

High Pressure Swing Clamping Cylinder

NFS series

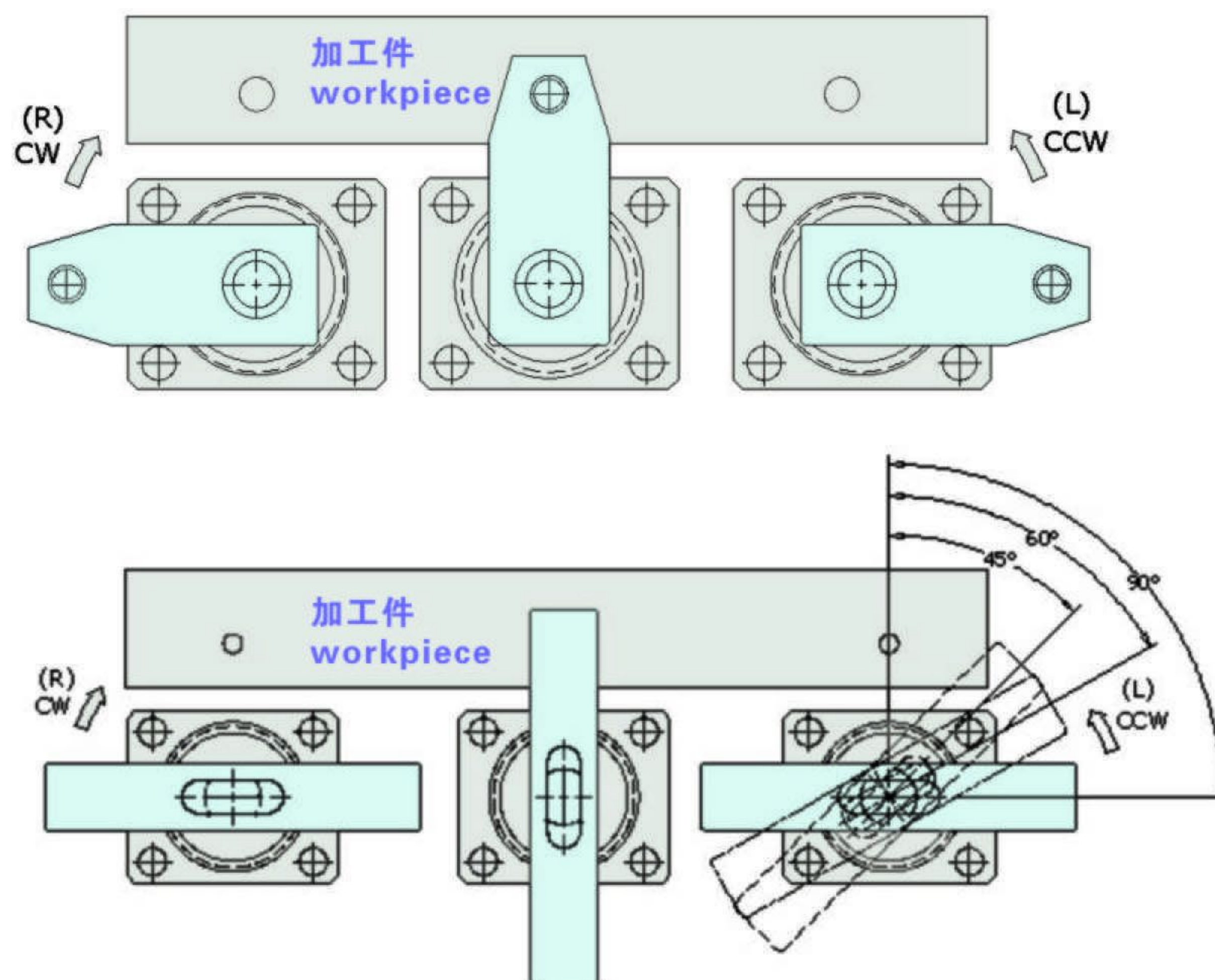
產品說明：

- 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
- 缸體為高級碳鋼材質,表面硬化處理
- 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桿處油封上的鐵屑異物,避免下次使用異物嵌入油封

Application

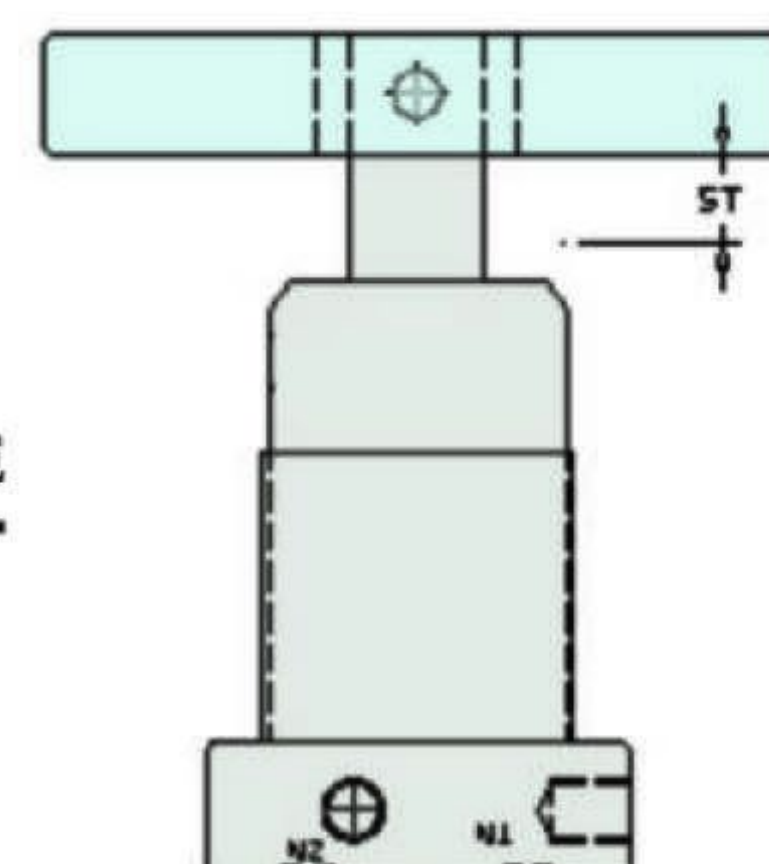
- During clamp retraction, the piston rod rotates, causing the clamping arm to swing in either a clockwise or counterclockwise direction. Clamping then takes place as the rod continues to retract in a straight line, pulling the arm against the workpiece.
- Pull cylinder type. Available models offer angles of rotation of 0°, 45°, 60° or 90°.
- The cylinder body is made of carbon steel, 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 objects from entering the seal to cause oil leakage.

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



訂購範例：Ordering Example:

NFS	L	- 32	A	F	X	90°
機種 MODEL	旋轉方向 SWIVEL DIR.	活塞尺寸 PISTON DIA.				角度 ANGLE
NFS	CW-R 右	25	A-單動	F-油路板式		0°
NDS	CCW-L 左	32	A-Single acting	Manifold		45°
NFT	P-不旋轉	40	B-複動	空白-管接式		60°
NDT	No swing		B-Double acting	Blank-Line type		90°



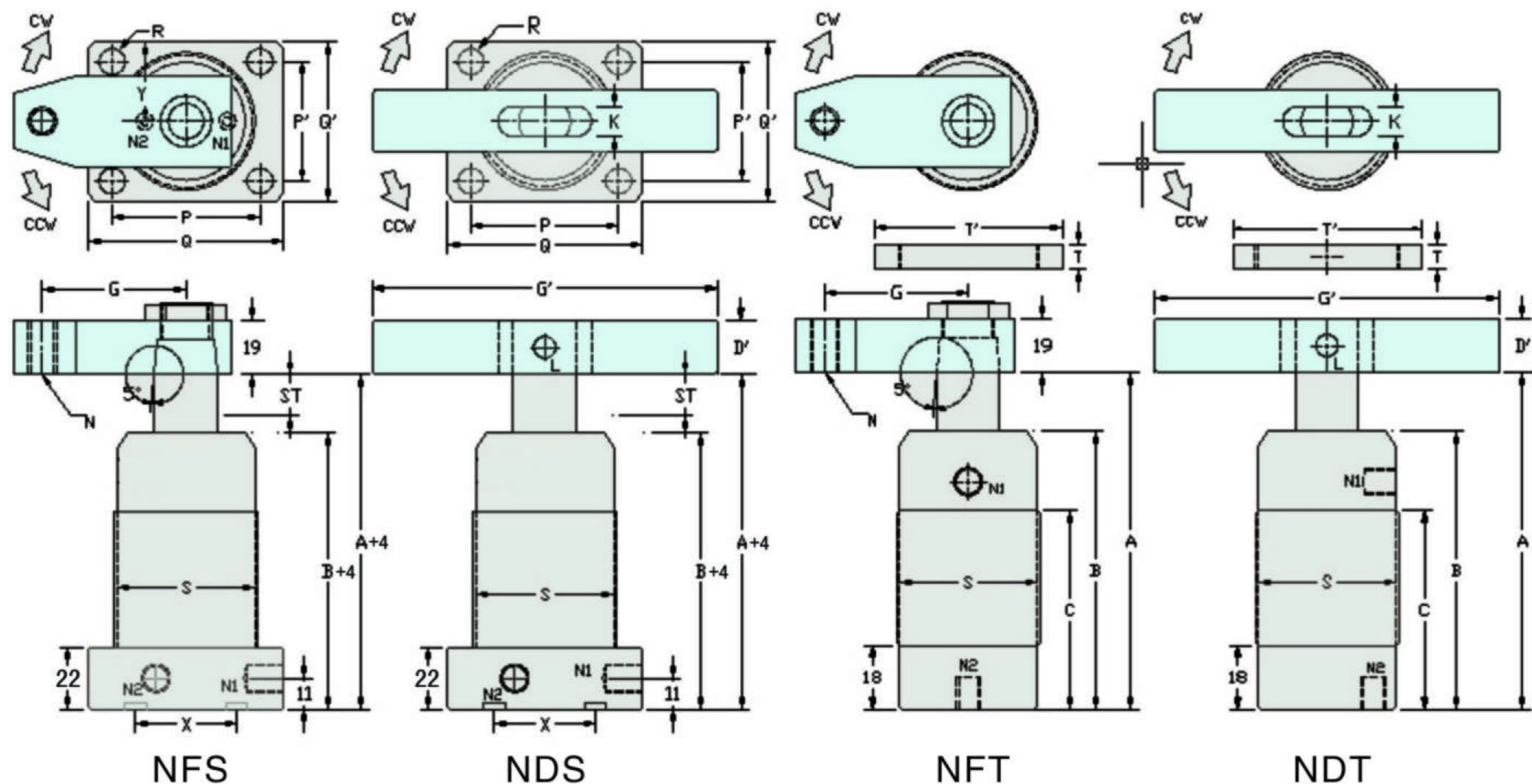
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最大使用壓力 Max:350kg/cm²



四方底座型 flang type	NFS-25A NDS-25A	NFS-32A NDS-32A	NFS-40A NDS-40A	NFS-25B NDS-25B	NFS-32B NDS-32B	NFS-40B NDS-40B
外螺牙型 Threaded Type	NFT-25A NDT-25A	NFT-32A NDT-32A	NFT-40A NDT-40A	NFT-25B NDT-25B	NFT-32B NDT-32B	NFT-40B NDT-40B
最大使用壓力 max. pressure	350kg/cm ²					
一般使用壓力 normal pressure	50-210kg/cm ²					
缸體運行方式 acting type	單動 single acting			複動 double acting		
轉角度數 swivel angle	90°(0°,45°,60°)±2°					
轉角行程 swivel stroke	12	12	12	15	15	15
夾緊行程 clamping stroke	11	11	11	18	18	18
活塞直徑 bore dia.	25	32	40	25	32	40
活塞杆徑 piston rod dia.	18	22	25	18	22	25
理論壓力(210kg/cm ²)clamping force	495kg	890kg	1600kg	495kg	890kg	1600kg
A放鬆狀態 unclamp	131	128	128	136	136	136
B	102	97	98	102	97	98
C	66	70	72	66	70	72
D'	□19	□22	□25.4	□19	□22	□25.4
G	45	50	50	45	50	50
G'	100	120	140	100	120	140
K	9	10	12	9	10	12
L	ø8	ø8	ø10	ø8	ø8	ø10
油孔N1(夾緊clamp) / N2(放鬆unclamp)	1/8PT	1/8PT	1/8PT	1/8PT	1/8PT	1/8PT
油路板型 O-ring Manifold	P7	P7	P7	P7	P7	P7
N	M12x1.75	M12x1.75	M12x1.75	M12x1.75	M12x1.75	M12x1.75
P	50	54	66	50	54	66
P'	30	34	40	30	34	40
Q	64	68	84	64	68	84
Q'	46	54	64	46	54	64
R	6.5ø	8.5ø	8.5ø	6.5ø	8.5ø	8.5ø
S	M45x1.5	M50x1.5	M60x1.5	M45x1.5	M50x1.5	M60x1.5
T(x2pcs)	10	11	11	10	11	11
T'	65ø	70ø	80ø	65ø	70ø	80ø
X	35	40	50	35	40	50
Y	23	27	32	23	27	32
weight 重量 kg	1.5	1.9	2.9	1.5	1.9	2.9

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unit 單位: mm