

URYU OPEN-END WRENCHES

SPECIFICATIONS

※ The uncertainty in the sound levels is 3dB(A).

Model	Max. Torque/Range (about)		Free Speed (about)	Weight (about)		Average Air Consumption (about)		Sound Pressure Level (L _{PA})	Sound Power Level (L _{WA})	Vibration Total Value (A _{nd})	Vibration Uncertainty (K)
	Nm	ft-lbs	rpm	kg	lb	m ³ /min.	ft ³ /min.	db(A)	db(A)	m/sec ²	m/sec ²
UOW-11-10	13	9.6	390	1.50	3.31	0.3	10.5	76	-	< 2.5	0.47
UOW-11-14	16	11.8	290	1.60	3.52	0.3	10.5	76	-	< 2.5	0.47
UOW-11-22	24	17.8	220	1.75	3.85	0.3	10.5	76	-	< 2.5	0.47
UOW-11-30	32	23.7	160	2.00	4.40	0.3	10.5	76	-	< 2.5	0.47

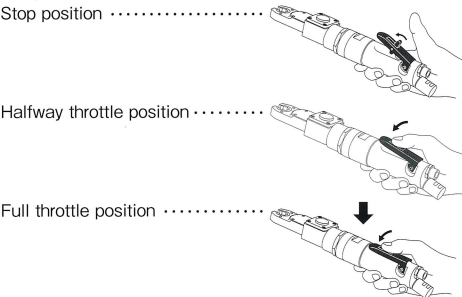
SHUT-OFF-TYPE

UOW-T60-10	4-14	3.0-10.4	300	2.10	4.62	0.3	10.5	76	-	< 2.5	0.47
UOW-T60-14	5-17	3.7-12.6	240	2.20	4.85	0.3	10.5	76	-	< 2.5	0.47
UOW-T60-22	7-24	5.2-17.8	170	2.35	5.18	0.3	10.5	76	-	< 2.5	0.47
UOW-T60-30	10-32	7.4-23.7	130	2.60	5.73	0.3	10.5	76	-	< 2.5	0.48

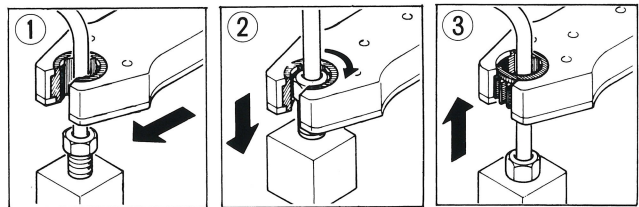
* Recommended Air Pressure : 0.6MPa (85psi)
* Air Inlet Thread (Pipe Tap) : N.P.T. 1/4
* Air Hose Size : 9.5mm (3/8in)

SAFETY START LEVER AND GEAR SOCKET POSITION

All UOW tools are equipped with safety start lever preventing an accidental start. Use UOW following an orderly manner described below.



(OPERATION)



In starting the tool, confirm that its front mouth is fastener engaged sliding UOW open. If not, hold the lever halfway down until tool's front is open.

Have gear socket and fastener engaged sliding UOW down before doing up before operating the lever halfway to detach UOW from the work.

Disengage gear socket from fastener sliding UOW up before operating the lever halfway to detach UOW from the work.

IMPORTANT!!

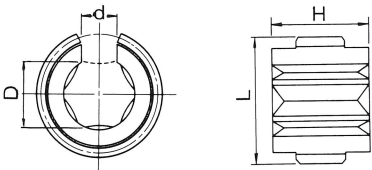
- ★ **Air Pressure:** — 0.6MPa (85psi) Air Pressure is recommended for good performance. Too high air pressure will shorten tool's life.
- ★ **Lubrication:** — **For Air Motor** — Supply Turbine Oil properly through Air Inlet or Line Oilier every before and after operation. (for example, MOBIL TURBINE OIL #32, SHELL TURBINE OIL #32 and or equivalents.)
For Gears and Bearings — Supply recommended high quality grease properly (for example, SHELL ALVANIA NO.2, SHELL ALVANIA EP, MOBILPLEX 2, MOBILPLEX 47 and or equivalents.) every three months and when the tool is overhauled.
Over -greasing will cause dull motion or heating.
- ★ **Dry & Clean Air:** — Drain daily, and install Filter at or near the take-off point to prevent trouble from foreign matter.
- ★ **Air Hose & Joints:** — Use air hose (the shorter, the better), joints and other fittings of good condition and of proper size to avoid pressure drop.
- ★ **Ratchet:** — Do not use over-sized and worn Gear Socket.
- ★ **Genuine Parts:** — Use only URYU's genuine spare parts for replacement.

Distributed by :

GEAR SOCKETS

Model	L	H	D	d	Code No.	Model	L	H	D	d	Code No.
	mm	mm	mm (in)	mm			mm	mm	mm (in)	mm	
UOW 11-10 & T60-10	20.48	14	8	5	858-966-1	UOW 11-22 & T60-22	35.68	16	14	13	858-976-1
			9	6	858-967-1				17	13	858-992-1
			* 10	6	233-447-0				18	13	858-977-1
			11	6	858-968-1				19	15	858-994-1
			(1/4)	4.8	862-503-1				21	15	858-941-1
			(3/8)	6	862-500-1				* 22	15	234-447-0
UOW 11-14 & T60-14	26.88	14	10	6	858-960-1	UOW 11-30 & T60-30	47.68	16	(9/16)	13	862-508-1
			11	6	858-974-1				(5/8)	13	862-509-1
			12	8	858-971-1				(11/16)	14	862-510-1
			13	9	858-972-1				23	18	858-981-1
			* 14	9	233-447-4				24	18	858-999-1
			15	9	862-579-1				27	21	858-982-1
			17	11	862-514-1				28	21	858-942-1
			(1/2)	8	862-502-1				29	22	858-983-1
			(7/16)	8	862-501-1				* 30	23	234-447-6
			(9/16)	9	858-973-1				(5/8)	13	862-516-1
									(7/8)	15	862-511-1
									(13/16)	15	862-517-1

* In addition to listed sizes, many other sizes are available for each model. Specify Hex. size of Gear Socket when ordering. Otherwise the standard Gear Socket (marked with *) is supplied.



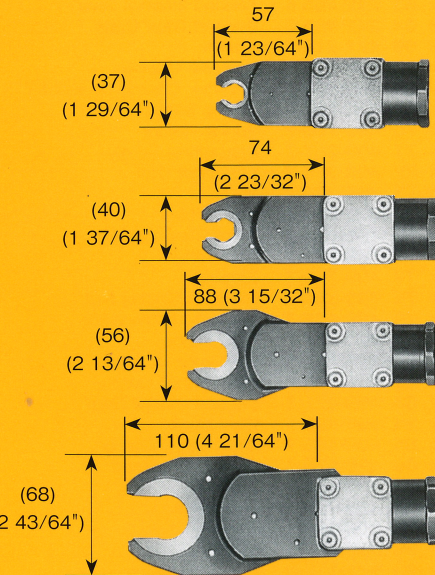
UPT (URYU Pneumatic Tools)

UOW-11 & T60 Series OPEN-END WRENCHES

URYU offers two types of Open-End Wrenches for speedy job on tube nut tightening. UOW-11 series is a stall torque type and UOW-T60 series is a mechanical shut-off type with external torque adjustment. All gear drive mechanism without ratcheting provides precise torque, silent operation and longer tool life. The unique one-hand two-step throttle lever enables the socket to return to the open position and ensures smooth & easy operation. UOW-T60 series ensures more precise fastening and less operator fatigue due to fast shut-off clutch mechanism.

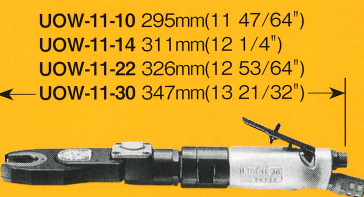


OPEN-END HEAD

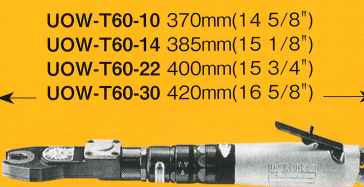


Open-End Head is common to both UOW-11 & UOW-T60 series tools.

(STANDARD TYPE)



(SHUT-OFF TYPE)



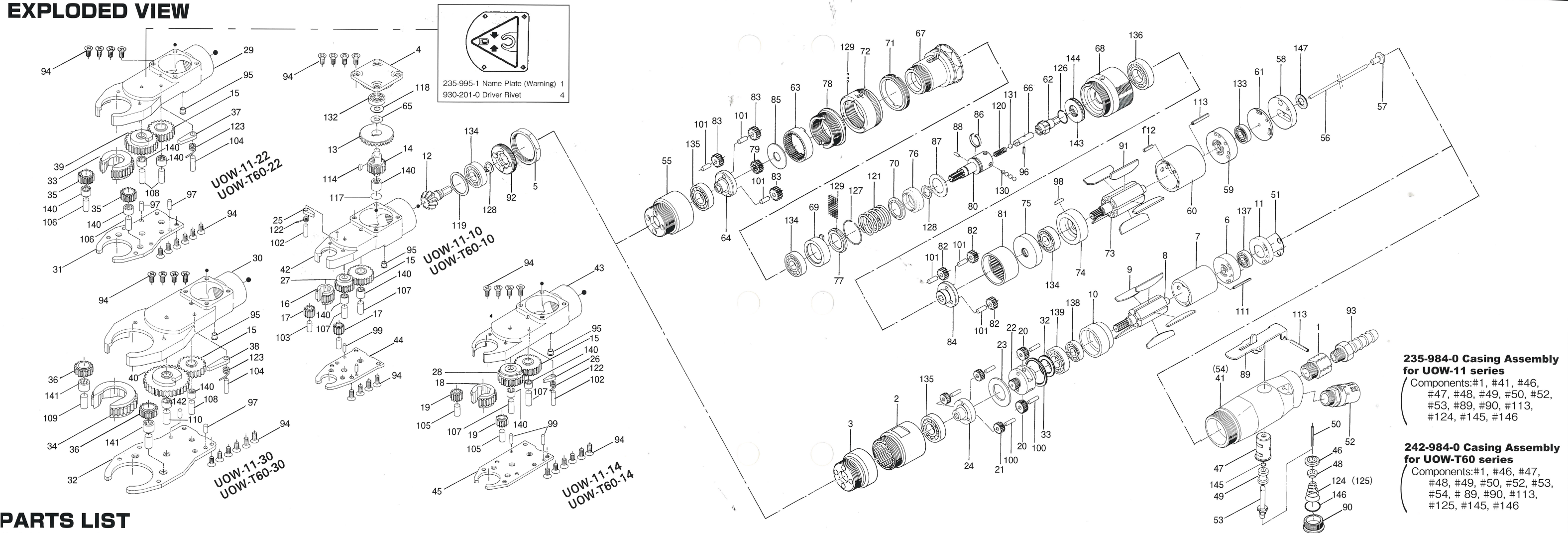
URYU SEISAKU, LTD.
Osaka, Japan

OKA-152-19-08-23-1023

Printed in Japan

UOW-11 & UOW-T60 Series OPEN-END WRENCHES

EXPLODED VIEW



PARTS LIST

Index No.	Code No.	Parts Name	Quantity	Index No.	Code No.	Parts Name	Quantity	Index No.	Code No.	Parts Name	Quantity
CASING SECTION				#145	990-593-0	O-Ring (5.1×1)	1	#59	242-285-0	Rear Plate	1
#41	235-025-0	Casing for UOW-11 series	1	#146	990-914-0	O-Ring (SNS-16)	1	#60	242-286-0	Cylinder	1
#124	977-254-0	Cone Spring (10×15×16)	1	PARTS FOR UOW-11 SERIES				#61	242-291-1	Rear Plate Spacer	1
#54	242-025-0	Casing for UOW-T series	1	#2	233-029-1	Gear Casing	1	#62	242-346-1	Cam	1
#125	977-256-0	Cone Spring (10×15×22)	1	#3	233-037-0	Gear Casing Connector	1	#63	242-466-0	Second Internal Gear	1
#1	191-091-5	Air Inlet Bushing	1	#6	233-285-0	Rear Plate	1	#64	242-485-0	Second Gear Cage	1
#4	233-072-0	Bevel Gear Casing Cover	1	#7	233-286-0	Cylinder	1	#66	471-318-5	Pilot Pin	1
#5	233-073-0	Gear Casing Lock Nut	1	#8	233-287-0	Rotor	1	#67	499-028-7	Hammer Casing	1
#12	233-420-0	Driving Gear	1	#9	233-288-0	Blade	5	#68	499-036-7	Hammer Casing Connector	1
#13	233-430-0	Driven Gear	1	#10	233-289-1	Front Plate	1	#69	499-164-7	Spring Setter	1
#14	233-438-1	Driven Gear Spindle	1	#11	233-291-0	Rear Plate Spacer	1	#70	499-165-7	Spring Holder	1
#46	235-100-1	Valve	1	#20	233-470-0	First Planet Gear	2	#71	499-257-7	Regulating Screw	1
#47	235-101-0	Valve Bushing	1	#21	233-471-0	Second Planet Gear	3	#72	499-264-7	Regulator Dial	1
#48	235-106-1	Valve Rod Cap	1	#22	233-480-0	First Gear Cage	1	#73	499-287-7	Rotor	1
#49	235-210-0	Reverse Valve	1	#23	233-483-0	Gear Cage Spacer	1	#74	499-289-7	Front Plate	1
#50	235-650-0	Rod (φ1.6×30)	1	#24	233-485-0	Second Gear Cage	1	#75	499-296-7	Front Plate Spacer	1
#52	235-885-0	Silencer Assembly	1	#51	235-854-0	Casing Packing	1	#76	499-375-8	Cam Ring	1
#53	241-104-0	Valve Rod	1	#100	972-092-0	Needle Roller (3×12)	5	#77	499-379-7	Retainer	1
#65	470-344-8	Cam Spacer	1	#111	973-024-0	Roll Pin (2×24)	1	#78	499-382-7	Hammer Casing Nut	1
#89	508-914-4	Self-Locking Lever Assy.	1	#115	975-167-0	Spacer (24×16×1)	1	#79	499-445-3	Second Middle Gear	1
#90	566-108-4	Valve Plug	1	#116	975-257-0	Spacer (33.8×29×1.5)	1	#80	499-452-7	Cam Guide	1
#92	878-161-1	Ball Bearing Support	1	#135	982-101-0	Ball Bearing (6001)	1	#81	499-465-7	First Internal Gear	1
#113	973-124-0	Roll Pin (3×24)	1	#137	982-401-0	Ball Bearing (EE-2)	1	#82	499-470-7	First Planet Gear	3
#114	974-766-0	Key (4×6)	1	#138	982-402-0	Ball Bearing (EE-3)	1	#83	499-471-3	Second Planet Gear	3
#117	975-592-0	Round Plate (10×1)(H)	1	#139	982-403-0	Ball Bearing (EE-4)	1	#84	499-480-7	Gear Cage	1
#118	975-749-0	Adjusting Spacer (13×6×T)	1	PARTS FOR UOW-T60 SERIES				#85	499-483-7	Gear Cage Spacer	1
#119	975-802-0	Adjusting Spacer (26×22×T)	1	#55	242-029-0	Gear Casing	1	#86	499-670-7	Cam Guide Band	1
#128	979-107-0	Outer Snap Ring (10)	1	#56	242-104-1	Valve Rod (2×96.5)	1	#87	499-682-7	Spacer	1
#132	982-013-0	Ball Bearing (606)	1	#57	242-254-0	Shut off Valve	1	#88	499-764-7	Notch Pin	1
#134	982-100-0	Ball Bearing (6000)	1	#58	242-282-1	Casing Bushing	1	#91	609-288-1	Blade	5
#140	988-380-0	Needle Roller Bearing (F68)	1					#96	969-470-0	Pin (E) (2×8)	1
								#98	971-110-0	Pin (2×10)	1

Index No.	Code No.	Parts Name	Quantity	Index No.	Code No.	Parts Name	Quantity	Index No.	Code No.	Parts Name	Quantity
#101	972-111-0	Needle Roller (4×1)	6	#107	972-216-0	Needle Roller (6×16)	2	#104	972-163-0	Needle Roller (5×18)	1
#112	973-112-0	Roll Pin (3×12)	1	#122	976-926-0	Spring (5.5×7)	1	#106	972-214-0	Needle Roller (6×14)	2
#113	973-124-0	Roll Pin (3×24)	1	#140	988-380-0	Needle Roller Bearing (F68)	2	#108	972-218-0	Needle Roller (6×18)	2
#120	976-244-0	Spring (4.5×18)	1	PARTS FOR UOW-11-14 & UOW-T60-14				#123	976-927-0	Spring (6.6×72)	1
#121	976-586-0	Spring (25×21)	1	#15	233-445-5	Middle Gear	1	#140	988-380-0	Needle Roller Bearing (F68)	4
#126	978-150-0	Snap Ring (15×1)	1	#18	233-447-4	Gear Socket (14)	1	PARTS FOR UOW-11-30 & UOW-T60-30			
#127	978-289-0	Snap Ring (29×1)	1	#19	233-450-4	Spur Gear	2	#15	233-445-5	Middle Gear	1
#128	979-107-0	Outer Snap Ring (10)	1	#26	233-562-4	Checker	1	#30	234-032-6	Bevel Gear Casing	1
#129	981-000-0	Ball (1/16)	52	#28	233-656-5	Ratchet Gear	1	#32	234-070-0	Gear Casing Cover	1
#130	981-003-0	Ball (5/32)	4	#43	235-032-4	Bevel Gear Casing	1	#34	234-447-6	Gear Socket (30)	1
#131	981-004-0	Ball (3/16)	1	#45	235-070-4	Gear Casing Cover	1	#36	234-450-6	Spur Gear	2
#133	982-035-0	Ball Bearing (698)	1	#94	957-318-0	Cross Flush Head Screw (M4×8)	10	#38	234-562-4	Checker	1
#134	982-100-0	Ball Bearing (6000)	2	#95	968-130-0	Grease Cup	1	#40	234-656-6	Ratchet Gear	1
#135	982-101-0	Ball Bearing (6001)	1	#99	972-089-0	Needle Roller (3×8)	2	#94	957-318-0	Cross Flush Head Screw (M4×8)	10
#136	982-102-0	Ball Bearing (6002)	1	#102	972-115-0	Roller Pin (4×16)	1	#95	968-130-0	Grease Cup	1
#143	988-837-0	Thrust Needle Bearing (NTB1226)	1	#105	972-212-0	Needle Roller (6×12)	2	#97	970-310-0	Pin (H) (4×10)	2
#144	988-962-0	Thrust Washer (AS1226)	2	#107	972-216-0	Needle Roller (6×16)	2	#104	972-163-0	Needle Roller (5×18)	1
#147	996-422-0	Packing (16×10×1)	1	#122	976-926-0	Spring (5.5×7)	1	#108	972-218-0	Needle Roller (6×18)	1
PARTS FOR UOW-11-10 & UOW-T60-10				#140	988-380-0	Needle Roller Bearing (F68)	2	#109	972-314-0	Needle Roller (8×14)	2
#15	233-445-5	Middle Gear	1	PARTS FOR UOW-11-22 & UOW-T60-22				#110	972-318-0	Needle Roller (8×18)	1
#16	233-447-0	Gear Socket (10)	1	#15	233-445-5	Middle Gear	1	#123	976-927-0	Spring (6.6×72)	1
#17	233-450-0	Spur Gear	2	#29	234-032-0	Bevel Gear Casing	1	#140	988-380-0	Needle Roller Bearing (F68)	1
#25	233-562-0	Checker	1	#31	234-070-0	Gear Casing Cover	1	#141	988-382-0	Needle Roller Bearing (F88)	2
#27	233-656-1	Ratchet Gear	1	#33	234-447-0	Gear Socket (22)	1	#142	988-383-0	Needle Roller Bearing (F810)	1
#42	235-032-0	Bevel Gear Casing	1	#35	234-450-0	Spur Gear	2	STANDARD ACCESSORIES			
#44	235-070-0	Gear Casing Cover	1	#37	234-562-0	Checker	1	#93	940-114-0	Air Hose Nipple (NPT1/4×3/8)	1
#94	957-318-0	Cross Flush Head Screw (M4×8)	8	#39	234-656-0	Ratchet Gear	1				
#95	968-130-0	Grease Cup	1	#94	957-318-0	Cross Flush Head Screw (M4×8)	10				
#99	972-089-0	Needle Roller (3×8)	2	#95	968-130-0	Grease Cup	1				
#102	972-115-0	Roller Pin (4×16)	1	#97	970-310-0	Pin (H) (4×10)	2				
#103	972-157-0	Needle Roller (5×12)	2								

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

Printed in Japan

URYU SEISAKU, LTD. Osaka, Japan

For further information, please contact at any time your nearest URYU distributor.