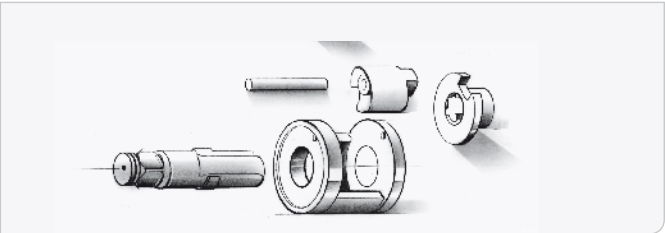
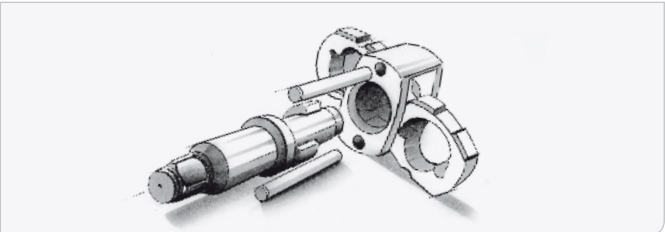


Impact wrenches

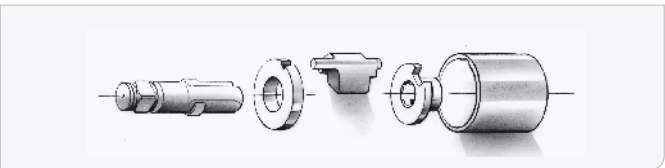
Mechanisms



The **1-hammer system** makes 1 impact per rotation at 1 side of the anvil. This causes a higher energy per blow. The impact wrenches with the 1-hammer system are especially suitable for disassembly jobs.



The **twin-hammer system** makes 2 impacts per rotation at both sides of the anvil. Same principal as the 2-hammer system, manufactured differently.



The **closed hammer system**. this construction, without loose hammerpin, will prevent breakage. The working principle is based on the 1-hammer system.

Air consumption

To choose the right compressor one needs to know how much air l/min a tool uses and how the tool will be used, continuously or intermittently. There are 2 ways to estimate the air consumption of air tools:

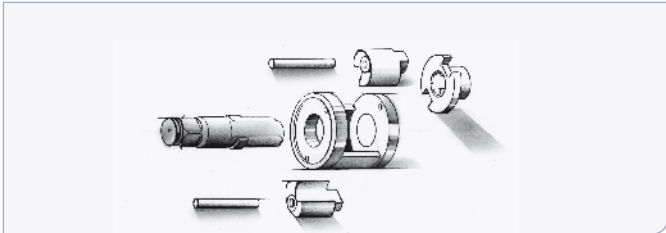
- Method 1:** Measure air consumption with continuous operation
- Method 2:** Measure with intermittent operation

Continuous operation

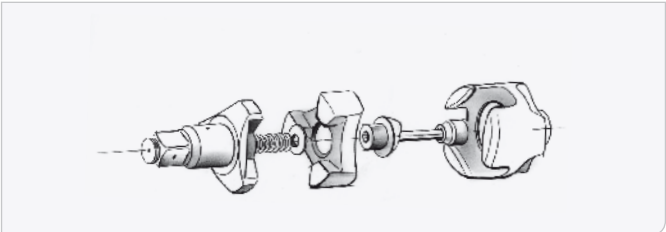
The total consumption when the trigger is pulled for a period of one minute (this is what you will find in this catalogue). If you use our tool like this you need a compressor with the capacity stated.

Intermittent operation

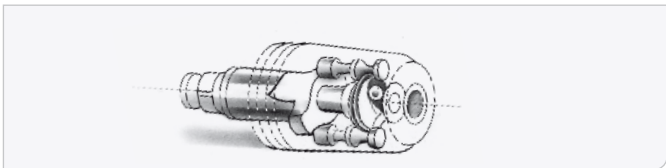
The air consumption is measured when the trigger is pulled



The **2-hammer system** makes 2 impacts per rotation at both sides of the anvil.



The **3-jaw system** gives, per rotation, one impact on all 3 jaws of the anvil. This gives a high torque output. Impact wrenches with the 3-jaw system are only suitable for hard joints.



The **Dynapact impact system** has two pins hammering on the anvil, making 1 impact per rotation at both sides of the anvil at the same time. This system give high torque output and is well balanced.

intermittently for say 25% of a minute, which gives 25% intermittence. If you use your tool like this you need a compressor with 25% of the capacity stated.

Intermittence

The average time that a tool is calculated to be used during a normal working cycle (1 min.). Intermittence varies between different types of tools, for example a grinding tool is normally in use for a long periods and therefore has a high intermittence. An impact wrench is normally used in short bursts and therefore has a lower intermittence.

An example. If at 100% intermittence, the air consumption is 800 l/min then at 25% intermittence the air consumption would be 200 l/min i.e. 25% of 800 l/min.

Impact wrenches

Pistol models

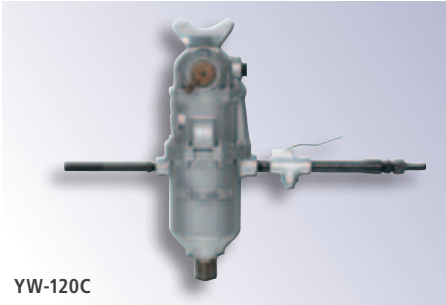
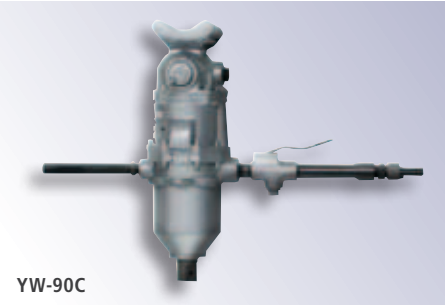
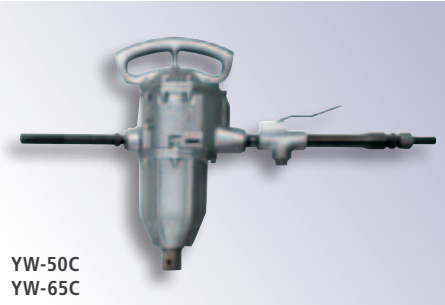


Type	Brand	Square drive	Type ⁴⁾	Bolt capacity mm	Impact-mechanism	RPM	Torque Nm	Power adjustment ⁵⁾	Air cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
YW-6CL ¹⁾	YOKOTA	3/8"	H	6	1-Hammer	6.500	145	-	4,2	1,6	PT 1/4"	6,5	18	81
MI-12	TOKU	3/8"	R	12	Twin-Hammer	9.500	160	R/L 4 levels	5,3	1,2	PT 1/4"	6,5	9,9	82
MI-16 3/8	TOKU	3/8"	R	12	Twin-Hammer	6.200	270	R/L 4 levels	5,3	1,5	PT 1/4"	6,5	4,6	87
RRI-16N 3/8	RRI	3/8"	R	12	Twin-Hammer	11.000	340	R 3 levels	5	1,3	PT 1/4"	6,5	4,6	83
MI-16 1/2	TOKU	1/2"	R	12	Twin-Hammer	6.200	310	R/L 4 levels	5,3	1,5	PT 1/4"	6,5	4,6	87
RRI-16N 1/2	RRI	1/2"	R	14	Twin-Hammer	11.000	405	R 3 levels	5	1,2	PT 1/4"	6,5	4,6	83
RR-15P	RRA	1/2"	R	14	1-Hammer	6.900	430	R/L 4 levels	6,6	2,4	PT 1/4"	10	11	82
RRI-18N	RRI	1/2"	R	16	Twin-Hammer	7.000	815	R 3 levels	8,2	2	PT 1/4"	10	4,8	83
RRI-18NT ²⁾	RRI	1/2"	R	16	Twin-Hammer	7.000	815	90 Nm ²⁾	8,2	2	PT 1/4"	10	3,1	83
RR-160H	RRA	1/2"	R	16	Dynapact	8.000	580	R/L 4 levels	8	2,3	PT 1/4"	10	11	82
V-160P	YOKOTA	1/2"	R	16	1-Hammer	6.500	580	R/L 4 levels	7,5	2,8	PT 1/4"	10	13	84
MI-1600R	TOKU	1/2"	R	16	Closed hammer	7.000	520	R/L 4 levels	8,3	2,6	PT 1/4"	10	9	80
MI-17HEG	TOKU	1/2"	R	16	Twin-Hammer	5.500	650	R/L 4 levels	8,3	2,4	PT 1/4"	10	7,4	88
RRI-21 ³⁾	RRI	1/2"	R	20	Twin-Hammer	7.500	900	R 3 levels	9,2	2	PT 1/4"	10	3,4	86
MI-20P	TOKU	3/4"	R+H	24	Twin-Hammer	5.000	1.000	R/L 4 levels	9,6	3,9	PT 3/8"	10	4,6	92
RR-20PN	RRA	3/4"	R+H	20	1-Hammer	4.800	720	R/L 4 levels	9,2	4,6	PT 1/4"	10	4	87
RRI-24N	RRI	3/4"	R+H	24	Twin-Hammer	5.500	1.625	R 3 levels	9,1	3,4	PT 3/8"	10	4,8	90
RRI-24N 1	RRI	1"	R+H	24	Twin-Hammer	5.500	1.900	R 3 levels	9,1	3,7	PT 3/8"	10	4,8	90
RRI-27P	RRI	1"	R+H	27	Twin-Hammer	6.000	2.250	R/L 3levels	15	6,3	PT 1/2"	13	8,8	96
RRI-36P	RRI	1"	R+H	36	Twin-Hammer	5.000	2.700	R/L 4 levels	24	9,9	PT 1/2"	13	8,6	100
MI-3800PR	TOKU	1"	R+H	36	Closed hammer	4.500	2.100	R/L 4 levels	15	9,3	PT 1/2"	13	8	84
MI-3800PLR ⁴⁾	TOKU	1"	R+H	36	Closed hammer	4.500	2.000	R/L 4 levels	15	9,9	PT 1/2"	13	8	84

¹⁾ YW-6CLhas an angled head for working in confined spaces
²⁾ RRI-18NT: maximum tightening torque: 90 Nm, full power in untightening
³⁾ RRI-21: breakloose torque 1.750 Nm
⁴⁾ L = Long anvil
⁵⁾ Type: R = Ring type / H = Hole type / R + H = Ring + Hole type

Impact wrenches

Heavy Duty - models



Type	Brand	Square drive	Type ¹⁾	Bolt capacity mm	Impact-mechanism	RPM	Torque Nm	Air cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
YW-50C	YOKOTA	1½"	H	52	2-Hammer	3.000	4.500	30,0	27,0	PT 1"	19	2,3	90
YW-65C	YOKOTA	1½"	H	64	2-Hammer	2.100	6.600	30,0	45,0	PT 1"	19	2,3	92
YW-90C ²⁾	YOKOTA	1¾"	H	90	2-Hammer	1.700	16.500	41,0	62,0	PT 1"	19	2,3	94
YW-120C	YOKOTA	2½"	H	130	2-Hammer	1.800	33.000	68,0	115,0	PT 1"	25	5	93

¹⁾ Type: H = Hole type / ²⁾ 1½" square drive on request / The air consumption of the impact wrenches has been measured under working conditions.

Impact wrenches sets

RRI-18N/SETSTD



- RRI-18N/SETSTD including:**
- impact wrench RRI-18
 - 5 x 1/2" impact sockets (SW 17-19-21-24-27)
 - 1 x extension bar 100 mm
 - blow mold case

RRI-18N/SETLNG



- RRI-18N/SETLNG including:**
- impact wrench RRI-18
 - 5 x 1/2" impact sockets (SW 17-19-21-24-27 Deep)
 - 1 x extension bar 100 mm
 - blow mold case

MI-17HE/SETSTD



- MI-17HE/SETSTD including:**
- impact wrench MI-17HEG
 - 5 x 1/2" impact sockets (SW 17-19-21-24-27)
 - 1 x extension bar 100 mm
 - blow mold case

MI-17HE/SETLNG



- MI-17HE/SETLNG including:**
- impact wrench MI-17HEG
 - 5 x 1/2" impact sockets (SW 17-19-21-24-27 Deep)
 - 1 x extension bar 100 mm
 - blow mold case

Impact wrenches

Straight models



RRI-36E

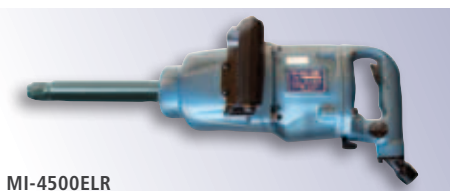
SAFETY ON THE ROAD
ADJUSTABLE SHUT-OFF



MI-590TR



MI-42ESR



MI-4500ELR



MI-38ESR



MI-3800ESR



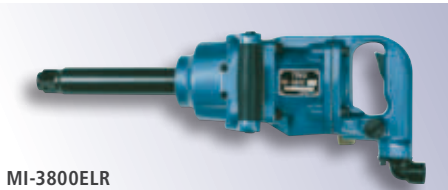
MI-42ELR



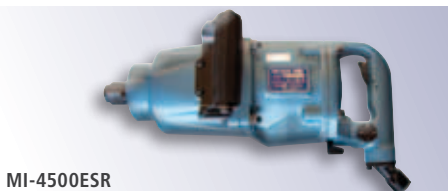
MI-5500ES



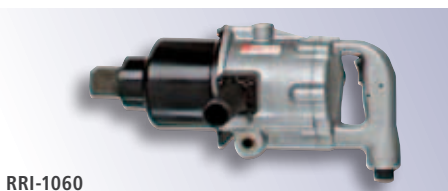
MI-38ELR



MI-3800ELR



MI-4500ESR



RRI-1060

Type	Brand	Square drive	Type ¹⁾	Bolt capacity mm	Impact-mechanism	RPM	Torque Nm	Power adjustment	Air cons. l/s ³⁾	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-36E	RRI	1"	R+H	36	Twin-Hammer	5.000	2.700	R/L 4 levels	24	11	PT 1/2"	13	8,6	102
MI-38ESR	TOKU	1"	R+H	36	Twin-Hammer	3.700	1.850	R/L 4 levels	11,7	7,75	PT 1/2"	13	8,7	93
MI-38ELR	TOKU	1"	R+H	36	Twin-Hammer	3.700	1.800	R/L 4 levels	11,7	7,95	PT 1/2"	13	8,7	93
MI-590TR ²⁾	TOKU	1"	R+H	36	Dynapact	3.800	1.850	450-700 Nm	11,7	10,9	PT 1/2"	13	9,1	93
MI-3800ESR	TOKU	1"	R+H	36	Closed hammer	4.500	2.100	R/L 4 levels	15,0	9,3	PT 1/2"	13	8	84
MI-3800ELR	TOKU	1"	R+H	36	Closed hammer	4.500	2.000	R/L 4 levels	15,0	9,9	PT 1/2"	13	8	84
MI-42ESR	TOKU	1"	R+H	42	Twin-Hammer	3.900	2.850	R/L 4 levels	23,0	9,4	PT 1/2"	13	7,6	99
MI-42ELR	TOKU	1"	R+H	42	Twin-Hammer	3.900	2.800	R/L 4 levels	23,0	10,6	PT 1/2"	13	7,6	99
MI-4500ESR	TOKU	1"	R+H	45	Closed hammer	3.700	2.900	R/L 4 levels	23,0	13,4	PT 1/2"	13	7	84
MI-4500ELR	TOKU	1"	R+H	45	Closed hammer	3.700	2.900	R/L 4 levels	23,0	14,5	PT 1/2"	13	7	84
MI-5500ES	TOKU	1½"	H	52	Dynapact	2.800	5.500	R/L 4 levels	15,0	18,1	PT 1/2"	13	14,3	109
RRI-1060	RRI	1½"	H	52	3-Jaw	3.000	4.500	-	27,0	16,0	PT 1/2"	19	5	97

¹⁾ Type: H = Hole type, R + H = Ring + Hole Type / L = Long spindle / ²⁾ Impact wrench with shut-off in forward (450-700 Nm) / ³⁾ Airconsumption of impact wrenches is measured under load

Bolt Cleaner Set MBC-30S



- Bolt Cleaner Set MBC-30S contents:**
- One handheld airtool, 1800 rpm with 1/4" Hex chuck
 - Four boltcleanercups with inner wirebrush, for M20, M24 and M30 bolts
 - Three hole brushes, for M20, M24 and M30 nuts and holes
 - One hole buff

TYPE

