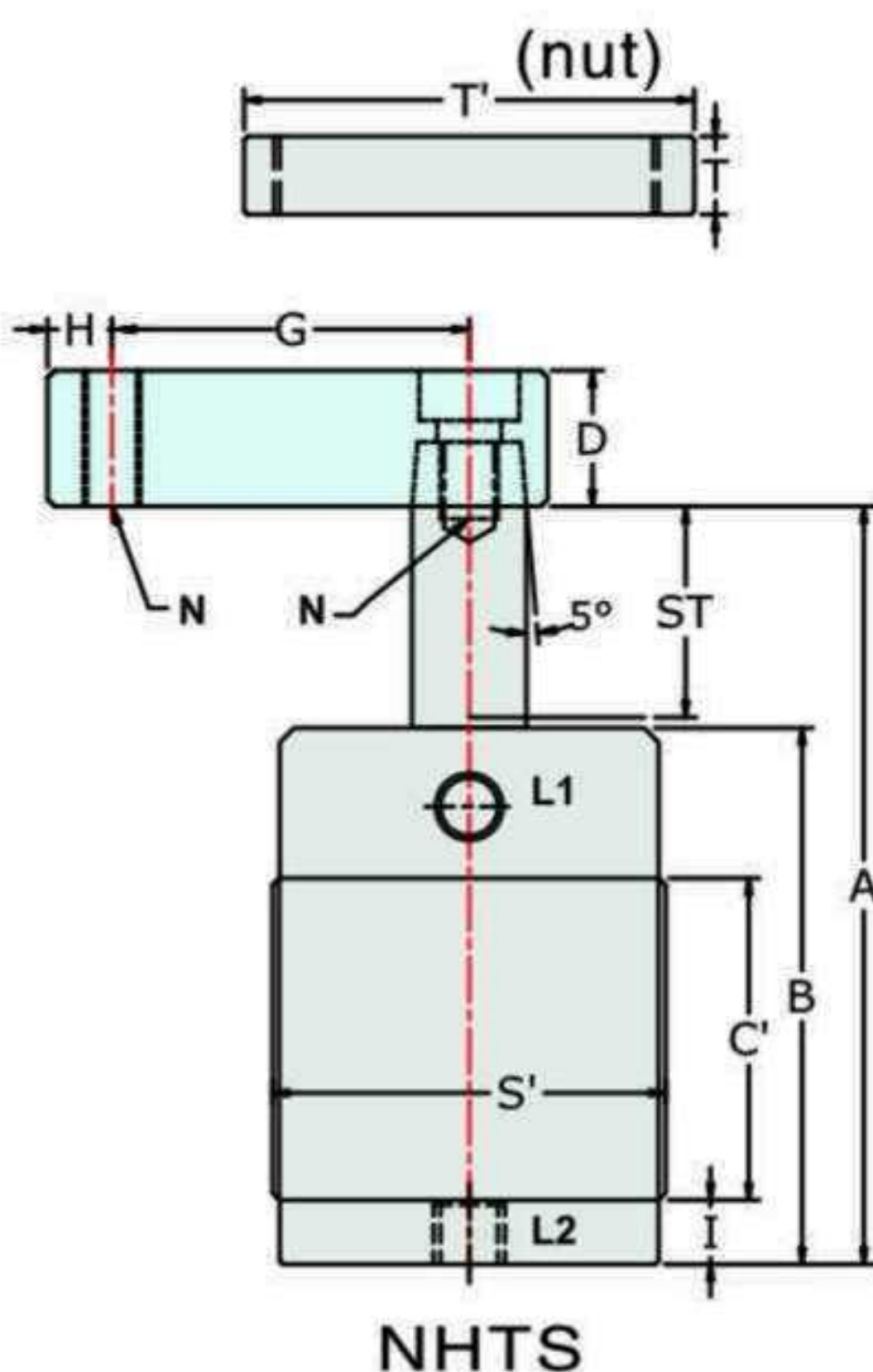
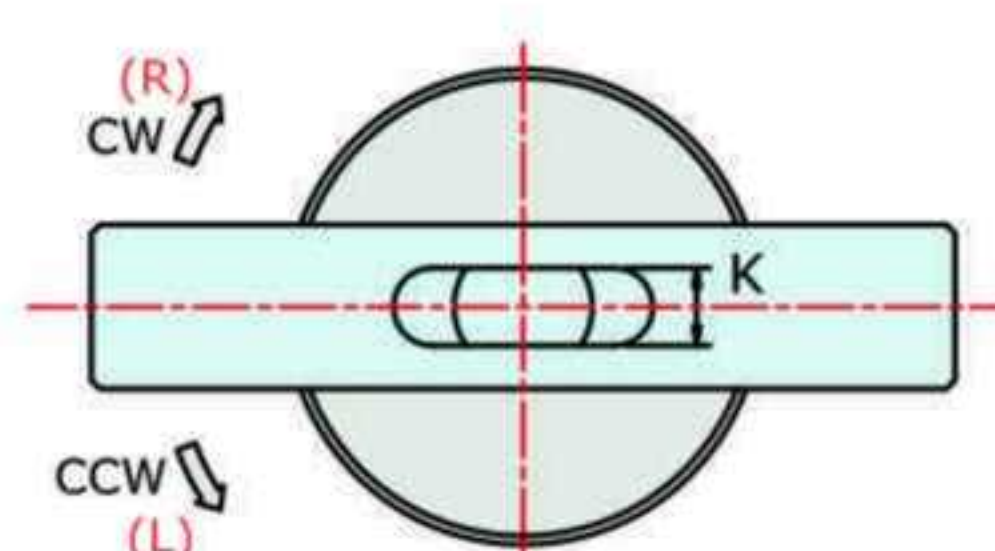
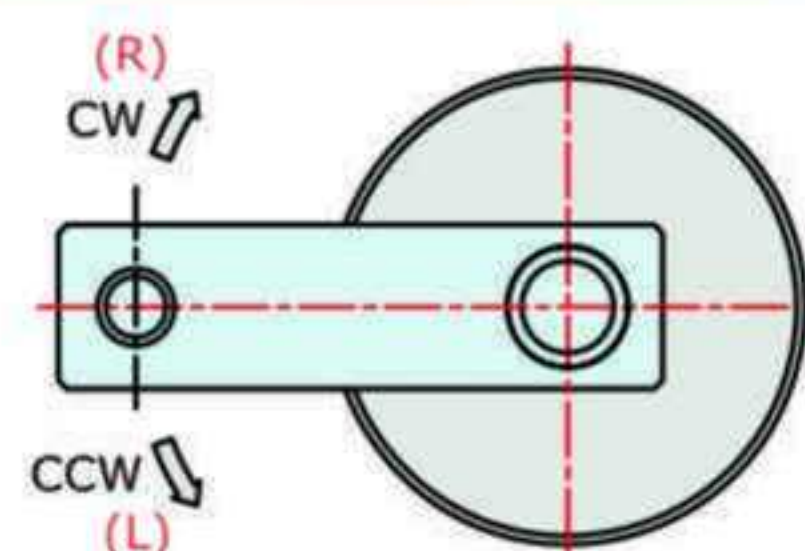
unit 單位: mm

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最大使用壓力 Max:70kg/cm²

外螺牙式: Threaded Type



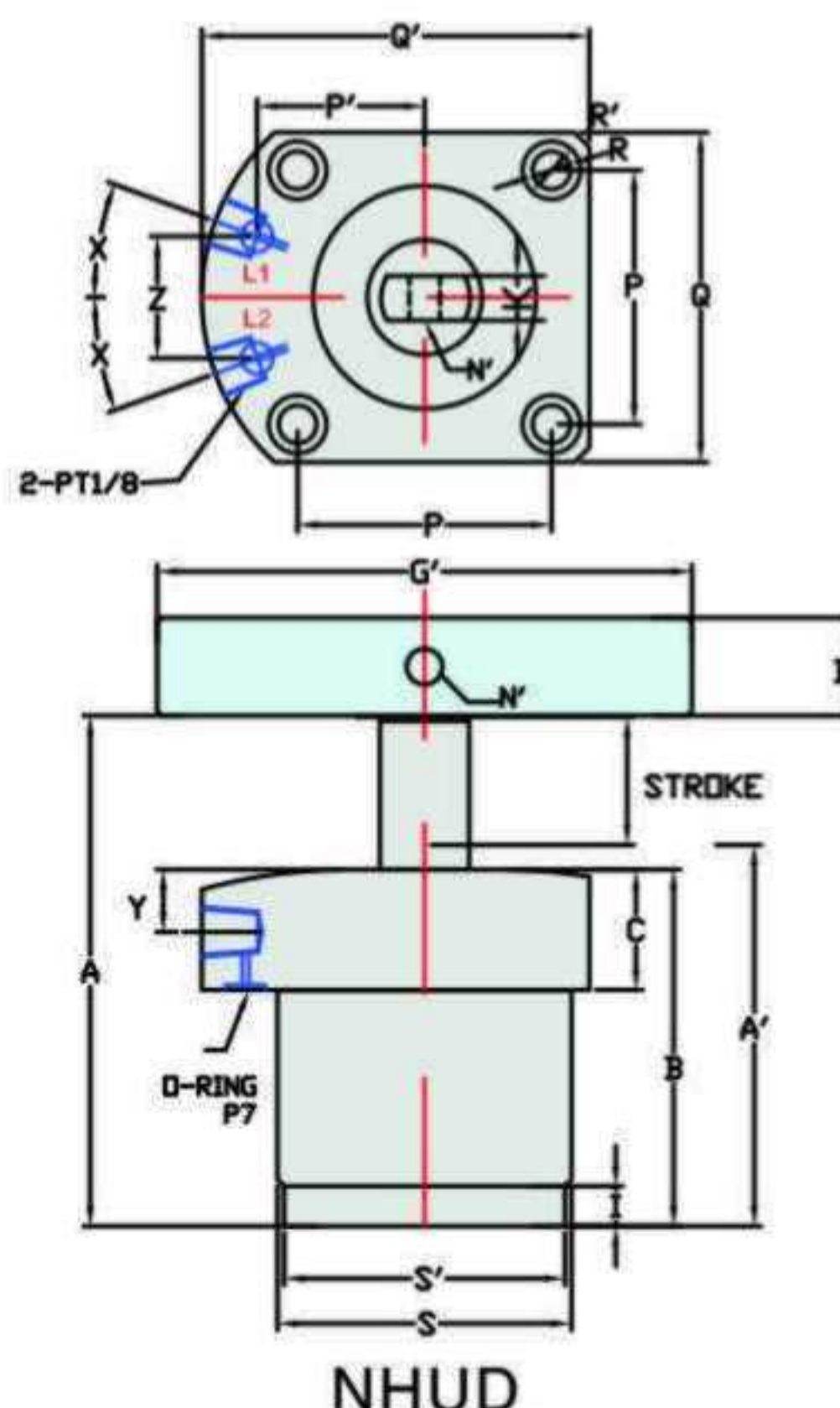
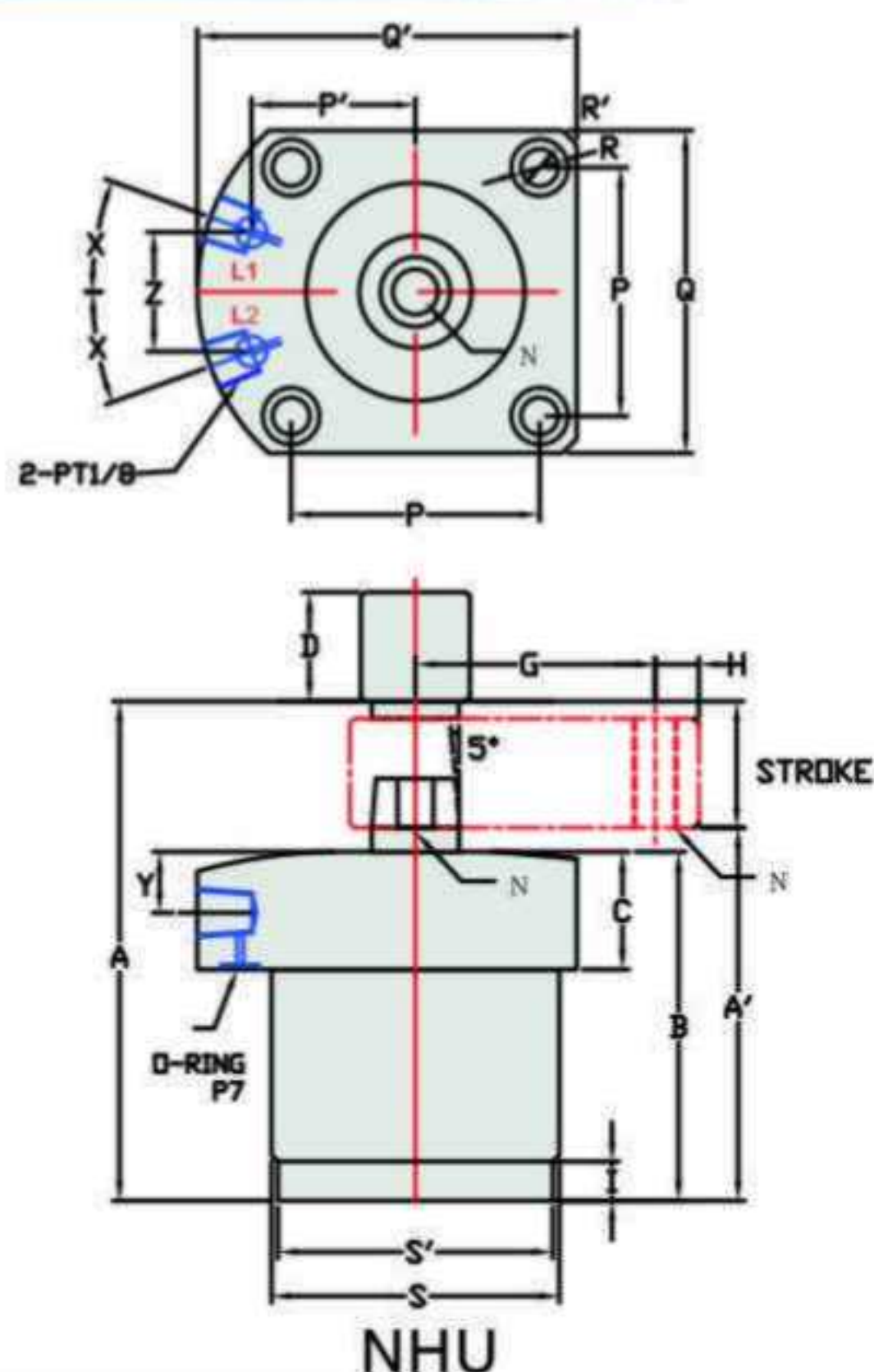
NHTS

NHTSD

外螺牙型 (訂制品) threaded type	NHTS-25 NHTSD-25	NHTS-32 NHTSD-32	NHTS-40 NHTSD-40	NHTS-50 NHTSD-50
最大使用壓力 max. pressure	70kg/cm ²			
一般使用壓力 normal pressure	20-45kg/cm ²			
缸體運行方式 acting type	複動 double acting			
轉角度數 swivel angle	90° (0°, 45°, 60°) ± 2°			
轉角行程 swivel stroke	12	14	14	14
夾緊行程 clamping stroke	14	15	15	15
活塞直徑 bore dia.	25	32	40	50
活塞杆徑 piston rod dia.	18	20	20	20
理論壓力 (25kg/cm ²) clamping force	59kg	125kg	200kg	400kg
A放鬆狀態 unclamp	100	111	113.6	114.5
B	70	76	80	80
C'	35	45	45	45
D	□25.4	□25.4	□25.4	□25.4
D'	□19	□22	□22	□22
G	50	55	55	55
G'	100	120	120	120
H	10	10	10	10
I	9	9	9	9
K	9	10	10	10
L1(夾緊 clamp) / L2(放鬆 unclamp)	1/8PT	1/8PT	1/8PT	1/8PT
N	M10x1.5	M10x1.5	M10x1.5	M10x1.5
N'	φ8	φ8	φ8	φ8
S'	M45x1.5	M50x1.5	M55x1.5	M65x1.5
T(x2pcs)鎖環(nut)	10	11	11	12
T'	φ65	φ70	φ75	φ85
weight 重量 kg	0.8	1.1	1.25	1.7

unit 單位: mm

上安裝型: Upper Flange Type



上安裝型式 upper flange type	NHU-32 NHUD-32	NHU-40 NHUD-40	NHU-50 NHUD-50	NHU-63 NHUD-63
最大使用壓力 max. pressure	70kg/cm ²			
一般使用壓力 normal pressure	20-45kg/cm ²			
缸體運行方式 acting type	複動 double acting			
轉角度數 swivel angle	90° (0°, 45°, 60°) ± 2°			
轉角行程 swivel stroke	14	14	14	14
夾緊行程 clamping stroke	15	15	15	15
活塞直徑 bore dia.	32	40	50	63
活塞杆徑 piston rod dia.	20	20	20	25
理論壓力(25kg/cm ²) clamping force	125kg	200kg	400kg	600kg
A未夾最高點 unclamp	111	114	114.5	118
A'夾緊最低點 clamp	82	85	85.5	89
B	76	80	80	85
C	25	27	27	32
D	□25.4	□25.4	□25.4	□32
D'	□22	□22	□22	□25.4
G	55	55	55	75
G'	120	120	120	140
H	10	10	10	11
I	9	9	9	9
K	10	10	10	12
L1(夾緊clamp) / L2(放鬆unclamp)	1/8PT	1/8PT	1/8PT	1/8PT
油路板型 O-ring Manifold	P7	P7	P7	P7
N	M10x1.5	M10x1.5	M10x1.5	M12x1.75
N'	ø8	ø8	ø8	ø10
P/P'	44/30	48/31.4	57/37.6	70/46
Q/Q'	55/68.5	62/71.5	74/87	88/105.5
R/R'	ø6.5/11	ø6.5/11	ø8.5/14	ø8.5/14
S	M50X1.5	M55X1.5	M65X1.5	M80X1.5
S'	49	53	63	77
X(角度)	22.5°	22.5°	20°	22.5°
Y	12.5	14	14	19
Z	24.9	26	27.4	38
weight 重量 kg	1.0	1.1	1.3	2.3

unit 單位: mm