

AIR TOOLS

PRODUCT RANGE
RED ROOSTER, YOKOTA, TOKU, ACTION & SMC

www.rami-yokota.com



Impact wrenches

Impulse wrenches

Ratchet wrenches

Impact sockets

Screwdrivers

Drills

Grinders & sanders

Hammers

Needlescalers

Saws

Air chain hoists

Pumps

Spring balancers

Air treatment
equipment



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BRANDS



IMPACT SOCKETS FOR PROFESSIONALS!

ACTION impact sockets are manufactured from the best materials: chrom-molybdenum alloy steel. ACTION impact sockets are made according to DIN 3121 and DIN 3129. The exact fitting causes less play between square drive and impact socket, an impact wrench and bolt. This results in longer life of the tool and impact socket (see back cover).



SMC FOR OPTIMAL QUALITY OF THE AIR

Low quality of compressed air causes costly production outage, lower productivity, requires more maintenance and accelerates the need for replacement of tools. Good quality, that meets the ISO 8573-1-2010 standard for clean and dry air, will mean a higher initial investment, but will guarantee higher productivity and a longer lifetime for your equipment.

BRANDS



HIGHEST QUALITY INDUSTRIAL TOOLS

YOKOTA industrial power and assembly tools have been developed with the highest quality and precision. YOKOTA impulse wrenches are used all over the world for tightening applications where accuracy, quality and speed are required. YOKOTA research and development is continuously working on how to improve your production process and the ergonomics of their tools. See our separate brochure for YOKOTA impulse wrenches (see back cover)



MAKING THE RIGHT IMPACT

TOKU delivers high quality air tools for construction and demolition, material handling, automotive and industry. TOKU's focus is on developing powerful, reliable and durable air power tools by listening to their customers. With their powerful impact wrenches, grinders, hammers, breakers and other air tools, you too can make the right impact with TOKU air power tools.



PRIVATE LABEL

RED ROOSTER is Rami Yokota's private label of specifically produced tools from leading industrial manufacturing partners. With RED ROOSTER we have a range of high quality tools for industrial and assembly applications recognizable by a silver RED ROOSTER logo and a sturdy range of powerful service tools with a red RED ROOSTER logo.



RELIABLE LIFTING POWER

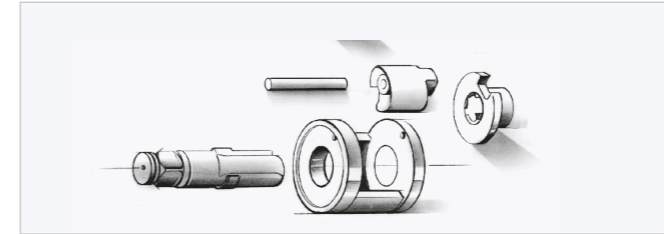
RED ROOSTER is one of the market leaders for air chain hoists. Our powerful and reliable air hoists with WLL of 125kg to 100 tonne are perfectly suited for operating in all types of industrial and offshore environments including areas with risk of explosion due to flammable gasses or dust. Our full range of air hoists can be found in our air hoist catalogue (see back cover).

Guideline values for tightening torques

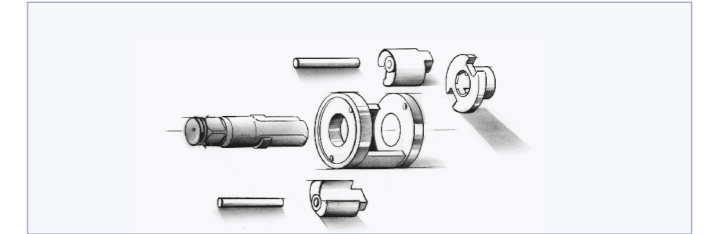
VDI 2230*		STEEL						STAINLESS		
Strength classes*		4.6	4.8	5.8	8.8	10.9	12.9	50	70	80
Bolt	Socket size	Torque Nm	Torque Nm	Torque Nm	Torque Nm	Torque Nm	Torque Nm	Torque Nm	Torque Nm	Torque Nm
M1.6	-	0,065	0,086	0,11	0,17	0,24	0,29	0,10	0,20	-
M2	-	0,13	0,17	0,22	0,35	0,49	0,58	0,25	0,30	-
M2.2	-	0,017	0,23	0,29	0,46	0,64	0,77	-	-	-
M2.5	-	0,26	0,35	0,44	0,70	0,98	1,20	0,45	0,60	-
M3	-	0,46	0,61	0,77	1,20	1,70	2,10	1,00	1,10	-
M3.5	-	0,73	0,97	1,20	1,90	2,70	3,30	-	-	-
M4	7	1,1	1,5	1,9	2,9	4,1	4,9	0,94	2,01	2,68
M5	9	2,2	3,0	3,7	6	8,5	10	1,86	4,00	5,33
M6	10	3,9	5,1	6,4	10	14	17	3,23	6,92	9,23
M8	13	9,3	12	16	25	35	41	7,9	16,9	22,5
M10	17/16	19	25	31	49	69	83	15,6	33,3	44,5
M12	19/18	32	43	54	86	120	145	26,9	57,7	76,9
M14	22/21	51	68	86	135	190	230	43,4	93,0	124,1
M16	24	79	105	130	210	295	355	66,4	142,3	189,8
M18	27	110	145	180	290	405	485	92,8	198	265
M20	30	155	205	255	410	580	690	130	278	371
M22	32	205	275	345	550	780	930	174	374	499
M24	36	200	350	440	710	1.000	1.200	224	480	640
M27	41	390	520	650	1.050	1.500	1.800	331	708	-
M30	46	530	710	880	1.450	2.000	2.400	450	964	-
M33	50	720	960	1.200	1.900	2.700	3.250	609	-	-
M36	55	920	1.250	1.550	2.450	3.450	4.150	782	-	-
M39	60	1.200	1.600	2.000	3.200	4.500	5.400	1.013	-	-
M42	65	1.500	1.950	2.450	3.950	5.550	6.650	-	-	-
M45	70	1.850	2.450	3.100	4.950	6.950	8.350	-	-	-
M48	75	2.250	3.000	3.750	5.950	8.400	10.100	-	-	-
M52	80	2.900	3.850	4.800	7.650	10.800	12.900	-	-	-
M56	85	3.600	4.800	5.950	9.550	13.400	16.100	-	-	-
M60	90	4.450	5.950	7.400	11.900	16.700	20.000	-	-	-
M64	95	5.350	7.150	8.950	14.300	20.100	24.100	-	-	-
M68	100	6.500	8.650	10.800	17.300	24.300	29.100	-	-	-

* Strength classes according to DIN 2967
These torque values are only guidelines and are calculated with friction factor 0,125.

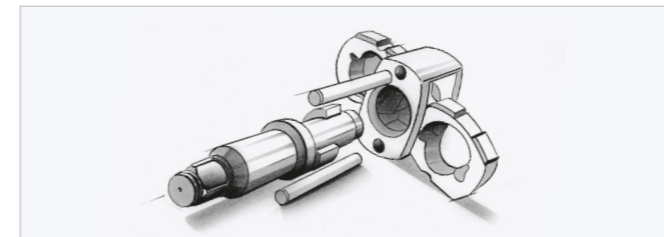
Mechanisms



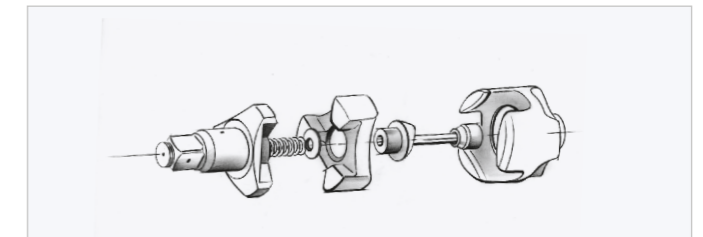
The **1-HAMMER SYSTEM** makes 1 impact per rotation at 1 side of the anvil. This causes a higher energy per blow. The impact wrenches with the 1-hammer system are especially suitable for disassembly jobs.



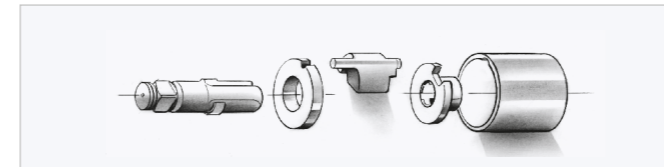
The **2-HAMMER SYSTEM** makes 2 impacts per rotation at both sides of the anvil.



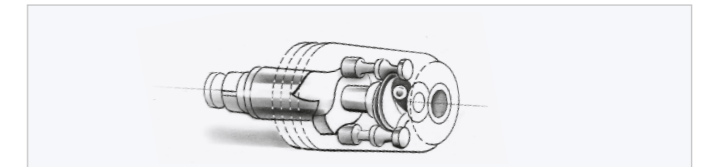
The **TWIN-HAMMER SYSTEM** makes 2 impacts per rotation at both sides of the anvil. Same principal as the 2-hammer system, manufactured differently.



The **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 **CLOSED HAMMER SYSTEM**. This construction, without loose hammerpin, will prevent breakage. The working principle is based on the 1-hammer system.



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.

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

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 period 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

Angle and 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	YOKOTA	3/8"	H	6	1-Hammer	6.500	145	-	4,2	1,6	PT 1/4"	6,5	18	81
RR-15A	RR	1/2"	R	14	Jumbo-Hammer	7.000	270	R 2 levels	5,3	1,8	PT 1/4"	9,5	5,8	89
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-16M3/8	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
RR-16N 3/8	RR	3/8"	R	12	Twin-Hammer	11.000	340	R/L 3 levels	5	1,3	PT 1/4"	6,5	4,6	83
RRI-17 3/8	RRI	3/8"	R	16	Twin-Hammer	10.000	390	R 3 levels	5,5	1,3	PT 1/4"	10	6,8	89
MI-16M1/2	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
RR-16N 1/2	RR	1/2"	R	14	Twin-Hammer	11.000	405	R/L 3 levels	5	1,2	PT 1/4"	6,5	4,6	83
RR-16N T ¹⁾	RR	1/2"	R	14	Twin-Hammer	11.000	405	90 Nm ²⁾	5	1,2	PT 1/4"	6,5	4,6	83
RR-15P	RR	1/2"	R	14	1-Hammer	6.900	430	R/L 4 levels	6,6	2,4	PT 1/4"	10	11	82
RRI-14 ²⁾	RRI	1/2" ²⁾	R	14	Twin-Hammer	9.000	440	R 2 levels	5,3	1,1	PT 1/4"	6,5	5,8	89
RRI-17 1/2	RRI	1/2"	R	16	Twin-Hammer	10.000	450	R 3 levels	5,5	1,3	PT 1/4"	10	6,8	89
RR-18N	RR	1/2"	R	16	Twin-Hammer	7.000	815	R/L 3 levels	8,2	2	PT 1/4"	10	4,8	83
RR-18N T ¹⁾	RR	1/2"	R	16	Twin-Hammer	7.000	815	90 Nm ²⁾	8,2	2	PT 1/4"	10	3,1	83
RR-160H	RR	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-17MG	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 ²⁾	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	RR	3/4"	R+H	20	1-Hammer	4.800	720	R/L stepless	9,2	4,6	PT 1/4"	10	4	87
RR-24N	RR	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-25	RRI	3/4"	R+H	24	Twin-Hammer	5.000	1.800	R 3 levels	9,8	3,7	PT 3/8"	10	7,6	87
RR-24N 1	RR	1"	R+H	24	Twin-Hammer	5.500	1.900	R 3 levels	9,1	3,7	PT 3/8"	10	4,8	90
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 ³⁾	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⁾ RR-16N T & RR-18N T: maximum tightening torque: 90 Nm, full power in untightening / ²⁾ Breakloose torque RRI-14: 610 Nm, RRI-21: 1.750 Nm / ³⁾ L = Long anvil
⁴⁾ Type: R = Ring type / H = Hole type / R + H = Ring + Hole type / ⁵⁾ All impact wrenches are right and left turning / "R 3 levels" means: 3 positions clockwise and counterclockwise full power

IMPACT WRENCHES

Straight models



Type	Brand	Square drive	Type ¹⁾	Bolt capacity mm	Impact-mechanism	RPM	Torque Nm	Power adjustment	Air cons. l/s ⁴⁾	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-37E	RRI	1"	R+H	36	Twin-Hammer	6.000	2.200	R/L 3 levels	15	8,75	PT 1/2"	13	17	99
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 ²⁾	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 ³⁾	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	9,3	PT 1/2"	13	8	84
MI-3800ELR ²⁾	TOKU	1"	R+H	36	Closed hammer	4.500	2.000	R/L 4 levels	15	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	9,4	PT 1/2"	13	7,6	99
MI-42ELR ²⁾	TOKU	1"	R+H	42	Twin-Hammer	3.900	2.800	R/L 4 levels	23	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	13,4	PT 1/2"	13	7	84
MI-4500ELR ²⁾	TOKU	1"	R+H	45	Closed hammer	3.700	2.900	R/L 4 levels	23	14,5	PT 1/2"	13	7	84
MI-5500ES	TOKU	1 1/2"	H	52	Dynapact	2.800	5.500	R/L 4 levels	15	18,1	PT 1/2"	13	14,3	109
RRI-1060	RRI	1 1/2"	H	52	3-Jaw	3.000	4.500	-	27	16,0	PT 1/2"	19	5	97

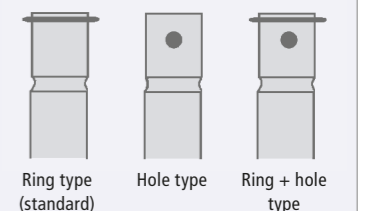
¹⁾ Type: H = Hole type, R + H = Ring + Hole Type / ²⁾ L = Long spindle / ³⁾ Impact wrench with shut-off in forward (450-700 Nm) / ⁴⁾ Airconsumption of impact wrenches is measured under load



Bolt cleaner Set MBC-30S

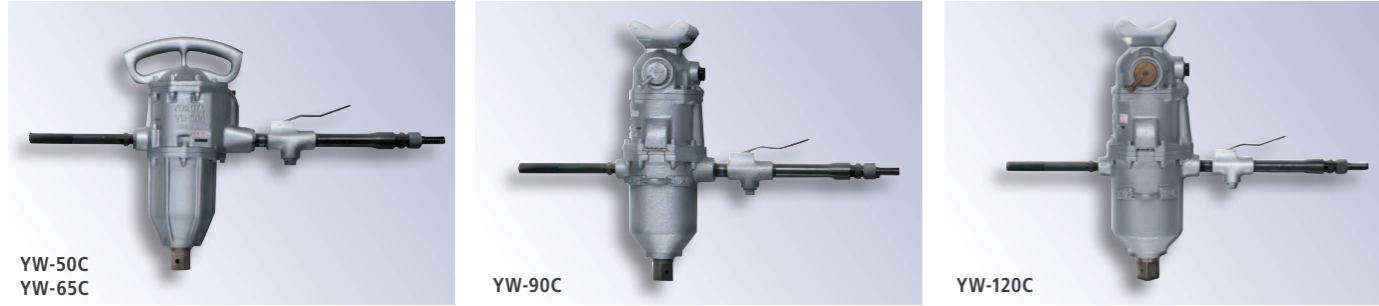
- One handheld airtool, 1800 rpm with 1/4" Hex chuck
- Four boltcleanercups with inner wirebrush, for M20, M24 and M30 bolts
- Three hole brushes, for M20, M24 and M30 nuts and holes
- One hole buff

TYPE



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	27	PT 1"	19	2,3	90
YW-65C	YOKOTA	1½"	H	64	2-Hammer	2.100	6.600	30	45	PT 1"	19	2,3	92
YW-90C ²⁾	YOKOTA	1¾"	H	90	2-Hammer	1.700	16.500	41	62	PT 1"	19	2,3	94
YW-120C	YOKOTA	2½"	H	130	2-Hammer	1.800	33.000	68	115	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.

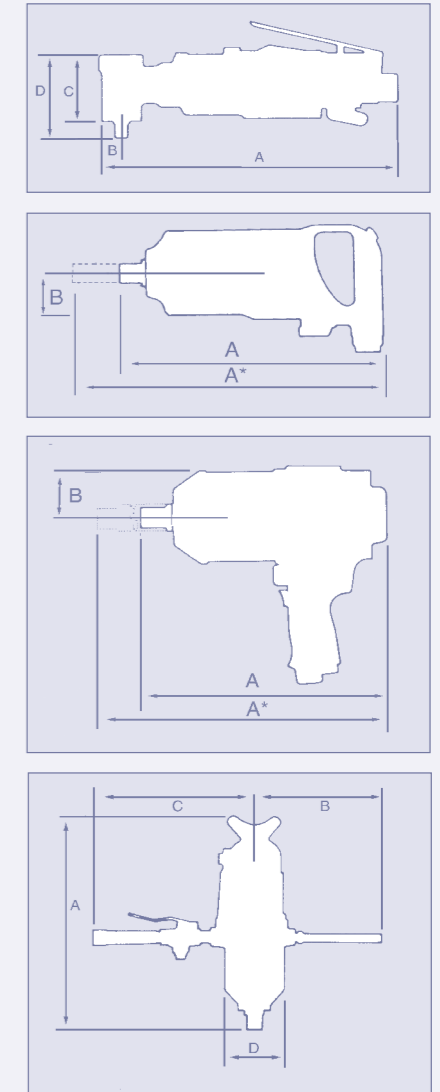
Impact wrenches sets

RR-18N/SETSTD	RR-18N/SETLNG	MI-17MG-SK	MI-17MG-SL
<ul style="list-style-type: none"> Impact wrench RR-18N 5 x 1/2" Impact sockets (A/F 17-19-21-22-24) Extension bar 100 mm 	<ul style="list-style-type: none"> Impact wrench RR-18N 5 x 1/2" Impact sockets (A/F 17-19-21-22-24 deep) Extension bar 100 mm 	<ul style="list-style-type: none"> Impact wrench MI-17MG 5 x 1/2" Impact sockets (A/F 17-19-21-22-24) Extension bar 100 mm 	<ul style="list-style-type: none"> Impact wrench MI-17MG 5 x 1/2" Impact sockets (A/F 17-19-21-22-24 deep) Extension bar 100 mm

IMPACT WRENCHES

DIMENSIONS

Type	A mm	A* mm	B mm	C mm	D mm
MI-12	150	-	24	-	-
MI-16	170	-	27	-	-
MI-17MG	178	-	31	-	-
MI-20P	215	-	38	-	-
MI-38ESR	337	-	50	-	-
MI-38ELR	-	515	50	-	-
MI-42ESR	370	-	60	-	-
MI-42ELR	-	517	60	-	-
MI-590TR	570	-	50	-	-
MI-3800PR	281	-	55	-	-
MI-3800PLR	-	430	55	-	-
MI-3800ESR	355	-	55	-	-
MI-3800ELR	-	504	55	-	-
MI-4500ESR	460	-	60	-	-
MI-4500ELR	-	584	60	-	-
MI-5500ES	553	-	63	-	-
RR-15A	340	-	32	67	-
RR-15P	180	-	30	-	-
RR-20PN	239	-	38	-	-
RR-160H	185	-	30	-	-
RR-16N	150	-	30	-	-
RR-18N	185	-	30	-	-
RR-18NT	185	-	30	-	-
RR-24N	210	-	50	-	-
RRI-14	120	-	32	-	-
RRI-17	172	-	29	-	-
RRI-21	190	-	35	-	-
RRI-25	234	-	43	-	-
RRI-37E	-	515	52	-	-
RRI-1060	400	-	78	-	-
V-160P	182	-	34	-	-
YW-6CL	215	-	14	50	63
YW-50C	535	-	355	448	160
YW-65C	606	-	344	434	162
YW-90C	674	-	358	448	186
YW-120C	827	-	527	461	226



SPARE PARTS

Spring ring for impact sockets

Type	Part number Spring Ring	Part number O-Ring
TOKU 3/8"	13-08-05-092	9010-1004-00-00
TOKU 1/2"	13-08-05-006	13-11-17-108
TOKU 3/4"	13-08-03-113	9010-1012-00-00
TOKU 1"	13-08-03-144	13-11-05-013
V-160P	0208-0416-00-00	13-11-05-006
RR-15P	40303	13-11-05-006
RR-20PN	280-016	9010-1012-00-00
RR-16N/18N(T)	40303	13-11-05-006
RRI-21	250-033	00-4103
RR-24N	45-405112	OR01000305
RR-160H	250-033	00-4103
RRI-17 3/8"	242-026	00-4144
RRI-17 1/2"	250-033	00-4103
RRI-25	280-028	00-4175

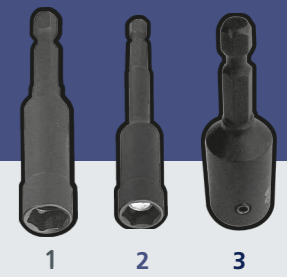
ACCESSORIES

Rubber protection cover

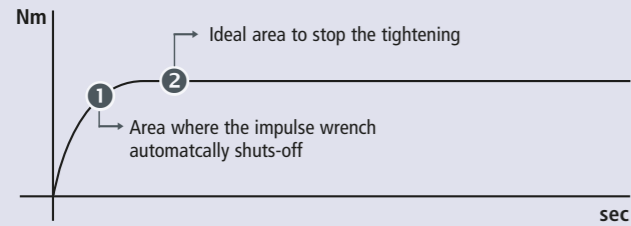
Part number	For type
AH0001020	MI-17MG / MI-17HEG
AH0001030	MI-20P

Hose set noise suppressor

Part number	For type
EH-43-4033SUB	RR-16N/18N/18NT
EH-454051P	RR-24N



WHAT TO CHOOSE?



Impulse wrenches without shut-off ②

Impulse wrenches achieve the highest quality joint if the tightening is finished in this area (horizontal part of the torque curve)

- Highest clampforce with smallest tolerances
- Smallest torque tolerances

Impulse Wrenches with mechanical shut-off ①

- Shorter operating time
- Operator knows when the tightening is finished
- Highest clampforce with smallest tolerances
- Smallest torque tolerances

Impulse Wrenches with Poka Yoke+ system ②

Impulse wrench with controlled shut-off

- Highest clamp force with smallest tolerances
- Smallest torque tolerances
- Shortest optimum operating time
- Operator knows when the tightening is finished
- Operator is informed about OK-NOK of the tightening
- OK joints are counted, no missed tightnings

System Wrenches with integrated torque transducer ②

- Highest clamp force with smallest tolerances
- Smallest torque tolerances
- Shortest optimum operating time
- Operator knows when the tightening is finished
- Operator is informed about OK-NOK of the tightening
- OK joints are counted, no missed tightnings
- Actual tightening torque is measured
- Full documentation
- Zero fault production

IMPULSE WRENCHES

SHUT-OFF & NON SHUT-OFF



- **YLT SERIES: SHUT OFF** (torque 4,5-210 Nm)
- **YLa SERIES: NON SHUT OFF** (torque 9-160 Nm)
- **YLa JQ SERIES** (torque 6-270 Nm)
- **YX SERIES: NON SHUT OFF** (torque 18-490 Nm)

INTELLIGENT ASSEMBLY SOLUTIONS

AIR, ELECTRIC & BATTERY POWERED



SYSTEM WRENCHES
TKa SERIES

SYSTEM WRENCHES
TKa/YED SERIES

- **SYSTEM WRENCHES TKa series**
11-220 Nm torque controlled & angle monitored
- **SYSTEM WRENCHES TKa/YED series**
4-600 Nm torque controlled



ELECTRIC SYSTEM WRENCHES
E-M SERIES

BATTERY SYSTEM WRENCHES
YS-e SERIES

- **ELECTRIC SYSTEM WRENCHES**
3-90 Nm torque controlled & angle monitored
- **BATTERY SYSTEM E-WRENCHES**
7-60 Nm torque controlled & angle monitored

YOKOTA IMPULSE WRENCHES
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Impulse wrenches
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Poka Yoke+
Blow shut-off tools
Cordless impulse wrenches
Special drive sockets
Accessories

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IMPACT SOCKETS FOR SCREWDRIVERS

1/4" Drive

6-Point

Type	A/F mm	Drawing	D1 mm	L mm	L1 mm
Metric					
DO697B0S04	4	A	8	55	4,5
DO697B0S06	6	A	10	55	4,5
DO697B0T06	6	A	10	75	4,5
DO697B0T07	7	A	11	75	4,5
DO697B0T08	8	A	12	75	4,5
DO697B0T10	10	A	14	75	5,5
DO697B0T12	12	A	17	75	5,5
DO697B0T13	13	A	18	75	5,5
DO697B0T14	14	A	19	75	5,5
DO697B0W12	12	A	17	200	5,5
DO697B0W14	14	A	19	200	5,5

6-Point magnetic

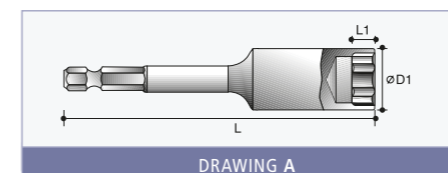
Type	A/F mm	Drawing	D1 mm	L mm	L1 mm
Metric					
DO697B0M06	6	B	10	55	4,5
DO697B0M07	7	B	11	55	4,5
DO697B0M08	8	B	12	55	4,5
DO697B0M10	10	B	14	55	5,5
DO697B0M11	11	B	16	55	5,5
DO697B0M12	12	B	17	55	5,5
DO697B0M13	13	B	18	55	5,5
DO697B0M14	14	B	19	55	5,5
DO697B0N10	10	B	14	75	5,5
DO697B0N12	12	B	17	75	5,5
DO697B0P06	6	B	10	100	4,5
DO697B0P07	7	B	11	100	4,5
DO697B0P08	8	B	12	100	4,5
DO697B0P10	10	B	14	100	5,5
DO697B0P12	12	B	17	100	5,5
DO697B0P13	13	B	18	100	5,5
DO697B0P14	14	B	19	100	5,5
DO697B0P17	17	B	23	100	5,5
DO697B0Q10	10	B	14	150	5,5
DO697B0R10	10	B	14	200	5,5

6-Point deep magnetic

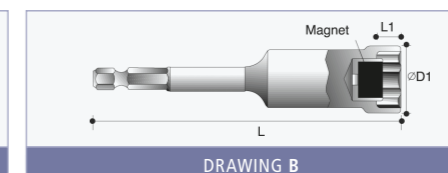
Type	A mm	Drawing	D1 mm	L mm	L1 mm
Metric					
DO697B6006	6	C	10	75	4,5
DO697B7006	6	C	10	100	4,5
DO697B7008	8	C	12	100	4,5
DO697B7010	10	C	14	100	5,5
DO697B7012	12	C	17	100	5,5
DO697B7013	13	C	18	100	5,5
DO697B7014	14	C	19	100	5,5
DO697B8006	6	C	10	150	4,5
DO697B8008	8	C	12	150	4,5
DO697B8010	10	C	14	150	5,5
DO697B8012	12	C	17	150	5,5
DO697B8013	13	C	18	150	5,5
DO697B8014	14	C	19	150	5,5
DO697B9006	6	C	10	200	4,5
DO697B9008	8	C	12	200	4,5
DO697B9010	10	C	14	200	5,5
DO697B9012	12	C	17	200	5,5
DO697B9013	13	C	18	200	5,5
DO697B9014	14	C	19	200	5,5

Tap holding sockets

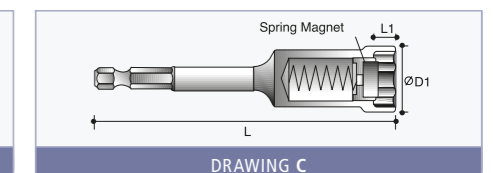
Type	A mm	Drawing	Ø d mm	Ø D mm	L mm
Metric					
DO63A65001	3,4	D	4,5	14	55
DO63A65002	4,9	D	6,0	15	55
DO63A65003	5,5	D	7,0	16	55
DO63A65004	6,2	D	8,0	17	60
DO63A65005	7,0	D	9,0	18	70
DO63A65006	8,0	D	10,0	19	70
DO63A65007	9,0	D	11,0	20	70
DO63A65008	9,0	D	12,0	21	70
DO63A65009	11,0	D	14,0	23	75



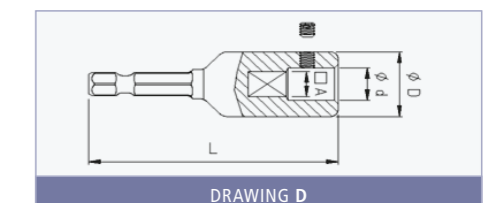
DRAWING A



DRAWING B



DRAWING C



DRAWING D

ACTION

IMPACT SOCKETS



1/4" Drive

6-Point normal							1			Deep			2																																																																																																																														
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm																																																																																																																												
Metric																																																																																																																																											
DO0014-0-004	4	A	7,6	13	23	4	DO0014-1-004	50	4	DO0014-0-0045	4,5	A	8,2	13	23	5	DO0014-1-045	50	6	DO0014-0-005	5	A	8,8	13	23	5	DO0014-1-005	50	6	DO0014-0-0055	5,5	A	9,5	13	23	5	DO0014-1-0055	50	7	DO0014-0-006	6	A	10	13	23	6	DO0014-1-006	50	7	DO0014-0-007	7	A	11,3	13	23	6	DO0014-1-007	50	7	DO0014-0-008	8	A	12,5	13	23	7	DO0014-1-008	50	9	DO0014-0-009	9	A	13,8	13	23	7	DO0014-1-009	50	9	DO0014-0-010	10	C	15	13	23	7	DO0014-1-010	50	9	DO0014-0-011	11	C	16,3	13	23	8	DO0014-1-011	50	9	DO0014-0-012	12	C	17	13	23	8	DO0014-1-012	50	9	DO0014-0-013	13	C	18,8	13	23	8	DO0014-1-013	50	9	DO0014-0-014	14	C	20	13	23	8	DO0014-1-014	50	9	DO0014-0-015	15	C	21	13	23	8	DO0014-1-015	50	9

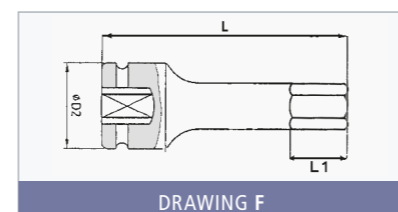
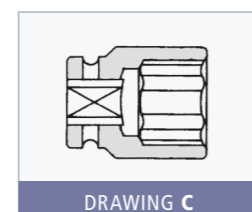
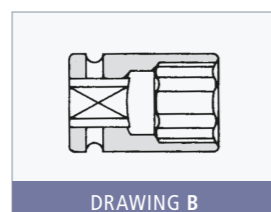
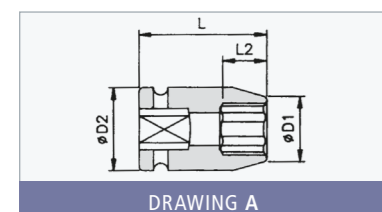
Torx® intern							5
Type	A/F mm	Drawing	D2 mm	L mm	L1 mm	-	
Metric							
DO64701005	T5	F	13	35	2,0	-	
DO64701006	T6	F	13	35	2,0	-	
DO64701007	T7	F	13	35	2,0	-	
DO64701008	T8	F	13	35	2,0	-	
DO64701009	T9	F	13	35	2,0	-	
DO64701010	T10	F	13	35	2,8	-	
DO64701015	T15	F	13	35	2,8	-	
DO64701020	T20	F	13	35	2,8	-	
DO64701025	T25	F	13	35	3,0	-	
DO64701027	T27	F	13	35	3,0	-	
DO64701030	T30	F	13	35	3,8	-	

Torx® is a trademark of Textron.

Hex driver (inbus)							6
Type	A/F mm	Drawing	D2 mm	L mm	L1 mm	-	
Metric							
DO64805025	2,5	F	13	35	4	-	
DO64805030	3	F	13	35	6	-	
DO64805040	4	F	13	35	6	-	
DO64805050	5	F	13	35	6	-	
DO64805060	6	F	13	35	8	-	
DO64805070	7	F	13	35	8	-	
DO64805080	8	F	13	35	8	-	
DO64805090	9	F	13	35	10	-	
DO64805100	10	F	13	35	10	-	

6-Point normal							3			Deep			4																																																																																																										
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm																																																																																																								
Metric																																																																																																																							
DO6050P050	5	A	8,8	13	23	3	DO6050R050	50	3	DO6050P055	5,5	A	9,5	13	23	3	DO6050R055	50	3	DO6050P060	6	A	10	13	23	3	DO6050R060	50	3	DO6050P070	7	A	11,3	13	23	3	DO6050R070	50	3	DO6050P080	8	A	12,5	13	23	3	DO6050R080	50	3	DO6050P090	9	C	13,8	13	23	4	DO6050R090	50	4	DO6050P100	10	C	15	13	23	4	DO6050R100	50	4	DO6050P110	11	C	16,3	13	23	5	DO6050R110	50	5	DO6050P120	12	C	17	13	23	5	DO6050R120	50	5	DO6050P130	13	C	18,8	13	23	5	DO6050R130	50	5	DO6050P140	14	C	20	13	23	6	DO6050R140	50	6	DO6050P150	15	C	21	13	23	6	DO6050R150	50	6

Other versions of impact sockets are available (magnetic, thinwalled, other sizes). Ask for our special ACTION socket brochure as mentioned on the back.



3/8" Drive

6-Point normal							1			Deep			2																																																																																																										
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm																																																																																																								
Metric																																																																																																																							
DO1038-0-006	6	A	11	19	30	4	DO1038-1-006	63	12	DO1038-0-007	7	A	12,5	19	30	8	DO1038-1-007	63	12	DO1038-0-008	8	A	14	19	30	8	DO1038-1-008	65	12	DO1038-0-010	10	A	16	19	30	8	DO1038-1-010	65	12	DO1038-0-012	12	B	19	19	30	9	DO1038-1-012	65	12	DO1038-0-013	13	A	20	22	30	9	DO1038-1-013	65	25	DO1038-0-014	14	A	21	22	30	9	DO1038-1-014	65	25	DO1038-0-015	15	B	22	22	30	11	DO1038-1-015	65	25	DO1038-0-016	16	C	24	22	30	11	DO1038-1-016	65	25	DO1038-0-017	17	C	25	22	30	11	DO1038-1-017	65	25	DO1038-0-019	19	C	27,5	22	30	11	DO1038-1-019	65	25	DO1038-0-024	24	C	34	23	30	13	DO1038-1-024	65	25

6-Point normal							3			Deep			4																																																																																																																														
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm																																																																																																																												
Metric																																																																																																																																											
DO6051P006	6	A	11,5	19	30	3	DO6051R006	55	3	DO6051P007	7	A	12,5	19	30	3	DO6051R007	55	3	DO6051P008	8	A	14	19	30	3	DO6051R008	55	3	DO6051P009	9	A	15	19	30	4	DO6051R009	55	4	DO6051P010	10	A	16,5	19	30	4	DO6051R010	55	4	DO6051P011	11	A	17,5	19	30	5	DO6051R011	55	5	DO6051P012	12	B	19	19	30	5	DO6051R012	55	5	DO6051P013	13	A	20	22	30	5	DO6051R013	55	5	DO6051P014	14	A	21,5	22	30	6	DO6051R014	55	6	DO6051P015	15	B	22	22	30	6	DO6051R015	55	6	DO6051P016	16	C	24	22	30	6	DO6051R016	55	6	DO6051P017	17	C	25	22	30	6	DO6051R017	55	6	DO6051P018	18	C	26	22	30	7	DO6051R018	55	7	DO6051P019	19	C	27,5	22	30	7	DO6051R019	55	7

Hex driver (inbus)							5
Type	A/F mm	Drawing	D2 mm	L1 mm	L mm	-	
Metric							
DO696204A	4	F	19	16	50	-	
DO696205A	5	F	19	16	50	-	
DO696206A	6	F	19	16	50	-	
DO696208A	8	F	19	16	50	-	
DO696210A	10	F	19	16	50	-	
DO696212A	12	F	19	16	50	-	
DO696214A	14	F	19	16	50	-	

Torx® external							6
Type	A/F	Drawing	D1 mm	D2 mm	L mm	L2 mm	
Metric							
DO63310005	E5	A	9	19	32	4,5	
DO63310006	E6	A	10	19	32	5	
DO63310008	E8	A	10,5	19	32	6	
DO63310010	E10	A	12,5	19	32	7,5	
DO63310012	E12	A	15	19	32	8,5	

Torx® is a trademark of Textron.

Torx® intern							7
Type	A/F	Drawing	D1 mm	L mm	L1 mm	-	
Metric							
DO64711015	T15	F	19	50	2,8	-	
DO64711020	T20	F	19	50	3,0	-	
DO64711025	T25	F	19	50	3,0	-	
DO64711030	T30	F	19	50	3,8	-	
DO64711040	T40	F	19	50	4,3	-	
DO64711045	T45	F	19	50	5,0	-	
DO64711050	T50	F	19	50	5,5	-	

Torx® is a trademark of Textron.

12-Point normal							8			Deep			9																																																																																																																																																																																																				
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm	Type	L mm	L2 mm																																																																																																																																																																																																		
Metric																																																																																																																																																																																																																	
DO65815006	6	A	11	19	30	5	DO65817006	63	5	DO65815007	7	A	12	19	30	8	DO65817007	63	12	DO65815008	8	A	13	19	30	8	DO65817008	63	12	DO65815009	9	A	15	19	30	8	DO65817009	65	12	DO65815010	10	A	16	19	30	8	DO65817010	65	22	DO65815011	11	A	17,5	19	30	9	DO65817011	65	22	DO65815012	12	A	18,5	19	30	9	DO65817012	65	22	DO65815013	13	A	20	22	30	10	DO65817013	65	22	DO65815014	14	A	21	22	30	11	DO65817014	65	22	DO65815015	15	B	22	22	30	12	DO65817015	65	22	DO65815016	16	C	24	22	30	12	DO65817016	65	24	DO65815017	17	C	25	22	30	12	DO65817017	65	24	DO65815018	18	C	26	22	30	13	DO65817018	65	24	DO65815019	19	C	27	22	30	13	DO65817019	65	24	DO65815020	20	C	28	22	30	13	DO65817020	65	24	DO65815021	21	C	30	22	30	14	DO65817021	65	24	DO65815022	22	C	31	23	30	15	DO65817022	65	24	DO65815023	23	C	32	23	30	15	DO65817023	65	24	DO65815024	24	C	34	23	30	16	DO65817024	65	24	DO65815025	25	C	35	23	30	16	DO65817025	65	24	DO65815026	26	C	36	23	30	16	DO65817026	65	24

ACTION

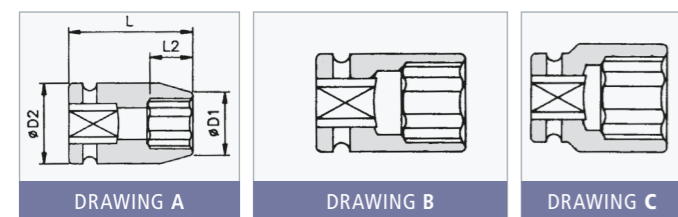
IMPACT SOCKETS



1/4" Drive

6-Point normal 1							Deep 2		
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm	Type	L mm	L2 mm
Metric									
DO2012-0-008	8	A	14,5	24	38	9	DO2012-1-008	78	13
DO2012-0-009	9	A	16	24	38	12	DO2012-1-010	78	14
DO2012-0-010	10	A	17	24	38	12	DO2012-1-011	78	14
DO2012-0-012	12	A	20	24	38	12	DO2012-1-012	78	14
DO2012-0-013	13	A	21	24	38	12	DO2012-1-013	78	14
DO2012-0-014	14	A	22	24	38	12	DO2012-1-014	78	17
DO2012-0-015	15	A	24	24	38	12	DO2012-1-015	78	17
DO2012-0-016	16	A	25	26	38	12	DO2012-1-016	78	17
DO2012-0-017	17	A	26	26	38	13	DO2012-1-017	78	17
DO2012-0-018	18	A	27,5	28	38	13	DO2012-1-018	78	17
DO2012-0-019	19	A	29	30	38	13	DO2012-1-019	78	19
DO2012-0-021	21	B	32	32	38	13	DO2012-1-021	78	24
DO2012-0-022	22	C	32	32	38	13	DO2012-1-022	78	24
DO2012-0-024	24	C	35	36	45	20	DO2012-1-023	78	24
DO2012-0-025	25	C	36	36	45	20	DO2012-1-024	78	24
DO2012-0-027	27	C	39	38	50	22	DO2012-1-027	78	24
DO2012-0-028	28	C	40	38	50	22	DO2012-1-028	78	24
DO2012-0-030	30	C	42,5	38	50	22	DO2012-1-030	78	24
DO2012-0-032	32	C	44	38	50	24	DO2012-1-032	78	24
DO2012-0-036	36	C	48	38	50	24	DO2012-1-036	90	24
DO2012-0-038	38	C	53	38	50	24	DO2012-1-038	90	24
DO2012-0-041	41	C	58	38	60	28	DO2012-1-041	93	58
DO2012-0-046	46	C	65	38	60	28	DO2012-1-046	93	58

Hex driver (inbus) 3						
Type	A/F mm	DRAWING	D2 mm	L mm	L1 mm	-
Metric						
DO696304A	4	D	25	75	11	-
DO696305A	5	D	25	75	15	-
DO696306A	6	D	25	75	15	-
DO696307A	7	D	25	75	15	-
DO696308A	8	D	25	75	16	-
DO696310A	10	D	25	75	16	-
DO696312A	12	D	25	75	16	-
DO696314A	14	D	25	75	16	-
DO696317A	17	D	25	75	16	-
DO696319A	19	D	25	75	16	-



Torx® internal 4						
Type	A/F	Drawing	D2 mm	L mm	L1 mm	-
DO64721025	T25	D	25	55	3,0	-
DO64721030	T30	D	25	55	3,8	-
DO64721040	T40	D	25	55	3,8	-
DO64721045	T45	D	25	55	4,3	-
DO64721050	T50	D	25	55	5,0	-
DO64721055	T55	D	25	55	5,5	-
DO64721060	T60	D	25	55	8,0	-

Torx® is a trademark of Textron.

Torx® external 5						
Type	A/F	Drawing	D1 mm	D2 mm	L mm	L2 mm
Metric						
DO63320010	E10	A	15	25	38	7,5
DO63320011	E11	A	15,5	25	38	8
DO63320012	E12	A	16	25	38	8,5
DO63320014	E14	A	18,5	25	38	10
DO63320016	E16	A	20	25	38	11
DO63320018	E18	A	22	25	38	12
DO63320020	E20	A	25	30	38	13,5
DO63320022	E22	A	26,5	30	45	18
DO63320024	E24	A	28,5	30	45	18

Torx® is a trademark of Textron.

6-Point normal 6							Deep 7		
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm	Type	L mm	L2 mm
Metric									
DO6052P008	8	A	15	25	38	3	DO6052R008	78	3
DO6052P009	9	A	16	25	38	4	DO6052R009	78	4
DO6052P010	10	A	17,5	25	38	4	DO6052R010	78	4
DO6052P011	11	A	18,5	25	38	5	DO6052R011	78	5
DO6052P012	12	A	20	25	38	5	DO6052R012	78	5
DO6052P013	13	A	21	25	38	5	DO6052R013	78	5
DO6052P014	14	A	22,5	25	38	6	DO6052R014	78	6
DO6052P015	15	A	23,7	30	38	6	DO6052R015	78	6
DO6052P016	16	A	25	30	38	6	DO6052R016	78	6
DO6052P017	17	A	26,5	30	38	6	DO6052R017	78	6
DO6052P018	18	A	27,5	30	38	7	DO6052R018	78	7
DO6052P019	19	A	29	30	38	7	DO6052R019	78	7
DO6052P020	20	B	30	30	38	7	DO6052R020	78	7
DO6052P021	21	C	31	30	38	8	DO6052R021	78	8
DO6052P022	22	C	32,5	30	38	8	DO6052R022	78	8
DO6052P024	24	C	35	30	45	10	DO6052R024	78	10

ACTION

IMPACT SOCKETS



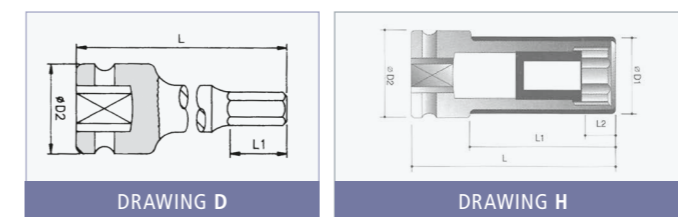
1/4" Drive

12-Point normal 1							Deep 2		
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm	Type	L mm	L2 mm
Metric									
DO63825008	8	A	14	25	38	6	DO65827008	83	6
DO63825009	9	A	16	25	38	6	DO65827009	83	6
DO63825010	10	A	17,5	25	38	7	DO65827010	83	7
DO63825011	11	A	19	25	38	8	DO65827011	83	8
DO63825012	12	A	20	25	38	9	DO65827012	83	9
DO63825013	13	A	21	25	38	9	DO65827013	83	9
DO63825014	14	A	22,5	25	38	11	DO65827014	83	11
DO63825015	15	A	23,5	30	38	11	DO65827015	83	11
DO63825016	16	A	25	30	38	11	DO65827016	83	11
DO63825017	17	A	26,5	30	40	11	DO65827017	83	11
DO63825018	18	A	27,5	30	40	13	DO65827018	83	13
DO63825019	19	A	29	30	40	13	DO65827019	83	13
DO63825020	20	B	30	30	40	13	DO65827020	83	13
DO63825021	21	C	31	30	40	15	DO65827021	83	15
DO63825022	22	C	32,5	30	40	15	DO65827022	90	15
DO63825023	23	C	34	30	40	15	DO65827023	90	15
DO63825024	24	C	35	30	45	18	DO65827024	90	18
DO63825025	25	C	36	30	45	18	DO65827025	90	18
DO63825026	26	C	38	30	50	18	DO65827026	90	18
DO63825027	27	C	39	30	50	19	DO65827027	90	19
DO63825028	28	C	40	30	50	19	DO65827028	90	19
DO63825029	29	C	41	30	50	19	DO65827029	90	19
DO63825030	30	C	42,5	30	50	21	DO65827030	90	21
DO63825032	32	C	44	30	50	22	DO65827032	90	22
DO63825033	33	C	46,5	30	50	22	DO65827033	90	22
DO63825036	36	C	50,5	30	50	24	DO65827036	90	24

6-Point thin wall deep, with plastic stop and sleeve

Type	A/F mm	Drawing	D1 mm	D2 mm	D3 mm	L mm	L2 mm
Metric							
DO61126015 (white)	15	H	22	30	25	85	13
DO61126017 (blue)	17	H	24	30	27	85	14
DO61126019 (yellow)	19	H	26	30	29	85	15
DO61126021 (red)	21	H	28	30	31	85	17
DO61126022 (green)	22	H	29,5	30	32,5	85	18

Thin wall sockets are not covered by the ACTION warranty.



3/4" Drive

6-Point normal 3							Deep 4		
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm	Type	L mm	L2 mm
Metric									
DO3034-0-013	13	A	25	44	50	9	DO3034-1-013	95	13
DO3034-0-017	17	A	31	44	50	12	DO3034-1-017	95	17
DO3034-0-018	18	A	32	44	50	13	DO3034-1-018	95	18
DO3034-0-019	19	A	33	44	50	13	DO3034-1-019	95	19
DO3034-0-021	21	A	36	44	50	15	DO3034-1-021	95	21
DO3034-0-022	22	A	37	44	50	15	DO3034-1-022	95	22
DO3034-0-024	24	A	40	44	50	16	DO3034-1-024	95	24
DO3034-0-027	27	A	43	44	54	16	DO3034-1-027	95	27
DO3034-0-030	30	C	47	44	54	21	DO3034-1-030	95	30
DO3034-0-032	32	C	49	44	56	21	DO3034-1-032	95	32
DO3034-0-033	33	C	51	44	56	22	DO3034-1-033	95	33
DO3034-0-036	36	C	54	44	56	22	DO3034-1-036	95	36
DO3034-0-038	38	C	57	44	58	24	DO3034-1-038	95	38
DO3034-0-041	41	C	61	44	58	24	DO3034-1-041	95	38
DO3034-0-046	46	C	67	44	63	27	DO3034-1-046	95	38
DO3034-0-050	50	C	71	54	72	32	DO3034-1-050	95	38
DO3034-0-055	55	C	77	54	74	35	DO3034-1-055	95	40
DO3034-0-060	60	C	84	54	75	35	DO3034-1-060	95	42

Hex driver (inbus) 5

Type	A/F mm	Drawing	D2 mm	L mm	L1 mm	-
Metric						
DO696510A	10	D	44	100	20	-
DO696512A	12	D	44	100	20	-
DO696514A	14	D	44	100	20	-
DO696517A	17	D	44	100	20	-
DO696519A	19	D	44	100	20	-
DO696522A	22	D	44	100	20	-
DO696524A	24	D	44	100	20	-
DO696527A	27	D	44	100	20	-

Torx® internal 6

Type	A/F mm	Drawing	D2 mm	L mm	L1 mm	-
DO64742050	T50	F	44	100	5,0	-
DO64742055	T55	F	44	100	5,5	-
DO64742060	T60	F	44	100	8,0	-
DO64742070	T70	F	44	100	9,4	-
DO64742080	T80	F	44	100	10,5	-
DO64742090						

ACTION

IMPACT SOCKETS



2 1/2" Drive

6-Point normal

Type	A/F mm	Drawing	D1 mm	D2 mm	L mm	L2 mm
Metric						
DO6212-0-075	75	A	118	127	140	42
DO6212-0-077	77	A	122	127	140	45
DO6212-0-080	80	A	124	127	140	45
DO6212-0-085	85	C	130	127	140	52
DO6212-0-090	90	C	136	127	145	52
DO6212-0-095	95	C	146	127	145	52
DO6212-0-100	100	C	149	127	150	58
DO6212-0-105	105	C	155	127	155	58
DO6212-0-110	110	C	161	127	160	60
DO6212-0-115	115	C	167	127	165	62
DO6212-0-120	120	C	174	127	170	67
DO6212-0-125	125	C	181	127	175	72
DO6212-0-130	130	C	188	127	175	72
DO6212-0-135	135	C	195	127	180	77
DO6212-0-140	140	C	202	127	180	77
DO6212-0-145	145	C	208	127	185	83
DO6212-0-150	150	C	215	127	185	83
DO6212-0-155	155	C	221	127	190	90
DO6212-0-160	160	C	227	127	190	90
DO6212-0-165	165	C	234	127	195	95
DO6212-0-170	170	C	241	127	195	95
DO6212-0-175	175	C	248	127	200	100
DO6212-0-180	180	C	254	127	200	100
DO6212-0-185	185	C	258	152	210	105
DO6212-0-190	190	C	265	152	210	105
DO6212-0-200	200	C	275	152	220	110

EXTENSION BARS & UNIVERSAL JOINTS

Universal joints with pin hole

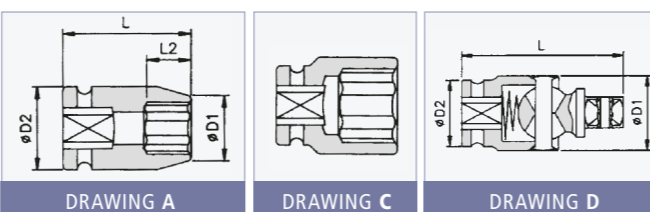
Type	Square-drive	Drawing	D2 mm	L mm	-
DO9038-0-000	3/8"	A	21	50	-
DO9012-0-000	1/2"	A	29	60	-
DO9034-0-000	3/4"	A	44	105	-
DO9100-0-000	1"	A	54	133	-

Extension bars with pin-hole

Type	Square-drive	Drawing	D2 mm	L mm	-
DO7014-0-050	1/4"	D	13	50	-
DO7014-0-100	1/4"	D	13	100	-
DO7038-0-075	3/8"	D	19	75	-
DO7038-0-125	3/8"	D	19	125	-
DO7038-0-150	3/8"	D	19	150	-
DO7012-0-075	1/2"	D	25	75	-
DO7012-0-125	1/2"	D	25	125	-
DO7012-0-250	1/2"	D	25	250	-
DO7012-0-460	1/2"	D	25	460	-
DO7034-0-100	3/4"	D	44	100	-
DO7034-0-175	3/4"	D	44	175	-
DO7034-0-250	3/4"	D	44	250	-
DO7100-0-175	1"	D	54	175	-
DO7100-0-200	1"	D	54	200	-
DO7100-0-250	1"	D	54	250	-
DO7100-0-400	1"	D	54	400	-
DO7112-0-250	1 1/2"	D	86	250	-
DO7212-0-500	2 1/2"	D	127	500	-

PINS AND RINGS

Type	Square-drive	D2 mm
DO1014-0-000	1/4"	-
DO1038-0-000	3/8"	-
DO1012-0-000	1/2"	-
DO1034-0-000	3/4"	-
DO1100-0-000	1"	54
DO1100-0-086	1"	86
DO1100-0-095	1"	95
DO1112-0-000	1 1/2"	86
DO1112-0-095	1 1/2"	95
DO1112-0-127	1 1/2"	127
DO2112-0-000	2 1/2"	-



ACTION

IMPACT SOCKETS



ADAPTORS

Adaptors with pin hole

Type	Square-drive	Outside	Drawing	D2 mm	L mm
DO8038-0-012	3/8"	1/2"	E	22	36
DO8012-0-034	1/2"	3/4"	E	30	48
DO8012-0-038	1/2"	3/8"	E	26	38
DO8034-0-012	3/4"	1/2"	E	40	58
DO8034-0-100	3/4"	1"	E	40	63
DO8100-0-034	1"	3/4"	E	52	80
DO8000-0-112	1"	1 1/2"	E	52	91
DO8112-0-100	3/4"	1"	E	84	95

Impact adaptors

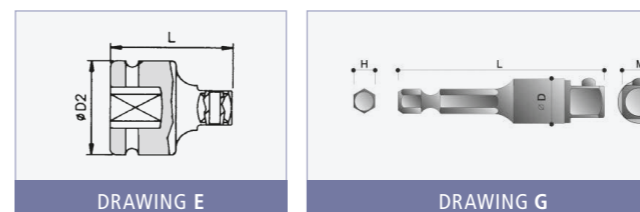
Type	Square-drive	Hex drive	Drawing	L mm	D mm
DO69306050	1/4"	1/4"	G	50	9
DO69306075	1/4"	1/4"	G	75	9
DO69306100	1/4"	1/4"	G	100	9
DO69306150	1/4"	1/4"	G	150	9
DO69316050	1/4"	3/8"	G	50	13
DO69316075	1/4"	3/8"	G	75	13
DO69316100	1/4"	3/8"	G	100	13
DO69318075	7/16"	3/8"	G	75	13
DO69328075	7/16"	1/2"	G	75	17

QUICK-CHANGE ADAPTORS



Quick-Change adaptors

Type	Drive-in	Drive-out	L mm
DO69110C08	1/4"	1/4"	35
DO69111C12	3/8"	3/8"	46
DO69112C12	1/2"	3/8"	54
DO69112C16	1/2"	1/2"	60
DO69114C24	3/4"	3/4"	78
DO69115C24	1"	3/4"	90
DO69115C32	1"	1"	100



STUD BOLT SETTERS

Stud bolt setters

Type 3/8"	Size	D2 mm	D1 mm	L mm
DO69781053	M6 x 1,0	22	12,5	50
DO69781060	M8 x 1,25	22	14,5	50
DO69781063	M10 x 1,5	22	17	50
DO69781066	M12 x 1,75	22	19	50

Tapeindzetter

Type 1/2"	Size	D1 mm	D2 mm	L mm
DO69782010	M6 x P1,0	25	13	55
DO69782018	M8 x P1,25	25	15	55
DO69782022	M10 x P1,5	25	17	55
DO69782027	M12 x P1,75	25	19	55
DO69782031	M14 x P2,0	25	22	55
DO69782035	M16 x P2,0	30	27	75

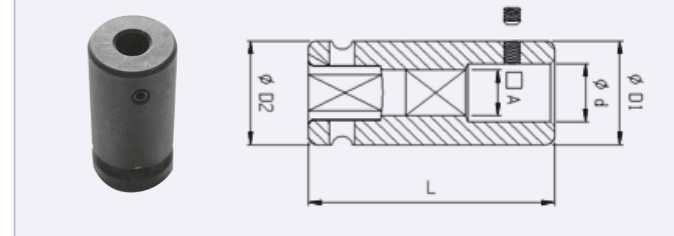


Also available with other pitch.

TAP HOLDING SOCKETS

Tap holding sockets

Type 3/8"	A	Ø d mm	L mm	D1 & D2	Type 1/2"	A	Ø d mm	L mm	D1 & D2
DO6321B001	3,4	4,5	38	19	DO6322B001	3,4	4,5	40	22
DO6321B002	4,9	6,0	38	19	DO6322B002	4,9	6,0	45	22
DO6321B003	5,5	7,0	40	19	DO6322B003	5,5	7,0	45	22
DO6321B004	6,2	8,0	40	19	DO6322B004	6,2	8,0	45	22
DO6321B005	7,0	9,0	43	19	DO6322B005	7,0	9,0	45	22
DO6321B006	8,0	10,0	45	19	DO6322B006	8,0	10,0	45	22
DO6321B007	9,0	11,0	45	19	DO6322B007	9,0	11,0	45	22
DO6321B008	9,0	12,0	45	22	DO6322B008	9,0	12,0	50	22
DO6321B009	11,0	14,0	45	22	DO6322B009	11,0	14,0	52	22



IMPACT SOCKETS SETS

Impact socket set magnetic reducers

DO698800401

4 pcs. magnetic sleeve insert adaptors
Magnetic reducing sleeve 1/4" F x 3/8" M
Magnetic reducing sleeve 3/8" F x 1/2" M
Magnetic reducing sleeve 1/2" F x 3/4" M
Magnetic reducing sleeve 3/4" F x 1" M



The magnetic adaptors make it possible to temporarily use larger impact sockets on smaller machines. The magnet ensures that the adaptor stays connected to the socket. This set is ideal for the toolbox of every service engineer taking care of service and repair of large equipment on location.

Impact Socket Set 1/2" & bits

DO691121301

1 pc. 1/2" Square Drive, 7/16" Hex Quick Releasing Chuck.
6 pcs 11 mm-7/16" Hex Internal Torx bits: T30-T40-T45-T50-T55-T60
6 pcs 11 mm - 7/16" Hex Hexagon Driver: 6-8-10-12-14-17 mm



Impact socket set, deep

DO69523108

10 deep impact sockets
10-11-13-14-17-19-21-22-24-27 mm



Impact socket set

DO0038-0-010

10 impact sockets, normal sizes
9-10-11-12-13-14-15-16-17-19 mm



Impact socket set

DO69521093

9 Hex Head power sockets
4-5-6-8-10-12-14-17-19 mm



Impact socket set, deep

DO605222601

26 impact sockets, 6-point, deep
10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32-33-34-35-36 mm



Impact socket set

DO652260701

7 pcs 1/2" dr., impact triple square driver set
M5-M6-M8-M10-M12-M14-M16



Impact socket set

DO605121301

13 impact sockets, 6-point deep,
normal sizes 7-8-9-10-11-12-13-14-15-16-17-18-19 mm



Impact socket set

DO0012-0-000S

10 impact sockets, normal sizes
9-10-11-13-14-17-19-22-24-27 mm



Impact socket set

DO605202602

26 impact sockets, 6-point
10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-32-33-34-35-36 mm



Impact socket set long

DO0100-1-007

7 impact sockets, deep
24-27-30-32-33-36-41 mm



IMPACT SOCKETS SETS

Impact socket set, deep

DO605421001

10 impact sockets, 6-Point, deep
21-22-24-27-30-32-33-36-41-46 mm



Impact socket set, deep (L=85)

DO611260501

5 impact sockets with plastic stop and sleeve
white 15 mm, blue 17 mm, yellow 19 mm, red 21 mm, green 22 mm



Type	A/F mm	D1 mm	D2 mm	D3 mm	L mm	L2 mm
Metric						
DO61126015 (white)	15	22	30	25	85	13
DO61126017 (blue)	17	24	30	27	85	14
DO61126019 (yellow)	19	26	30	29	85	15
DO61126021 (red)	21	28	30	31	85	17
DO61126022 (green)	22	29,5	30	32,5	85	18

For optimum protection of aluminum rims, sockets with plastic stop and sleeve in five different colours for easy identification.

Impact sockets are also available as single sockets.

Special socket set for wheel lug nut

DO0012-0-286



7 pcs of lug nut remover sockets,
17 - 18,5 - 20 - 21,5 - 23 - 24,5 - 26 mm

Wheel nut socket for special Mercedes wheel bolts (1/2 x 17)

DO6112P017

Includes rotating plastic sleeve and stop for protecting light alloy wheels.

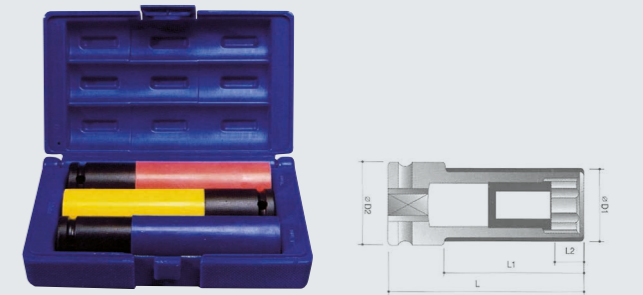
The Special Impact Socket is suitable for Mercedes C-Class / GLK (W204), E-Class (W211, W212, W207), SLK (W172), M-Class (W164, W166), CL-Class (W216), S-Class (W221, W222) and Maybach



Impact socket set, extra long (L=85)

DO611260310

3 impact sockets with plastic stop and sleeve
blue 17 mm - yellow 19 mm - red 21 mm

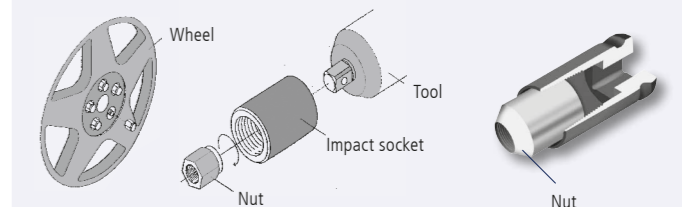


Type	A/F mm	D1 mm	D2 mm	L mm	L1 mm	L2 mm
Metric						
DO6112J017 (blue)	17	27	25	130	87	24
DO6112J019 (yellow)	19	29	30	130	87	24
DO6112J021 (red)	21	31	30	130	87	24
DO6112J022 (green)	22	32,5	30	130	87	24

For optimum protection of aluminum rims, sockets with plastic stop and sleeve in four different colours for easy identification.

Impact sockets are also available as single sockets.

Application of the wheel lock nut remover sockets

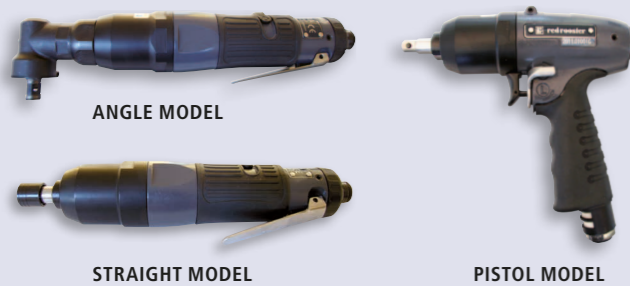


For removal of wheel lock nuts when special key is lost or not supplied upon service and for removal of the wheel nut when hexagon is damaged.

RED ROOSTER ASSEMBLY TOOLS

SHUT-OFF & NON SHUT OFF IMPULSE WRENCHES

The RED ROOSTER Impulse wrenches are handheld tools made for assembly with threaded fasteners. Impulse wrenches have no kick back and increase productivity. Typically meant for use in: Production of agricultural machinery, production of pumps, motors, bikes and any other serial production. Torque level is adjustable in the impulse mechanism.



SHUT-OFF SCREWDRIVERS RRI-SP-SD-SL-SA SERIES

These RED ROOSTER Shut-Off screwdrivers have a large torque-range, are highly accurate and have a low vibration level. Very ergonomic design and low noise level. The special design of the clutch combines low reaction forces with a high repeatability of the torque. This air tool is designed for the assembly industry, where threaded fasteners are used.



BROCHURE RED ROOSTER ASSEMBLY TOOLS

For a complete overview of the RED ROOSTER assembly tools ask for the special brochure RED ROOSTER ASSEMBLY TOOLS or visit our website: www.rami-yokota.com

CORDLESS SHUT-OFF IMPULSE WRENCHES RRI-BIM SERIES

High tightening speed combined with high accuracy. No reaction forces during the tightening process. No tightening functionality when battery charge is low, improving process safety. Very well suited in areas where cables and hoses impede handling flexibility of tools, such as interiors of cars, coaches and trains.



CORDLESS SHUT-OFF SCREWDRIVERS AND ANGLE WRENCHES RRI-BS-BA SERIES

Very well suited for assembly applications with a need of good torque accuracy. Especially in areas where cables and hoses impede handling flexibility, such as interiors of cars, coaches and trains.



PROGRAMMER FOR THE RRI BATTERY TOOLS

- One programmer fits all RRI battery tools
 - Easy to set the tool speed:
 - High speed for metallic assemblies
 - Medium speed for plastic assemblies
 - Low speed for special assemblies
 - Total used time memory function
 - Total count memory function
 - Operation count memory function
 - Tool identification number
- (All memory functions stored on printed circuit board in the tool)



RATCHET WRENCHES



Ratchet wrenches 1/4" + 3/8" + 1/2"

Type	Brand	Square-drive	Bolt capacity mm	RPM	Torque Nm	Air cons. l/sec	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise-level dB(A)
RRW-2202	RR	1/4"	8	200	32	5,0	0,5	PT 1/4"	6,5	4,3	85
MR-2207C	TOKU	1/4"	8	250	28	5,0	0,5	PT 1/4"	6,5	2,7	81
RRW-2203	RR	3/8"	10	200	32	5,0	0,5	PT 1/4"	6,5	4,3	85
MR-2209C	TOKU	3/8"	10	250	28	5,0	0,5	PT 1/4"	6,5	2,7	81
RRW-2403	RR	3/8"	12	150	68	6,0	1,2	PT 1/4"	6,5	5,8	85
MR-2310B	TOKU	3/8"	12	175	78	6,0	1,2	PT 1/4"	6,5	3	85
RRW-2404	RR	1/2"	12	150	68	6,0	1,2	PT 1/4"	6,5	5,8	85
MR-2410B	TOKU	1/2"	12	175	78	6,0	1,2	PT 1/4"	6,5	1,3	81
RRW-121	RR	1/2"	12	150	120	8,0	1,9	PT 1/4"	10	2,3	88

Reactionless ratchet wrenches

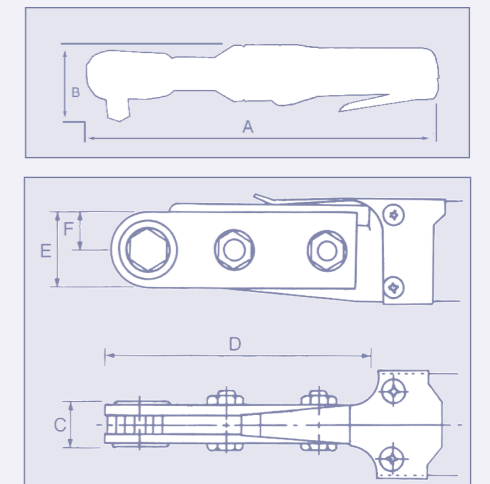
Type	Brand	Square-drive	Bolt capacity mm	RPM	Torque Nm	Air cons. l/sec	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise-level dB(A)
RRW-3403	RR	3/8"	12	500	95	6,0	1,28	PT 1/4"	6,5	4,5	91
RRW-3404	RR	1/2"	12	500	95	6,0	1,28	PT 1/4"	6,5	4,5	91

Ratchet wrenches for the assemblage industry

Type	Brand	Square-drive	Bolt capacity mm	RPM	Torque Nm	Air cons. l/sec	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise-level dB(A)
YRW-6	YOKOTA	8, 9, 10 *	6	200	13	4,6	1,15	PT 1/4"	6,5	2,5	81
YRW-8NS	YOKOTA	10, 12, 13, 14 *	8	250	30	8,3	2,00	PT 1/4"	10	2,5	82
YRW-10N	YOKOTA	14, 17 *	10	140	45	11,6	2,65	PT 1/4"	10	2,5	84

* Socket size in mm (Please state socket size in your order).

Typ	DIMENSIONS						
	A mm	B mm	C mm	D mm	E mm	F mm	
MR-2207C	165	33	-	-	-	-	
MR-2209C	165	33	-	-	-	-	
MR-2310B	255	44	-	-	-	-	
MR-2410B	255	50	-	-	-	-	
RRW-121	357	57	-	-	-	-	
RRW-2202	180	32	-	-	-	-	
RRW-2203	180	32	-	-	-	-	
RRW-2403	250	40	-	-	-	-	
RRW-2404	250	45	-	-	-	-	
RRW-3403	280	40	-	-	-	-	
RRW-3404	280	45	-	-	-	-	
YRW-6	320	13	13	88	20	10	
YRW-8NS	350	18	13	105	25	12,5	
YRW-10N	388	18	18	108	33	16,5	



SCREWDRIVERS

Hammermechanism & Direct drive



1-Hammer

Type	Brand	Hex drive	Bolt capacity mm	Model	RPM	Torque Nm	Air-cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
YD-3A ¹⁾	YOKOTA	1/4" Hex	4	Straight	12.000	7,5	1,6	0,50	PT 1/8"	6,5	2,3	82
YD-4A ¹⁾	YOKOTA	1/4" Hex	5	Straight	11.000	12	2,3	0,60	PT 1/8"	6,5	2	90
YD-5A ¹⁾	YOKOTA	1/4" Hex	6	Straight	10.000	15,5	3,2	0,85	PT 1/8"	6,5	2,5	90

2-Hammer

Type	Brand	Hex drive	Bolt capacity mm	Model	RPM	Torque Nm	Air-cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
MID-600 ²⁾	TOKU	1/4" Hex	3-5	Pistol	9.500	90	5,0	0,9	PT 1/4"	6,5	3,6	82
YD-40PZ	YOKOTA	1/4" Hex	4	Pistol	14.000	15	1,6	0,52	PT 1/4"	6,5	4	80
YD-600SZ ²⁾	YOKOTA	1/4" Hex	6	Straight	7.500	37	5,0	0,95	PT 1/4"	6,5	1,6	77
YD-670A-RF 3/8 ³⁾	YOKOTA	3/8" Hex	6	Pistol	7.500	90	6,1	0,98	PT 1/4"	6,5	1,5	75
YD-670A-RF ³⁾	YOKOTA	1/4" Hex	6	Pistol	7.500	90	6,1	0,98	PT 1/4"	6,5	1,5	75

Direct drive

Type	Brand	Hex drive	Bolt capacity mm	Model	RPM	Torque Nm	Air-cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
RR-0800DD	RR	1/4" Hex	6	Pistol	800	10,5	9,8	1,0	PT 1/4"	10	3,5	83
RR-1800DD	RR	1/4" Hex	6	Pistol	1.800	7,5	9,8	1,0	PT 1/4"	10	3,5	83

¹⁾ Supplied with regulator / ²⁾ Air supply with 4 step button / ³⁾ Supplied with rubber protection cover

SELECTION GUIDE	What to choose							
	Typ	Machine screw 4.8	Machine screw 8.8	Self tapping screw-M	Self tapping screw-ST	Self tapping screw-ST, for plastic	Self-drilling/ Self-tapping Screw-S	Wood screw
Impact								
Direct drive								
Clutchtype mechanism								
Shut-off mechanism								

■ recommended ■ OK ■ not OK

Impact sockets for screwdrivers see pag. 11

SCREWDRIVERS

Clutch type mechanism (adjustable)



Type	Brand	Square hex drive	Bolt capacity mm	Model	RPM	Torque Nm	Air-cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise-level dB(A)
YD-400SCA	YOKOTA	1/4" Hex	4	Straight	1.700	1 - 3,2	2,5	0,56	PT 1/8"	6,5	4	77
RR-02SC	RR	1/4" Hex	5	Straight	1.800	1 - 6	10,0	1,2	PT 1/4"	10	1,6	85
RR-06SC	RR	1/4" Hex	6	Straight	800	5 - 16	10,0	1,4	PT 1/4"	10	1,6	85
YD-5PHCA	YOKOTA	1/4" Hex	5	Pistol	1.650	1 - 6,6	5,8	1,2	PT 1/4"	6,5	2	77
RR-02SP	RR	1/4" Hex	5	Pistol	1.800	1 - 6	10,0	1,3	PT 1/4"	10	1,6	85
RR-06SP	RR	1/4" Hex	6	Pistol	800	5 - 16	10,0	1,4	PT 1/4"	10	3,5	83

DIMENSIONS	Type	A mm	B mm	C mm	Type	A mm	B mm	C mm
	YD-3A	168	13,5	-	MID-600	149	22	161
YD-4A	180	16	-	RR-02SP / RR-06SP	214	21	155	
YD-5A	200	19	-	RR-06SC	227	21	-	
YD-5PHCA	217	20	154	RR-02SC	260	21	-	
YD-40PZ	107	18	125	RR-0800DD	190	21	165	
YD-400SCA	209	16,5	-	RR-1800DD	175	21	165	
YD-600SZ	206	23	-					
YD-670A-RF	149	22	167					

All screwdrivers adapt 1/4" standard type hexagon insert bits and are reversible..

CONTROL	1-Hammer		Direct drive	
	YD-3A	Push start	RR-0800DD	Trigger start
YD-4A	Push start	RR-1800DD	Trigger start	
YD-5A	Push start			

ACCESSORIES	Side handles	
	Type	Order number
RR-06SP	* 75-725139-00015 +822340	

* Supplied as standard

Slip clutch (adjustable)	
YD-400SCA	Push start
YD-5PHCA	2-step trigger
RR-02SP/RR-06SP	Trigger start
RR-02SC/RR-06SC	Lever start

Hose set noise suppressor	
Type	Order number
RR-0800DD	EH-701SUB
RR-1800DD	
RR-02SP	
RR-06SP	

Torque springs
Automotive models RR-02SP/SC and RR-06SP/SC are supplied with 2 torque springs.

Screw spanner
The YD-400SCA and YD-5PHCA are supplied with screw spanner 2201-0243-00-00.

Spring balancers
The performance of the tool will be increased by good balance and reduced operator fatigue, when using a spring balancer (see page 69).

SHUT-OFF SCREWDRIVERS

RRI-screwdrivers for the assembly industry

The special design of the clutch combines low reaction forces with a high repeatability of the torque. This air tool is designed for the assembly industry, where threaded fasteners are used. The screwdriver can be connected by 4 mm O.D. tube to a YTC-3 controller for batch counting. These new RED ROOSTER screw drivers may be used with "oil free" air. In case of "oil free" air, it speaks for itself that the air quality (dry, clean) is of significant importance for the lifetime of the air motor. To achieve the optimal lifetime and performance of the air motor it is advised to lubricate the air (RED ROOSTER Atlub oil).

CHARACTERISTICS:

- Large torque range
- Highly accurate
- Very low noise and vibration level
- New pistol design in composite
- Soft & ergonomic grip
- Reversible
- Rear-exhaust, silenced
- Easily adjustable
- Hanger included



Angle model



Straight model

Pistol models

Type	Brand	Hex drive	Bolt capacity mm	RPM	Torque range Nm	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-SP11602	RRI	1/4" Hex	4	1.600	0,3 - 1,5	8	0,77	1/4"	6,5	<2,5	68
RRI-SP10902	RRI	1/4" Hex	4	900	0,3 - 1,8	8	0,77	1/4"	6,5	<2,5	68
RRI-SP21704	RRI	1/4" Hex	4	1.700	1 - 3,5	10	0,98	1/4"	6,5	<2,5	72
RRI-SP21104	RRI	1/4" Hex	4	1.100	1,5 - 4	10	0,98	1/4"	6,5	<2,5	72
RRI-SP20705	RRI	1/4" Hex	4	700	1,5 - 4,5	10	0,98	1/4"	6,5	<2,5	72
RRI-SP31706	RRI	1/4" Hex	5	1.700	3,5 - 5,2	12	1,1	1/4"	6,5	<2,5	72
RRI-SP31108	RRI	1/4" Hex	5	1.100	3,5 - 6,3	12	1,1	1/4"	6,5	<2,5	72
RRI-SP30710	RRI	1/4" Hex	6	700	3,5 - 8,2	12	1,1	1/4"	6,5	<2,5	72
RRI-SP30511	RRI	1/4" Hex	6	550	3,5 - 10	12	1,1	1/4"	6,5	<2,5	72

Angle models

Type	Brand	Hex drive	Bolt capacity mm	RPM	Torque range Nm	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-SA11602	RRI	1/4" Hex	4	1.600	0,3 - 1,5	8	0,82	1/4"	6,5	<2,5	68
RRI-SA10902	RRI	1/4" Hex	4	900	0,3 - 1,8	8	0,82	1/4"	6,5	<2,5	68
RRI-SA21704	RRI	1/4" Hex	4	1.700	1 - 3,5	10	1,02	1/4"	6,5	<2,5	72
RRI-SA21104	RRI	1/4" Hex	4	1.100	1,5 - 4	10	1,02	1/4"	6,5	<2,5	72
RRI-SA20705	RRI	1/4" Hex	4	700	1,5 - 4,5	10	1,02	1/4"	6,5	<2,5	72
RRI-SA31108	RRI	1/4" Hex	5	1.100	3,5 - 6,3	12	1,36	1/4"	6,5	<2,5	72
RRI-SA30710	RRI	1/4" Hex	6	700	3,5 - 8,2	12	1,36	1/4"	6,5	<2,5	72
RRI-SA30511	RRI	1/4" Hex	6	550	3,5 - 10	12	1,36	1/4"	6,5	<2,5	72
RRI-SA31108W	RRI	3/8" Square	5	1.100	3,5 - 6,3	12	1,36	3/8"	6,5	<2,5	72
RRI-SA30710W	RRI	3/8" Square	6	700	3,5 - 8,2	12	1,36	3/8"	6,5	<2,5	72
RRI-SA30511W	RRI	3/8" Square	6	550	3,5 - 10	12	1,36	3/8"	6,5	<2,5	72

SHUT-OFF SCREWDRIVERS

Straight models

Shut-Off screwdrivers Push start type (not for connection to YTC-3 controller)

Type	Brand	Hex drive	Bolt capacity mm	RPM	Torque range Nm	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-SD11602	RRI	1/4" Hex	4	1.600	0,3 - 1,5	8	0,54	1/4"	6,5	<2,5	68
RRI-SD10902	RRI	1/4" Hex	4	900	0,3 - 1,8	8	0,54	1/4"	6,5	<2,5	68
RRI-SD21704	RRI	1/4" Hex	4	1.700	1 - 3,5	10	0,77	1/4"	6,5	<2,5	72
RRI-SD21104	RRI	1/4" Hex	4	1.100	1,5 - 4	10	0,77	1/4"	6,5	<2,5	72
RRI-SD20705	RRI	1/4" Hex	4	700	1,5 - 4,5	10	0,77	1/4"	6,5	<2,5	72
RRI-SD31706	RRI	1/4" Hex	5	1.700	3,5 - 5,2	12	0,89	1/4"	6,5	<2,5	72
RRI-SD31108	RRI	1/4" Hex	5	1.100	3,5 - 6,3	12	0,89	1/4"	6,5	<2,5	72
RRI-SD30710	RRI	1/4" Hex	6	700	3,5 - 8,2	12	0,89	1/4"	6,5	<2,5	72
RRI-SD30511	RRI	1/4" Hex	6	550	3,5 - 10	12	0,89	1/4"	6,5	<2,5	72

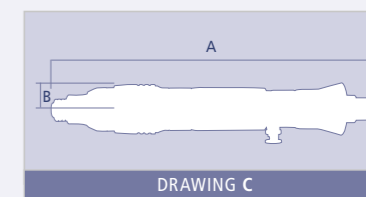
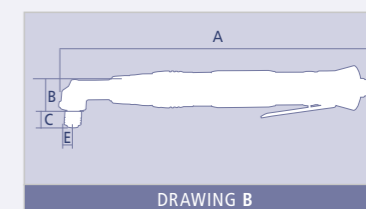
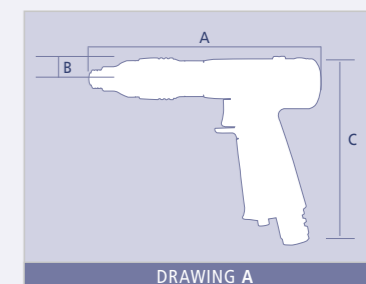
Shut-Off screwdrivers lever start type

Type	Brand	Hex drive	Bolt capacity mm	RPM	Torque range Nm	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-SL11602	RRI	1/4" Hex	4	1.600	0,3 - 1,5	8	0,59	1/4"	6,5	<2,5	68
RRI-SL10902	RRI	1/4" Hex	4	900	0,3 - 1,8	8	0,59	1/4"	6,5	<2,5	68
RRI-SL21704	RRI	1/4" Hex	4	1.700	1,0 - 3,5	10	0,84	1/4"	6,5	<2,5	72
RRI-SL21104	RRI	1/4" Hex	4	1.100	1,5 - 4	10	0,84	1/4"	6,5	<2,5	72
RRI-SL20705	RRI	1/4" Hex	4	700	1,5 - 4,5	10	0,84	1/4"	6,5	<2,5	72
RRI-SL31706	RRI	1/4" Hex	5	1.700	3,5 - 5,2	12	0,93	1/4"	6,5	<2,5	72
RRI-SL31108	RRI	1/4" Hex	5	1.100	3,5 - 6,3	12	0,93	1/4"	6,5	<2,5	72
RRI-SL30710	RRI	1/4" Hex	6	700	3,5 - 8,2	12	0,93	1/4"	6,5	<2,5	72
RRI-SL30511	RRI	1/4" Hex	6	550	3,5 - 10	12	0,93	1/4"	6,5	<2,5	72

DIMENSIONS

TYPE (DRAWING A)	A mm	B mm	C mm	TYPE (DRAWING C)	A mm	B mm
RRI-SP11602	198	16	157	RRI-SD11602	228	16
RRI-SP10902	198	16	157	RRI-SD10902	228	16
RRI-SP21704	209	18	157	RRI-SD21704	244	18
RRI-SP21104	209	18	157	RRI-SD21104	244	18
RRI-SP20705	209	18	157	RRI-SD20705	244	18
RRI-SP31706	238	18	156	RRI-SD31706	276	18
RRI-SP31108	238	18	157	RRI-SD31108	276	18
RRI-SP30710	238	18	157	RRI-SD30710	276	18
RRI-SP30511	238	18	157	RRI-SD30511	276	18

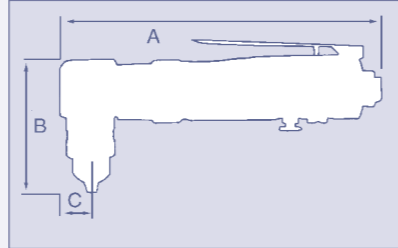
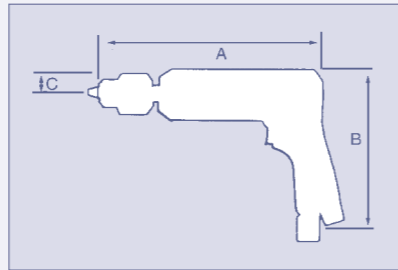
TYPE (DRAWING B)	A mm	B mm	C mm	E mm	TYPE (DRAWING C)	A mm	B mm
RRI-SA11602	294	29	16,1	12	RRI-SL11602	244	16
RRI-SA10902	294	29	16,1	12	RRI-SL10902	244	16
RRI-SA21704	314	29	16,1	12	RRI-SL21704	263	18
RRI-SA21104	314	29	16,1	12	RRI-SL21104	263	18
RRI-SA20705	314	30,5	15,8	13,5	RRI-SL20705	263	18
RRI-SA31108	350	30,5	15,8	13,5	RRI-SL31706	263	18
RRI-SA30710	350	30,5	15,8	13,5	RRI-SL31108	309	18
RRI-SA30511	350	30,5	15,8	13,5	RRI-SL30710	309	18
RRI-SA31108W	350	30,5	15,8	13,5	RRI-SL30511	309	18
RRI-SA30710W	350	30,5	15,8	13,5			
RRI-SA30511W	350	30,5	15,8	13,5			



DRILLS

DIMENSIONS

Type	A mm	B mm	C mm
RR-10DP	185	165	-
RR-13DP	218	165	-
10RDS-2500	250	-	22
10RDS-4000	250	-	25
MD-3312B	205	93	20
RRI-2006	192	138	14
RRI-2206/28	128	116	14
RRI-2206/40	128	116	14
RRI-2116P	270	168	28
YRD-6NBK	151	140	21
YRD-8NBK	176	150	25
YRD-10NBK	209	150	25
YRD-13NBK	218	145	25



ACCESSORIES

Drill chucks

Type	Order number
MD-3312B	* 10MM-3/8 x 24NF
RRI-2206/28	* 6MM-3/8 x 24NF
RRI-2206/40	* 6MM-3/8 x 24NF
RRI-2006	* 6MM-3/8 x 24NF
RRI-2116P	* BHP-16 1/2 x 20NF
10RDS-4000	* 10MM-3/8 x 24NF

* Supplied as standard

Quickchange drill chucks

Type	Order number
RR-10DP	* 10035-14
10RDS-2500	* 10035-14
YRD-6NBK	* BHS-10MM
YRD-8NBK	* BHS-10MM
YRD-10NBK	* BHS-13MM
YRD-13NBK	* BHS-13MM
RR-13DP	* 10033-14

* Supplied as standard



Hose set noise suppressor

Type	Order number
RR-10DP	EH-701SUB
RR-13DP	

Side handles

Type	Order number
RR-13DP	* 822340 + 75-725139-0001S
RRI-2116P	* 2116-061-99
YRD-13NBK	SM-71239 & SM-71240

* Supplied as standard

Keys for drill chucks

Type	Order number
MD-3312B	* 90180
RRI-2116P	* 90200
RRI-2206/28	* 90160
RRI-2206/40	* 90160

* Supplied as standard

DRILLS



Pistol models

Type	Brand	Capacity steel mm	Spindle size	Rotation direction	RPM	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-2006	RRI	6,5	3/8" x 24 UNF	R	5.000	0,21	10,8	0,65	PT 1/4"	10	3	79
RRI-2206/28	RRI	6,5	3/8" x 24 UNF	R	2.800	0,26	7,6	0,60	PT 1/4"	10	0,4	84
RRI-2206/40	RRI	6,5	3/8" x 24 UNF	R	4.000	0,26	7,6	0,60	PT 1/4"	10	0,6	86
YRD-6NBK	YOKOTA	6-8	3/8" x 24 UNF	R	2.800	0,33	8,3	0,90	PT 1/4"	10	3	76
YRD-8NBK	YOKOTA	8-10	3/8" x 24 UNF	R	1.900	0,38	10	1,30	PT 1/4"	10	3	75
RR-10DP ¹⁾	RR	10	3/8" x 24 UNF	L/R	1.800	0,35	8	1,1	PT 1/4"	10	4	83
YRD-10NBK	YOKOTA	10-13	1/2" x 20 UNF	R	1.000	0,44	10	1,50	PT 1/4"	10	1,3	80
YRD-13NBK	YOKOTA	13	1/2" x 20 UNF	R	700	0,50	13,3	1,6	PT 1/4"	10	0,8	79
RR-13DP ¹⁾	RR	13	3/8" x 24 UNF	L/R	800	0,35	8	1,3	PT 1/4"	10	4	83
RRI-2116P ²⁾	RRI	16	1/2" x 20 UNF	R	950 ³⁾	0,50	11	2,4	PT 1/4"	10	1,8	82

¹⁾ Supplied with hose set noise suppressor / ²⁾ Gears with needle bearings / ³⁾ Min. 650 p/min - Max. 950 p/min

Angle model

Type	Brand	Capacity steel mm	Spindle size	Rotation direction	RPM	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
MD-3312B	TOKU	10	3/8" x 24 UNF	L/R	1.900	0,38	6	0,91	PT 1/4"	6,5	2,3	77

Straight model

Type	Brand	Capacity steel mm	Spindle size	Rotation direction	RPM	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
10RDS-2500	RR	10	3/8" x 24 UNF	R	2.500	0,37	3,5	1,1	PT 1/4"	6,5	0,4	79
10RDS-4000	RR	10	3/8" x 24 UNF	R	4.000	0,37	3,5	1,1	PT 1/4"	6,5	0,4	79

GRINDERS

Angle models



Type	Brand	Wheel size mm	RPM	Power kW	Collet chuck mm	Air-cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRG-2090	RR	35	20.000	0,23	6	4,0	0,56	PT 1/4"	6,5	2,4	84
RRI-3506	RRI	40	18.000	0,22	6	4,9	0,55	PT 1/4"	6,5	1	80
MG-7236B	TOKU	40	20.000	0,20	6	5,0	0,45	PT 1/4"	6,5	2	85

Air turbine grinders



Type	Brand	Wheel size mm	RPM	Power kW	Collet chuck mm	Air-cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-T1565	RRI	9	65.000	0,15	3	3,7	0,135	PT 1/4"	6,5	<2,5	75
RRI-T4065	RRI	9	65.000	0,4	3	5,6	0,2	PT 1/4"	6,5	<2,5	75
RRI-T1550	RRI	20	50.000	0,15	3	3,7	0,135	PT 1/4"	6,5	<2,5	75
RRI-T3750	RRI	20	50.000	0,37	3	5,6	0,2	PT 1/4"	6,5	<2,5	75
RRI-T3340	RRI	20	40.000	0,33	6	5,6	0,4	PT 1/4"	6,5	<2,5	75
RRI-T1135	RRI	20	35.000	0,11	3	3,7	0,135	PT 1/4"	6,5	<2,5	75
RRI-T3335	RRI	20	35.000	0,33	3	5,6	0,2	PT 1/4"	6,5	<2,5	75
RRI-T5625	RRI	35	25.000	0,56	6	5,6	1	PT 1/4"	6,5	<2,5	75

Die grinder set



Type	Brand	Wheel size mm	RPM	Power kW	Collet chuck mm	Air-cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-3007	RRI	9	70.000	0,08	3	1,6	0,35	PT 1/4"	6,5	1,2	77
RRI-3006	RRI	12	58.000	0,10	3	1,6	0,35	PT 1/4"	6,5	0,8	80

GRINDERS

Die grinders



Type	Brand	Wheel size mm	RPM	Power kW	Collet chuck mm	Air-cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-34100	RRI	6	100.000	0,09	3	3,3	0,20	PT 1/4"	6,5	<2,5	73
RRI-3445	RRI	20	45.000	0,30	3 / 6	7,5	0,40	PT 1/4"	10	2,4	79
MG-OA	YOKOTA	20	25.000	0,30	6	6,2	0,45	PT 1/4"	6,5	5	78
RRI-3430	RRI	20	30.000	0,23	3 / 6	7,5	0,40	PT 1/4"	10	2,2	81
MG-7206B	TOKU	25	23.000	0,38	6	5	0,56	PT 1/4"	6,5	2,3	81
MG-OC	YOKOTA	25	33.000	0,13	6	3	0,39	PT 1/4"	6,5	3	78
RRG-200RE	RR	35	25.000	0,25	6	4	0,56	PT 1/4"	6,5	2,5	83
RRG-200REL	RR	35	25.000	0,25	6	4	0,86	PT 1/4"	6,5	1,5	83
RRG-500RE	RR	35	20.000	0,37	6	4,6	0,7	PT 1/4"	6,5	1,68	79
RRG-500REL	RR	35	20.000	0,37	6	4,6	1,4	PT 1/4"	6,5	1,68	79
RRG-1000RE	RR	35	22.000	0,74	6 (8) ²⁾	11	0,8	PT 1/4"	10	2,9	89
RRG-1000REL	RR	35	22.000	0,74	6 (8) ²⁾	11	1,2	PT 1/4"	10	2,9	89
RRI-3425	RRI	35	25.000	0,50	3 / 6	12,3	0,8	PT 1/4"	10	2	80,2
RRI-3425L	RRI	35	20.000	0,50	3 / 6	12,3	0,8	PT 1/4"	10	2,5	80,2
RRI-3425EL	RRI	35	20.000	0,50	3 / 6	12,3	0,95	PT 1/4"	10	2,5	80,6
MG-1B	TOKU	45	18.000	0,28	6	8	0,55	PT 1/4"	10	1,3	77
RRI-3407	RRI	35	7.000	0,70	6 (8) ³⁾	4	1,15	PT 1/4"	6,5	<2,5	84
RRG-202T ¹⁾	RR	80	2.500	0,30	7/16" 6K	4	1,1	PT 1/4"	6,5	2	84

¹⁾ Tire buffer / ²⁾ 8 mm collet chuck also available: 50-500228-18 / ³⁾ 8 mm collet chuck also available: 315073
Shaftlength: RRG-200REL: 116 mm / RRG-500REL: 180 mm / RRI-3425: 30 mm / RRI-3425L: 130 mm / RRI-3425EL: 215 mm

Note: MG-7206B and RRG-200RE are also available in set (including assortment abrasives).

Collet chucks for die grinders are supplied with the tool.

For collet chuck's ans nuts see p. 36.

GRINDERS

Straight models



Type	Brand	Wheel size mm	RPM	Power kW	Spindle	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
GS-2EFS	YOKOTA	65 x 13 x 9,5	14.000	0,45	3/8" x 16	10,0	1,3	PT 1/4"	10	3	84
TSG-3L	TOKU	75 x 13 x 9,5	11.500	0,53	3/8"	8,3	1,6	PT 3/8"	10	0,8	73
TSG-4L	TOKU	100 x 19 x 15,9	9.000	1,05	5/8"	16,6	3	PT 3/8"	13	1,1	83
TSG-5L	TOKU	125 x 19 x 15,9	7.600	1,05	5/8"	16,6	3	PT 3/8"	13	1,5	79
TSG-6L	TOKU	150 x 25 x 15,9	6.000	1,58	5/8"	20,0	4,2	PT 3/8"	13	0,8	80

Vertical grinders



Type	Brand	Wheel size mm	RPM	Power kW	Spindle	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
7VC-6500FS*	YOKOTA	230 x 6 x 22	6.500	1,74	5/8"	23,0	4,2	PT 3/8"	13	3	82
7VC-8500FS*	YOKOTA	180 x 6 x 22	8.500	1,74	5/8"	23,0	4,1	PT 3/8"	13	2,1	83

* Vibration reduced

All vertical and straight grinders have a governor wheel for regulating the right speed of the grinding wheel. This reduces the risk of overspeeding and assures the best material removal.

Both YOKOTA and TOKU straight grinders have double rows of bearings for long lifetime.

GRINDERS

Angle models



Type	Brand	Wheel size mm	RPM	Power kW	Spindel (Whitworth)	Air cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
RRG-1040AL	RR	100 x 1 x 9,6	14.000	0,76	M6	11	1,7	PT 1/4"	10	2,5	83
G-40SRF	YOKOTA	100 x 6 x 16	13.000	0,39	M8 x 1,25	7,5	0,90	PT 1/4"	10	6,6	79
RRG-2034*	RR	100 x 6 x 16	12.000	0,45	M10	11	1,55	PT 1/4"	10	2,3	83
TAG-40FLH*	TOKU	100 x 6 x 16	13.000	0,55	M8	10,8	1,70	PT 3/8"	10	2,6	83
RRG-2044*	RR	115 x 6 x 22	12.000	0,45	M14x2	11	1,60	PT 1/4"	10	2,4	83
G-40EF*	YOKOTA	115 x 6 x 22	13.000	0,60	7/16"	10,8	1,40	PT 1/4"	10	6,6	79
TAG-45MLH*	TOKU	115 x 6 x 22	13.000	0,67	M14x2	10,8	1,80	PT 3/8"	10	2,7	83
RRG-2055*	RR	125 x 6 x 22	12.000	0,45	M14x2	11,0	1,60	PT 1/4"	10	2,4	83
G-50EF*	YOKOTA	125 x 6 x 22	12.000	0,60	7/16"	10,8	1,50	PT 1/4"	10	4	77
G-50RF*	YOKOTA	125 x 6 x 22	12.000	0,60	7/16"	10,8	1,40	PT 1/4"	10	4	77
TAG-50MLH*	TOKU	125 x 6 x 22	12.000	0,67	M14x2	10,8	1,80	PT 3/8"	10	2,7	83
RRI-G50*	RRI	125 x 6 x 22	12.000	1,25	M14x2	22	1,8	PT 1/4"	13	<2,5	83
RRI-G70*	RRI	180 x (3-8) x 22	8.500	2	M14x2	33	4,1	PT 3/8"	16	2,4	83
G-70EF*	YOKOTA	180 x 6 x 22	8.500	1,12	5/8"	16,7	2,90	PT 3/8"	13	2,3	82
TAG-700QJL*	TOKU	180 x 6 x 22	8.500	1,10	-	16,6	3,10	PT 3/8"	13	2,6	82
TAG-900QJL*	TOKU	230 x 6 x 22	6.500	1,10	-	16,6	3,10	PT 3/8"	13	3,6	82

* Vibration reduced



Vibration reduced
The transfer of vibration to the user is greatly limited by the solid performance of the rubber handle.

All angle grinders (with exception of the RRG-1040AL) are supplied with regulator for optimal safety and the correct RPM for best material removal.

Flanges for cup wheels and a tool service set for mounting the flanges are supplied with all grinders. Flanges for flat, thin discs for mounting on the YOKOTA grinders are optional.

RRG-2034, RRR-2044 and RRG-2055 are supplied with flanges for wheel thickness of 0,8 - 6 mm.

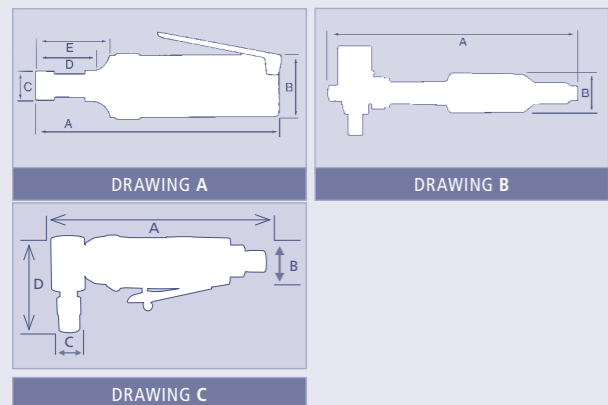
All angle grinders are supplied with an vibration reduced side handle, with exception of the RRG-1040AL & G-40SRF.

TAG-45MLH and TAG-50MLH are supplied with flanges for wheel thickness of 1,6 - 6 mm and have a spindle lock for increased ease of changing the wheel.

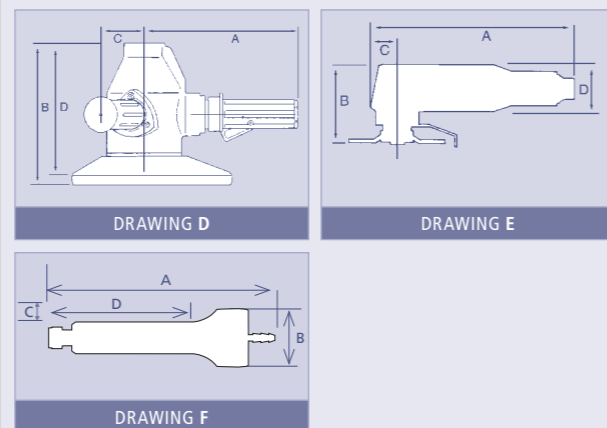
GRINDERS

DIMENSIONS

Type	A mm	B mm	C mm	D mm	E mm	Drawing
MG-OA	170	29	15	55	62	A
MG-OC	197	33	20	50	56	A
MG-1B	162	43	19	46	48	A
MG-7206B	164	40	-	-	-	A
RRG-200RE	162	40	18	30	34	A
RRG-200REL	258	40	18	116	135	A
RRG-202T	233	44	31	52	92	A
RRG-500RE	190	45	22	30	-	A
RRG-500REL	350	45	22	180	190	A
RRG-1000RE	200	46	21	41	50	A
RRG-1000REL	330	46	21	171	50	A
RRI-3006	151	16	10	-	-	A
RRI-3007	151	16	10	-	-	A
RRI-3407	280	45	28	38	80	A
RRI-3425	215	40	12	30	43	A
RRI-3425L	310	40	12	130	130	A
RRI-3425EL	390	40	12	215	215	A
RRI-3430	190	34	14	16	22	A
RRI-3445	190	34	14	16	22	A
RRI-34100	140	29	10	15	21	A
GS-2EFS	350	51	-	-	-	B
TSG-3L	365	51	-	-	-	B
TSG-4L	460	65	-	-	-	B
TSG-5L	460	65	-	-	-	B
TSG-6L	490	80	-	-	-	B
RRG-2090	167	75	-	42	-	C
RRI-3506	150	80	-	40	-	C
MG-7236B	124	72	-	32	-	C



Type	A mm	B mm	C mm	D mm	E mm	Drawing
7VC-6500FS	195	180	180	160	-	D
7VC-8500FS	195	180	180	165	-	D
G-40EF	299	88	29	50	-	E
G-40SRF	196	65	25	40	-	E
G-50EF	299	88	29	50	-	E
G-50RF	200	88	29	50	-	E
G-70EF	341	107	37	60	-	E
RRG-1040AL	377	42	22	45	-	E
RRG-2034	215	95	25	50	-	E
RRG-2044	215	95	25	50	-	E
RRG-2055	215	95	25	50	-	E
RRI-G50	255	55	32	45	-	E
RRI-G70	351	110	45	-	-	E
TAG-40FLH	267	85	33	50	-	E
TAG-45MLH	267	85	33	50	-	E
TAG-50MLH	267	85	33	50	-	E
TAG-700 QJL	307	103	36	62	-	E
TAG-900 QJL	307	103	36	62	-	E
RRI-T1565	156	31	13	120	-	F
RRI-T4065	172	43	13	134	-	F
RRI-T1550	156	31	13	120	-	F
RRI-T3750	172	43	13	134	-	F
RRI-T3340	196	43	15,5	145	-	F
RRI-T1135	156	31	13	120	-	F
RRI-T3335	172	43	13	134	-	F
RRI-T5625	295	67	15,5	150	-	F



All angle grinders are equipped with flanges to adapt flat and depressed grinding wheels.

GRINDERS

ACCESSORIES

Rubber pads



Type	Bestelnummer	Omschrijving
TAG-45MLH TAG-50MLH	9310-3008-00-00	Disc 100 x 22 mm Paper 115 x 22 mm
G-40EF/RF	9310-3003-00-00	* Disc 110 x 16 mm Paper 115 x 22 mm
G-50EF/RF	9310-3004-00-00	* Disc 120 x 16 mm Paper 125 x 22 mm
G-70EF 7VC-6500FS 7VC-8500FS	9310-3006-00-00	* Disc 175 x 22 mm Paper 180 x 22 mm

* These products are supplied in sets with rubber pads and flanges.

Accessories for rubber pads

Type	Order number	Description
G-40EF/RF G-50EF/RF	1120-0658-00-0	* Outer flange
G-40RF/EF G-50RF/EF	1120-0655-00-01	* Outer wheel screw
G-70EF 7VC-6500FS 7VC-8500FS	1508-0653-01-02	* Innenflansch
G-70EF 7VC-6500FS 7VC-8500FS	1508-0654-05-05	Inner flange

* These products are supplied in sets with rubber pads and flanges.

Standard flanges and outer wheel screws



Type	Order number	Description
G-40EF/RF	9310-3003-00-99	Disc 110 x 16 mm Paper 115 x 22 mm
G-50EF/RF	9310-3004-00-99	Disc 120 x 16 mm Paper 125 x 22 mm
G-70EF 7VC-6500FS 7VC-8500FS	9310-3006-00-99	Disc 175 x 22 mm Paper 180 x 22 mm
RRI-G-70	G70-0531-99	Disc 175 x 22 mm Paper 180 x 22 mm

Accessories for flat cut-off discs



Type	Order number	Description
G-70EF 7VC-6500FS 7VC-8500FS	1508-0653-00-03	Inner flange
G-70EF 7VC-6500FS 7VC-8500FS	1508-0654-00-02	Outer flange

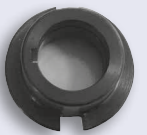
Standard flanges and outer wheel screws



Type	Order number	Description
TAG-40FLH	42-05-77-171 13-17-08-020	* Outer flange * Outer wheel screw
TAG-45MLH TAG-50MLH	42-05-80-H00	* Outer flange *
TAG-700 QJL TAG-900 QJL	2700-040-00 2700-041-00	* Outer flange * Outer wheel screw
G-40SRF	1105-0654-02-02 1105-0656-02-00	* Outer flange * Outer wheel screw
G-70EF 7VC-6500/8500	1422-0653-00-99 1508-0654-00-01 1508-0655-00-00	* Inner flange * Outer flange * Outer wheel screw
RRG-2034	61938A 61938A	Inner flange Outer flange
RRG-2044 RRG-2055	5D-619239 5D-619240	* Inner flange * Outer flange

* Supplied as standard

Accessories for cup stones / cup brushes



Type	Order number	Description
7VC-6500FS 7VC-8500FS	1508-0653-01-02	Inner flange
7VC-6500FS 7VC-8500FS	8100-4003-00-01	Angle spanner
7VC-6500FS 7VC-8500FS	8100-1005-00-00	Pin spanner
7VC-6500FS 7VC-8500FS	8100-5001-00-00	Double key spanner

Accessories for grinding wheels



Type	Order number	Description
G-40/G-50 EF/RF	1117-0653-00-01	Inner flange 16 mm
G-40/G-50 EF/RF	1117-0654-00-01	Outer flange 16 mm
G-40/G-50 EF/RF	1117-0653-00-02	* Inner flange 22 mm
G-40/G-50 EF/RF	1117-0654-00-02	* Outer flange 22 mm
G-40/G-50 EF/RF	1126-0655-00-00	* Outer wheel screw for 22 mm flange

* Supplied as standard

Collet chucks



Type	Order number	Description
MG-OA	1013-0661-01-99	* 6 mm
MG-OC	1011-0661-00-00	* 6 mm
MG-1B	42-04-90-K10	* 6 mm
MG-7206B	NVK-A10	- 3 mm
	T5-07-10-270	* 6 mm
	T5-07-10-27A	- 1/4"
MG-7236B	3003-035-00	* 6 mm
GS-2EFS/TSG-3L	1104-0661-01-99	- 6 mm
RRG-200RE(L)	51224	* 6 mm
RRG-500RE(L)	51224	* 6 mm
RRG-1000RE(L)	50-500228	* 6 mm
RRG-1000RE(L)	50-500228-18	- 8 mm
RRI-3407	315018	* 6 mm
	315073	- 8 mm

* Supplied as standard

M14 x 2 Quick nut

Type	Order number
RRG-2044	QN-M14
RRG-2055	
RRI-G50	
RRI-GT50	
TAG-45MLH	
TAG-50MLH	



Adapters

Type	Order number	Description
MG-OA	1001-0659-00-01	3 mm for 6 mm collet chuck
MG-OC		
MG-1B		
MG-7206B		
MG-7236B		
RRI-3425(L/EL)		
RRG-500RE(L)		
RRG-200RE(L)		
RRG-2090		
RRI-3506		
RRI-T3340		
RRI-T5625		
RRI-3407		



Tools for mounting grinding wheels



Type	Order number	Description
HS-4	8081-0021-00-00	* Spanner H36
HS-4	8100-2001-00-00	* Forked wrench
G-40 / G-50	8100-1003-00-00	* Bar wrench
G-40 / G-50	8100-2001-00-00	* Forked wrench
G-40 / G-50	8100-3001-00-00	* L-wrench
G-70EF	8100-5002-00-00	* Twin wrench
7VC6500FS		
7VC8500FS		
G-70EF	8081-0020-00-00	* Spanner H32
7VC6500FS		
7VC8500FS		
TAG-40FLH	13-40-01-006	* Hex wrench 6 mm
TAG-40FLH	42-05-71-G90	* Wheel ring washer
TAG-40FLH	13-40-04-014	* Combi spanner 14 x 19
TAG-45MLH		
TAG-50MLH		
TAG-45MLH	13-08-02-147	* Socket bar
TAG-50MLH		
TAG-700QJL	8081-0022-00-00	* Spanner H41
TAG-900QJL		
TAG-40FLH	9610-1010-00-00	* Hex wrench H10
TAG-45MLH		
TAG-50MLH		
TAG-700QJL		
TAG-900QJL		
RRI-G50	G50-900-99	* Forked wrench
RRI-G70		

* Supplied as standard

Exhaust hose/ silencer kit

Type	Order number
RRG-2034	5D-619249
RRG-2044	
RRG-2055	



Hook & Loop pads for sanders

Type	Order number	Description
RRI-5125-2NV	65-613342*	Multi hole pad 125 mm
RRI-5125-5NV		
RRI-5125-2CV	65-613342*	Multi hole pad 125 mm
RRI-5125-5CV	OPTIONELL	
RRI-5125-2SV	50LVJOSY-P	Pad 125 mm, multi hole
RRI-5125-5SV		
RRI-6150-2NV	610227V-61*	Multi hole pad 150 mm
RRI-6150-5NV		
RRI-T6250-5NV		
RRI-6150-2CV	66-613A43	Multi hole pad 125 mm
RRI-6150-5CV		15 holes
RRI-6150-2SV		
RRI-6150-5SV		
RRI-T6250-5CV		

* Supplied as standard



Order number: 66-613A43
150 mm
Multi hole



Order number: 50LVJOSY-P
150 mm
Multi hole



HS-4



MS-4125B



RRI-5125-2SV
RRI-5125-5SV
RRI-6150-2SV
RRI-6150-5SV



RRI-5125-2CV
RRI-5125-5CV



RRI-5125-2NV
RRI-5125-5NV



RRI-T6250-5NV
RRI-T6250-5CV



RRB-280

Sanders

Type	Brand	Pad size mm	Stroke mm	RPM	Power kW	Spindle	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
HS-4	YOKOTA	127 x 22	-	12.000	0,5	7/16" x 20	9,2	1,1	PT 1/4"	10	2	79
MS-4125B	TOKU	125 x 22	-	20.000	0,5	7/16" UNF	8,3	1,0	PT 1/4"	10	2,3	90

Palm orbital sanders

Type	Brand	Pad size mm	Stroke mm	RPM	Power kW	Spindle	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-5125-2NV*	RRI	125	2,5	12.000	0,3	5/16" UNF	4,9	0,6	PT 1/4"	6,5	<2,5	73
RRI-5125-2CV*	RRI	125	2,5	12.000	0,3	5/16" UNF	4,9	0,7	PT 1/4"	6,5	<2,5	73
RRI-5125-2SV*	RRI	125	2,5	12.000	0,3	5/16" UNF	4,9	0,7	PT 1/4"	6,5	<2,5	73
RRI-5125-5NV*	RRI	125	5	12.000	0,3	5/16" UNF	4,9	0,6	PT 1/4"	6,5	<2,5	73
RRI-5125-5CV*	RRI	125	5	12.000	0,3	5/16" UNF	4,9	0,7	PT 1/4"	6,5	<2,5	73
RRI-5125-5SV*	RRI	125	5	12.000	0,3	5/16" UNF	4,9	0,7	PT 1/4"	6,5	<2,5	73
RRI-6150-2NV*	RRI	150	2,5	12.000	0,3	5/16" UNF	4,9	0,6	PT 1/4"	6,5	<2,5	73
RRI-6150-2CV*	RRI	150	2,5	12.000	0,3	5/16" UNF	4,9	0,7	PT 1/4"	6,5	<2,5	73
RRI-6150-2SV*	RRI	150	2,5	12.000	0,3	5/16" UNF	4,9	0,7	PT 1/4"	6,5	<2,5	73
RRI-6150-5NV*	RRI	150	5	12.000	0,3	5/16" UNF	4,9	0,6	PT 1/4"	6,5	<2,5	73
RRI-6150-5CV*	RRI	150	5	12.000	0,3	5/16" UNF	4,9	0,7	PT 1/4"	6,5	<2,5	73
RRI-6150-5SV*	RRI	150	5	12.000	0,3	5/16" UNF	4,9	0,7	PT 1/4"	6,5	<2,5	73
RRI-T6250-5NV*	RRI	150	5	12.000	0,3	5/16" UNF	4,9	1	PT 1/4"	6,5	3,65	73
RRI-T6250-5CV*	RRI	150	5	12.000	0,3	5/16" UNF	4,9	1	PT 1/4"	6,5	3,65	73

* Standard delivered with Hook & Loop pad. **NV** = No dust extraction / **CV** = For connection to central dust extraction / **SV** = Self created Vacuum for dust extraction

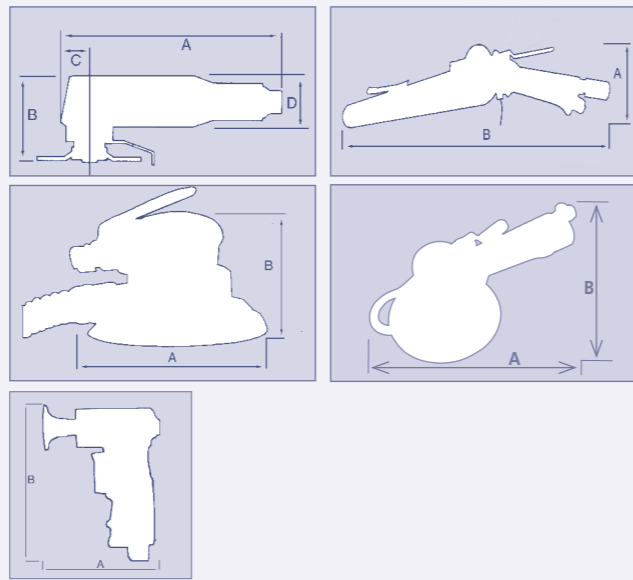
Wire brush sander

Type	Brand	Pad size mm	Stroke mm	RPM	Power kW	Spindle	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRB-280	RRI	80 ¹⁾	-	8.000	0,45	M14 x 2 ²⁾	9,6	1,5	PT 1/4"	10	9	80

¹⁾ Size wire brush (supplied without wire brushes) / ²⁾ Spindle stainless steel

DIMENSIONS

Type	A mm	B mm	C mm	D mm
HS-4	125	102	145	127
MS-4125B	150	110	-	-
RRB-280	225	85	28	50
RRG-3611	50	265	-	-
RRG-3617K	50	265	-	-
RRG-3621	60	420	-	-
RRG-3630	60	490	-	-
RRI-5125-2NV/5NV	163	104	-	-
RRI-6150-2NV/5NV	163	104	-	-
RRI-5125-2CV/5CV	213	104	-	-
RRI-6150-2CV/5CV	213	104	-	-
RRI-5125-2SV/5SV	213	104	-	-
RRI-6150-2SV/5SV	213	104	-	-
RRI-T6250-5NV/5CV	262	104	-	-
RRS-60323	116	150	-	-
RRS-60152	116	140	-	-
RRS-60153	116	140	-	-



ACCESSORIES

Sanding pads



Sanding pads	Order number	Description
HS-4	9350-1002-00-00	Fiber, 115 x 22 mm
MS-4125B		
RRS-60152	600125-21	Roloc™-Pad, Ø 50 mm
RRS-60153	600127-31	Roloc™-Pad, Ø 75 mm
RRS-60323	6004-031-00	Hook & Loop pad, Ø 75 mm

Side handle



Side handle	Order number
HS-4 G-40/50	1203-0013-0011*
TAG-40/45/50 TAG-700/900	2400-046-11*
RRG-2034/2044/2055	
G-70	1407-0013-0011*

* Supplied as standard

RED ROOSTER ATLUB OIL

RED ROOSTER orbital sanders may be used with "oil free" air. In case of "oil free" air, it speaks for itself that the air quality (dry, clean) is of significant importance for the lifetime of the air motor. To achieve the optimal lifetime and performance of the air motor it is advised to lubricate the air with RED ROOSTER Atlub oil.



Type	Brand	Description	Liter
ATLUB	RR	Lubricating oil	1

Sanding belts & Polishing pads



Sanding belt for 6 mm sanding arm		
SSB60660	6 x 330 mm	Korrel 60
SSB60680	6 x 330 mm	Korrel 80
SSB606100	6 x 330 mm	Korrel 100
SSB606120	6 x 330 mm	Korrel 120
SSB606150	6 x 330 mm	Korrel 150

Sanding belt for 10 mm sanding arm		
SSB61060	10 x 330 mm	Grain 60
SSB61080	10 x 330 mm	Grain 80
SSB610100	10 x 330 mm	Grain 100
SSB610120	10 x 330 mm	Grain 120
SSB610150	10 x 330 mm	Grain 150

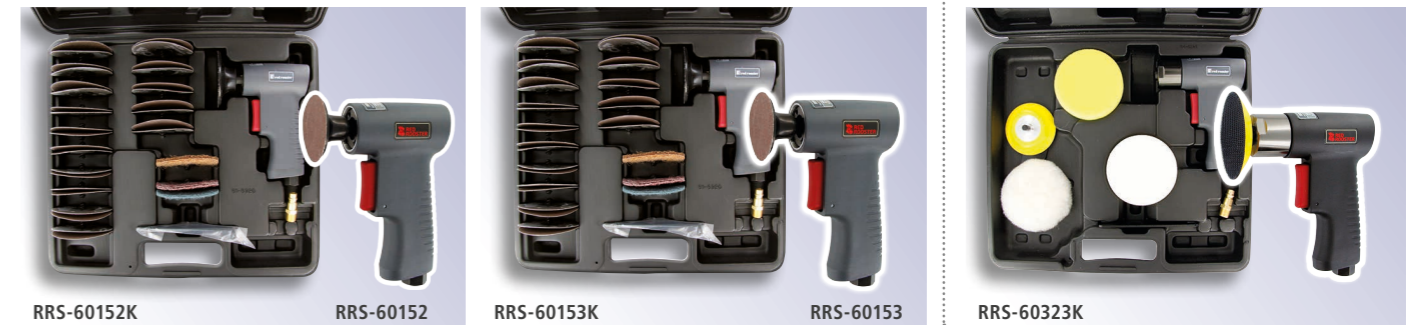
Sanding belt for 20 mm sanding arm		
SSB62060	20 x 520 mm	Grain 60
SSB62080	20 x 520 mm	Grain 80
SSB620100	20 x 520 mm	Grain 100
SSB620120	20 x 520 mm	Grain 120
SSB620150	20 x 520 mm	Grain 150

Sanding belt for 30 mm sanding arm		
SSB63060	30 x 540 mm	Grain 60
SSB63080	30 x 540 mm	Grain 80
SSB630100	30 x 540 mm	Grain 100
SSB630120	30 x 540 mm	Grain 120
SSB630150	30 x 540 mm	Grain 150

Polishing pads for RRS-60043K & RRS-60323	
SA-75543VC*	Yellow pad 3½": soft
SA-75653VC*	White pad 3½": medium
SA-77213*	Bonnet 3½"

* Supplied as standard

Mini sanders



Type	Brand	Pad size mm	RPM	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRS-60152 ¹⁾	RR	50	15.000	0,3	4,9	0,54	PT 1/4"	10	0,74	80
RRS-60153 ²⁾	RR	75	15.000	0,3	4,9	0,54	PT 1/4"	10	0,74	80
RRS-60323 ³⁾	RR	75	3.200	0,3	4,9	0,75	PT 1/4"	10	0,74	80

¹⁾ RRS-60152 = mini sander Ø50 mm (Roloc™-Pad) / ²⁾ RRS-60153 = mini sander Ø75 mm (Roloc™-Pad) / ³⁾ RRS-60323 = mini polisher Ø75 mm (Velcro Pad)

The RRI mini sanders can be ordered as separate tool or as set (K) with sanding and/or polishing discs.

The RRI mini sanders RRS-60152K and RRS-60153K come in a plastic case containing the following sanding pads: 10 x grain 80, 10 x grain 100 and 10 x grain 120. The RRS-60323K comes with 2 polishing pads and 1 polishing bonnet.

The ROLOC™ system ensures quick and save changing of the pads.

Belt sanders



Type	Brand	Belt size mm	RPM	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRG-3617K	RRI	6/10 x 330	20.000	0,28	6,7	0,75	PT 1/4"	10	0,6	80
RRG-3611	RRI	10 x 330	20.000	0,28	6,7	0,75	PT 1/4"	10	0,6	80
RRG-3621	RRI	20 x 520	18.000	0,34	8,7	1,40	PT 1/4"	10	2,5	79
RRG-3630	RRI	30 x 540	12.000	0,52	10,3	2,20	PT 1/4"	10	2	79

The RRG-3617K is the same as model RRG-3611 however supplied as set. This set contains a sanding arm 6 x 330 and a sanding arm 10 x 330 mm (1 tool, 2 applications).

The RED ROOSTER belt sanders are suitable for nearly all materials, e.g. steel, aluminium, plastics and wood and for use as a de-burring method in difficult access applications. All belt sanders are executed with safety handle and adjustable silencer.

HAMMERS



Type	Brand	Shank size mm	Bore diameter mm	Stroke mm	Blows p/min	J/Blow	Air cons. l/s	Weight kg	Inlet thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
TFC-200F	TOKU	□12,7	20	10	12.000	1,5	4,1	1,1	PT 1/4"	6,5	14,3	91
F-25 ¹⁾	YOKOTA	□12,7 x 16 x 28	25	22	4.000	5,1	6	1,8	PT 1/4"	6,5	12	91
RR-0315	RR	□12,7 x 16 x 28	25	32	4.000	7,4	3	2,6	PT 1/4"	6,5	9,4	93
TFC-257H	TOKU	□12,7	25	34	4.000	7,9	6,7	1,73	PT 1/4"	10	14	92
RRI-4021/4 ¹⁾	RRI	○11 x ○12,7 x 40	18	30	4.500	3,5	10	2,2	PT 1/4"	10	3,5	88
RRH-2000	RR	○11 x ○12,7 x 40	17,4	42	5.000	4,5	8,4	1,5	PT 1/4"	10	8	88
AA-OBR(H)	TOKU	○12,7 x ○15 x 53	20	50	3.600	7,5	5,8	2,6	PT 3/8"	6,5	12	89
BRH-6	YOKOTA	○10,2 x 40	20	60	3.500	9	6,6	1,4	PT 1/4"	10	17	95
RRH-4309K	RR	○11 x ○12,7 x 40	19	67	3.200	9,0	7,1	1,7	PT 1/4"	10	2,2	95
RRH-4312K	RR	○11 x ○12,7 x 40	19	89	2.100	12,0	7,1	1,8	PT 1/4"	10	2,6	95
AA-1.3BR(H)19x50 ²⁾	TOKU	○19 x 50	24	58	2.800	12,7	7,5	4,5	PT 3/8"	10	10	93
THA-2BRH19x50	TOKU	○19 x 50	28,5	51	2.300	15,7	14,2	6,8	PT 3/8"	13	11,6	93
THA-3BRH19x50	TOKU	○19 x 50	28,5	64	2.200	19,9	15	7,2	PT 3/8"	13	8	93
THA-4BRH19x50	TOKU	○19 x 50	28,5	102	1.800	31,8	15,8	7,8	PT 3/8"	13	11,6	93
TCD-20	TOKU	○22 x 82	43	60	2.000	42,4	18	11,4	PT 1/2"	13	16	106

Exclusive chisels and quick change retainer / For chisels overview see page 43-48 / ¹⁾ For suction casings see page 42 / ²⁾ Also available with shank size ○17,5 mm

HAMMER SETS

RRH-4309KSET1
RRH-4312KSET1

- Hammer
- 5 chisels for metal
- Quick change retainer

RRH-4309KSET2
RRH-4312KSET2

- Hammer
- 4 chisels for concrete/stone
- Quick change retainer

AVAILABLE FROM 02-2017

RRI-4006VL & RRI-4007VL

The RRI-4006VL & RRI-4007VL are to use as air hammers and as needle scalars. See page 51 for specs and conversion kits.

BREAKERS & ROCK DRILLS



Paving breakers

Type	Brand	Shank size mm	Bore diameter mm	Stroke mm	Blows p/min	J/Blow	Air cons. l/s	Weight kg	Inlet thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
TPB-40	TOKU	○25 x 108	44	146	1.400	110	26	19	PT 3/4"	19	19,1	106
TPB-40SV ¹⁾	TOKU	○25 x 108	40	146	1.050	110	26	19,5	PT 3/4"	19	5,5	106
TPB-501SV ¹⁾	TOKU	○32 x 160	50	156	1.250	151	25	28,1	PT 3/4"	19	5,3	107
TPB-60	TOKU	○32 x 160	57	100	1.400	125	27	30	PT 3/4"	19	9,7	110

¹⁾ Vibration reduced

Rock drills

Type	Brand	Shank size mm	Bore diameter mm	Stroke mm	Blows p/min	RPM	J/Blow	Air cons l/sec	Weight kg	Inlet thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
TH-5S ¹⁾	TOKU	○19 x ○14,8 x 89	38	31	3.400	420	17	14	5,8	PT 3/8"	13	14	95
TJ-15SBS	TOKU	○22 x 82	54	45	2.450	250	44,7	26	17,4	PT 3/4"	19	30	99
TJ-15SV ¹⁾	TOKU	○22 x 108	54	45	2.450	250	44,7	26	17,7	PT 3/4"	19	7	99
TJ-15SV SBS ¹⁾	TOKU	○22 x 82	54	45	2.450	250	44,7	26	17,4	PT 3/4"	19	7	99
TJ-20SV LBS ¹⁾	TOKU	○22 x 108	68	49	2.400	200	72	41	19	PT 3/4"	19	10,8	100
TJ-20SV SBS ¹⁾	TOKU	○22 x 82	68	49	2.400	200	72	41	19	PT 3/4"	19	10,8	100

¹⁾ Vibration reduced

VIBRATION REDUCED

Vibration reduction in the TOKU hammers, breakers and drills enables longer working hours.

SHANK SIZE

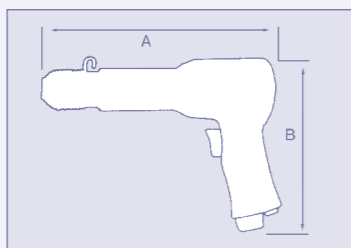
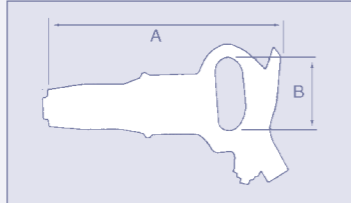
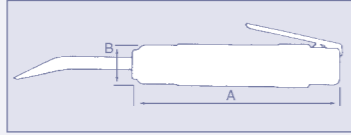
Type	A	B
TPB-40/40SV	108	25
TPB-50N/501SV	160	32
TPB-60	160	32
TJ-15LBS/SBS	108/82	22
TJ-20LBS/SBS	108/82	22

Type	A	B	C
TH-5S	89	14,8	19

HAMMERS

DIMENSIONS

Type	A mm	B mm
AA-OBR(H)	245	95
AA-1.3BR(H)	300	76
BRH-6	200	149
F-25	310	43
RR-0315	320	43
RRH-2000	165	140
RRH-4309K	223	173
RRH-4312K	267	173
RRI-4021/4	255	100
TCD-20	520	100
TFC-200F	189	40
TFC-257H	330	43
TH-5S	425	250
THA-2BRH19x50	350	87
THA-3BRH19x50	422	87
THA-4BRH19x50	430	87
TJ-15	468	340
TJ-20	385	585
TPB-40	660	390
TPB-40SV	649	390
TPB-501SV	714	390
TPB-60	645	400



ACCESSORIES

Quick change chisel retainer

BRH-6	PT-2311
RRH-2000	PT-2311

Retainer spring

RRH-2000	10219 RRH-2000	*
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* Supplied as standard

Suction casings for air hammers

For dust extraction of the models RRI-4021/4 and F25. For other hammers ask for the most suitable solution.



DC6622

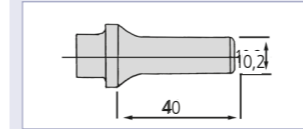


DC6078

For hammer	Type	Tool connection Ø D (in/mm)	Hose connection (in/mm)	Height mm
F25	DC6622	1,7"/43	1,5"/38	158
RRI-4021/4	DC6078	2,4"/61	1,5"/38	178

CHISELS FOR AIR HAMMERS

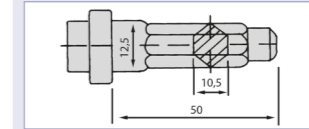
Shank size Ø 10,2 mm x 40 mm



FOR HAMMERS:
- YOKOTA BRH-6
- RED ROOSTER RRH-4210

Order number	Description	L (mm) total	B (mm)
BE101002	Cutting chisel	122	20
BE101003	Sheet metal trimmer	135	16
BE101005	Muffler cutter	115	15
BE101006	Bushing splitter	132	12
BE101007	Spot-weld breaker bent	79	15
BE101008	Bushing driver	63	Ø 23
BE101009	Tapered punch	132	Ø 3
BE101010	Flat chisel	120	33
BE101011	Double edged cutter	110	22
BE101012	Shear bent	132	12
BE101016	Straight punch	120	Ø 12
BE101017	Spot-weld breaker	117	19
BE101018	Scraper	137	33
BE101019	Tail pipe cutter	119	29
BE101020	Concave scraping	130	34
BE101021	Wide cutting	129	44
BE101022	Diamond point	161	-
BE101024	Flat, bent	106	15
BE101025	River cutter	109	23
BE101027	Center punch chisel	106	Ø 9
BE101028	Pin punch	134	Ø 8

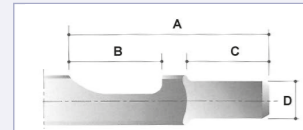
Shank size 10,5 mm Hex x Ø 12,5 mm x 50 mm



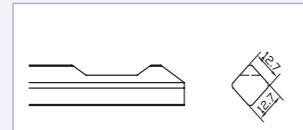
FOR HAMMERS:
- RED ROOSTER RRH-4210K

Order number	Description	L (mm) total	B (mm)
BE151002	Cutting chisel	122	20
BE151003	Sheet metal trimmer	135	16
BE151004	Panel cutter	131	15
BE151005	Muffler cutter	115	15
BE151007	Spot-weld breaker bent	79	15
BE151008	Bushing driver	63	Ø 23
BE151009	Tapered punch	132	Ø 3
BE151010	Flat chisel	120	33
BE151011	Double edged cutter	110	22
BE151012	Shear bent	132	12
BE151014	Double blade panel cutter	136	18
BE151015	Wide cutting, bent	130	33
BE151016	Straight punch	120	Ø 12
BE151017	Spot-weld breaker	117	19
BE151018	Scraper	137	33
BE151019	Tail pipe cutter	119	29
BE151020	Concave scraping	130	34
BE151021	Wide cutting	129	44
BE151022	Diamond point	161	-
BE151024	Flat, bent	106	15
BE151026	Round nose panel cutter	90	21
BE151027	Center punch chisel	106	Ø 9
BE151028	Pin punch	134	Ø 8
BE151031	Hollow gouge	155	17
BE152001	Slotting tool with carbide tip	155	30

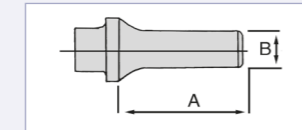
SHANK SIZE



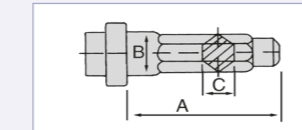
Type	A	B	C	D
TFC-200F	51	23	21	9,5



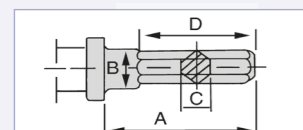
Type	A	B	C
F-25	16	12,7	28
RR-0315	16	12,7	28
TFC-257H	13	12,7	27



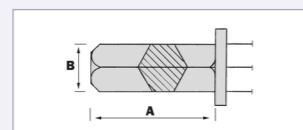
Type	A	B
BRH-6	40	10,2



Type	A	B	C
RRH-2000	40	12,7	11
RRH-4309K	40	12,7	11
RRH-4312K	40	12,7	11
RRI-4021/4	40	12,7	11

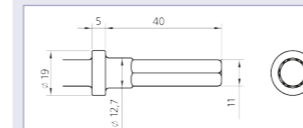


Type	A	B	C
AA-OBR(H)	53	15	12,7



Type	A	B
AA-1.3BR(H)19x50	50	19
AA-3BR(H) 19x50	50	19
TCD-20	82	22
THA-2BRH 19x50	50	19
THA-3BRH 19x50	50	19
THA-4BRH 19x50	50	19

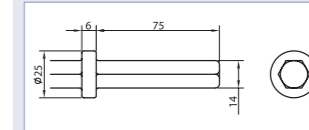
Shank size 11 mm Hex / Ø 12,7 mm x 40 mm



FOR HAMMERS:
- RED ROOSTER RRH-2000
- RED ROOSTER RRH-4309K
- RED ROOSTER RRH-4312K
- RED ROOSTER RRI-4021/4

Order number	Description	L (mm) total	B (mm)
CB51109165	Flat chisel	165	18
CB51109350	Flat chisel	350	18
CB51112180	Wide flat chisel	180	33
CB51104190	Wide flat chisel, bent	190	33
CB51103185	Wide flat chisel	185	45
CB51115180	Moil point	180	-
CB51193180	Slotting tool with carbide tip (8 mm)	180	38
CB51193180-4	Slotting tool with carbide tip (4 mm)	180	38
CB51193180-6	Slotting tool with carbide tip (6 mm)	180	38

Shank size 13,8 mm 6-Kt x 75 mm

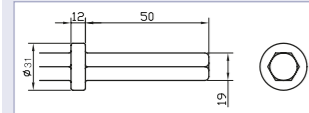


FOR HAMMERS:
- Arx

Order number	Description	L (mm) total	B (mm)
CB5100105/3	Moil point	180	-
CB5100102/3	Flat chisel	110	24
CB5100104/3	Flat chisel	180	24
CB5100103/3	Wide flat chisel	180	40
CB5100107/3S	Wide flat chisel	180	60
CB5100115/3	Wide flat chisel	180	100
CBMCOVAXS	Slotting tool with carbide tip	120	35

CHISELS FOR AIR HAMMERS

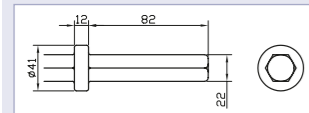
Shank size 19 mm 6-Kt x 50 mm



FOR HAMMERS:
- TOKU AA-1.3BR(H) 19x50
- TOKU THA-Serie

Order number	Description	L (mm) under the collar	B (mm)
MP5	Moil point	250	-
MP5-350	Moil point	350	-
MP5-450	Moil point	450	-
NC5	Flat chisel	250	23
NC5-350	Flat chisel	340	30
NC5-450	Flat chisel	440	30
CB5	Wide flat chisel	250	60
CB5-G	Wide flat chisel, bent	250	60
CB19210	Wide flat chisel	210	95

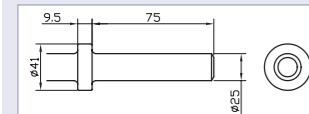
Shank size 22 mm Hex x 82,5 mm



FOR HAMMERS:
- TOKU TCD-20
- RED ROOSTER RRI-4596/1
- RED ROOSTER RRI-4612K VL

Order number	Description	L (mm) under the collar	B (mm)
MP4	Moil point	380	-
MP4-450	Moil point	450	-
MP4-1000	Moil point	1.000	-
MP4-1500	Moil point	1.500	-
MP4-2000	Moil point	2.000	-
NC4	Flat chisel	380	28
NC4-450	Flat chisel	450	28
NC4-1000	Flat chisel	1.000	27
NC4-1500	Flat chisel	1.500	28
NC4-2000	Flat chisel	2.000	27
NC4-2500	Flat chisel	2.500	27
CB4	Wide flat chisel	380	75
DC4	Asphalt chisel	400	80
AC4	Asphalt cutter	400	115

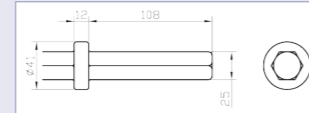
Shank size Ø 25 mm x 75 mm, round collar 42 mm



FOR HAMMERS:
- RED ROOSTER RRI-4596/R
- RED ROOSTER RRI-4612R VL

Order number	Description	L (mm) under the collar	B (mm)
B350MP	Moil point	350	-
B450MP	Moil point	450	-
B600MP	Moil point	600	-
B1000MP	Moil point	1.000	-
B1500MP	Moil point	1.500	-
B2000MP	Moil point	2.000	-
B350NC	Flat chisel	350	24
B450NC	Flat chisel	450	24
B600NC	Flat chisel	600	24
B1000NC	Flat chisel	1.000	24
B1500NC	Flat chisel	1.500	24

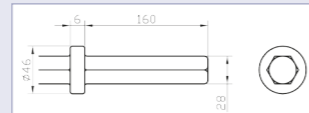
Shank size 25 mm Hex x 108 mm



FOR HAMMERS:
- TOKU TPB-40
- TOKU TPB-40SV

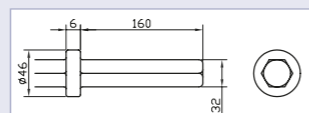
Order number	Description	L (mm) under the collar	B (mm)
MP3	Moil point	380	-
MP3-450	Moil point	450	-
MP3-1000	Moil point	1.000	-
MP3-1500	Moil point	1.500	-
MP3-2000	Moil point	2.000	-
NC3	Flat chisel	380	25
NC3-450	Flat chisel	450	25
CB3	Wide flat chisel	360	75
DC3	Digging chisel	400	75
AC3	Asphalt cutter	400	125

Shank size 28 mm Hex x 160 mm



Order number	Description	L (mm) under the collar	B (mm)
MP2A	Moil point	380	-
MP2	Moil point	450	-
NC2A	Flat chisel	380	35
NC2	Flat chisel	450	35
CB2A	Wide flat chisel	380	75
DC2	Wide flat chisel	400	75
CB5819	Asphalt cutter	350	125
AC2	Heavyt asphalt cutter	270	115

Shank size 32 mm Hex x 160 mm

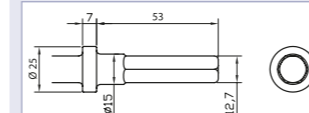


FOR HAMMERS:
- TOKU TPB-50N
- TOKU TPB-501SV
- TOKU TPB-60

Order number	Description	L (mm) under the collar	B (mm)
MP1A	Moil point	380	-
MP1	Moil point	450	-
MP1-900	Moil point	900	-
MP1-1500	Moil point	1.500	-
NC1A	Flat chisel	380	35
NC1	Flat chisel	450	35
CB1A	Wide flat chisel	380	75
DC1	Digging chisel	400	75
AC1	Heavyt asphalt cutter	270	115
CB5019	Asphalt cutter	280	125

CHISELS FOR AIR HAMMERS

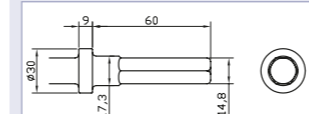
Shank size 12,7mm Hex / Ø 15mm x 53 mm



FOR HAMMERS:
- TOKU AA-OB
- TOKU AA-OBR(H)

Order number	Description	L (mm) total	B (mm)
BEAA-OB-01	Flat chisel	220	16
BEAA-OB-01 400MM	Flat chisel	400	16
BEAA-OB-02	Diamond point	220	-
BEAA-OB-02 400MM	Diamond point	400	-
BEAA-OB-03	Flat chisel	220	25
BEAA-OB-04	Flat chisel	220	49
BEAA-OB-04 540MM	Flat chisel	540	49
BEAA-OB-05	Flat chisel	220	97
BEAA-OB-06	Flat chisel bent	220	50

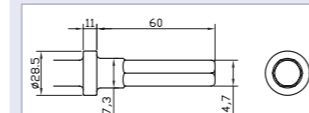
Shank size 14,8mm Hex / Ø 17,3mm x 60 mm



FOR HAMMERS:
- TOKU AA-1.3B, AA-3B (old series)

Order number	Description	L (mm) under the collar	B (mm)
CB3210260	Moil point	260	-
CB3210450	Moil point	450	-
CB418	Round nose	210	-
CB420	Diamond point	160	-
CB3211260	Flat chisel	260	22
CB424	Flat chisel	140	50
CB426	Flat chisel	137	38
CB3218200	Wide flat chisel	200	50
CB3217210G	Wide flat chisel, bent	210	95
CB3211450	Flat chisel, bent	510	22

Shank size 14,7mm Hex / Ø 17,3mm x 60mm, oval collar

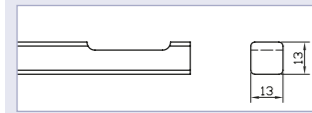


FOR HAMMERS:
- TOKU THH-2BH
- TOKU THH-3BH
- TOKU THH-4BH

Order number	Description	L (mm) under the collar	B (mm)
HS2-OC	Flat chisel	200	24
CB304	Flat chisel	158	24
CB304-12	Flat chisel	234	24
CB304-18	Flat chisel	386	24
CB324-24	Flat chisel	610	50
HS2-32-OC	Wide flat chisel	200	32
HS2-50-OC	Wide flat chisel	200	50
HS6-OC	Moil point	200	-

CHISELS FOR AIR HAMMERS

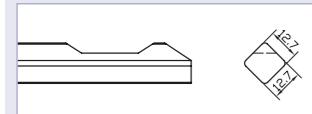
Shank size 13 mm square, with RRC recess



FOR HAMMERS:
- AC RRC

Order number	Description	L (mm) total	B (mm)
CB3251	Flat chisel	178	19
CB3251-300	Flat chisel	300	19
CB3251-450	Flat chisel	450	19
CB3251-500	Flat chisel	500	19
CB3252	Wide flat chisel	155	38
CB3252-300	Wide flat chisel	300	38
CB3252-500	Wide flat chisel	500	38
CB3253	Wide flat chisel, bent	178	38
CBMCCORRC13.2	Slotting tool with carbide tip	150	38
CBMCCORRC13.0-4	Slotting tool with carbide tip	150	4
CBMCCORRC13.0-6	Slotting tool with carbide tip	150	6

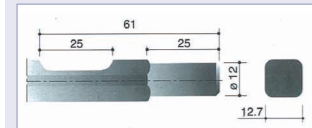
Shank size 12,7 mm square, with recess



FOR HAMMERS:
- YOKOTA F-25
- RED ROOSTER RR-0315

Order number	Description	L (mm) total	B (mm)
BE15/1B	Flat, bent	113	19
BE15/1F	Flat chisel	114	19
BE15/1G	Wide flat chisel, bent	113	35
BE15/1W	Wide flat chisel	118	35
8160-1002-00-00	Flat, bent	113	26
CBMCOF25-150	Slotting tool with carbide tip	150	35

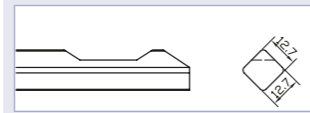
Shank size 12,7 mm square, with recess



FOR HAMMERS:
- TOKU TFC-200F

Order number	Description	L (mm) total	B (mm)
CB40901180	Moil point	180	-
CB40902180	Flat chisel	180	19
CB40903180	Wide flat chisel, bent	180	35
CB40904180	Wide flat chisel, bent	180	35
CB40906180	Flat chisel	180	50

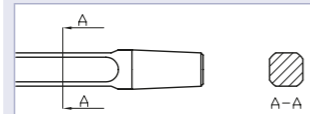
Shank size 12,7 mm square, with recess



FOR HAMMERS:
- TOKU TFC-257H

Order number	Description	L (mm) total	B (mm)
CB382	Flat chisel	178	19
CB382-12	Flat chisel	300	19
CB382-18	Flat chisel	455	19
CB383	Wide flat chisel	178	35
CB383-12	Wide flat chisel	300	35
CB383-18	Wide flat chisel	450	35
CB384	Wide flat chisel, bent	178	35
CB384/12	Wide flat chisel, bent	300	35
CB380	Wide flat chisel	178	50
CB380-3	Wide flat chisel	200	75
CBMCOIR180	Slotting tool with carbide tip	200	38

Shank size JUMBO square

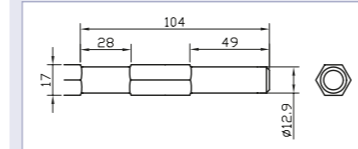


FOR HAMMERS:
- IR9001 (e.g.)

Order number	Description	L (mm) total	B (mm)	Ø
CB296	Moil point	250	-	
CB297	Moil point	300	-	
CB276	Flat chisel	250	24	
CB276-12	Flat chisel	300	24	
CB276-18	Flat chisel	450	24	
CB278	Punch	250	-	10
CB279	Punch	250	-	13
CB280	Punch	250	-	16
CB281	Punch	250	-	19
CB282	Punch	250	-	22
CB283	Punch	250	-	25
CB284	Punch	250	-	28

CHISELS FOR ELECTRIC HAMMERS

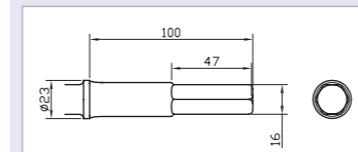
Shank size Ø 12,9 mm x 77 mm



FOR HAMMERS:
- Makita 0810, 8035

Order number	Description	L (mm) total	B (mm)
CB2453	Flat chisel	280	20
CB2455	Wide flat chisel	280	40

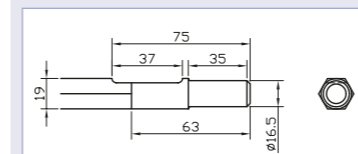
Shank size 16 mm Hex x 100 mm



FOR HAMMERS:
- Duss PK35, PK40, PK45, PK75

Order number	Description	L (mm) total	B (mm)
CB2291	Moil point	400	-
CB2293	flat chisel	400	24

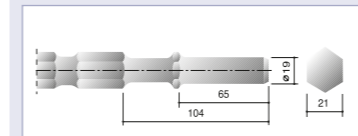
Shank size Ø 16,3 mm x 19 mm



FOR HAMMERS:
- Bosch USH6, UBH6, 11206

Order number	Description	L (mm) total	B (mm)
CB2061	Moil point	300	-
CB2063	Moil point	400	-
CB2066	Flat chisel	300	24
CB2072	Wide flat chisel	400	50

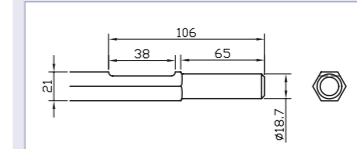
Shank size Ø 19 mm x 65 mm



FOR HAMMER:
- Kangoo 900/950

Order number	Description	L (mm) total	B (mm)
CB2381	Wide flat chisel	300	50
CB2381-L	Wide flat chisel	380	50
CB2382	Wide flat chisel	300	75
CB944484	Adaptor for floorscraper	450	-

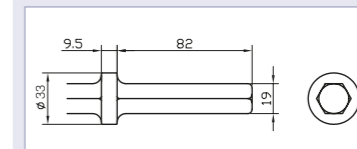
Shank size Ø 19 mm x 65 mm



FOR HAMMERS:
- Kangoo 900/950

Order number	Description	L (mm) total	B (mm)
CB2362	Moil point	380	-
CB2363	Moil point	450	-
CB2364	Moil point	600	-
CB2365	Flat chisel	300	24
CB2366	Flat chisel	380	24
CB2367	Flat chisel	450	24
CB2368	Flat chisel	600	24
CB100134	Floorscraper	270	150
CB100156	Blade for floorscraper M10	-	150
CB100156-M12	Blade for floorscraper M12	-	150
CBB61040K	Repair kit for floorscraper M10	-	-
CBB61040K-M12	Repair kit for floorscraper M12	-	-

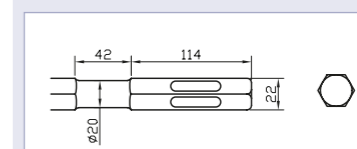
Shank size 19 mm Hex x 82,5 mm



FOR HAMMERS:
- Wacker

Order number	Description	L (mm) total	B (mm)
CB2904	Flat chisel	330	24
CB2906	Flat chisel	500	24
CB2907	Wide flat chisel	330	65

Shank size 22 mm Hex with recess



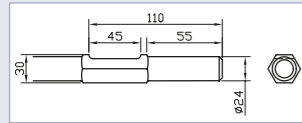
FOR HAMMERS:
- Duss PK160, PK300

Order number	Description	L (mm) total	B (mm)
CB100526	Moil point	400	-
CB100533	Moil point	500	-
CB100529	Flat chisel	400	28
CB100534	Flat chisel	500	28
CB100535	Wide flat chisel	500	50

CHISELS FOR ELECTRIC HAMMERS

DRILLS FOR ELECTRIC HAMMERS

Shank size Ø24 mm x 55 mm

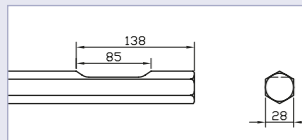


FOR HAMMERS:
- Makita
- Hitachi

Order number	Description	L (mm) total	B (mm)
CB3021	Moil point	400	-
CB3022A *	Moil point	400	32
CB3022B *	Flat chisel	400	32
CB3023A *	Wide flat chisel	400	75
CB3023B *	Wide flat chisel	400	75
CB3024A *	Asphalt cutter	400	125

* Type A: recess parallel on flat side of the spade, type B: crosswise

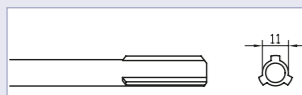
Shank size 28 mm Hex with recess



FOR HAMMERS:
- Bosch USH27, 11304

Order number	Description	L (mm) total	B (mm)
CB2001	Moil point	400	-
CB2003	Flat chisel	400	35
CB2005	Wide flat chisel	400	75
CB2007	Asphalt cutter	400	115

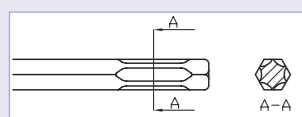
Shank size 11 mm



FOR HAMMERS:
- Impex EH25

Order number	Description	L (mm) total	B (mm)
CBMCOEH25	Slotting tool with carbide tip	250	35

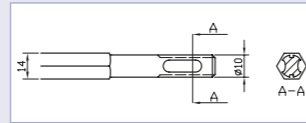
Shank size HILTI TE805 and TE905



FOR HAMMERS:
- Hilti TE805, TE905

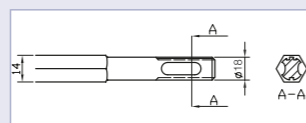
Order number	Description	L (mm) total	B (mm)
CB914972	Moil point	360	-
CB914974	Moil point	500	-
CB914982	Flat chisel	360	29
CB914992	Wide flat chisel	360	55
CB914995	Wide flat chisel	360	80

SDS plus



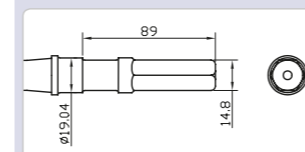
Order number	Description	L (mm) total	B (mm)
CB2101	Moil point	250	-
CB2102V	Flat chisel	250	20
CB2103	Wide flat chisel	250	40
CBMCO5DSPLUSKORT	Slotting tool with carbide tip	158	35
CBMCO5DSPLUSLANG	Slotting tool with carbide tip	250	35

SDS max



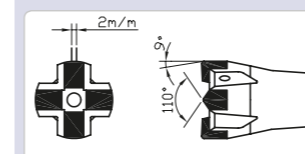
Order number	Description	L (mm) total	B (mm)
CB04001	Moil point	280	-
CB04037	Moil point	360	-
CB04002	Moil point	400	-
CB04003	Moil point	600	-
CB04004	Flat chisel	280	25
CB04005	Flat chisel	400	25
CB04006	Flat chisel	600	25
CB04007	Hollow gouge	300	26
CB04007-33	Hollow gouge	300	33
CB04009	Wide flat chisel	400	50
CB04010	Wide flat chisel	300	80
CB04013	Wide flat chisel	350	115
CB04011	Wide flat chisel, bent	300	50
CB04012	Wide flat chisel, bent	300	80
CBMCOMAX	Slotting tool with carbide tip	280	-
CB914978	Adaptor for floorscraper	450	-
CB100134	Floorscraper	270	150
CB100156	Blade for floorscraper M10	-	150
CB100156-M12	Blade for floorscraper M12	-	150
CBB61040K	Repair kit for floorscraper M10	-	-
CBB61040K-M12	Repair kit for floorscraper M12	-	-

Monobloc-drills shank 14.8 mm Hex x 89 mm combi for hammers - TOKU TH-5S



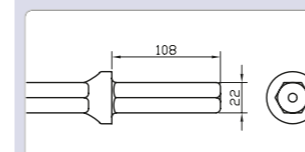
Order number	L (mm) total	Ø (mm)
CB9F25013	330	13
CB9F25014	330	14
CB9F25016	330	16
CB9F25019	330	19
CB9F25022	330	22
CB9F35014	430	14
CB9F35016	430	16
CB9F35019	430	19
CB9F35022	430	22

Drill bit crossheads, Konus II



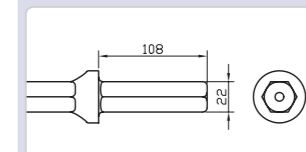
Order number	L (mm) total	Ø (mm)
CB6126300030	-	30
CB6126300032	-	32
CB6126300034	-	34
CB6126300036	-	36
CB6126300038	-	38
CB6126300040	-	40
CB6126300045	-	45
CB6126300050	-	50
CB6126300055	-	55

Drill bars shank 22 mm Hex x 108 mm, Konus II for hammers - TOKU TJ-15LBS / TJ-20LBS



Order number	L (mm) total	Ø (mm)
CB2261510500	500	-
CB2261510800	800	-
CB2261511000	1000	-
CB2261511500	1500	-
CB2261512000	2000	-
CB2261512500	2500	-

Monobloc-drills shank 22 mm Hex x 108 mm for hammers - TOKU TJ-15LBS / TJ-20LBS



Order number	L (mm) total	Ø (mm)
CB2240016	400	16
CB2260016	600	16
CB2240019	400	19
CB2260019	600	19
CB22100019	1.000	19
CB2230022	300	22
CB2240022	400	22
CB2260022	600	22
CB22100022	1.000	22
CB2240025	400	25
CB2260025	600	25
CB22100025	1.000	25
CB2260028	600	28
CB2260030	600	30

NEEDLE SCALERS

NEEDLEHOLDERS

Type	2 mm	3 mm	4 mm
TFC-N200	Y3-06-12-220	Y3-06-12-200*	-
F-25N	-	6203-0829-02-00*	-
RR-0315NS	-	SG-0315NS-25*	-
RR-2110NS	SG-2110NS-24	SG-2110NS-17*	-
RRI-4006	218	217*	-
RRI-4006VL	601.2020	601.2030*	-
RRI-4007	330	314*	353
RRI-4007VL	601.3020	601.3030*	601.3040
RRI-4008	-	414	453*

* Supplied as standard

NUMBER OF NEEDLES

Needle for type	Number 2 mm	Number 3 mm	Number 4 mm
TFC-N200	21	12	-
F-25N	-	19	-
RR-0315NS	-	19	-
RR-2110NS	29	19	-
RRI-4006	51	19	-
RRI-4006VL	51	19	-
RRI-4007	65	28	19
RRI-4007VL	65	28	19
RRI-4008	-	49	35

All needle scalers are supplied as standard with 3 mm needles, except RRI-4008 which is supplied which 4 mm needles.

NEEDLE

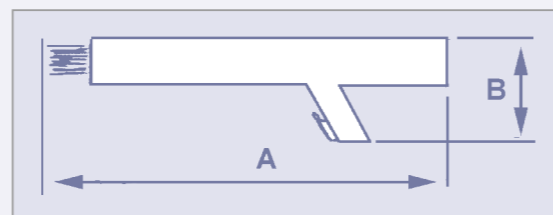
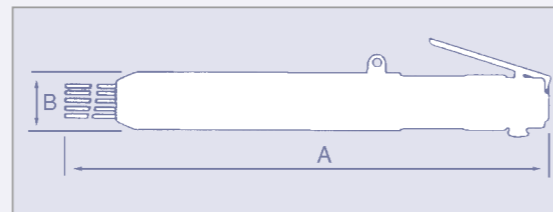
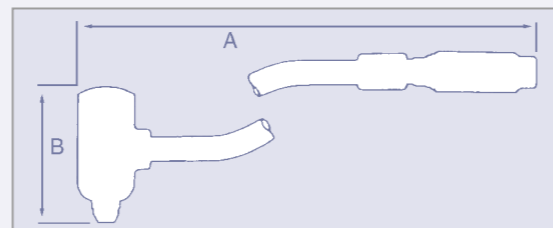
Ø	Model	Order number
2 mm	Blunt, hardened steel	6203-0827-02-01
3 mm	Blunt, hardened steel	6203-0827-03-01*
3 mm	Chisel point, hardened steel	6203-0827-03-02
3 mm	Copper-beryllium	6203-0827-03-03
4 mm	Blunt, hardened steel	6203-0827-04-01

* Supplied as standard

Ø	Type	Order number
3 mm	TFC-N200	Y3-06-12-210

DIMENSIONS

Type	A mm	B mm
YK-2	489	126
F-25N	412	43
RR-0315NS	415	45
RR-2110NS	340	175
RRI-4006	330	48
RRI-4006VL	340	48
RRI-4007	460	57
RRI-4007VL	330	48
RRI-4008	475	66
TFC-N200	273	36



NEEDLE SCALERS

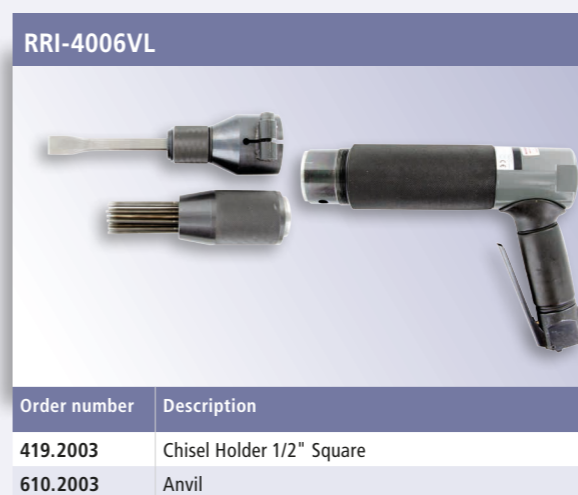
Straight- and pistol models



Type	Brand	Bore diameter mm	Stroke mm	Blows p/min	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
YK-2 ¹⁾	YOKOTA	24	33	8.000	6	2,5	PT 3/8"	6,5	5,6	85
TFC-N200	TOKU	20	10	12.000	4,1	1,2	PT 1/4"	6,5	14,3	91
F-25N	YOKOTA	25	22	4.000	6	2,3	PT 1/4"	6,5	10	78
RR-0315NS	RR	25	32	4.000	6,6	2,6	PT 1/4"	6,5	9,4	93
RR-2110NS	RR	23,5	33	3.000	6,6	2,5	PT 1/4"	6,5	20	96
RRI-4006	RRI	23,5	34	3.000	2,6	2,6	PT 1/4"	6,5	17	90
RRI-4006VL ^{2) 3)}	RRI	23,5	34	2.400	1,9	2,7	PT 1/4"	6,5	2,7	90
RRI-4007	RRI	30,5	30,5	2.500	3,3	4,3	PT 1/4"	6,5	12	91
RRI-4007VL ^{2) 3)}	RRI	34,4	30,5	3.000	2,6	3,4	PT 1/4"	6,5	1,9	95
RRI-4008	RRI	33	35,5	2.100	4,8	5,9	PT 1/4"	6,5	13	90

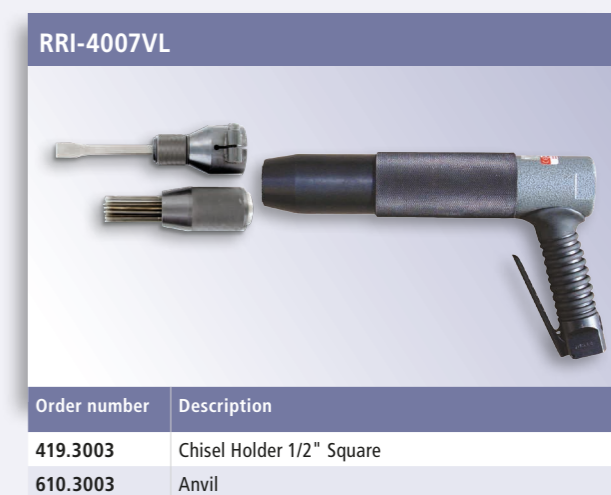
¹⁾ Scaler/scabler / ²⁾ Vibration reduced / ³⁾ Also as air hammer to use, see below

CHISEL HOLDER + ANVIL



Order number	Description
419.2003	Chisel Holder 1/2" Square
610.2003	Anvil

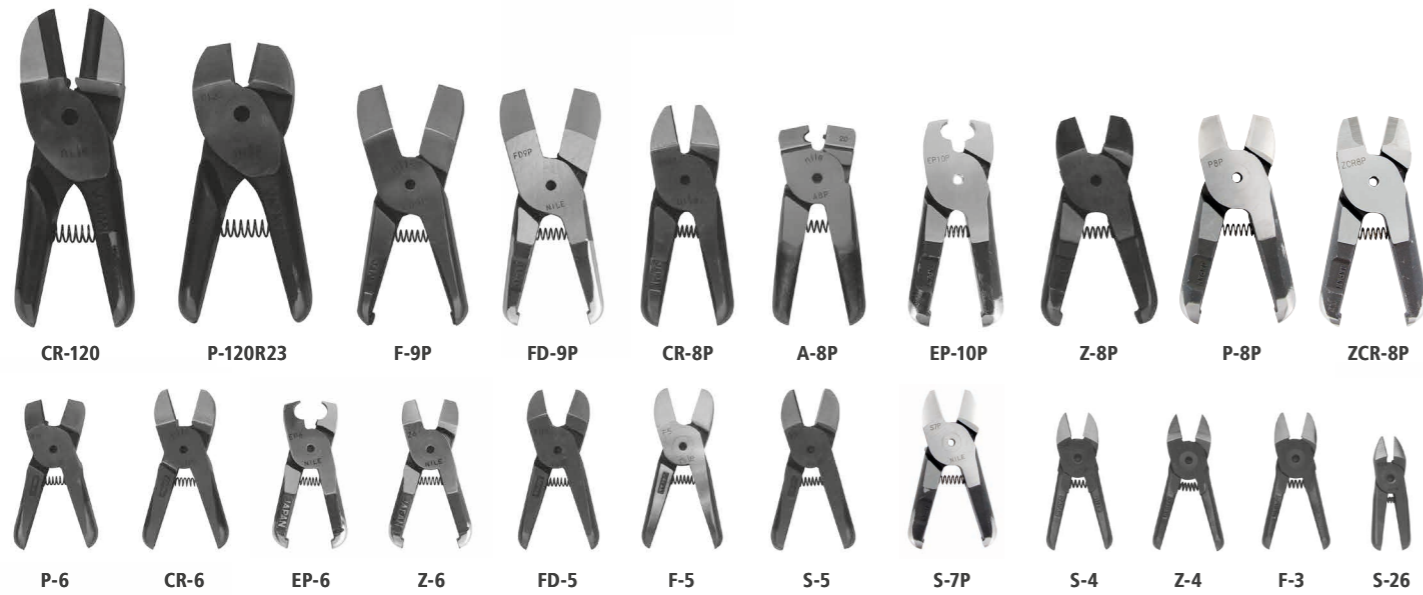
Conversion kits for RRI-4006VL vibration reduced needle scaler.



Order number	Description
419.3003	Chisel Holder 1/2" Square
610.3003	Anvil

Conversion kits for RRI-4007VL vibration reduced needle scaler.

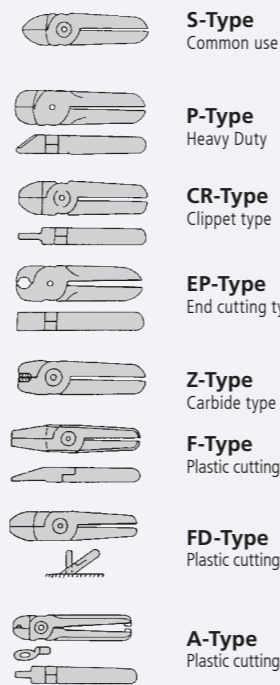
POWER CUTTERS



CUTTING CAPACITY OF THE BLADES

Type	Copper mm	steel FE 370 mm	Piano-wire mm	Plastics mm	Crimping mm	Blade type
RRI-8002	1	0,5	-	-	-	S-26
RRI-8003	1,6 1,6 -	1 1 -	- 0,5 -	- - 4	- - -	S-4 Z-4 F-3
RRI-8004	2,6 2,6 -	2 2 -	- 1 -	- - 7	- - -	P-6, CR-6, EP-6, S-5 Z-6 (carbide tip) F-5, FD-5
RRI-8011	3,3 3,3 - -	2,8 2,8 - -	- 1,2 - -	- - 10 -	- - - 2	P-8P, CR-8P, EP-10P, S-7P Z-8P (carbide tip), ZCR-8P F-9P, FD-9P A-8P, ZCR-8P
RRI-8031	4,8 - -	4 - -	- - -	- 13 -	- - 5,5	P-8P, ZCR-8P, CR-8P, EP-10P, S-7P F-9P, FD-9P A-8P
RRI-8032	7	6	-	-	-	P-120R23, CR-120

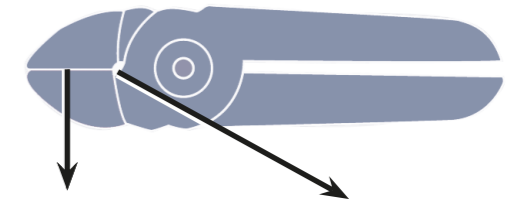
Power cutters are supplied without blade, please order separately from the list above.



POWER CUTTERS

Cutting and pressing

Power cutters for round material have simplified cutting and pressing in mass production. Versatile applications of the power cutter by selection of suitable blades, make it possible to increase production. The working pressure is 4-5 bar. Blades for power cutters are delivered separately.



Caution: Only cut your piece of work in this area of the blade. Do not twist the tool when cutting! Cutting here will cause damage to the blade!



RRI-8002



RRI-8011



RRI-8003



RRI-8031



RRI-8004



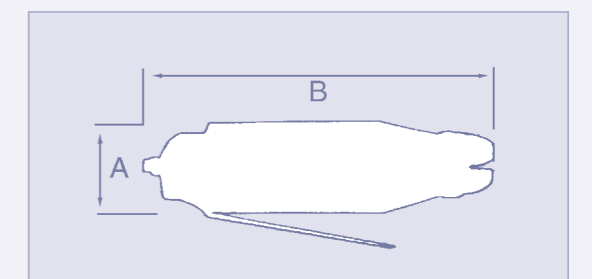
RRI-8032

Type	Brand	Capacity copper mm	Capacity steel* mm	Capacity plastics mm	Capacity crimping mm	Power midway on blade kg	Air cons. l/stroke	Weight kg**	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-8002	RRI	1	0,5	-	-	40	0,064	0,13	PT 1/4"	6,5	0,2	71
RRI-8003	RRI	1,6	1	4	-	60	0,116	0,20	PT 1/4"	6,5	0,4	72
RRI-8004	RRI	2,6	2	7	-	140	0,23	0,34	PT 1/4"	6,5	0,3	73
RRI-8011	RRI	3,3	2,8	10	2	280	0,584	0,52	PT 1/4"	6,5	1	76
RRI-8031	RRI	4,8	4	13	5,5	450	0,956	0,83	PT 1/4"	6,5	1	75
RRI-8032	RRI	7	6	-	-	790	2,7	2	PT 1/4"	6,5	1,5	78

* Steel FE 370 / **Without blades (power cutters are supplied without blade, see for cutters and the choice of the blades p. 52)

DIMENSIONS

Type	A mm	B mm
RRI-8002	30	104
RRI-8003	36	124
RRI-8004	45	156
RRI-8011	56	192
RRI-8031	56	280
RRI-8032	75	390





Sawblades for the RRJ-8205

Description	Order number	Teeth
5-pack sawblades length: 140 mm	8205-518-00 8205-524-00	18-teeth 24-teeth



Sawblades for the RRJ-8210

Description	Order number	Teeth
5-pack sawblades: 74 mm	31418-5	18 teeth/inch St37, V2A, wood, plastics, metal plate up to 2,5 mm
5-pack sawblades: 74 mm	31442-5	24 teeth/inch St37, V2A, aluminium, metal plate up to 2 mm
5-pack sawblades: 74 mm	31432-5	32 teeth/inch, St37, V2A, aluminium, metal plate up to 1 mm
Files	8210-501-00	5 mm, square
5 mm	8210-502-00	5 mm, round
length: 74 mm	8210-503-00	5 mm, half-round
	8210-504-00	5 mm, triangle



Sawblade and chain for the RRI-8560

Description	Order number	Brand
Sawblade	140SPET041 DZ	Oregon
Chain	91VLX	Oregon

Sawblade and chain for the RRI-8550*

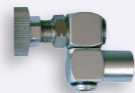
Description	Order number	Brand
Sawblade	140SPEA041	Sandvik
Chain	91VG-52E	Sandvik

* The RRI-8550 is no longer available.



Pipe clamps & sawblades for the RRI-8460

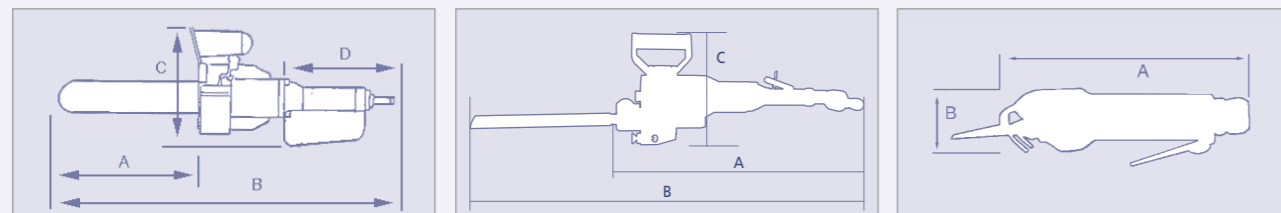
Description	Order number	Dimensions	Teeth
Pipe clamp	8460-200-00 8460-201-01 8460-205-00	6" 12" 20"	
Extension chain	8460-201-50		
HSS-sawblades	Z22-10 Z22-6 Z22-7 Z22-72 Z22-73 Z22-75 Z22-31 Z22-30 Z22-37 Z22-9 Z22-29 Z22-74	200 x 25 x 1,5 300 x 25 x 1,5 400 x 25 x 1,5 500 x 28 x 2 600 x 28 x 2 770 x 28 x 2 300 x 25 x 1,5 530 x 28 x 1,5 940 x 32 x 2 200 x 25 x 1,5 400 x 25 x 1,5 600 x 28 x 2	22 teeth/inch 16 teeth/inch 16 teeth/inch 14 teeth/inch 14 teeth/inch 12 teeth/inch 12 teeth/inch 12 teeth/inch 12 teeth/inch 8 teeth/inch 8 teeth/inch 8 teeth/inch
HSS-sawblade	Z22CT-06	300 x 25 x 2	16 teeth/inch
Sawblades tungsten carbide coating	ZCT-72 ZCT-73	500 x 32 x 2,5 600 x 32 x 2,5	- -



Swivel Joint voor de RRJ-8205 & RRJ-8210

Description	Order number
Universal Swivel Joint 1/4"	922A18

Type	A mm	B mm	C mm	D mm
RRJ-8205	367	65	-	-
RRJ-8210	365	80	-	-
RRI-8460	460	537	240	-
RRI-8560	340	650	20	200



Reciprocating saws



RRJ-8205



RRJ-8210

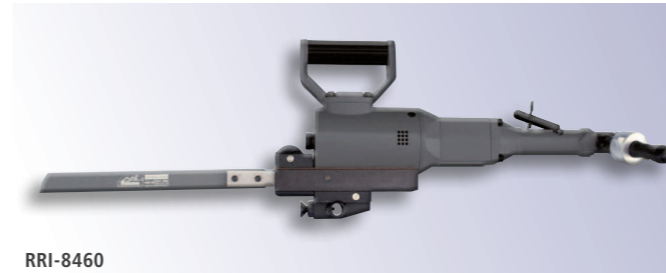
Type	Brand	Capacity steel mm	Capacity aluminium mm	Strokes min ⁻¹	Stroke mm	Power kW	Air cons l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRJ-8205*	RR	10	12	5.000	25	0,25	2,8	0,96	PT 1/4"	6,5	3,5	79
RRJ-8210*	RR	3,1	3,9	9.500	10	0,25	2,8	0,51	PT 1/4"	6,5	3,5	78

*Standaard in set. Zaagbladen en roterende koppeling meegeleverd. | Toebehoren voor zagen op pag.54

Characteristics:

- Vibration reduced and lightweight.
- Both tools are delivered with a swivel joint that allows the tool to move very flexible despite the air-hose.
- The sawing tools are delivered in a blow molded case, including an assortment of saw-blades.
- The RRJ-8210 has a full composite body; the RRJ-8205 has a plastic layer over its housing, offering good thermal isolation.
- For thin (sheet-) material, the RRJ-8210 is the best choice of tool, whilst the RRJ-8205 is better for heavier sawing-jobs.
- Files in different shapes, sawblades and other accessories are available on request.

Pipe saw



RRI-8460



This pipesaw of RED ROOSTER is intended for heavy industrial use. Always use the tube spanner and chain for fixation of the tool!

Type	Brand	Capacity steel Ø mm	Strokes p/min	Stroke mm	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-8460	RRI	45-530	300	65	1,1	20	8	BSP 3/4"	19	1,7	82

Accessories for saws on page 54

Chain saw



RRI-8560



Type	Brand	Length sawblade inch	Max capacity mm	RPM ¹	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-8560	RRI	14"	340	18.000	1,5	50	7,6	BSP 3/4"	19	< 2,5 m/s ²	98

Accessories for saws on page 54

RED ROOSTER AIR CHAIN HOISTS & TROLLEYS (0,125 - 100 TONNE)



PNEUMATIC HOISTS

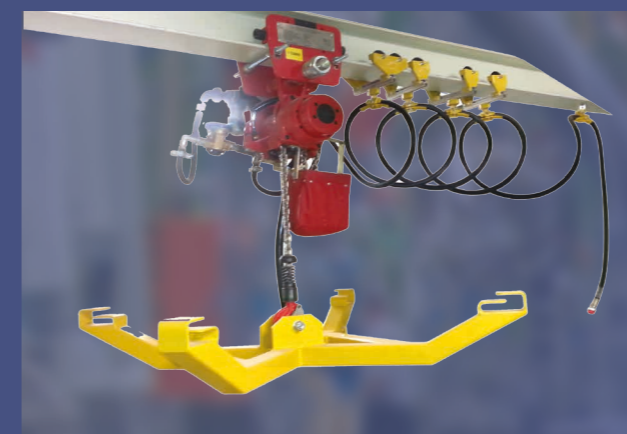
With the RED ROOSTER Air Hoists we specialise in the sale, rental and repair of air powered hoists, trolleys and winches. Our pneumatic hoists with safe working loads ranging from 125kg to 100 tonne are conform with the EC Machinery Directive and the European Standard for hoists BS EN 14492-2. All of our hoist parts are manufactured in either Japan or Europe, controlled under the ISO 9001: 2008 quality control system.

The RED ROOSTER TMM, TCR, TCS, TNC and TMH series pneumatic hoists offer a comprehensive range of hoists suited for all types of industrial and marine environments. For use in areas where there is a risk of explosion due to flammable gases or dust, we can offer a range of ATEX classifications to suit your requirements. With safety the number one priority, RED ROOSTER hoists have been used and tested for the past 25 years. Where engineers and operators require a hoist fit for purpose, easily controlled and maintained, with readily available spare parts, you'll find RED ROOSTER hoists. We have the perfect lifting solution for where the duty is high, or where a robust hoist is required to withstand harsh conditions. As standard, RED ROOSTER hoists are able to work within a temperature range of -10°C to +70°C, with some slight modifications suitable to use at -20°C.

FEATURES

- TOKU high quality vane motor and planetary, gearbox with long life grease
- Overload protection
- High strength cast steel housing for durability
- Compact and lightweight for easy handling
- Extended duty cycles and frequent reversals
- Variable speed for raising and lowering accurately
- Alloy steel hooks with safety catches (Bottom hook fitted with thrust bearing for easy operation)
- Adjustable load limiter (Not for TMM, TCR Mini or TCS)
- Failsafe automatic disk brake (fully enclosed) ensures the load cannot fall if power is lost
- Emergency stop
- Mechanical upper and lower hoist limits
- Lifting heights to meet your need
- Choice of cord, pendant control or control systems
- Low noise level down to 80 dB (Silencer and filter easily changed)
- Low air consumption (TCR and TMH model)
- Air pressure from 4,5 to 6 Bar (7 Bar maximum)
- Durable in harsh environments
- Self cooling air motor with the exhaust over the motor
- Low maintenance
- Easily available spares at the right conditions
- Hoist body manufactured in Japan, all other parts in Europe
- High quality calibrated load chain of European/Japanese manufacture with 5:1 FOS
- High speed (TCS model)
- Ex classification to EC directive 94/9/EC (ATEX models)
- Various paint specifications and colours

OPTIONAL FEATURES



- (Ultra) and low headroom
- Marine Specification/Corrosion resistant
- Paint systems from C2 - Industrial to C5 - Offshore specification (Red finish as standard. Other RAL colours available on request)
- Choice of pendants/control systems
- Radio control pendant for electro pneumatic controls
- Chain collectors (PVC, galvanised or stainless steel)
- Various types of hook or clevis available
- Air supply systems and valves
- Piped away exhaust air
- In house design for "specials"
- Festoon systems
- Main air shut off valve



PNEUMATIC TROLLEYS

The RED ROOSTER range of trolleys is designed to match our range of pneumatic hoists, with capacities from 250 kg to 50 tonne, but they are easily adapted to be used with other manufacturers hoists. The trolleys are designed to work on a wide range of beam sizes and beam types, with parallel or tapered flanges. The trolley can either have a lifting lug to hook in the hoist or be built in using a link plate. The versatile design and interchangeable parts can be used on a range of geared, low headroom, articulated and overhead crane units.

ATEX

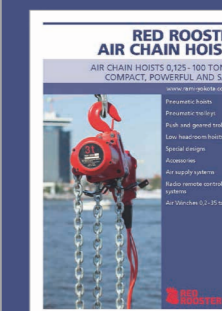


The RED ROOSTER Spark Resistant Air chain Hoists are very suitable to be used in explosion dangerous areas because air does not generate sparks (on the contrary to electricity). RED ROOSTER Spark Resistant Air chain Hoists are very economical, and supplied at very competitive prices.

All standard RED ROOSTER pneumatic hoists and trolleys from 250 kg to 100 tonne can be certified for use in II 3 GD c IIA T4¹⁾ area and with additional protection built into the hoist they can be certified for II 2 GD c IIB T4²⁾ & II 2 GD c IIC T4²⁾ area.

¹⁾ Formerly known as zone 2 & 22
²⁾ Formerly known as zone 1 & 21

BROCHURE RED ROOSTER AIR CHAIN HOISTS



For a complete overview of the RED ROOSTER Air Chain Hoists & Trolleys ask for the special brochure RED ROOSTER AIR CHAIN HOISTS or visit our website: www.rami-yokta.com

RED ROOSTER AIR CHAIN HOISTS

RED ROOSTER AIR CHAIN HOISTS

Compact hoists for "Material-Handling"

The RED ROOSTER compact hoists are suitable for "material-handling". The pendant control is direct on the lower hook, so the operator can control and position the load easily and direct. The perfect solution for horizontal movements is the combination with a push trolley.

Mini air chain hoists light, strong & compact

The RED ROOSTER mini air chain hoists are besides industrial use also very suitable for "material handling". Due to the low weight are these hoists very suitable for service applications

TCS Air Chain Hoists with high speed

These series RED ROOSTER Air Chain Hoists are especially developed for the "Material Handling Industry" for example: warehousing, packaging etc. These hoists have very high lifting and lowering speed and are therefore also very suitable for applications with long lifting heights.

Air Chain Hoists TCR series 0,25 - 6 tonnes

These RED ROOSTER Air Chain Hoists are especially developed for heavy industrial use. Robust cast steel body. Valveblock same for all models, less spare parts. Standard with load limiter.

TMH-Series: Air Chain Hoists: 3 - 6 Tonnen

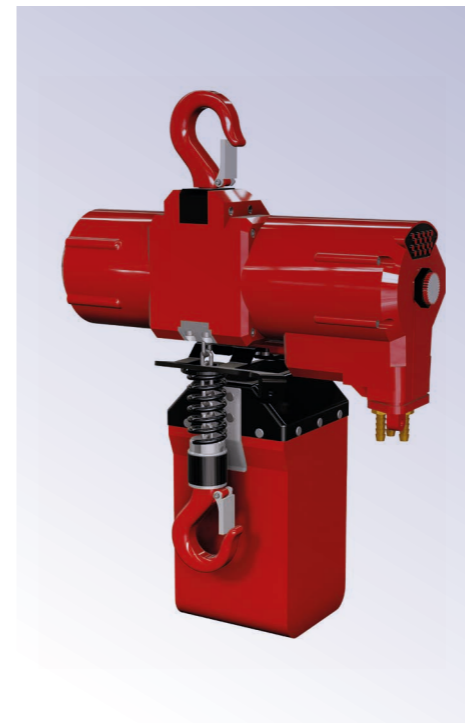
The NEW RED ROOSTER TMH series air chain hoists has the highest lifting speed with the lowest headroom on the hoist market.



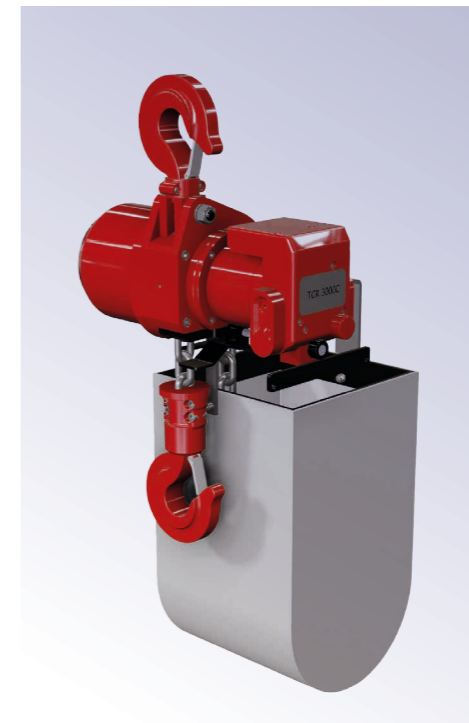
TMM-140AE



TCR-250ME



TCS-500



TCR-3000



TMH-3000

Type	Capacity t	Lifting speed full load m/min	Lowering speed full load m/min	Lifting speed without load m/min	Lowering speed without load m/min	Number of chain falls	Air consumption full load l/s	Inlet thread	Hose diameter mm	Weight kg incl. 3 m lift	Load limiter	Air trolley	4-button control with emergency stop (VTP-4E)	Chain size mm	Chain weight kg/m	Chain bag/chain bucket	SMC air treatment unit (+)
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COMPACT HOIST FOR - "MATERIAL-HANDLING"

TMM-140AE	0,14	11	15	15	11	1 (wire-rope)	8	PT 3/8"	13	9	-	+	-	-	-	-	AC30-F03DM-8-B
TCR-250ME	0,25	8	16	19	13	1	11,7	PT 3/8"	13	11	-	+	-	4x12RTS	0,35	+	AC30-F03DM-8-B

RED ROOSTER MINI AIR CHAIN HOISTS

TCR-125C	0,125	14	16	19	13	1	11,7	PT 3/8"	13	7	-	+	+	4x12RTS	0,35	+	AC30-F03DM-8-B
TCR-125DPE	0,125	12,8	14,8	17,2	13	1	11,7	PT 3/8"	-	8,6	-	+	+	4x12RTS	0,35	+	AC30-F03DM-8-B
TCR-250C	0,25	9,3	17	19	13	1	11,7	PT 3/8"	13	7	-	+	+	4x12RTS	0,35	+	AC30-F03DM-8-B
TCR-250DPE	0,25	8,1	15,9	17,2	13	1	11,7	PT 3/8"	13	8,6	-	+	+	4x12RTS	0,35	+	AC30-F03DM-8-B
TCR-500C2	0,5	4,5	8,5	9,5	6,5	2	11,7	PT 3/8"	13	8,5	-	+	+	4x12RTS	0,35	+	AC30-F03DM-8-B
TCR-500DP2	0,5	4,5	8,5	9,5	6,5	2	11,7	PT 3/8"	13	8,5	-	+	+	4x12RTS	0,35	+	AC30-F03DM-8-B

TCS AIR CHAIN HOISTS HIGH SPEED

TCS-500 C/PE	0,5	17	43	33	19	1	33	PT 1/2"	13	15,9	-	+	+	6,3x19,1	0,9	+	AC40-F04DM-8-B
TCS-980 C2/P2E	0,99	8,5	21,5	16,5	9,5	2	33	PT 1/2"	13	16,8	-	+	+	6,3x19,1	0,9	+	AC40-F04DM-8-B

RED ROOSTER AIR CHAIN HOISTS TCR SERIES 0,25 - 6 TONNES

TCR-600250 C/PE	0,25	10,5	17,9	20,5	13,4	1	25	PT 1/2"	13	31	*	+	+	6,3x19,1	0,9	+	AC40-F04DM-8-B
TCR-500 C/PE	0,5	10,5	17,9	20,5	13,4	1	25	PT 1/2"	13	31	*	+	+	6,3x19,1	0,9	+	AC40-F04DM-8-B
TCR-1000 C2/P2E	1	5,3	9	10,3	6,7	2	25	PT 1/2"	13	34	*	+	+	6,3x19,1	0,9	+	AC40-F04DM-8-B
TCR-1000 C/PE	1	6	10,3	11,3	6,8	1	25	PT 1/2"	13	35	*	+	+	7,1x21	1,1	+	AC40-F04DM-8-B
TCR-2000 C2/P2E	2	3	5,2	5,7	3,4	2	25	PT 1/2"	13	40	*	+	+	7,1x21	1,1	+	AC40-F04DM-8-B
TCR-3000 C/PE	3	2,8	4,6	5,4	3,3	1	33	PT 1/2"	19	69	*	+	+	11,2x34	2,2	+	AC40-F04DM-8-B
TCR-6000 C2/P2E	6	1,4	2,3	2,7	1,7	2	33	PT 1/2"	19	90	*	+	+	11,2x34	2,2	+	AC40-F04DM-8-B

NEW RED ROOSTER TMH SERIES AIR CHAIN HOISTS: "THE HIGHEST LIFTING SPEED WITH THE LOWEST HEADROOM ON THE HOIST MARKET"

TMH-3000 C/PE	3	5,2	10,2	10,8	7	1	68	3/4" BSP	3/4"	99	*	+	+	13x36	0,9	+	AC60-F10DM-8-B
TMH-6000 C/PE	6	2,8	5,1	5,4	3,6	2	68	3/4" BSP	3/4"	103	*	+	+	13x36	0,9	+	AC60-F10DM-8-B

Technical specifications at 0,63 MPa (dynamic airpressure at 6,3 Bar)

* = standard integrated / + = optional / - = not available

OFFSHORE AND INDUSTRIAL AIR PUMPS

SUMP- AND BARRELPUMPS



The YOKOTA YP pumps are high quality sump pumps for use on board of ships. The pumps are made of bronze and especially suitable to use in acid environments. The YOKOTA barrelpump YPP-1 is developed to pump liquids from barrels, such as fuel, oil, water or chemicals.

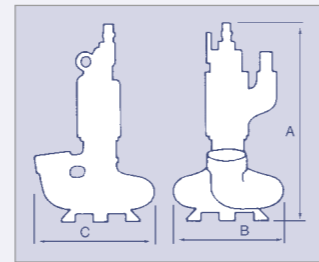
Type	Brand	Description	Max. capacity	Max. capacity m	Air-cons. l/s	Weight kg	Air hose Ø mm	Outlet hose Ø mm	Air return hose Ø mm
YPP-1*	YOKOTA	Piston pump	65 l/min	40	7,5	8,8	10	19	-
YP-18	YOKOTA	Bronze sump pump	55 t/h	25	33	19	19	65	25
YP-35	YOKOTA	Bronze sump pump	80 t/h	41	73	32	25	65	38

* YPP-1: Connection thread PT 1 1/2" / Inlet thread PT 1/4" / Outlet thread PT 3/4"

DIMENSIONS

Type	A mm	B mm	C mm	-
YPP-1	606	68	-	-
YP-18	525	189	250	-
YP-35	550	270	320	-

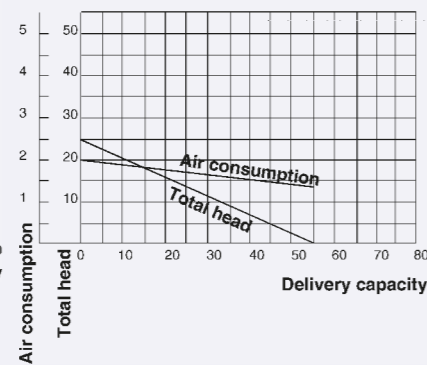
Option
Teflon-packings/seals for de YPP-1
7003-1009-11-11 8010-0315-11-11
7003-1014-11-11 9010-1026-11-11



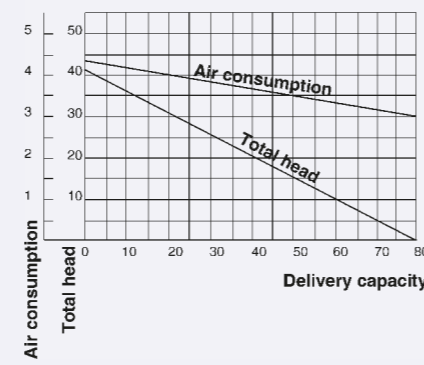
Performance curve YPP-1



Performance curve YP-18



Performance curve YP-35



Type YPP-1 has been developed for pumping liquids from drums. The pump fits on standard oil-drums with a normal 1/2" pipe thread opening. The models YP-18 and YP-35 are made of bronze and are suitable to pump aggressive liquids and acids.

ASSEMBLY TOOLS

TIP DRESSERS

Everybody has the problem of worn tips when working with spotwelding machines. They produce either poor welds or no welds at all. It reflects the quality and productivity of your work. Of course you can replace the worn tips for new ones. It might be a better idea to recondition the worn tips by means of YOKOTA tip dressers.

Dressing can be done by the worker by hand (YNR-type) or the tip dressers are integrated into the cycles of a spotwelding robot and programmed according to your own needs and wishes (TDN-type). The YOKOTA tip dressers do not only clean the surface, but also the original shapes and edges of the tips are restored.

HOG RINGERS

The YOKOTA hog ringers are used for the assembly of carseats, chairs, beds, fencing etc. This tool is used to fix the cushion material or the leather material on the seatframe with hog rings.

DOWEL PIN PULLERS FOR MATRIX, CASTING AND PRESS-MOULDING

The YOKOTA dowel pin puller is used in matrix, casting and press-moulding industries, for setting and removing dowel pins in moulds or presses. The dowel pin puller is an easily operated air tool that simplifies the pulling or hammering operation of threaded dowel pins, saving time and improving working efficiency.

TAILOR MADE FOR THE ASSEMBLY INDUSTRY

Tools adapted to your needs.

TIP DRESSERS & HOG RINGERS

Tip dressers & Hog ringers



YNR-8F

YNR-33L

Tip Dressers

Type	Brand	Tip capacity mm	RPM	Rotation L/R	Max. jaw capacity kg	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
YNR-8F*	YOKOTA	16	1.400	right	-	6,7	1,2	PT 1/4"	9,5	-	-
TDN-5D	YOKOTA	24	320	right	50	11,7	2,9	PT 3/8"	9,5	-	83
TDN-6	YOKOTA	24	320	left/right	170 / 650	15,8	6,5	PT 3/8"	13	-	84

* Hand model

Blades for tip dressers are separately available and will be custom made on tip specifications. On request we can supply you with detailed information.

Hog Ringers

Type	Brand	Max. number of rings	Ring size mm	Trigger-pressure kg	Stroke trigger mm	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
YHR-33	YOKOTA	120	8	0,6	7	0,8	1,5	PT 1/4"	6	1,66	79
YHR-33L*	YOKOTA	120	8	0,6	7	0,8	1,5	PT 1/4"	6	1,66	79

* Extended nose

FUNCTIONING OF THE YHR-33(L)

Pull the trigger and caulk. The work is completed when releasing the trigger.

Push down

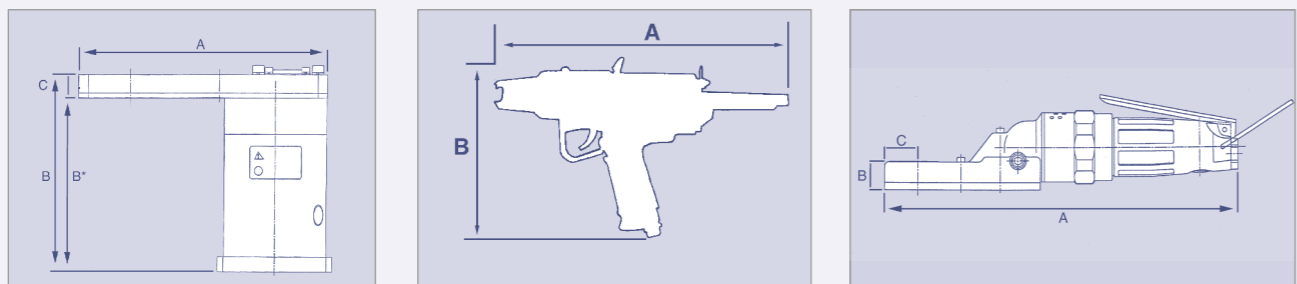
Stretch of seat

C-Ring
 $\phi 1,8$ 23,8 $\phi 1,6$ 3,8
 60 Stk./Set

YHR-33/33L
 Dimensions after caulking

DIMENSIONS

Type	A mm	B mm	B* mm	C mm
YNR-8F	257	19,5	-	24
TDN-6	217	161	142	19
YHR-33	346	188	-	-
YHR-33L	361	188	-	-



DOWELL PIN PULLERS

For matrix, casting and press-moulding



YDP-13



YDP-20

The YOKOTA dowel pin puller is used in matrix, casting and press-moulding industries, for setting and removing dowel pins in moulds or presses. The dowel pin puller is an easily operated air tool that simplifies the pulling or hammering operation of threaded dowel pins, saving time and improving working efficiency.

Type	Brand	Capacity pin mm	Stroke mm	Blows min ⁻¹	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm
YDP-13	YOKOTA	13	30 x 25	5.000	3,3	1,35	PT 1/4"	6,5
YDP-20	YOKOTA	20	36 x 33	2.700	4,3	2,10	PT 1/4"	6,5

PULLING & HAMMERING OPERATION

Pulling operation

1. Screw hanger bolt to threaded pin.
2. Fit dowel pin to guide hole.
3. Lock hanger bolt.
4. Operate the tool to pull up the pin.

Hammering operation

1. Screw hanger bolt to threaded pin.
2. Fit dowel pin to guide hole.
3. Place the tool reversed on dowel pin.
4. Operate the tool to hammer dowel pin.

Pull it out

Hammering in

ACCESSORIES

Hanger bolts for YDP-13	Order number	Hanger bolts for YDP-20	Order number
M8 x 29L	6502-0022-00-01	M12 x 36L	6503-0022-00-01
M6 x 23L	6502-0022-00-02	M10 x 33L	6503-0022-00-02
M5 x 21L	6502-0022-00-03	M8 x 32L	6503-0022-00-03
M4 x 21L	6502-0022-00-04	M8 x 100L	6503-0022-00-04
M8 x 50L	6502-0022-00-05	M8 x 150L	6503-0022-00-05
M8 x 100L	6502-0022-00-06	M8 x 200L	6503-0022-00-06
M8 x 150L	6502-0022-00-07	M10 x 100L	6503-0022-00-07
M8 x 200L	6502-0022-00-08	M10 x 150L	6503-0022-00-08
M6 x 50L	6502-0022-00-09	M10 x 200L	6503-0022-00-09
M6 x 100L	6502-0022-00-10	M12 x 100L	6503-0022-00-10
M6 x 150L	6502-0022-00-11	M12 x 150L	6503-0022-00-11
M6 x 200L	6502-0022-00-12	M12 x 200L	6503-0022-00-12
M5 x 50L	6502-0022-00-13	M8 x 50L	6503-0022-00-13
M5 x 100L	6502-0022-00-14	M10 x 50L	6503-0022-00-14
M5 x 150L	6502-0022-00-15	M12 x 50L	6503-0022-00-15
M5 x 200L	6502-0022-00-16	M6 x 50L	6503-0022-00-16
M4 x 50L	6502-0022-00-17		
M4 x 100L	6502-0022-00-18		
M4 x 150L	6502-0022-00-19		
M4 x 200L	6502-0022-00-20		

L = Length
 * Supplied as standard



DIMENSIONS

Type	A mm	B mm
YDP-13	162	75
YDP-20	195	82

Please inform us about your specific application needs, so we can make you a suitable proposal. On this page some examples of our possibilities.



YEX-150S
with crowfoot



Y-70E
with crowfoot



YSA-4T-X1
Hub nut cimping tool



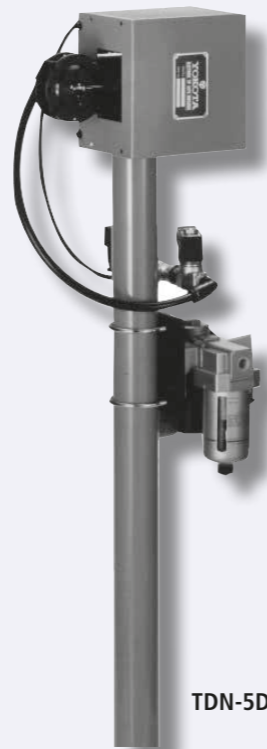
Y-61
with crowfoot



Y-61
with crowfoot

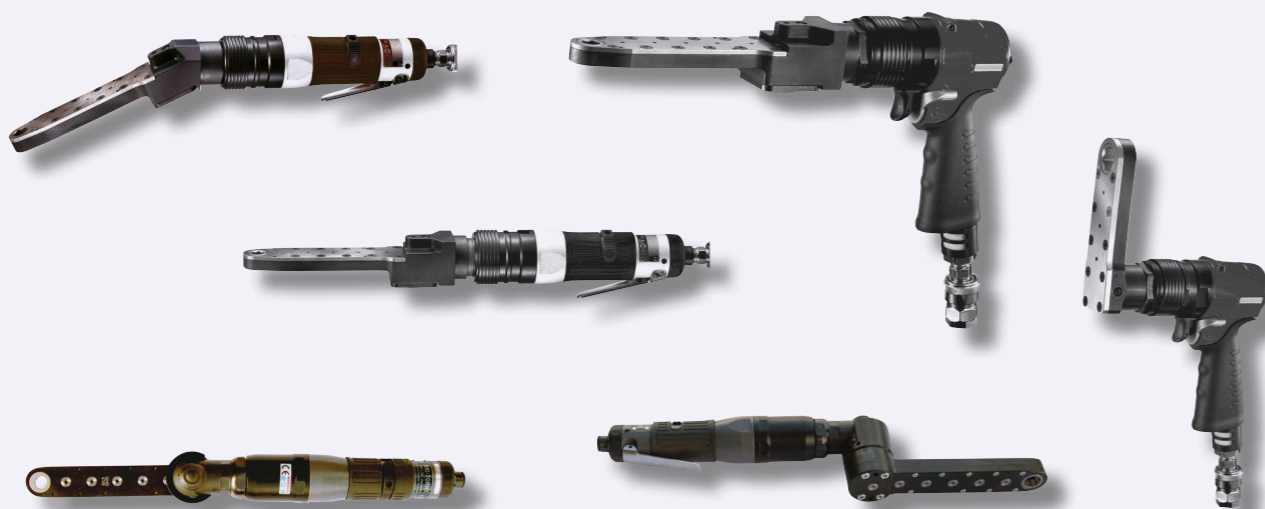


YED-240S
with crowfoot



TDN-5D

Examples of customized RED ROOSTER impulse wrenches



IN EVERY WORKSHOP

These airtools should be available in every workshop. The engraving pen helps you to mark your (hand-)tools and produce type. Blow guns can be supplied in a simple RED ROOSTER variant or in a SMC model which will save you air and thus money.

MULTI-CUTTER

The RED ROOSTER multi-cutter RR-476 is a true multi-talent. Sawing, sanding and cutting with only one tool.

RIVETERS

The RED ROOSTER riveters work with the most usual sizes of rivets. If the current handtools for the rivets are a burden for your employees, use the RED ROOSTER air-riveter.

(SPRING)BALANCERS

In order to support the weight of pneumatic, hydraulic and electric tools, the use of a spring balancer should be considered. The performance of the tools will be speeded up due to good balance and reduced operator fatigue, when using a spring balancer.

Applications:

- When heavy tools/machines have to be portable.
- Fitting of centre lathe chuck.
- Transportation of parts in a production line.

The models ELF and TW from TW-9 upwards have a safety mechanism which starts working in case of spring breakage.

POLYURETHANE AIR HOSES

No kinks after bending!

The hose stretches easily and retracts automatically. This increases productivity and safety.

KOMBI-KIT

The combi-kit is a tool carrier complete with SMC filter/regulator/lubrcatr unit 3/8" type AC30-F03E + pressure gauge.

LUBRICATING OIL

ATLUB is the perfect lubricant especially developed to meet te lubrication requirements of pneumatic tools.

RED ROOSTER Multi-cutter

Typ RR-476 can be used as saw (with sawblade), for cutting urethane-bonded windows (with various blades) and as a sander (with triangle sanding pad).



Type	Brand	Sawing capacity mm	Movements p/min	Air cons. l/stroke	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RR-476	RR	1	0 - 22.000	6,5	1,1	PT 1/4"	6,5	2,6	90

ACCESSORIES

Order number	Type	Dimension
475L16	639-03-122-011	16 mm
475LR16	639-03-099-010	16 mm
475L23	639-03-173-010	23 mm
475L25	639-03-124-013	25 mm
475L27	639-03-174-018	27 mm
475L45	639-03-168-018	45 mm
475LR46	639-03-179-011	46 mm
475LR54	639-03-160-015	54 mm
475LR58	639-03-097-018	58 mm
475L55	639-03-123-015	55/32 mm
475L80	639-03-171-013	80/70 mm
475L85	639-03-081-013	85/60 mm
475L85-1	639-03-125-017	85/70 mm
475L110	639-03-194-016	110 mm

Order number	Type	Dimension
475VZ14	639-03-120-019	14 mm
475VZ35	639-03-103-017	35 mm
475VZ35-1	639-03-103-015	35 mm
475VZ35-2	639-03-103-018	35 mm
475VZ35-3	639-03-164-019	35 mm
475VZ35-4	639-03-172-016	35 mm

Order number	Type	Dimension
475M12	639-03-129-050	12 mm
475M13	639-03-113-016	13 mm
475M17	639-03-144-011	17 mm
475M18-1	639-03-146-018	18 mm
475M25	639-03-105-019	25 mm
475M25-1	639-03-131-017	25 mm

Order number	Type	Dimension
475N10	639-03-132-010	-

Order number	Type	Dimension
475X19	639-03-208-010	19 mm
475X24	639-03-153-012	24 mm
475X25	639-03-207-012	25,4 mm

Order number	Type	Dimension
475G26	639-03-121-018	56/26 mm
475G35	639-03-073-011	56/35 mm
475G40	639-03-176-015	74/40 mm

Order number	Type	Dimension
475KR11*	639-03-189-010	11 mm
475KR16-1	639-03-133-014	16 mm
475KR16/35	639-03-143-013	16/35 mm
475KR18/39	639-03-170-014	18/39 mm
475KR20/35	639-03-189-015	20/35 mm
475KR32/46	639-03-195-010	32/46 mm
475KR39	639-03-152-018	39 mm
475KR42/60	639-03-182-015	42/60 mm
475K45	639-03-072-017	45 mm
475KR60/76	639-03-169-012	60/72 mm

Order number	Type	Dimension
475U10	639-03-083-010	10 mm
475U16-2	639-03-108-014	16 mm
475U18	639-03-087-019	18 mm
475U18-1	639-03-127-014	18 mm
475U19	639-03-118-013	19,5 mm
475U22	639-03-115-018	22 mm
475U24	639-03-076-016	24 mm
475U28	639-03-163-011	28 mm
475U32-2	639-03-191-011	32 mm
475U32	639-03-114-014	32 mm
475U32-1	639-03-147-012	32 mm
475U36	639-03-079-012	36 mm
475U40	639-03-110-010	40 mm
475U40-1	639-03-156-017	40 mm
475U45	639-03-154-010	45 mm
475U52	639-03-153-012	52 mm
475U60	639-03-101-010	60 mm
475U60-2	639-03-107-016	60 mm
475U60-3	639-03-157-011	60 mm
475U70	639-03-155-014	70 mm
475U95	639-03-111-019	95 mm

Type	Order number	Typ	Dimension
Sawblade	475101	635-02-102-016	Ø 63 mm - steel 1 mm
Sawblade	475801	635-02-103-010	Ø 80 mm - HSS
Sanding pad	475380	637-17-083-043	Grain 80
Sanding pad	4753150	637-17-087-042	Grain 150
Sanding pad	4753240	637-17-090-046	Grain 240
Sanding pad	476/TP	-	Triangle



Riveters

Type	Brand	Traction kg	Capacity rivets diameter	Air cons. l/stroke	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-4010	RRI	900	until 4,8	1,15	1,5	PT 1/4"	6	1,5	76
RRI-4011	RRI	1.045	until 6,4	1,80	2	PT 1/4"	6	0,4	76

Engraving pen

Type	Brand	Needle diameter mm	Strokes p/min	Air cons. l/sec	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-9010	RRI	1,7	36.000	0,5	0,25	R 1/4"	4	0,7	62

Caulking gun

Type	Brand	Tube Ø x mm	Working pressure bar	Air cons. l/sec	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRP-203	RR	50 x 215	2-4	-	1,1	PT 1/4"	6,5	-	-

Blow guns

Type	Brand	Air cons. l/sec	Weight kg	Inlet-thread	Hose diameter mm
RRI-21930	RRI	5	0,2	PT 1/4"	6,5
VMG11W-F02	SMC	1-6 *	0,2	PT 1/4"	6,5

* Depending on nozzle size, to be ordered separately, see below.

ACCESSORIES

For RRI-4010		
Accessory	Order number	
Nose piece 3,2 mm	10416-1	*
Nose piece 4,0 mm	10416-2	*
Nose piece 4,8 mm	10416-3	*
Bottle for spent rivets	10448	*
Wrench	10447	*

* Supplied as standard

For RRI-4011		
Accessory	Order number	
Nose piece 2,4 mm	14463	*
Nose piece 3,2 mm	14464	*
Nose piece 4,0 mm	14465	*
Nose piece 4,8 mm	14466	*
Nose piece 6,4 mm	14468	*
Nose piece 4,8 mm T-Rivet	612716	*
Female inlet body	922A18	*
Rivet deflector	14470	*
Multi-wrench A	612904	*
Set key B	918905	*
Rubber boot	14453	*

* Supplied as standard

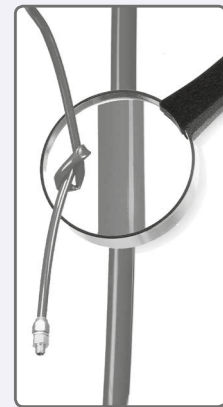
For RRI-9010		
Accessory	Order number	
Engraving needle, fine	2-01-011-90	*
Engraving needle, medium	2-01-011-91	*
Engraving needle, coarse	2-01-011-92	*

* Supplied as standard

For VMG11WF02		
Accessory	Order number	
Nozzle Ø 1 mm	KN-R02-100	
Nozzle Ø 1,5 mm	KN-R02-150	
Nozzle Ø 2 mm	KN-R02-200	
Mondstuk Ø 2,5 mm	KN-R02-250	

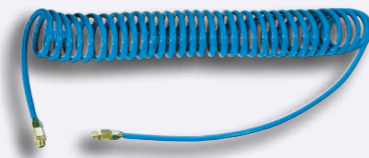
Polyurethane spiral air hoses

Type	Brand	Working length m	Total length m	Inside diameter mm	Outside diameter mm	Joint connection
PT-02510SJ	RR	2	2,5	6,5	9,5	1/4"
PT-02525SJ	RR	4	5	6,5	9,5	1/4"
PT-02550SJ	RR	9	10	6,5	9,5	1/4"
PT-03525SJ	RR	4	5	8	12	1/4"
PT-03550SJ	RR	9	10	8	12	1/4"
PT-04525SJ	RR	4,2	4,7	9,5	13,5	3/8"
PT-04550SJ	RR	9	10	9,5	13,5	3/8"



Features

- Both ends executed with universal swivel-joints
- Provided with straight ends of 10 and 50 cm
- Increased flexibility, no kinks after bending
- Max. pressure 8 bar
- Oil and petrol resistant
- Temperature -20°C. up to +60°C
- Swivel executed with ballbearings
- Can be used in combination with balancers



Polyurethane air hoses

Regulator

Features

- Can be easily inserted in the inlet of any air tool
- Reduces the flow of air and the power speed of the air tool



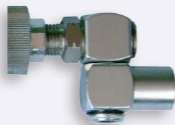
8130-1001-00-00

Type	Brand	Description	Inlet-thread
8130-1001-00-00	Yokota	Regulateur	PT 1/8"
8130-1002-00-00	Yokota	Regulateur	PT 1/4"
8130-1003-00-00	Yokota	10 steps regulateur	PT 1/4"

Universal swivel joint

Features

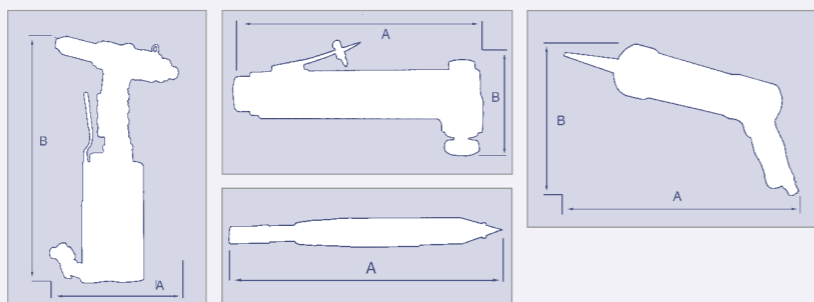
- Optimal ergonomics
- Swivels in all directions
- Increases flexibility of air tool use



Type	Order number
Universal Swivel Joint 1/4"	922A18
Universal Swivel Joint 3/8"	933A19
Universal Swivel Joint 1/2"	944A

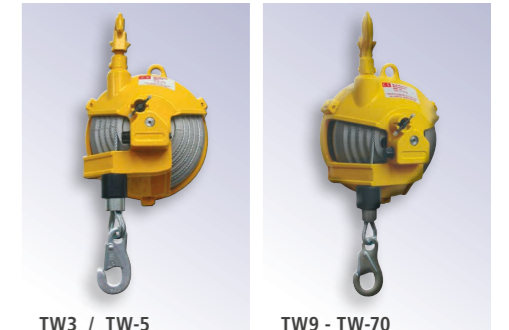
DIMENSIONS

Type	A mm	B mm
RRI-4010	159	299
RRI-4011	198	315
RRI-9010	160	-
RRP-203	268	135
RRI-21930	80	250
RR-476	195	79
VMG	140	164



Springbalancers: standard model

Type	Brand	Capacity kg	Cable length m	Weight kg
RRI-9001/1	RRI	0,5 - 1,5	2	0,5
RRI-9003/1	RRI	1 - 3	2	0,7
RRI-9005/1	RRI	2,5 - 5	2	0,9
EK-0	RRI	0,5 - 1,5	1	0,5
TW-3	RRI	1 - 3	1,3	1,4
TW-5	RRI	2,5 - 5	1,3	1,5
TW-9	RRI	4,5 - 9	1,3	3,4
TW-15	RRI	9 - 15	1,3	3,8
TW-22	RRI	15 - 22	1,5	7,2
TW-30	RRI	22 - 30	1,5	7,6
TW-40	RRI	30 - 40	1,5	9,8
TW-50	RRI	40 - 50	1,5	10,4
TW-60	RRI	50 - 60	1,5	11,6
TW-70	RRI	60 - 70	1,5	11,8
ETP-14	RRI	120 - 140	1,2	24,1
ETP-15	RRI	140 - 170	1,2	28,7
ETP-16	RRI	170 - 200	1,2	29,7



Springbalancers: Hosereel with integrated cable

Type	Brand	Capacity kg	Cable length m	Weight kg	Hose diameter mm	Air cons. l/min	Inlet-thread
HTB-0	RRI	0,5 - 1,5	1,3	1,58	6,5	700	PT 1/4"
HTB-1	RRI	1,5 - 3	1,3	1,66	6,5	700	PT 1/4"
HTB-2	RRI	3 - 5	1,3	1,73	6,5	700	PT 1/4"



HTB-0 / HTB-1 / HTB-2

Springbalancers: long stroke

Type	Brand	Capacity kg	Cable length m	Weight kg
ELF-3	RRI	1,5 - 3	2,5	4,1
ELF-5	RRI	3 - 5	2,5	4,2
ELF-9	RRI	5 - 9	2,5	4,7
ELF-15	RRI	9 - 15	2,5	10
ELF-22	RRI	15 - 22	2,5	10,2
ELF-30	RRI	22 - 30	2,5	11
ELF-40	RRI	30 - 40	2,5	14
ELF-50	RRI	40 - 50	2,5	14,5
ELF-60	RRI	50 - 60	2,5	17
ELF-70	RRI	60 - 70	2,5	18



ELF-3 - ELF-70

Extra safety

The models ELF and TW from TW-9 upwards have a safety mechanism which activates in case of spring breakage.

Dimensions

You can find the dimensions of our spring balancers on our website.

Oil

ATLUB is the perfect lubricant especially developed to meet the lubrication requirements of pneumatic tools. ATLUB is based on a water soluble synthetic lubricant, containing a well balanced choice of additives to obtain following properties:

- Very good protection against wear, corrosion and oxidation
- No forming of ice in pneumatic tools and machinery
- A good protection against deposit in the pneumatic system
- Good cleaning properties
- Compatibility with seal and gaskets made from synthetic material

ATLUB can be used in an air-line or microfog lubricator for lubrication of hammers, pile-drivers drills, grinders, pumps, hoists, clamps and vices. ATLUB will not mix with other mineral oils.

With ATLUB as the lubricant it is possible to work at very low temperatures, even at - 25°C, without freezing of the pneumatic system.



Type	Brand	Description	Quantity Liter
ATLUB	RR	Lubricating oil	1
NOBP	YOKOTA	Oil for YOKOTA impulsewrenches	1
01-0508	RR	Oil for RED ROOSTER impulsewrenches	0,1
01-0508C	RR	Oil for RED ROOSTER impulsewrenches RRI-200(T)	0,1
01-0507	RR	Oil for RED ROOSTER impulsewrenches	1
01-0507C	RRI	Oil for RED ROOSTER impulsewrenches RRI-200(T)	1

VOKIT-100



KIT-100-KIT
(delivery without
impact wrench)

Type	Brand	Description	Height cm	Width cm	Depth cm	Height box cm
KIT-100-KIT (with AC30-F03E)	RR	Kombi-kit	40,5	25,5	32	7
VOKIT-100	RR	Kit only	40,5	25,5	32	7

If the pressure is too low the tool will show less performance and less precision, resulting in slow starting and less productivity. 1 bar pressure reduction means 25% power loss. Good quality air ensures a trouble-free use, longer lifetime and reduces maintenance costs significant.

LOW PRESSURE MAY OCCUR IF:

- The capacity of the compressor is insufficient
- The air piping has been pitched incorrectly
- There are air leaks
- The air treatment equipment is not functioning properly and/or not pitched correctly;
- The wrong size hose nipples or quick couplers are used
- The tank is too small

WATERSEPARATORS

With the SMC AMG water separators you can remove easily and cheaply 99% of water droplets. The water separators are compact and light weight. Available port sizes from 1/8" up to 2", therefore suitable for compressors (1-75 kW). Standard equipped with automatic drain for long term jobs.

FILTERS

The SMC filters have exceptional large air flow and a high rate of filtration. The filters guarantee a high level of the air quality due to separation of condensate by the centrifugal working and filtration of pollution.

REGULATORS

SMC regulators guarantee a constant secondary pressure, apart from fluctuations in port pressure or pressure decreases.

LUBRICATORS

For precise lubrication of machine components. From series 3.000 oil can be filled under pressure. Easy and precise adjustment. Lubrication already takes place with slight pressure drop.

AIR COMBINATION SETS

Combination set exist of EAF (filter), EAR (regulator) and EAL (lubricator). Or EAW (filter/regulator combination) and EAL (lubricator).

REFRIGERATED AIR DRYERS

The SMC refrigerated air dryer series IDFA removes humidity from your compressed air system and extends thereby the life span of all of your air tools

WATER SEPERATORS & COMBINATION SETS

FILTERS

AMG-SERIES

AMG-series - water separators

Type	Brand	Compressor kW	NI/min	Port size Rc	Weight kg	Mounting brackets	Filter elements
AMG150C-F02C	SMC	2,2	300	1/4"	0,38	AM-BM101	AMG-EL150
AMG250C-F03D	SMC	5,5	750	3/8"	0,55	AM-BM102	AMG-EL250
AMG350C-F04D	SMC	11	1.500	1/2"	0,9	AM-BM103	AMG-EL350
AMG450C-F06D	SMC	15	2.200	3/4"	1,4	AM-BM104	AMG-EL450
AMG550C-F10D	SMC	22	3.500	1"	2,1	AM-BM105	AMG-EL550
AMG650-F14D	SMC	37	6.000	1 1/2"	4,2	BM56	AMG-EL650
AMG850-F20D	SMC	75	12.000	2"	10,5	BM57	AMG-EL850

Working pressure: 1,5 - 10 bar / Temperature working area: -5 to 60°C.
Accessories like mounting brackets and filter elements available on request.

With the SMC water separators you can remove easy and cheaply 99% of water droplets. The water separators are compact and light weight. Available port sizes from 1/8" up to 2", therefore suitable for compressors (1-75 kW). Standard equipped with automatic drain for long term jobs. Long life due to the special resin with large mesh to reduce clogging.

You can use a water separator when:
1. air does not have to be dry for 100%
2. air dryer cannot be used
3. air dryer is expensive for needs

Note Mount filter as far as possible from the compressor for optimal functioning.



AMG

AC-SERIES - FILTER-REGULATOR-LUBRICATOR (MODULAR)

AC-series - combination of AF (filter), AR (regulator), AL (lubricator) and pressure gauge

Type	Brand	Port size	NI/min	Filter micron	Working pres. (MPa)	Bowl	Bowl with bajonet connection
AC20-F02E-B	SMC	1/4"	500	5	0,05 - 0,85	Polycarbonate	o
AC30-F03E-B	SMC	3/8"	2.000	5	0,05 - 0,85	Polycarbonate	s
AC40-F03E-B	SMC	3/8"	4.000	5	0,05 - 0,85	Polycarbonate	s
AC40-F04E-B	SMC	1/2"	4.000	5	0,05 - 0,85	Polycarbonate	s
AC40-F06E-B	SMC	3/4"	4.500	5	0,05 - 0,85	Polycarbonate	s
AC50-F06E-B	SMC	3/4"	5.000	5	0,05 - 0,85	Polycarbonate	s
AC50-F10E-B	SMC	1"	5.000	5	0,05 - 0,85	Polycarbonate	s
AC60-F10E-B	SMC	1"	7.000	5	0,05 - 0,85	Polycarbonate	s

o = optional, s = standard / Max. supply pressure: 1,5 MPa / Max. working pressure: 0,7 MPa / Temperature working area: -5 to 60° C.



AC-B

AC-series - combination of AW (filter, regulator combination), AL (lubricator) and pressure gauge

Type	Brand	Port size	NI/min	Filter micron	Working pres. (MPa)	Bowl	Bowl with bajonet connection
AC20A-F02E-B	SMC	1/4"	500	5	0,05 - 0,85	Polycarbonate	o
AC30A-F03E-B	SMC	3/8"	1.700	5	0,05 - 0,85	Polycarbonate	s
AC40A-F04E-B	SMC	1/2"	3.000	5	0,05 - 0,85	Polycarbonate	s
AC50A-F06E-B	SMC	3/4"	3.500	5	0,05 - 0,85	Polycarbonate	s

o = optional, s = standard / Max. supply pressure: 1,5 MPa / Max. working pressure: 0,7 MPa / Temperature working area: -5 to 60° C.



AC..A-B

On request

- Other combinations
- Automatic drain, normally opened (add DE for E in order number). For good functioning, the drain line should have min. 8 mm diam. and should not be longer than 5 m
- Filtration 2, 10, 20, 40, 70, 100 μ
- Metal- or nylon bowls

Polycarbonate bowls may be damaged and could possibly fail if they are exposed to synthetic oils, thinner solvents, trichloorethylene, kerosene and other aromatics hydrocarbons. If used in above atmosphere, please use a metal bowl (p.77).

AF-SERIE (MODULAR)

AF-series - Filters

Type	Brand	Port size	NI/min	Filter micron	Bowl	Bowl with bajonet connection ¹⁾	Mounting brackets
AF20-F02-A	SMC	1/4"	750	5	Polycarbonate	s	AF22P-050AS
AF30-F02-A	SMC	1/4"	1.450	5	Polycarbonate	s	AF32P-050AS
AF30-F03-A	SMC	3/8"	3.900	5	Polycarbonate	s	AF32P-050AS
AF40-F03-A	SMC	3/8"	3.900	5	Polycarbonate	s	AF42P-050AS
AF40-F04-A	SMC	1/2"	3.900	5	Polycarbonate	s	AF42P-050AS
AF40-F06-A	SMC	3/4"	3.900	5	Polycarbonate	s	AF42P-070AS
AF50-F06-A	SMC	3/4"	6.500	5	Polycarbonate	s	AF52P-050AS
AF50-F10-A	SMC	1"	6.500	5	Polycarbonate	s	AF52P-050AS
AF60-F10-A	SMC	1"	9.800	5	Polycarbonate	s	AF52P-050AS
AF800-12	SMC	1 1/4"	12.000	5	Polycarbonate	s	-
AF800-14	SMC	1 1/2"	12.000	5	Polycarbonate	s	-
AF900-20	SMC	2"	20.000	5	Polycarbonate	s	-

¹⁾ o = optional, s = standard / Max. supply pressure: 1,5 MPa / Max. working pressure: 1,0 MPa / Temperature working area: -5 to 60° C.

On request

- Other combinations
- Automatic drain, normally opened (add D to order number). For good functioning, the drain line should have min. 8 mm diam. and can not be longer than 5 m
- Filtration 2, 10, 20, 40, 70, 100 μ
- Metal- or nylon bowls.

Polycarbonate bowls may be damaged and could possibly fail if they are exposed to synthetic oils, thinner solvents, trichloorethylene, kerosene and other aromatics hydrocarbons. If used in above atmosphere, please use a metal bowl (p.77).



AF

AFM- AND AFD-SERIES (MODULAR)

AFM-series - microfilters

Type	Brand	Port size	NI/min	Filter micron	Bowl	Bowl with bajonet connection ¹⁾	Mounting brackets
AFM20-F02-A	SMC	1/4"	200	0,3	Polycarbonate	o	AF22P-050AS
AFM30-F02-A	SMC	1/4"	450	0,3	Polycarbonate	s	AF32P-050AS
AFM30-F03-A	SMC	3/8"	450	0,3	Polycarbonate	s	AF32P-050AS
AFM40-F03-A	SMC	3/8"	1.100	0,3	Polycarbonate	s	AF42P-050AS
AFM40-F04-A	SMC	1/2"	1.100	0,3	Polycarbonate	s	AF42P-050AS
AFM40-F06-A	SMC	3/4"	1.100	0,3	Polycarbonate	s	AF42P-070AS

¹⁾ o = optional, s = standard / Max. supply pressure: 1,5 MPa / Max. working pressure: 1,0 MPa / Temperature working area: -5 to 60° C.

AFD-series - submicrofilters

Type	Brand	Port size	NI/min	Filter micron	Bowl	Bowl with bajonet connection ¹⁾	Mounting brackets
AFD20-F02-A	SMC	1/4"	120	0,01	Polycarbonate	o	AF22P-050AS
AFD30-F02-A	SMC	1/4"	240	0,01	Polycarbonate	s	AF32P-050AS
AFD30-F03-A	SMC	3/8"	240	0,01	Polycarbonate	s	AF32P-050AS
AFD40-F03-A	SMC	3/8"	600	0,01	Polycarbonate	s	AF42P-050AS
AFD40-F04-A	SMC	1/2"	600	0,01	Polycarbonate	s	AF42P-050AS
AFD40-F06-A	SMC	3/4"	600	0,01	Polycarbonate	s	AF42P-070AS

¹⁾ o = optional, s = standard / Max. supply pressure: 1,0 MPa / Max. working pressure: 0,7 MPa / Temperature working area: -5 to 60° C.

On request

- Automatic drain, normally opened (add D to order number). For good functioning, the drain line should have min. 8 mm diam. and should not be longer than 5 m.
- Metal- or nylon bowls.

The microfilters do have an exceptional large air flow and a high rate of filtration. They remove more than 99,9% oil. The filter should be replaced if the decrease of air pressure is 1 bar or more.



AFM / AFD

FILTER/REGULATORS

AW-SERIES (MODULAR)

AW-series - filter/regulators

Type	Brand	Port size	NI/min	Port size press. gauge	Working press. (MPa)	Filter micron	Bowl	Mounting nut	Bowl with bajonet connection	Mounting brackets
AW20-F02E-B	SMC	1/4"	500	R1/8	0,05 - 0,85	5	Polycarbonate	AR23P-260S	o	AW23P-270AS ¹⁾
AW30-F03E-B	SMC	3/8"	1.550	R1/8	0,05 - 0,85	5	Polycarbonate	AR33P-260S	s	AR33P-270AS ¹⁾
AW40-F04E-B	SMC	1/2"	2.800	R1/8	0,05 - 0,85	5	Polycarbonate	AR43P-260S	s	AR43P-270AS ¹⁾
AW40-F06E-B	SMC	3/4"	4.000	R1/8	0,05 - 0,85	5	Polycarbonate	AR43P-260S	s	AR43P-270AS ¹⁾
AW60-F10E-B	SMC	1"	9.000	Integrated	0,05 - 0,85	5	Polycarbonate	-	s	AW62P-270 AS ²⁾

¹⁾ Supplied with mounting nuts / ²⁾ Supplied with mounting screws / ³⁾ o = optional, s = standard
Max. supply pressure: 1,5 MPa / Max. working pressure: 1,0 MPa / Temperature working area: -5 to 60° C.

On request

- Automatic drain, normally opened (add DE for E in order number).
For good functioning, the drain line should have min. 8 mm diam. and should not be longer than 5 m.
- Filtration 2, 10, 20, 40, 70, 100 µ.
- Metal- or nylon bowls.



AW20-B

AR-SERIES (MODULAR)

AR-series - regulators

Type	Brand	Port size	NI/min	Port size pressure gauge	Working pressure (MPa)	Mounting nut	Mounting brackets
AR20-F02E-B	SMC	1/4"	500	Integrated	0,05 - 0,85	AR23P-260S	AR23P-270AS*
AR30-F03E-B	SMC	3/8"	2.800	Integrated	0,05 - 0,85	AR33P-260S	AR33P-270AS*
AR40-F03E-B	SMC	3/8"	4.300	Integrated	0,05 - 0,85	AR43P-260S	AR43P-270AS*
AR40-F04E-B	SMC	1/2"	4.300	Integrated	0,05 - 0,85	AR43P-260S	AR43P-270AS*
AR40-F06E-B	SMC	3/4"	4.300	Integrated	0,05 - 0,85	AR43P-260S	AR43P-270AS*
AR50-F06E-B	SMC	3/4"	7.000	Integrated	0,05 - 0,85	-	AR52P-270AS**
AR50-F10E-B	SMC	1"	7.000	Integrated	0,05 - 0,85	-	AR52P-270AS**
AR60-F10E-B	SMC	1"	9.000	Integrated	0,05 - 0,85	-	AR52P-270AS**
AR825-12	SMC	1 1/4"	14.000	R1/4	0,05 - 0,85	-	-
AR825-14	SMC	1 1/2"	14.000	R1/4	0,05 - 0,85	-	-
AR925-20	SMC	2"	18.000	R1/4	0,05 - 0,85	-	-

* Supplied with mounting nuts / ** Supplied with mounting screws
Max. supply pressure: 1,5 MPa / Max. working pressure: 1,0 MPa / Temperature working area: -5 to 60° C.

AR-series - high pressure regulators

Type	Brand	Port size	NI/min	Port size pressure gauge	Working pressure (MPa)	Mounting nut	Mounting brackets
AR40-F03-X425	SMC	3/8"	4.500	R1/4	0,05 - 1,6	AR40P-260S	AR40P-270AS*
AR40-F04-X425	SMC	1/2"	5.000	R1/4	0,05 - 1,6	AR40P-260S	AR40P-270AS*
AR60-F10-X425	SMC	1"	8.000	R1/4	0,05 - 1,6	-	AR50P-270AS**

* Supplied with mounting nuts / ** Supplied with mounting screws
Max. supply pressure: 3,0 MPa / Max. working pressure: 2,0 MPa / Temperature working area: -5 to 60° C.



AR

LUBRICATORS

AL-SERIE (MODULAR)

AL-series - lubricators

Type	Brand	Port size	NI/min	Lubricating from NI/min	Sight dome	Bowl	Bowl with bajonet-connection	Mounting brackets
AL20-F02-A	SMC	1/4"	1.550	15	AL20P-080AS	Polycarbonate	s	AF22P-050AS
AL30-F03-A	SMC	3/8"	3.100	30	AL20P-080AS	Polycarbonate	s	AF32P-050AS
AL40-F03-A	SMC	3/8"	7.800	40	AL20P-080AS	Polycarbonate	s	AF42P-050AS
AL40-F04-A	SMC	1/2"	7.800	40	AL20P-080AS	Polycarbonate	s	AF42P-050AS
AL40-F06-A	SMC	3/4"	7.800	40	AL20P-080AS	Polycarbonate	s	AF42P-070AS
AL50-F06-A	SMC	3/4"	10.000	190	AL20P-080AS	Polycarbonate	s	AF52P-050AS
AL50-F10-A	SMC	1"	10.000	190	AL20P-080AS	Polycarbonate	s	AF52P-050AS
AL60-F10-A	SMC	1"	14.000	220	AL20P-080AS	Polycarbonate	s	AF52P-050AS
AL800-12	SMC	1 1/4"	18.000	460	12316	Polycarbonate	s	-
AL800-14	SMC	1 1/2"	20.000	650	12316	Polycarbonate	s	-
AL900-20	SMC	2"	25.000	1.800	12316	Polycarbonate	s	-

¹⁾ o = optional, s = standard
Max. supply pressure: 1,0 MPa / Max. working pressure: 0,7 Mpa / Temperature working area: -5 tot 60°C / Recommended oil norm: ISO VG32



AL-A

ALF/ALT-SERIES (MODULAR)

ALF-series - Auto feed lube

Type	Brand	Port size	Max. operating pressure	Min. operating flow (NI/min (ANR))	Bowl capacity cm ³	Bowl	Weight kg
ALF400-F02	SMC	1/4"	0,7 Mpa	65	-	Polycarbonate	0,85
ALF400-F03	SMC	3/8"	0,7 Mpa	100	-	Polycarbonate	0,85
ALF400-F06	SMC	3/4"	0,7 Mpa	120	-	Polycarbonate	0,88
ALF500-F06	SMC	3/4"	0,7 Mpa	190	-	Polycarbonate	1
ALF600-F10	SMC	1"	0,7 Mpa	220	-	Polycarbonate	1,15
ALF800-F12	SMC	1 1/4"	0,7 Mpa	460	-	Polycarbonate	1,85
ALF800-F14	SMC	1 1/2"	0,7 Mpa	650	-	Polycarbonate	1,85
ALF900-F20	SMC	2"	0,7 Mpa	1.800	-	Polycarbonate	1,9

Auto feed tank

ALT-5	SMC	Air 1/4" / Oil 3/8"	1,0 Mpa	-	5.000	Metal	12,6
ALT-5-IS-1/2	SMC	Air 1/4" / Oil 3/8"	1,0 Mpa	-	5.000	Metal	13,2
ALT-9	SMC	Air 1/4" / Oil 3/8"	1,0 Mpa	-	9.000	Metal	26,0
ALT-9-IS-1/2	SMC	Air 1/4" / Oil 3/8"	1,0 Mpa	-	9.000	Metal	26,6

Temperature working area: -5 to 60°C / Recommended oil norm: ISO VG32



ALF

ALT

VARIOUS



Type	Brand	For series	Port size	Operation	NI/min	Silencer	Working pressure MPa	Diameter mm
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EAD-series - automatic condensate drains

EAD202-F02	SMC	-	1/4"	Pneumatic	-	-	-	-
EAD202-F03	SMC	-	3/8"	Pneumatic	-	-	-	-
EAD402-F04	SMC	-	1/2"	Pneumatic	-	-	-	-
EAD600-F10	SMC	-	1"	Pneumatic	-	-	-	-
ADH4000-F04	SMC	-	1/2"	Pneumatic	-	-	-	-
ADM200-045	SMC	-	1/2"	Elektric (220V)	-	-	-	-

AKM-series - T-type spacers with check valve

AKM2000-F02-A	SMC	20	1/4"	-	750	-	-	-
AKM3000-F02-A	SMC	30	3/8"	-	1.700	-	-	-
AKM4000-F03-A	SMC	40	1/2"	-	3.150	-	-	-

VHS-series - shut-off valves

VHS20-F02-A	SMC	20	1/4"	-	750	AN103-01	-	-
VHS30-F03-A	SMC	30	3/8"	-	1.700	AN200-02	-	-
VHS40-F04-A	SMC	40	1/2"	-	3.150	AN300-03	-	-

K-series - pressure gauges external

G27-10-R1	SMC	10	1/16"	-	-	-	0 - 1	26
K8-10-40	SMC	20/30	1/8"	-	-	-	0 - 1	40
K4-10-50	SMC	40/50/60	1/4"	-	-	-	0 - 1	50

GC-series - pressure gauges internal

GC3-10AS	SMC	20/30/40/50/60	-	-	-	-	0 - 1	24
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ISE35-series - integrated pressure gauges with pressure switch and cable

Type	Brand	For series	Power supply	Cable length m	Protection degree	Display	Set pressure range	Output
ISE35-N-65-LA	SMC	20/30/40/50/60	12 - 24V DC	2	IP40	LED 2-colors	-0,01 - 1	PNP
ISE35-N-25-LA	SMC	20/30/40/50/60	12 - 24V DC	2	IP40	LED 2-colors	-0,01 - 1	NPN

Replacement filter elements

Series	Brand	Standard 5 μ
20	SMC	AF20P-060S
30	SMC	AF30P-060S
40	SMC	AF40P-060S
50	SMC	AF50P-060S
60	SMC	AF60P-060S

BOWL FOR THE FRL-SERIES

For series	Brand	For lubricator	For filter	Polycarbonate	Nylon	Metal	Automatic drain	O-Rings
20	SMC	C2SL-A	C2SF-A	*				C2SFP-260S
		C2SL-23-A	C2SF-6-A C2SF-2-A AD27-C-A		*	*	*	
30	SMC	C3SL-A	C3SF-A	*				C32FP-260S
		C3SL-23-A	C3SF-6-A C3SF-2-A AD37-A		*	*	*	
40	SMC	C4SL-A	C4SF-A	*				C42FP-260S
		C4SL-23-A	C4SF-6-A C4SF-2-A AD47-A		*	*	*	
50	SMC	C4SL-A	C4SF-A	*				C45FP-260S C42FP-2GOS
		C4SL-23-A	C4SF-6-A C4SF-2-A AD47-A		*	*	*	
60	SMC	C4SL-A	C4SF-A	*				C42FF-2GOS
		C4SL-23-A	C4SF-6-A C4SF-2-A AD47-A		*	*	*	



Polycarbonate bowls may be damaged and could possibly fail if they are exposed to synthetic oils, thinner solvents, trichloroethylene, kerosene and other aromatic hydrocarbons. If used in above atmosphere, please use a metal bowl.

ACCESSORIES SPACERS / BRACKETS



Brand	For series	Port size	Spacer	Spacer with bracket	T-interface	Piping adapter
SMC	20	1/4"	Y200-A	Y200T-A	Y210-F02-A	E200-F02-A
SMC	30	3/8"	Y300-A	Y300T-A	Y310-F02-A	E300-F03-A
SMC	40	1/2"	Y400-A	Y400T-A	Y410-F03-A	E400-F04-A
SMC	40	3/4"	Y500-A	Y500T-A	Y50-F03-A	E500-F06-A
SMC	50	3/4"	Y600-A	Y600T-A	Y610-F04-A	E600-F06
SMC	50	1"	Y600-A	Y600T-A	Y610-F04-A	E600-F10
SMC	60	3/4"	Y600-A	Y600T-A	Y610-F04-A	E600-F06
SMC	60	1"	Y600-A	Y600T-A	Y610-F04-A	E600-F10

Piping adaptors for easy installation and maintenance.

T-type bracket with fastening element for wall mounting.

Spacers for mounting the combination without wall connection.

Mounting brackets for the attachment of separate components in the corresponding product series.

REFRIGATED AIR DRYER

IDFA SERIES

The SMC IDFA series of refrigerated air dryers are the result of over 40 years of experience combined with the latest compressed air and refrigeration technology. Built to international standards and backed by SMC's BS and ISO 9001 quality certification. The new IDFA series has ten standard models with nominal capacities ranging from 12 - 1.340 m³/h.

Series IDFA Refrigerated Air Dryer

- State of the art design ensures a constant +3°C pressure dew point
- High efficiency heat exchanger
- Environmentally ozone friendly refrigerants
- Conforms to stringent ISO8573-1 standards
- Simple control system with easy to read evaporator gauge
- Compact design for easy installation
- High performance, reliable and trouble free



IDFA series - standard specifications

Type	Brand	Inlet air-pressure (bar)	Inlet air-temp. (°C)	Ambient temp. (°C)	Power supply voltage	Power cons. W	Air port connections	Refrigerant	Weight kg
IDFA3E-23	SMC	0,15 - 1	5 - 50	2 - 40	1 Phase 230V AC 50Hz/60Hz	180	Rc 3/8	R134a	18
IDFA4E-23	SMC	0,15 - 1	5 - 50	2 - 40	1 Phase 230V AC 50Hz/60Hz	180	Rc 1/2	R134a	22
IDFA6E-23-K	SMC	0,15 - 1,6	5 - 50	2 - 40	1 Phase 230V AC 50Hz/60Hz	180	Rc 3/4	R134a	23
IDFA8E-23-K	SMC	0,15 - 1,6	5 - 50	2 - 40	1 Phase 230V AC 50Hz/60Hz	208	Rc 3/4	R134a	27
IDFA11E-23-K	SMC	0,15 - 1,6	5 - 50	2 - 40	1 Phase 230V AC 50Hz/60Hz	385	Rc 3/4	R134a	28
IDFA15E-23-K	SMC	0,15 - 1,6	5 - 50	2 - 40	1 Phase 230V AC 50Hz	470	Rc 1	R134a	46
IDFA22E-23-K	SMC	0,15 - 1,6	5 - 50	2 - 40	1 Phase 230V AC 50Hz	760	R 1	R407C	54
IDFA37E-23-K	SMC	0,15 - 1,6	5 - 50	2 - 40	1 Phase 230V AC 50Hz	760	R 1½	R407C	62
IDFA55E-23-L	SMC	0,15 - 1,6	5 - 50	2 - 40	1 Phase 230V AC 50Hz	1.130	R 2	R407C	100
IDFA75E-23-L	SMC	0,15 - 1,6	5 - 50	2 - 40	1 Phase 230V AC 50Hz	1.700	R 2	R407C	116
IDFA100F-40	SMC	0,15 - 1*	5 - 60	2 - 45	3 Phase 400V AC 50Hz	2.500	R 2	R407C	245
IDFA125F-40	SMC	0,15 - 1*	5 - 60	2 - 45	3 Phase 400V AC 50Hz	2.700	R 2½	R407C	270
IDFA150F-40	SMC	0,15 - 1*	5 - 60	2 - 45	3 Phase 400V AC 50Hz	2.700	DIN 80	R407C	350

* Also available with 0,15-1,6 MPa
Note: Thread adapters to convert Rc thread to R thread are included with IDFA3E to IDFA15E.

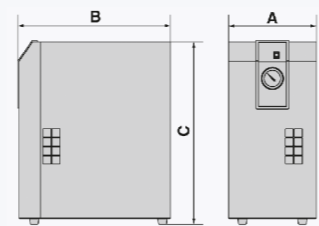
IDFA series nominal air flow rate [m³/h (ANR)]*

Type	Brand	3°C Pressure dew point	7°C Pressure dew point	10°C Pressure dew point
IDFA3E-23	SMC	12	15	17
IDFA4E-23	SMC	24	31	34
IDFA6E-23-K	SMC	36	46	50
IDFA8E-23-K	SMC	65	83	91
IDFA11E-23-K	SMC	80	101	112
IDFA15E-23-K	SMC	120	152	168
IDFA22E-23-K	SMC	182	231	254
IDFA37E-23-K	SMC	273	347	382
IDFA55E-23-L	SMC	390	432	510
IDFA75E-23-L	SMC	660	720	822
IDFA100F-40	SMC	860	-	-
IDFA125F-40	SMC	1.100	-	-
IDFA150F-40	SMC	1.340	-	-

* Standard condition (ANR) with 20°C ambient temperature, atmospheric pressure and relative humidity of 65%. Performance data for pressure dew point in accordance with operating conditions from ISO7183 (P1=0,7 MPa, T1=35°C (saturated), cooling air temp. 25°C).

Dimensions IDFA-series

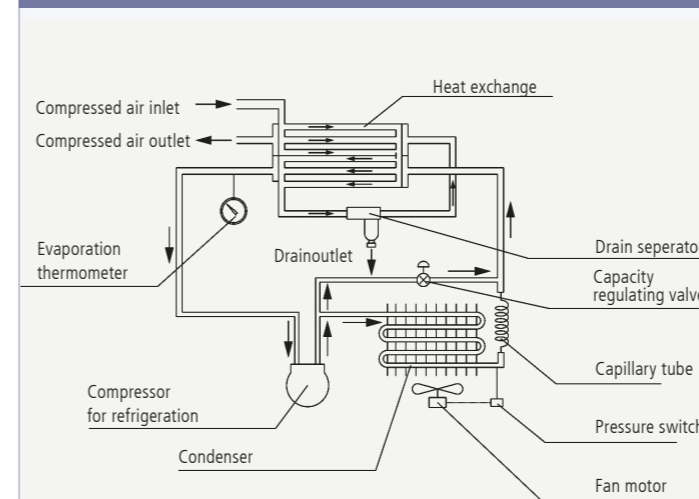
Type	A	B	C
IDFA3E-23	226	410	437
IDFA4E-23	270	453	498
IDFA6E-23-K	270	455	498
IDFA8E-23-K	270	485	568
IDFA11E-23-K	270	485	568
IDFA15E-23-K	300	603	578
IDFA22E-23-K	290	775	623
IDFA37E-23-K	290	855	623
IDFA55E-23-L	470	855	800
IDFA75E-23-L	470	855	900
IDFA100F-40	670	1.120	1.276
IDFA125F-40	700	1.120	1.276
IDFA150F-40	950	1.290	1.332



REFRIGATED AIR DRYER

OPERATING PRINCIPLE / DIMENSIONS

Operation principle IDFA refrigerated air dryer



Saturated compressed air enters the air-to-air heat exchanger. The incoming air is then pre-cooled by the cold air exiting the dryer. The air then passes through the evaporator, where it is further cooled to 3°C dew point. As the air cools, the water condenses to liquid which is removed by the automatic drain. The dry air is then passed back through the air-to-air heat exchanger where it is reheated before leaving the dryer.

Banish moisture in your compressed air

Tests carried out by SMC, world leaders in pneumatic technology, have indicated that in certain atmospheric conditions the moisture contained in compressed air from a 75 kW compressor after one days operation could be equivalent to 113 litres of water.

Obviously any compressed air system containing this volume of air moisture will suffer from dramatically reduced valve and air cylinder performance. Therefore armed with this knowledge, SMC's R&D engineers have now produced the perfect answer with their new range of Refrigerated Air Dryers - Series IDFA.

Designed specifically for the European market, with both CE accreditation and 230V AC (50Hz) voltage requirements, Series IDFA effectively removes water vapour through a highly efficient stainless steel, improved corrosion resistant, heat exchanger. With 13 flow rate size options. 12 to 1.340 m³/h (ANR), these air dryers use ozone friendly HFC refrigerants - R134a/ R407C and emit outlet air at 3°C point as per ISO8573-1 standard.

Incorporating an easy to see evaporation temperature gauge, to confirm correct operation, Series IDFA is highly efficient with a low pressure drop when operating for improved energy savings.

IDFA3E-23 up to IDFA75E-23-L - correction factors

Inlet air temp. (°C)	Correction factor A	Ambient temp. (°C)																
		20°	25°	30°	35°	40°												
5-25°		1,30	1,25	1,00	0,83	0,70	0,60											
30°																		
35°																		
40°																		
45°																		
50°																		
Inlet air press (MPa)	Correction factor B	Ambient temp. (°C)																
		20°	25°	30°	35°	40°	45°	50°	1,0	1,1	1,2	1,3	1,4	1,5	1,6			
0,3		1,10	1,00	0,91	0,83	0,79												
0,4																		
0,5																		
0,6																		
0,7																		
0,8																		
0,9																		
1,0																		
1,1																		
1,2																		
1,3																		
1,4																		
1,5																		
1,6																		

Corrected air flow rate [m³/h] = Customer's air flow rate / (factor A x factor B x factor C)

IDFA100F-40 up to IDFA150F-40 - correction factors

Inlet air temp. (°C)	Correction factor A	Correction factor B		Correction factor C		Correction factor D		Air flow rate			
		Ambient temp. (°C)	Correction factor	Pressure dew point (°C)	Correction factor	Lufteinlasspunkt (MPa)	Correction factor	Model	IDFA100F	IDFA120F	IDFA150F
5 up to 30	1,41	2 up to 25	-	3	0,7	0,2	0,84	Air flow rate [m ³ /h(ANR)]	960	1.210	1.500
35	1,21	30	-	5	0,75	0,3	0,87				
40	1	32	1	10	1	0,4	0,9				
45	0,92	35	1	15	1,4	0,5	0,93				
50	0,75	40	0,99			0,6	0,96				
55	0,63	45	0,92			0,7	1				
60	0,53					0,8	1,03				
						0,9	1,06				
						1 bis 1,6	1,09				

Correc air flow rate [m³/h] = Air flow rate of the customer / Faktor A x Faktor B x Faktor C x Faktor D.

Note: Choose the correct dryer based on the calculations with correction factor.

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SERVICE

How to use

Please take the following points into consideration before using new air tool(s).

- We advise you to oil your tool at regular intervals using RR ATLUB fully synthetic resin and acid free lubrication
- Always check, before connecting the hose to the tool, that both the air hose and fittings are in good state of repair and the latter is free of any dirt or debris.
- Make sure that the air is dry and clean.
- We advise you to use the correct size air treatment set (FRL) and a correctly adjusted lubricator.
- For a good lubrication we advise use of a hose between oiler and airtool of max. 8 m. (26 ft.). If you want to use a longer hose, it is possible to mount a SMC jet-oiler. The jet oiler has a reach of approx. 200 m. The air pressure of the tool has to be 0.63 MPa. The correct hose diameter is necessary to achieve the best performance.

**DRAW WATER FROM THE AIR PIPING
AND COMPRESSOR TANK DAILY.
CHECK IF THE LUBRICATORS ARE FILLED
WITH RED ROOSTER ATLUB AIR TOOL OIL.**

Pressure too low!

"If the air supply to the tools is too low it could reduce the performance of the tool"

If the pressure is too low the tool will show reduced performance and precision, resulting in slow starting and lower productivity. 1 Bar pressure reduction means 25% power loss!

Low pressure may occur if:

- The capacity of the compressor is insufficient,
- The air piping has been pitched incorrectly,
- There are air leaks,
- The air treatment equipment is not functioning properly and/or is not pitched correctly,
- The wrong size hose nipples or quick couplers are used
- The tank is too small.

Please note

When using impact wrenches and impulse wrenches, the torques shown will vary if used on a soft joint, e.g. washers, gaskets, etc.

Quality of the air

Poor air quality can result in expensive production downtime, and will increase the time and costs of maintenance and will shorten the life of your tools.

Good quality air should be a first consideration, cost will earn itself back easily, as it will save your tools from damage.

Poor air quality can be caused by:

- Lack of necessary air treatment equipment
- Poor quality and/or wrong installation of the air treatment equipment
- Lack of maintenance of the air treatment equipment
- Incorrect hose diameter

WARRANTY

Warranty covers material and/or construction faults of the manufacturer, which are clearly definable. Replacement of parts or repair by an official YOKOTA/TOKU/RED ROOSTER service workshop is free of charge when the tool is covered by warranty. Freight or postage is for the account of the customer. Damage attributed to normal wear, overloading or incorrect use is excluded from warranty.

Replacement of tools as a consequence of warranty claims is not part of the warranty arrangements. Also claims for loss of production and/or other damages are excluded from this warranty. Repairs under warranty can only be considered, when the tool is in its original state and it is accompanied by the purchase invoice.

Warranty claims have to be made through the distributor, who has supplied the tool concerned. We reserve the right to make unannounced changes to our tools. These warranty conditions are based on an 8 hour working day.

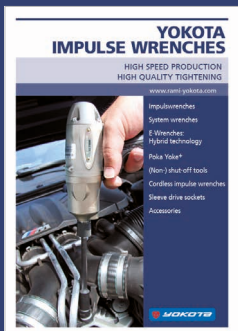
The warranty period from the date of purchase is as follows:

- 12 months** YOKOTA, RED ROOSTER and TOKU industrial air tools
- 12 months** RED ROOSTER hoists and winches
- 3 months** On repairs and replaced spare parts, which are repaired by either us or our official service workshops.

AIR TOOLS

WWW.RAMI-YOKOTA.COM

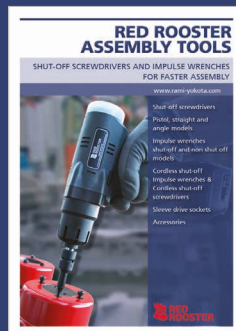
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YOKOTA IMPULSE WRENCHES

Impulse wrenches for high speed production and high quality tightening

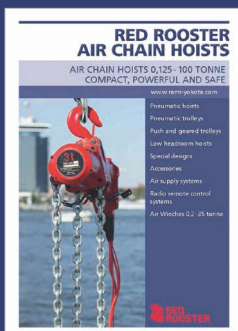
Content:
Impulse wrenches, Impulse wrenches with and without shut-off, Cordless impulse wrenches, Poka Yoke+, System wrenches, Electric system wrenches, Battery system wrenches, Sleeve drive sockets



RED ROOSTER ASSEMBLY TOOLS

Shut-off screwdrivers and impulse wrenches for faster assembly

Content:
Shut-off screwdrivers & Impulse wrenches (shut-off and non shut-off models), Cordless shut-off screwdrivers & Cordless shut-off impulse wrenches, Sleeve drive sockets & Accessories.



RED ROOSTER AIR CHAIN HOISTS

Air Chain Hoists 125 kg - 100 tonnes

Content:
Air Chain Hoists 0,125 /100 tonnes, Compact hoists, Mini hoists, Air chain hoists, Trolleys, Explosion proof, Accessories.



ACTION BROCHURE

Impact sockets for optimal performance and security

Content:
Normal/Long, Magnetic/Torx®, Hex Head/12-Point, Surface Drive/Thin wall, Universal joints, Sleeve drive, Impact Socket Sets, Torque/Adaptors, Extension Bars, etc.