

Pneumatic Swing Clamping Cylinder

NA series

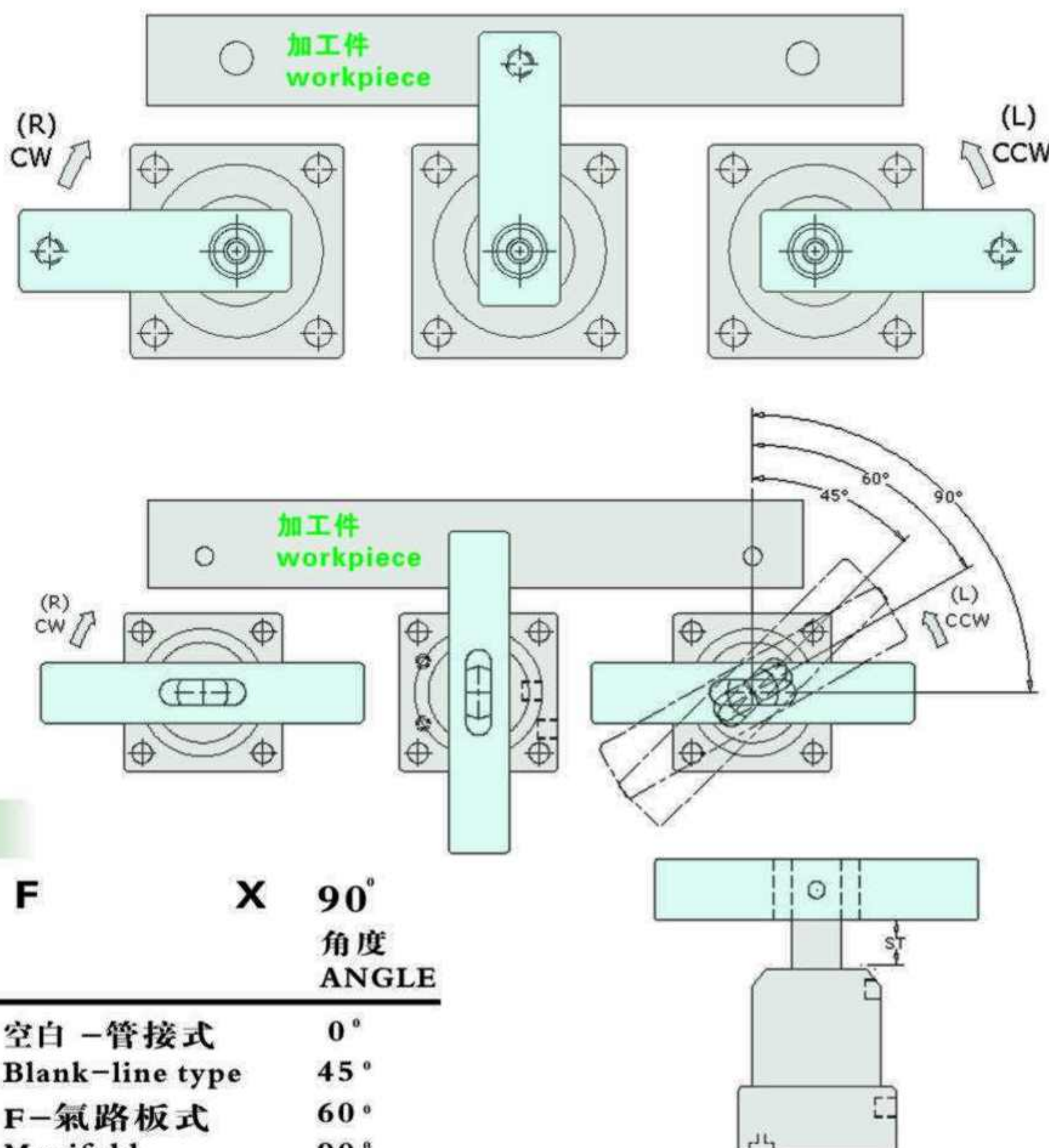
產品說明:

- 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1.5倍
- 入氣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

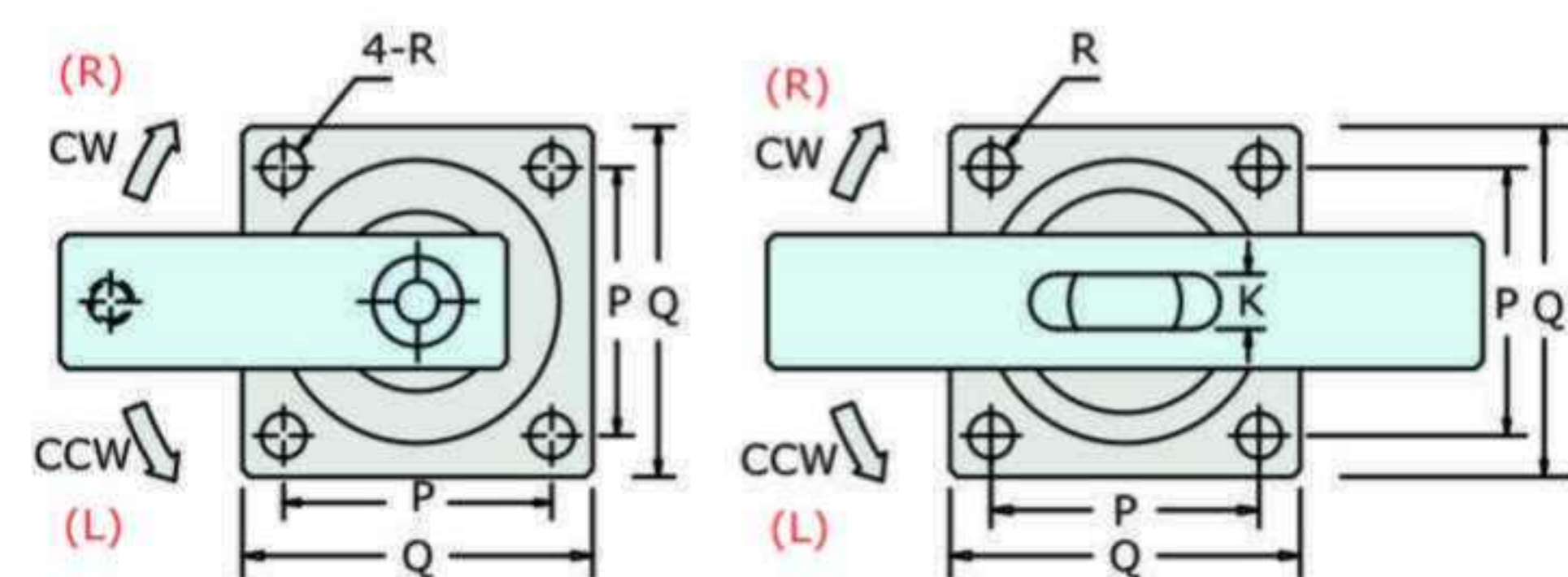
- During clamp retraction,the piston rod rotates,causing the clamping arm to swing in either a clockwise or counterclockwise direction.Clamping then takes place as rod continues to retract in a straight line,pulling the arm against the workpiece.
- Pull cylinder type.Available models offer angles of 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 1.5 times of the original G value in order to avoid the serious slanting of the piston rod.
- Suggested to add a flow control vale to the pneumatic inlet to control the motion of the swing angle in order to prevent the inertial impaction.
- A workpiece should not be clamped within a swing stroke,and it should be clamped within the vertical downward clamping storke.
- 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 form entering the seal to cause oil leakage.
- Mounting method: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



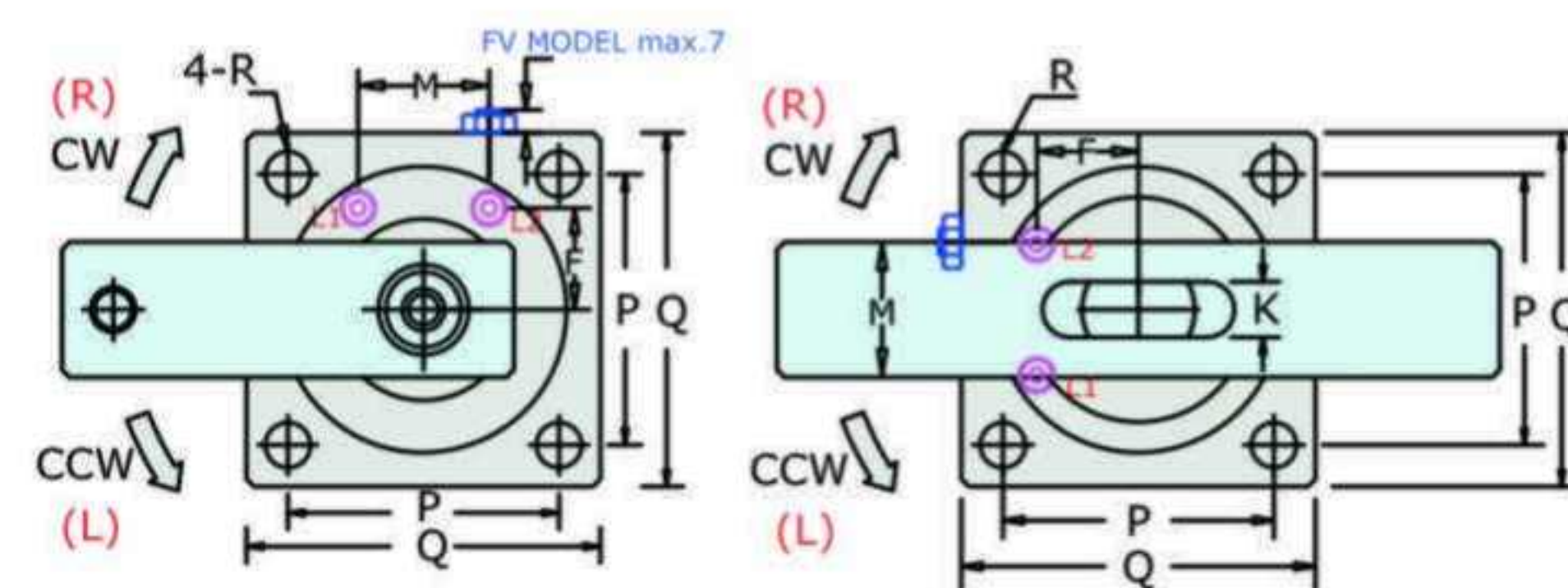
訂購範例：Ordering Example:

NAS	L	- 40	F	X	90°
機種 MODEL	旋轉方向 SWIVEL DIR.	活塞尺寸 PISTON DIA.			角度 ANGLE
NAS	CW-R 右	25	空白 - 管接式		0°
NASD	CCW-L 左	32	Blank-line type		45°
NATS	P-不旋轉	40	F-氣路板式		60°
NATSD	No swing	50	Manifold		90°
NAU		63	FV-氣路調速型		
NAUD			Manifold with Flow control valve (FCV)		



NAS

NASD



NAS

NASD

四方底座型 flang type	NAS-25	NAS-32 NASD-32	NAS-40 NASD-40	NAS-50 NASD-50	NAS-63 NASD-63
最大使用壓力 max. pressure	10kg/cm ²				
一般使用壓力 normal pressure	4-6kg/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	12	12	14	14
夾緊行程 clamping stroke	14	14	15	15	15
活塞直徑 bore dia.	25	32	40	50	63
活塞杆徑 piston rod dia.	14	16	16	20	20
理論壓力(5kg/cm ²) clamping force	16kg	30kg	50kg	85kg	140kg
A放鬆狀態 unclamp	95.5	102.5	106	113	119
B	65.5	71	75	80	86
C	23	23	26	26	30
D	□16	□19	□19	□25.4	□25.4
D'	-	□19	□19	□22	□22
G	30	50	50	70	70
G'	-	100	100	120	120
H	8	9	9	10	10
K	-	9	9	10	10
氣孔L1(夾緊clamp) / L2(放鬆unclamp)	M5x0.8	1/8PT	1/8PT	1/8PT	1/8PT
氣路板型 O-ring manifold	S3	S4	S4	S4	S4
N	M6x1	M8x1.25	M8x1.25	M10x1.5	M10x1.5
N'	-	ø8	ø8	ø8	ø8
P	30	44	48	55	64
Q	40	54	58	68	80
R	ø4.5	ø6.5	ø6.5	ø8.5	ø8.5
S	ø35	ø50	ø55	ø65	ø75
M	18	22	26	30	40
F	12.5	17	19.5	24	29
weight 重量 kg	0.4	0.7	0.85	1.3	1.8

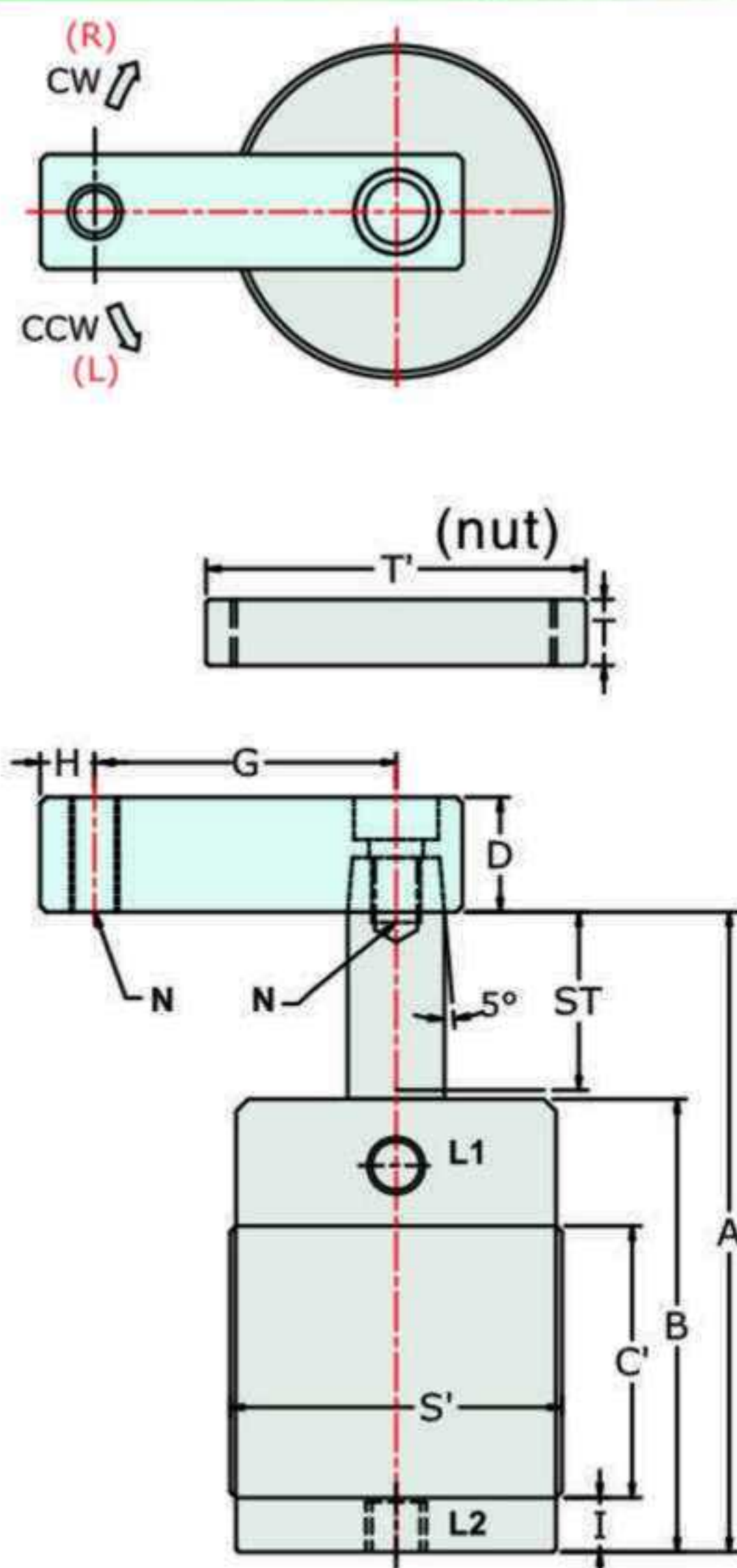
unit 單位: mm

Pneumatic Swing Clamping Cylinder

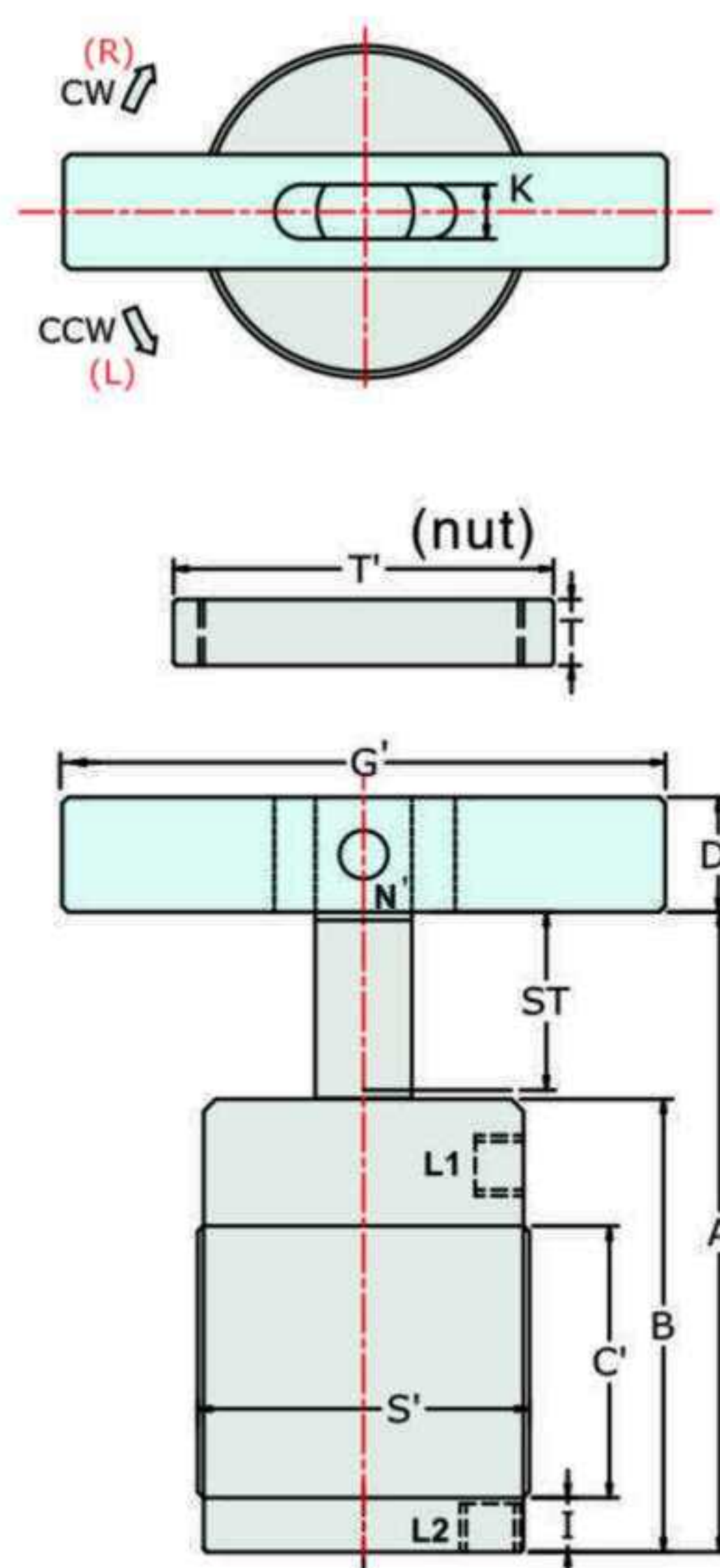
NA series

最大使用壓力 Max:10kg/cm²

外螺牙式: Threaded Type



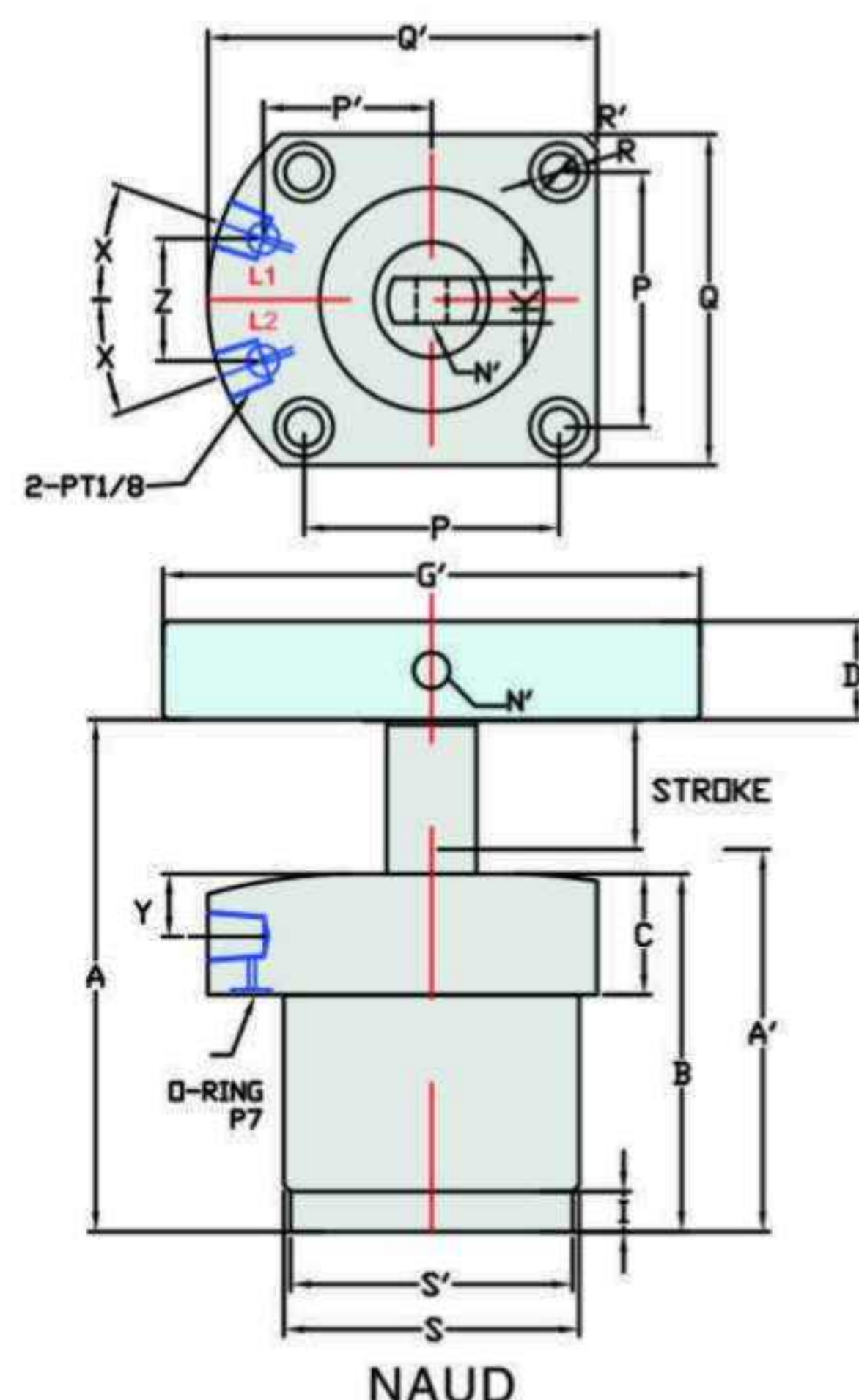
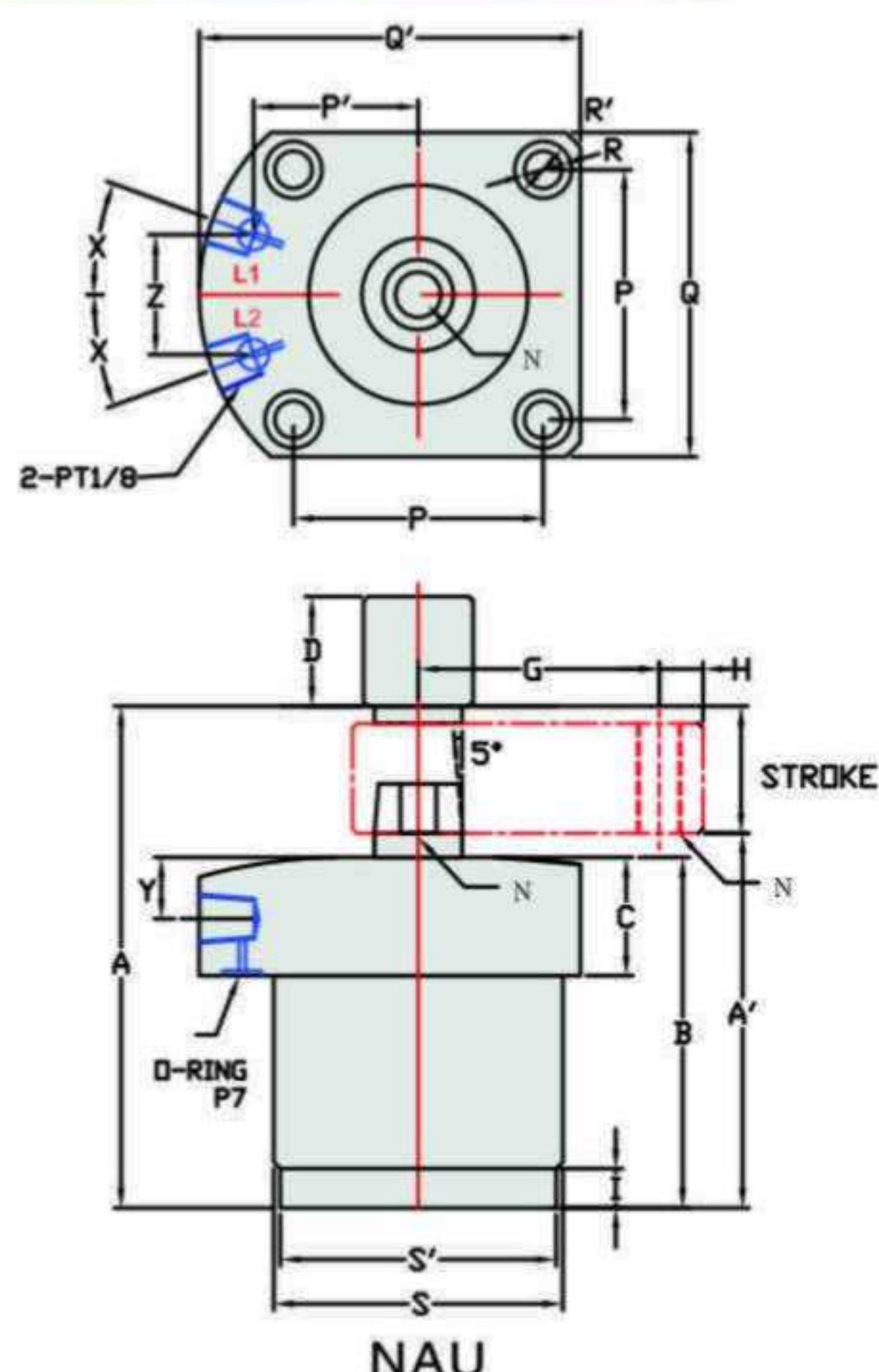
NATS



NATSD

外螺牙型 (訂制品) Threaded type	NATS-25	NATS-32 NATSD-32	NATS-40 NATSD-40	NATS-50 NATSD-50	NATS-63 NATSD-63
最大使用壓力 max. pressure	10kg/cm ²				
一般使用壓力 normal pressure	4-6kg/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	12	12	14	14
夾緊行程 clamping stroke	14	14	15	15	15
活塞直徑 bore dia.	25	32	40	50	63
活塞杆徑 piston rod dia.	14	16	16	20	20
理論壓力(5kg/cm ²) clamping force	16kg	30kg	50kg	85kg	140kg
A放鬆狀態 unclamp	95.5	102.5	106	113	119
B	66.5	71	75	80	86
C'	35	40	45	50	56
D	□16	□19	□19	□25.4	□25.4
D'	-	□19	□19	□22	□22
G	30	50	50	70	70
G'	-	100	100	120	120
H	8	9	9	10	10
I	7	9	9	9	10
K	-	9	9	10	10
氣孔L1(夾緊clamp) / L2(放鬆unclamp)	M5x0.8	1/8PT	1/8PT	1/8PT	1/8PT
N	M6x1	M8x1.25	M8x1.25	M10x1.5	M10x1.5
N'	-	ø8	ø8	ø8	ø8
S'	M40x1.5	M50x1.5	M55x1.5	M65x1.5	M80x1.5
T(x2pcs)鎖環(nut)	9	11	11	12	12
T'	ø58	ø70	ø75	ø85	ø100
weight 重量 kg	0.8	1.1	1.25	1.7	2

unit 單位: mm

上安裝型: Upper Flange Type


上安裝型式 Upper flange type	NAU-32 NAUD-32	NAU-40 NAUD-40	NAU-50 NAUD-50	NAU-63 NAUD-63
最大使用壓力 max. pressure	10kg/cm ²			
一般使用壓力 normal pressure	4-6kg/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(5kg/cm ²) clamping force	25kg	47kg	85kg	130kg
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
氣孔L1(夾緊clamp) / L2(放鬆unclamp)	1/8PT	1/8PT	1/8PT	1/8PT
氣路板型 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) angle	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