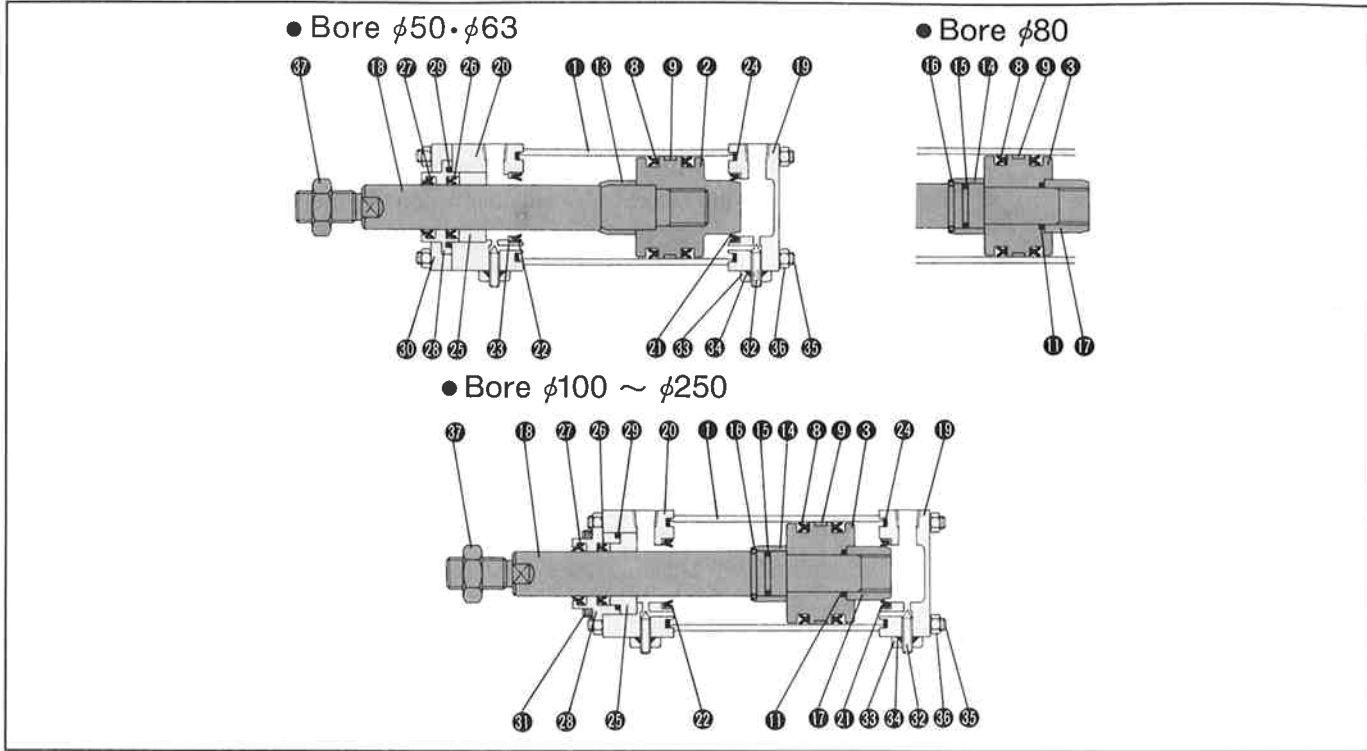


10A-3 STRONG FORCE TYPE AIR CYLINDER

SECTIONAL DRAWINGS



PARTS LIST

No.	Name	Material	Q'ty
1	Cylinder body	Carbon steel tube	1
2	Piston (φ50 · φ63)	Carbon steel	1
3	Piston (φ80~φ250)	Carbon steel	1
8	Piston seal	Nitrile rubber	2
9	Wear ring	Synthetic resin	1/2max φ125 2min φ50
11	Piston rod O-ring	Nitrile rubber	1
18	Cushion ring (φ50·φ63)	Brass pipe	1
14	Cushion ring (φ80~φ250)	Rolled steel	1
15	Cushion ring O-ring	Nitrile rubber	1
16	Stop ring	Piano wire	1
17	Piston nut	Rolled steel	1
19	Piston rod	Carbon steel	1
19	Cap	Carbon steel (φ50~φ100) Rolled steel (φ125~φ250)	1
20	Head cover	Carbon steel (φ50~φ100) Rolled steel (φ125~φ250)	1
21	Cushion seal (cap)	Canned nitrile rubber	1
22	Cushion seal (head)	Canned nitrile rubber	1

No.	Name	Material	Q'ty
23	Back-up ring	Cold rolled steel plate	1
24	End seal	Nitrile rubber	2
25	Rod gland	Sintered oilless alloy (φ50~φ125) Oilless alloy (φ160~φ250)	1
26	Rod seal	Nitrile rubber	1
27	Dust wiper	Polyurethane rubber	1
28	Seal housing	Carbon steel (φ50~φ200) Rolled steel (φ250)	1
29	Seal housing O-ring	Nitrile rubber	1
30	Retainer	Carbon steel	1
31	Seal housing set screw	Chromium-molybdenum steel	4
32	Cushion needle	Chromium-molybdenum steel	2
33	Cushion lock nut	Rolled steel	2
34	Cushion needle seal	Fluoric resin	2
35	Tie rod	Carbon steel	4
36	Tie rod nut	Rolled steel	8
37	Lock nut for rod end attachment	Carbon steel (φ50~φ200) Rolled steel (φ250)	1

SEAL LIST

Name	8	11	15	21	22	24	26	27	29	34
Q'ty	Piston seal	Piston rod O-ring	Cushion ring O-ring	Cushion seal (cap)	Cushion seal (head)	End seal	Rod seal	Dust wiper	Seal housing O-ring	Cushion needle seal
Bore (mm)	2	1	1	1	1	2	1	1	1	2
φ 50	PNU-40	—	—	PCS-28	PCS-28	TX-50	PNU-22	DA-22	N-38	SF-6
φ 63	PNU-53	—	—	PCS-28	PCS-28	TX-63	PNU-22	DA-22	N-38	SF-8
φ 80	PNU-70	P-21	P-21	PCS-35	PCS-40	TX-80	PNU-25A	DA-25	G-45	SF-8
φ100	PNU-90	P-28	P-26	PCS-40	PCS-45	TX-100	PNU-32	DA-32	G-45	SF-8
φ125	PNU-115	P-34	G-35	PCS-50	PCS-55	TX-125	PNU-40	DA-40	G-55	SF-8
φ160	PNU-145	G-40	G-45	PCS-60	PCS-65	TO-160	PNU-50	DA-50	G-65	SF-10
φ180	PNU-165	G-40	G-45	PCS-60	PCS-65	TO-180	PNU-50	DA-50	G-65	SF-10
φ200	PNU-185	G-40	G-45	PCS-60	PCS-65	TO-200	PNU-50	DA-50	G-65	SF-10
φ250	PNU-230	G-50	※G-58	PCS-65	PCS-75	TO-250	PNU-63	DA-63	G-80	SF-10

O-ring is JIS B2401-1A. But, * mark indicates Our Company's standard. When replacing seal, apply genuine **TAIYO** pneumatic equipment grease (20g / tube).