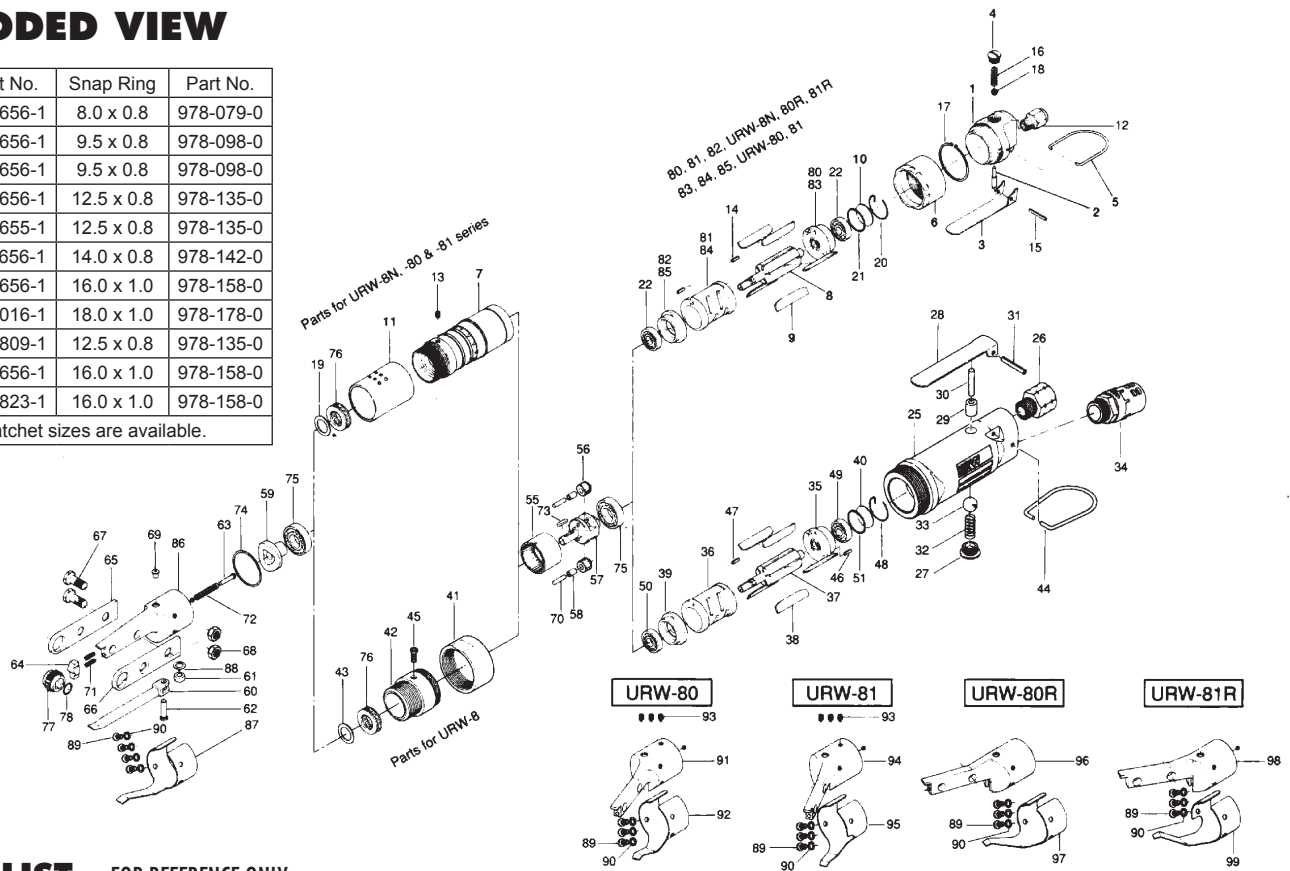


URW-8, -8N, -80, -80R, -81, & -81R SERIES RATCHET WRENCHES

EXPLODED VIEW

Size	Part No.	Snap Ring	Part No.
7 mm	221-656-1	8.0 x 0.8	978-079-0
8 mm	222-656-1	9.5 x 0.8	978-098-0
9 mm	201-656-1	9.5 x 0.8	978-098-0
10 mm	210-656-1	12.5 x 0.8	978-135-0
11 mm	858-655-1	12.5 x 0.8	978-135-0
12 mm	211-656-1	14.0 x 0.8	978-142-0
13 mm	207-656-1	16.0 x 1.0	978-158-0
15 mm	881-016-1	18.0 x 1.0	978-178-0
7/16"	858-809-1	12.5 x 0.8	978-135-0
1/2"	209-656-1	16.0 x 1.0	978-158-0
9/16"	858-823-1	16.0 x 1.0	978-158-0

Many other ratchet sizes are available.



PARTS LIST — FOR REFERENCE ONLY

Index Number	Part Number	Description	Qty.
PARTS FOR URW-8N, -80, -80R, -81, & -81R			
1	201-014-1	Handle	1
2	201-104-1	Valve Rod	1
3	020-107-1	Valve Lever	1
4	201-108-1	Valve Plug	1
5	201-790-1	Suspension Ring	1
6	201-736-1	Handle Nut	1
7	201-025-1	Casing	1
8	201-287-1	Rotor	1
9	201-288-1	Blade	5
10	510-291-1	Rear Plate Spacer	1
11	201-782-1	Exhaust Deflector	1
12	942-114-0	Connecting Screw	1
13	952-204-0	Allen Head Screw (M4 x 23)	1
14	973-110-0	Roll Pin (3 x 10)	2
15	973-124-0	Roll Pin (3 x 24)	1
16	976-129-0	Spring (6.5 x 21)	1
17	979-543-0	Outer Snap Ring (WR43)	1
18	981-207-0	Steel Ball (9/32)	1
19	201-697-1	Thrust Rear Spacer	1
20	978-310-0	Snap Ring (31 x 1.2)	1
21	990-920-0	O-Ring (SNS-25)	1
22	982-024-0	Ball Bearing (629)	2
PARTS FOR URW-8			
25	201-984-5	Casing Assembly	1
26	191-091-5	Air Inlet Bushing	1 ■
27	201-108-1	Valve Plug	1 ■
28	500-107-1	Valve Lever	1 ■
29	553-103-1	Valve Rod Bushing	1 ■
30	970-324-0	Pin (H)(4 x 24)	1 ■
31	973-124-0	Roll Pin (3 x 24)	1 ■
32	977-154-0	Cone Spring (7 x 7.5 x 17)	1 ■
33	981-030-0	Polyurethane Ball (3/8)	1 ■
34	235-885-0	Silencer	1
35	201-285-5	Rear Plate	1
36	621-286-0	Cylinder	1
37	201-287-1	Rotor	1
38	201-288-5	Blade	5
39	201-289-6	Front Plate	1
40	609-291-1	Rear Plate Spacer	1

Index Number	Part Number	Description	Qty.
41	201-081-5	Cap Nut	1
42	201-029-5	Gear Casing	1
43	201-697-5	Thrust Rear Spacer	1
44	010-790-1	Suspension Ring	1
45	952-220-0	Allen Head Screw (M5 x 5) (MEC)	1
46	973-006-0	Roll Pin (2 x 6)	1
47	973-108-0	Roll Pin (3 x 8)	1
48	978-269-0	Snap Ring (27 x 1.2)	1
49	982-016-0	Ball Bearing (609)	1
50	982-024-0	Ball Bearing (629)	1
51	990-919-0	O-Ring (SNS-22)	1
COMMON PARTS			
55	201-465-1	Internal Gear	1
56	201-470-2	Planet Gear	2
57	201-480-1	Gear Cage	1
58	312-496-1	Planet Gear Bushing	2
59	201-346-1	Cam	1
60	201-650-1	Rod	1
61	201-651-1	Cam Roller	1
62	201-652-2	Cam Roller Pin	1
63	201-653-1	Cam Roller Push Pin	1
64	201-562-1	Checker	1
65	201-664-1	Rod Guide (Right)	1
66	201-665-1	Rod Guide (Left)	1
67	201-666-1	Rod Guide Bolt	2
68	201-667-1	Rod Guide Nut	2
69	968-131-0	Grease Cup (1/4)	1
70	972-119-0	Roller Pin (4 x 18)	2
71	976-032-0	Spring (3.6 x 13)	2
72	976-119-0	Spring (6 x 40)	1
73	974-015-0	Key (3 x 15)	1
74	975-875-0	Adjusting Spacer (44 x 40.2 x t)	1
75	982-404-0	Ball Bearing (EE-5)	2
76	986-003-0	Thrust Ball Bearing (51103)	1
77	212-656-1	Ratchet (14 mm)	1
78	978-158-0	Snap Ring (16 x 1.0)	1
PARTS FOR URW-8N, -80R, & -81R			
80	510-285-2	Rear Plate	1

Index Number	Part Number	Description	Qty.
81	510-286-1	Cylinder	1
82	201-289-1	Front Plate	1
PARTS FOR URW-80 & -81			
83	229-285-1	Rear Plate	1
84	229-286-1	Cylinder	1
85	229-289-2	Front Plate	1
PARTS FOR URW-8 & -8N			
86	201-381-1	Cam Casing	1
87	201-663-1	Rod Plate Spring	1
88	201-807-1	Spacer	1
89	948-208-0	Round Head Screw (M5 x 8)	4
90	962-008-0	Spring Washer (2-55)	4
PARTS FOR URW-80			
91	229-381-1	Cam Casing	1
92	229-663-1	Rod Plate Spring	1
93	954-105-0	Allen Head Screw (M4 x 5)	3
89	948-208-0	Round Head Screw (M5 x 8)	3
90	962-008-0	Spring Washer (2-55)	3
PARTS FOR URW-81			
94	231-381-1	Cam Casing	1
95	231-663-1	Rod Plate Spring	1
93	954-105-0	Allen Head Screw (M4 x 5)	3
89	948-208-0	Round Head Screw (M5 x 8)	3
90	962-008-0	Spring Washer (2-55)	3
PARTS FOR URW-80R			
96	229-381-6	Cam Casing	1
97	229-663-6	Rod Plate Spring	1
89	948-208-0	Round Head Screw (M5 x 8)	3
90	962-008-0	Spring Washer (2-55)	3
PARTS FOR URW-81R			
98	231-381-6	Cam Casing	1
99	231-663-6	Rod Plate Spring	1
89	948-208-0	Round Head Screw (M5 x 8)	3
90	962-008-0	Spring Washer (2-55)	3



10000 SE PINE
PORTLAND, OR 97216
503-254-6600
FAX 503-255-2615

When ordering spare parts, please specify
tool type, part number, and description.

FOOTNOTES

■ = #25 Casing Assembly Component