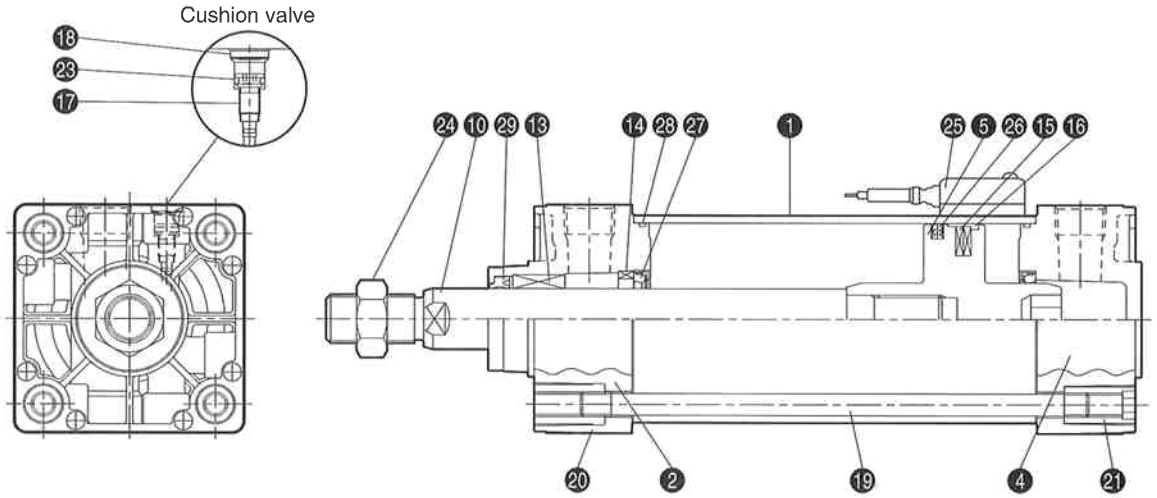
10A-6 PNEUMATIC CYLINDER

INTERNAL STRUCTURAL DRAWING/ DOUBLE-ACTING SINGLE ROD

● STANDARD TYPE ● VAL SET

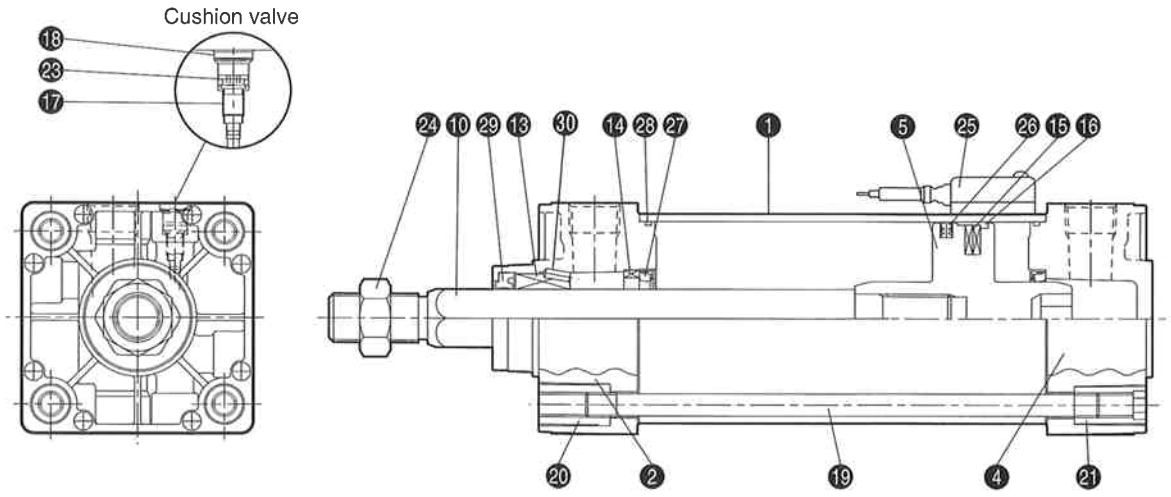
Standard type

ϕ 32 ~ ϕ 125



Non-rotating type

ϕ 40 ~ ϕ 100



PARTS LIST/ DOUBLE-ACTING SINGLE ROD

No.	Part name	Material	Q'ty
❶	Cylinder tube	Aluminum alloy	1
❷	Rod cover	Diecast aluminum alloy	1
❹	Head cover	Diecast aluminum alloy	1
❺	Piston	Aluminum alloy	1
❿	Piston rod	ϕ32: Stainless steel, ϕ40 ~125: Mechanical structural carbon steel	1
⓭	Bush	Standard type: Sintered oil-impregnated bearing Non-rotating type: Aluminum alloy (with wear resistant surface treatment)	1
⓮	Keep ring	Aluminum alloy	1
⓯	Magnet	—	—
⓰	Wear ring	Synthetic resin	1
⓱	Cushion valve	Carbon steel for mechanical structure	2
⓲	Snap ring	Spring steel	2
⓳	Tie rod	Carbon steel for mechanical structure	4
⓴	Tie rod nut R	Rolled steel for general structure	4
㉑	Tie rod nut H	Chromium-molybdenum steel	4
㉓	O-ring for cushion valve	Nitrile rubber	2
㉔	Rod end attachment lock nut	Rolled steel for general structure	1
㉕	Switch	—	—
㉚	Spring pin	Cold rolled special steel strip	1

PACKING LIST/STANDARD TYPE

Name / Material / Bore mm / Q'ty	㉖ Piston packing Nitrile rubber 1	㉗ Cushion packing Nitrile rubber 2	㉘ Cover O-ring Nitrile rubber 2	㉙ Rod packing Nitrile rubber 1	Packing set arrangement type
ϕ32	PWP-32N	CPF-15	1.5×32	DRP-12	AA6／PKSW-032
ϕ40	PWP-40N	CPF-20	1.5×40	DRP-16	AA6／PKSW-040
ϕ50	PWP-50N	CPF-24	1.5×50	DRP-20	AA6／PKSW-050
ϕ63	PWP-63N	CPF-24	1.5×63	DRP-20	AA6／PKSW-063
ϕ80	PWP-80N	CPF-30	1.5×80	DRP-25	AA6／PKSW-080
ϕ100	PWP-100N	CPF-35	1.5×100	DRP-30	AA6／PKSW-100
ϕ125	PWP-125N	CPF-45	S120	DRP-35	AA6／PKSW-125

Note) ● Cover O-rings are made to our standard. ● Packing set contains the wear ring.
● The nominal code of packings may be changed.

PACKING LIST/ NON-ROTATING TYPE

Name / Material / Bore mm / Q'ty	㉖ Piston packing Nitrile rubber 1	㉗ Cushion packing Nitrile rubber 2	㉘ Cover O-ring Nitrile rubber 2	㉙ Rod packing Polyurethane rubber 1	Packing set arrangement type
ϕ40	PWP-40N	CPF-20	1.5×40	PGR-14A	AA6G／PKSW-040
ϕ50	PWP-50N	CPF-24	1.5×50	PGR-19	AA6G／PKSW-050
ϕ63	PWP-63N	CPF-24	1.5×63	PGR-19	AA6G／PKSW-063
ϕ80	PWP-80N	CPF-30	1.5×80	PGR-23	AA6G／PKSW-080
ϕ100	PWP-100N	CPF-35	1.5×100	PGR-23	AA6G／PKSW-100

Note) ● Cover O-rings are made to our standard. ● Packing set contains the wear ring.
● The nominal code of packings may be changed.

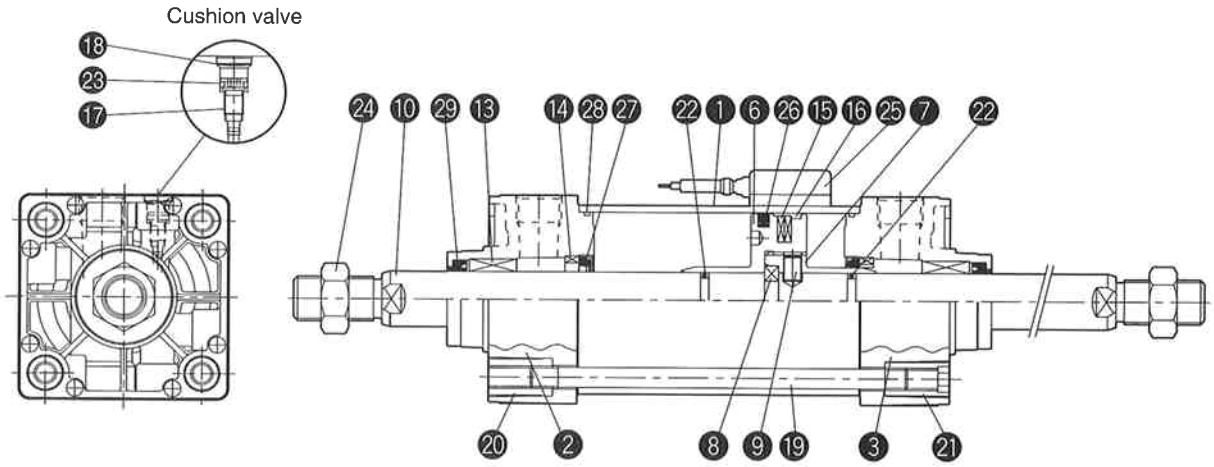
10A-6 PNEUMATIC CYLINDER

INTERNAL STRUCTURAL DRAWING/ DOUBLE-ACTING DOUBLE ROD

● STANDARD TYPE ● VAL SET

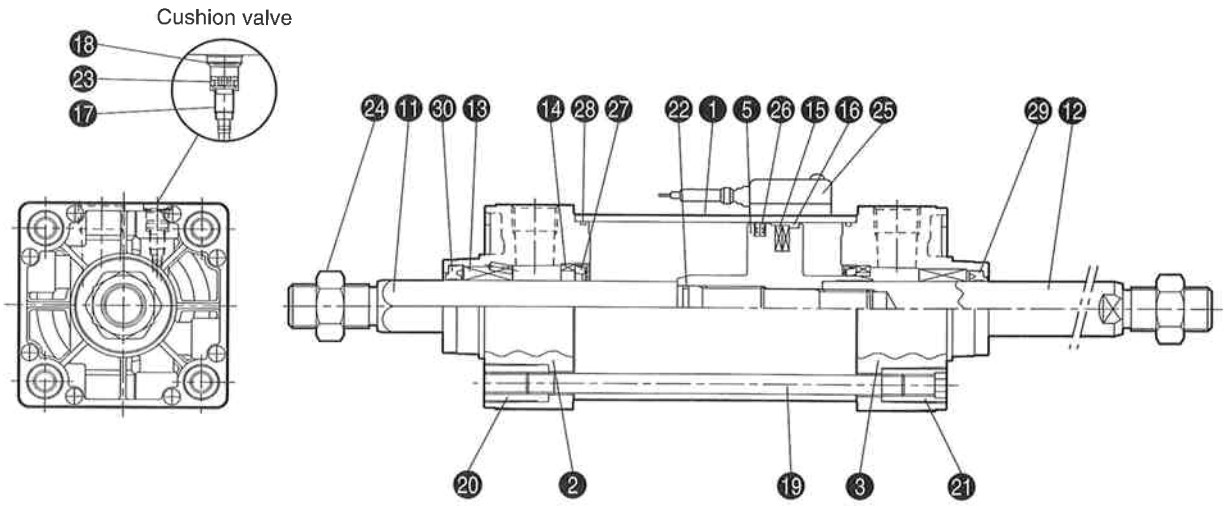
Standard type

ϕ 32 ~ ϕ 125



Non-rotating type

ϕ 40 ~ ϕ 100



PARTS LIST/ DOUBLE-ACTING DOUBLE ROD

No.	Part name	Material	Q'ty
❶	Cylinder tube	Aluminum alloy	1
❷	Rod cover	Diecast aluminum alloy	1
❸	Rod cover D	Diecast aluminum alloy	1
❺	Piston	Aluminum alloy	1
❻	Piston A	Aluminum alloy	1
❼	Piston B	Aluminum alloy	1
❽	Split ring	ϕ 32-63 : Stainless steel, ϕ 80~125: Carbon steel for mechanical structure	1
❾	Stopper pin	ϕ 32-50 : Stainless steel, ϕ 63~125: Carbon steel for mechanical structure	1
❿	Piston rod	ϕ 32 : Stainless steel, ϕ 40~125: Carbon steel for mechanical structure	1
⓫	Piston rod A	ϕ 40~100: Carbon steel for mechanical structure	1
⓬	Piston rod B	ϕ 40~100: Carbon steel for mechanical structure	1
⓭	Bush	Standard type: Sintered oil-impregnated bearing, Non-rotating type: Aluminum alloy (with wear resistant surfase treatment)	2
⓮	Keep ring	Aluminum alloy	2
⓯	Magnet	—	—
⓰	Wear ring	Synthetic resin	1
⓱	Cushion valve	Carbon steel for mechanical structure	2
⓲	Snap ring	Spring steel	2
⓳	Tie rod	Carbon steel for mechanical structure	4
⓴	Tie rod nut R	Rolled steel for general structure	4
㉑	Tie rod nut H	Chromium-molybdenum steel	4
㉒	O-ring for piston	Nitrile rubber	2
㉓	O-ring for cushion valve	Nitrile rubber	2
㉔	Rod end attachment lock nut	Rolled steel for general structure	2
㉕	Switch	—	—

PACKING LIST/STANDARD TYPE

Bore mm \ Name	㉖ Piston packing	㉗ Cushion packing	㉘ Cover O-ring	㉙ Rod packing	Packing set arrangement type
Material	Nitrile rubber	Nitrile rubber	Nitrile rubber	Nitrile rubber	
Q'ty	1	2	2	2	
ϕ 32	PWP-32N	CPF-15	1.5X32	DRP-12	AA6D/PKSW-032
ϕ 40	PWP-40N	CPF-20	1.5X40	DRP-16	AA6D/PKSW-040
ϕ 50	PWP-50N	CPF-24	1.5X50	DRP-20	AA6D/PKSW-050
ϕ 63	PWP-63N	CPF-24	1.5X63	DRP-20	AA6D/PKSW-063
ϕ 80	PWP-80N	CPF-30	1.5X80	DRP-25	AA6D/PKSW-080
ϕ 100	PWP-100N	CPF-35	1.5X100	DRP-30	AA6D/PKSW-100
ϕ 125	PWP-125N	CPF-45	S120	DRP-35	AA6D/PKSW-125

Note) ● Cover O-rings are made to our standard. ● Packing set contains the wear ring.
● The nominal code of packings may be changed.

PACKING LIST/ NON-ROTATING TYPE

Bore mm \ Name	㉖ Piston packing	㉗ Cushion packing	㉘ Cover O-ring	㉙ Rod packing A	㉚ Rod packing B	Packing set arrangement type
Material	Nitrile rubber	Nitrile rubber	Nitrile rubber	Nitrile rubber	Polyurethane rubber	
Q'ty	1	2	2	1	1	
ϕ 40	PWP-40N	CPF-20	1.5X40	DRP-16	PGR-14A	AA6GD/PKSW-040
ϕ 50	PWP-50N	CPF-24	1.5X50	DRP-20	PGR-19	AA6GD/PKSW-050
ϕ 63	PWP-63N	CPF-24	1.5X63	DRP-20	PGR-19	AA6GD/PKSW-063
ϕ 80	PWP-80N	CPF-30	1.5X80	DRP-25	PGR-23	AA6GD/PKSW-080
ϕ 100	PWP-100N	CPF-35	1.5X100	DRP-30	PGR-23	AA6GD/PKSW-100

Note) ● Cover O-rings are made to our standard. ● Packing set contains the wear ring.
● The nominal code of packings may be changed.