

Air tools

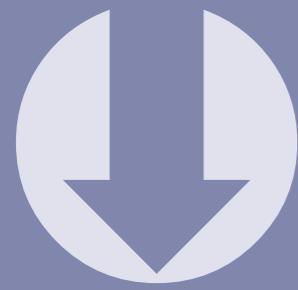
PRODUCT RANGE
RED ROOSTER, YOKOTA, TOKU, ACTION & SMC

www.rami-yokota.com



- Impact wrenches
- Impulse wrenches
- Ratchet wrenches
- Impact sockets
- Screwdrivers
- Drills
- Grinders & sanders
- Hammers
- Needlescalers
- Saws
- Pumps
- Air chain hoists
- 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 page 4).



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 air will mean a higher initial investment, but will guarantee higher productivity and a longer lifetime for your equipment.



YOKOTA Industrial air tools for the highest quality and precision

YOKOTA tools have been developed for continuous use in various industries. YOKOTA tools are produced with patented gears with little play. This is why vibration and wear are minimal. For YOKOTA Impulse tools we have a separate brochure available (see page 4).



RED ROOSTER is our private label

This selection of tools from various manufacturers, gathered in one brand, completes our program. RED ROOSTER Industrial (RRI) contains high quality tools selected from the product range of the best manufacturers and our RED ROOSTER (RR) range covers the automotive (after)market demands.



Our TOKU program contains a large range of industrial tools

Each tool is manufactured for long continuous use. The ball-bearings, gears and the air motor are produced with highest accuracy, smallest tolerances and therefore offer the best performance.

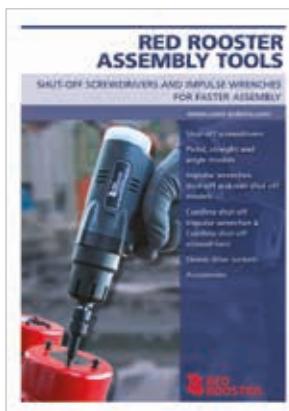


Air chain hoists

RED ROOSTER air chain hoists are of high industrial quality made by TOKU. Our hoist are produced with the lowest tolerances and are available from 0.125 up to 100 tonnes. Only a small selection is shown in this catalogue, for our hoist brochure see page 4 or visit our website.

Brochures

Service



RED ROOSTER ASSEMBLY TOOLS

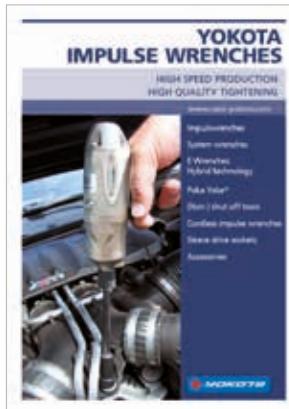
Shut-off screwdrivers and impulse wrenches for faster assembly

Available in the following languages:

English & German

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.



YOKOTA IMPULSE WRENCHES

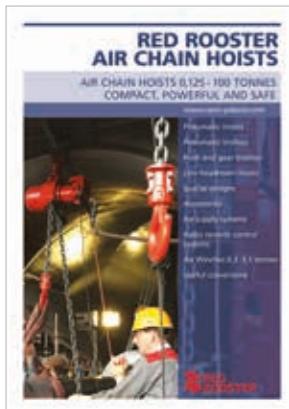
Professional tools for faster assembly

Available in the following languages:

English, French & German

Content:

Impulse wrenches, System wrenches, E-wrenches, (Non-) shut-off models,
Double chamber air motor, Poka Yoke+, Battery tools



RED ROOSTER AIR CHAIN HOISTS

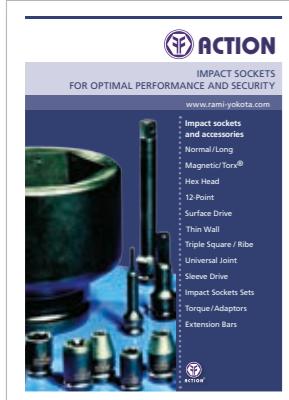
Air Chain Hoists 125 kg - 100 tonnes

Available in the following languages:

English, French, German, Polish

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

Available in the following languages:

English, French, German

Content:

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

How to use

Please take the following points into consideration before using new air tool(s). We advise you to oil your tool with resin and acid free oil through the air inlet. Check, before connecting the hose to the tool, whether the hose and quick coupler are clean. Make sure that the air is dry and clean. We advise you to use air treatment equipment and a correctly adjusted lubricator.

Use the correct oil (RED ROOSTER ATLUB air tool oil). 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.

Pressure too low!

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!

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.

Maintenance

Draw water from the air piping and compressor tank daily. Check if the lubricators are filled with RED ROOSTER ATLUB air tool oil.

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

12 months RED ROOSTER automotive air tools

3 months On repairs and replaced spare parts, which are repaired by either us or our official service workshops.

For the most recent versions go to: www.rami-yokota.com

Assembly tools

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								
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.

Impact wrenches

Applications

Nuts and bolts can get stuck due to corrosion etc. Fortunately the impact wrench can untighten any joint without problems and without any major effort from the operator. To the observer, the most common impact wrench used in garages are $\frac{1}{2}$ " square drive, and are suitable for nuts and bolts upto M14 - M16. On the other hand, if there is a lot of work to do repairing vans and larger vehicles, then you will come across bolt sizes of M22 - M24 and a $\frac{3}{4}$ " square drive should be used. The 1" square drive impact wrenches are usually used in truck and bus workshops. Besides (car)workshops, impact wrenches are also used in other industries, on shipyards, at construction workshops and in the petrochemical industry.

The right choice!

Most makes of impact wrenches look more or less the same. However the prices may differ. This is because of the quality of the impact mechanism. If the tool is only to be used once in a while, then it is advisable that you buy a cheaper model, if however the tool is going to be used more frequently then the industrial models are to be considered. Manufactured with stronger materials and better quality impact mechanisms, they guarantee a longer, more durable and trouble free lifetime. Cheaper tools are mostly executed with the single hammer impact mechanism. The industrial ones however, have a pin-clutch (Dynapact) or twin hammer system. Noise, vibration and weight also influence the price. An industrial wrench has a better silencer and less vibration. In tire workshops where

impact wrenches are used continuously, these are the most important factors. Fortunately more and more impact wrenches are executed with a rear exhaust (out-going airflow through the hand grip), while most of the conventional wrenches have an exhaust which is situated at the front of the tool. This can cause brake dust to be blown into the face of the operator while untightening the wheel nuts. Very uncomfortable.

Torque

Often people think that the torque of an impact wrench is about the same as the performance of the tool. However it is incorrect to compare impact wrenches on torque figures alone, as there is no standard for measuring the torque. The specified torque is depending on various points: impact mechanism, weight, air consumption, quality.

Caution when tightening!

Impact wrenches were designed for untighten fixed joints. In practice they are also often used for the tightening nuts and bolts, but beware! Impact wrenches are, for example, a killer of soft joints. Because of the speed of the tool, the required torque will have been hit and over tightened very quickly. This could have serious consequences when it comes to the legal product liability regulations and the ISO certification. The tightening of nuts and bolts should be done by torque adjustable tools (see our impulse wrenches).

**For improved safety on the road:
the first impact wrench with pre-adjusted shut-off torque**

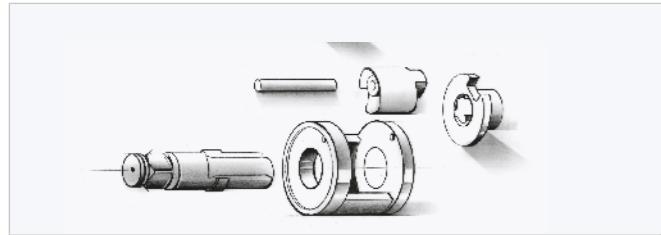


TOKU MI-590TR

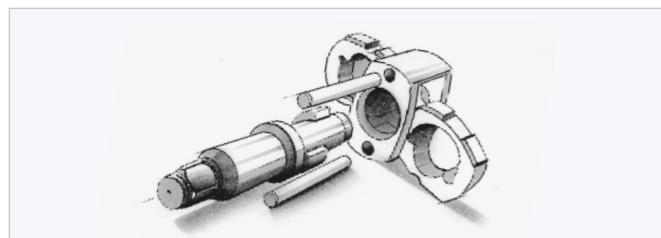
The TOKU MI-590TR has been developed to reduce the risks associated with over tightening wheel nuts within the Fleet management sector. The MI-590TR has an innovative shut off system that allows the wrench to be set to a required torque (450-700 Nm), with full power and no shut off in reverse rotation, this with the Dynapact hammer system that offers high speed wheel bolt removal, controlled tightening along with vastly reduced vibration levels. The tool that is essential for truck tire service.

Impact wrenches

Mechanisms



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



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



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

Air consumption

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

Method 1: Measure air consumption with continuous operation

Method 2: Measure with intermittent operation

Continuous operation

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

Intermittent operation

The air consumption is measured when the trigger is pulled

Impact wrenches

Pistol models



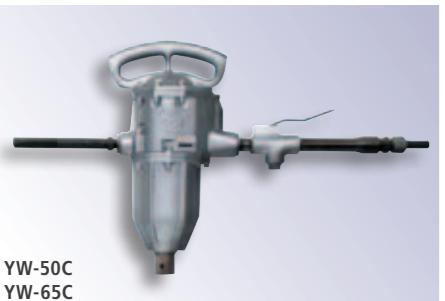
Type	Brand	Square drive	Type ⁴⁾	Bolt capacity mm	Impact-mechanism	RPM	Torque Nm	Power adjustment ⁵⁾	Air cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s ²	Noise level dB(A)
YW-6CL	YOKOTA	3/8"	H	6	1-Hamer	6.500	145	-	4,2	1,6	PT 1/4"	6,5	18	81
MI-12	TOKU	3/8"	R	12	Twin-Hammer	9.500	160	R/L 4 levels	5,3	1,2	PT 1/4"	6,5	9,9	82
MI-16M 3/8	TOKU	3/8"	R	12	Twin-Hammer	6.200	270	R/L 4 levels	5,3	1,5	PT 1/4"	6,5	4,6	87
RR-16N 3/8	RR	3/8"	R	12	Twin-Hammer	11.000	340	R 3 levels	5	1,3	PT 1/4"	6,5	4,6	83
RRI-17 3/8	RR	3/8"	R	16	Twin-Hammer	10.000	390	R 3 levels	5,5	1,3	PT 1/4"	10	6,8	89
MI-16M 1/2	TOKU	1/2"	R	12	Twin-Hammer	6.200	310	R/L 4 levels	5,3	1,5	PT 1/4"	6,5	4,6	87
RR-16N 1/2	RR	1/2"	R	14	Twin-Hammer	11.000	405	R 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-Hamer	6.900	430	R/L stepless	6,6	2,4	PT 1/4"	10	11	82
RRI-14	RRI	1/2"	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 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-Hamer	6.500	580	R/L 4 levels	7,5	2,8	PT 1/4"	10	13	84
MI-17HEG	TOKU	1/2"	R	16	Twin-Hammer	5.500	650	R/L 4 levels	8,3	2,4	PT 1/4"	10	7,4	88
RRI-21 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-Hamer	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	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
RR-27P	RR	1"	R+H	27	Twin-Hammer	6.000	2.250	R/L 3 levels	15	6,3	PT 1/2"	13	8,8	96
RR-36P	RR	1"	R+H	36	Twin-Hammer	5.000	2.700	R/L 3 levels	24	9,9	PT 1/2"	13	8,6	100
MI-3800PR	TOKU	1"	R+H	36	Closed hammer	4.500	2.100	R/L 4 levels	15	9,3	PT 1/2"	13	8	84
MI-3800PLR 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

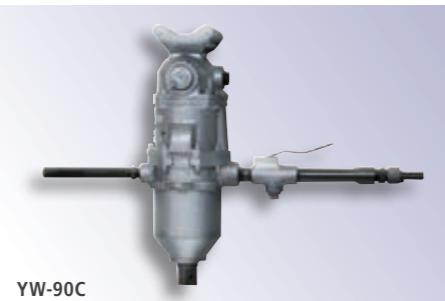
⁴⁾ Type: R = Ring type / H = Hole type / R + H = Ring + Hole type / ⁵⁾ All impact wrenches are right and left turning / "R 3 levels" means: 3 positions clockwise and counterclockwise full power

Impact wrenches

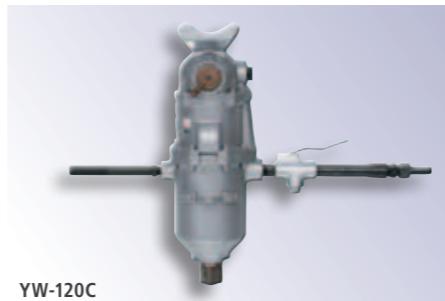
Heavy Duty models



YW-50C
YW-65C



YW-90C



YW-120C

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/SETSTD

RR-18N/SETSTD including:

- impact wrench RRI-18
- 5 x 1/2" impact sockets (SW 17-19-21-22-24)
- 1 x extension bar 100 mm
- blow mold case

MI-17HE/SETSTD



MI-17HE/SETLNG

MI-17HE/SETSTD including:

- impact wrench MI-17HEG
- 5 x 1/2" impact sockets (SW 17-19-21-22-24)
- 1 x extension bar 100 mm
- blow mold case

RR-18N/SETLNG



RR-18N/SETLNG

RR-18N/SETLNG including:

- impact wrench RRI-18
- 5 x 1/2" impact socket (SW 17-19-21-22-24 deep)
- 1 x extension bar 100 mm
- blow mold case

MI-17HE/SETLNG



MI-17HE/SETLNG

MI-17HE/SETLNG including:

- impact wrench MI-17HEG
- 5 x 1/2" impact sockets (SW 17-19-21-22-24 deep)
- 1 x extension bar 100 mm
- blow mold case

Impact wrenches

Straight models



RR-36E



RRI-37E



MI-38ESR



MI-38ELR



MI-590TR



MI-3800ESR



MI-3800ELR



MI-42ESR



MI-4500ESR



MI-4500ELR



MI-5500ES



RRI-1060

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)
RR-36E	RR	1"	R+H	36	Twin-Hammer	5.000	2.700	R/L 4 levels	24	11	PT 1/2"	13	8,6	102
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	1½"	H	52	Dynapact	2.800	5.500	R/L 4 levels	15	18,1	PT 1/2"	13	14,3	109
RRI-1060	RRI	1½"	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)

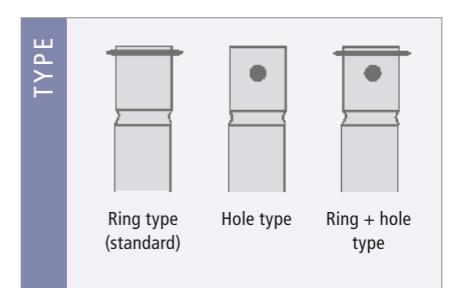
⁴⁾ Airconsumption of impact wrenches is measured under load

Bolt Cleaner Set MBC-30S



Bolt Cleaner Set MBC-30S contents:

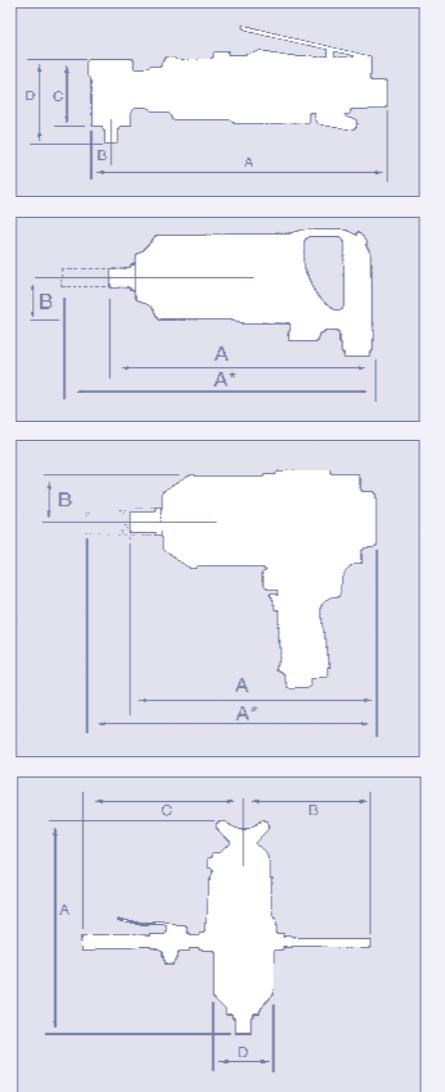
- One handheld airtool, 1800 rpm with 1/4" Hex chuck
- Four boltcleanercups with inner wirebrush, for M20, M24 and M30 bolts
- Three hole brushes, for M20, M24 and M30 nuts and holes
- One hole buff



Impact wrenches

DIMENSIONS

Type	A mm	A* mm	B mm	C mm	D mm
MI-12	150	-	24	-	-
MI-16	170	-	27	-	-
MI-17HEG	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-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	-	-
RR-27P	210	-	41	-	-
RR-36E	-	520	58	-	-
RR-36P	230	-	67	-	-
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	Spring ring	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

Order number	For type
AH0001020	MI-17HEG
AH0001030	MI-20P



Exhaust hose assembly

Order number	For type
EH-43-4033SUB	RRI-16/18/18T
EH-454051P	RRI-24

Battery impact wrenches



Type	Brand	Drive	Bolt capacity mm	RPM	Torque Nm	Weight kg	Battery voltage (Volt)	Battery type Li-ion (Ah)
RRI-BI217E SET	RRI	3/8"	10	2.300	217	1,95	14,4	3
RRI-BI474E SET	RRI	1/2"	16	1.800	474	3	19,2	3

RRI-BI series

RED ROOSTER now introduces two new cordless impact wrenches. Convenient shape for good handling. The impact wrenches are developed for assembly- and disassembly applications. Main areas of use: construction industry, workshop and agricultural industry.

These impact wrenches are delivered in blow molded case, including tool, two batteries and a quick-charger.

Characteristics:

- Sliding battery
- Power bar on the battery shows charge left
- Aggressive Dynapact clutch
- LED lamp illuminating the working area of the bolt head
- Safe working by means of the carrying strap
- Single push button for direction
- Stepless trigger
- Quick charger (1 hour)

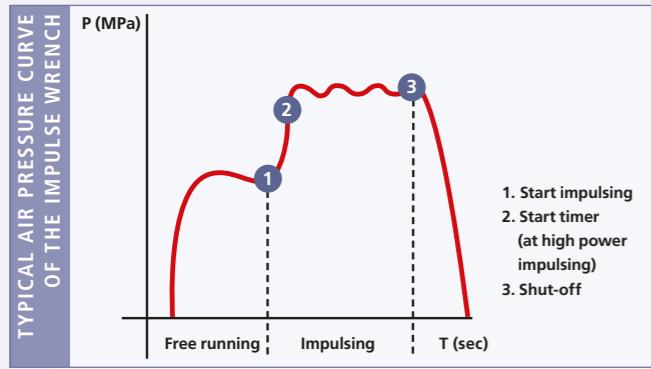


System wrenches

Poka Yoke⁺ System* (Torque levels 6 to 490 Nm)

Superior clampforces

Conventional shut-off impulse tools are shutting-off at point 2 in the graph. This is too early for a optimum joint quality because of the always occurring relaxation. The Poka Yoke⁺ controller controls the shut-off at point 3 in the curve, a number impulses after achieving the torque. By these extra impulses the relaxation is minimized with optimum clamp force and torque accuracy. The torque is adjusted at the impulse mechanism, in combination with the parameters set in the controller YTC 3 controls an accurate and reliable shut-off.



Controller YTC-3

- Power supply: 100 - 240V AC
- Input: 8
- Relay output: 4 (opening and shutting capacity: Max. DC-48W, AC-220VA)
- Output for solenoid valve: 1 (DC24V 2W)



System features

- Group control
- Controlled shut-off
- Double tightening detection
- Interlock with assembly line
- Error judgement on trigger release
- Teach-in mode for programming
- Oil deterioration indication

* The whole system is more accurate than shut-off or standard impulse wrenches..

System wrenches (Torque 4 to 600 Nm)



Controller YETC-230/330

YOKOTA has impulse wrenches with an integrated transducer (system wrenches). In combination with a controller YETC-230 / YETC-330 the torque can be set and judged. The measured torque can be stored in a computer or printed. With this system can be shown that the correct joint was made, in case of product liability claims.

The systems wrenches only need 1 to 2 seconds for each joint. The tools have no kick back and fit perfectly in a Poka Yoke assembly area.



Optional on TKa System Wrenches: integrated LED status-signal:

- Green = OK
- Red = not OK

Visible from every angle: left, right, from top and behind.



The transducer for the YEX, YED and TKa

The strain gauges are positioned on the main shaft, picking up the twisting torque on the main shaft at each impulse as close as possible to the socket. The electric signals are transmitted by induction through the internal- and external coils. Due to this principle the YOKOTA transducer is very reliable, accurate and without wear.

This catalogue only presents a small part of our System wrenches. The separate catalogue YOKOTA Impulse wrenches is available on demand, and shows a large variety of different options (see page 4).

Impulse wrenches

Hi-Tec series (up to max. 600 Nm)

Type

- Impulse wrenches
- System wrenches
- Poka Yoke⁺ system
- (Non) shut off tools
- Cordless impulse wrenches

Characteristics impulse wrenches

- Extremely low weight and good for use with non-lubricated air.
- Light, powerful, small and they have no kick-back.
- Double chamber air motor.
- Have proven themselves worldwide in the leading car- and general assembly industry, tightening threaded fasteners.



Non shut-off impulse wrench

Type	Square / Hex drive	Bolt capacity mm	RPM	Torque Nm*	Air cons. l/sec	Air cons. no load l/sec	Weight kg	Inlet-thread	Hose diameter mm	Dimensions A mm	Dimensions B mm	Vibration m/s ²	Noise-level dB(A)
YLa60A	1/4" Hex	6	4000	9 - 28	5	5,5	0,78	PT 1/4"	6,5	130	22	1,4	71
YLa70A	1/4" Square	6 - 8	7.000	20 - 28	5,5	6,1	0,8	PT 1/4"	6,5	132	22	1,4	74
YLa80A	1/4" Square	8	7.000	24 - 35	5,8	9	0,9	PT 1/4"	6,5	139	22	1,2	75
YLa60E	3/8" Hex	6	4000	13 - 22	5	5,5	0,78	PT 1/4"	6,5	130	22	1,4	71
YLa70E	3/8" Hex	6 - 8	7.000	20 - 35	5,5	5,5	6,1	PT 1/4"	6,5	132	22	1,4	74
YLa80E	3/8" Hex	8	7.000	33 - 50	5,8	9	0,9	PT 1/4"	6,5	139	22	1,2	75
YLa90E	3/8" Hex	8 - 10	6.500	47 - 70	6,7	11,8	1	PT 1/4"	10	148	24	1,2	78
YLa110E	1/2" Hex	10 - 12	6.000	65 - 105	9,6	13,1	1,4	PT 1/4"	10	164	26	1,8	81
YLa120E	1/2" Hex	12	6.600	80 - 130	10	15,6	1,8	PT 1/4"	10	172	28	2,2	82
YLa140E	1/2" Hex	14	6.000	100 - 160	13	18,9	2,2	PT 1/4"	10	190	30	2,4	84

* Note: Torque values are to be used as guideline only.

Shut-off impulse wrench

Type	Square / Hex drive	Bolt capacity mm	RPM	Torque Nm*	Air cons. l/sec	Air cons. no load l/sec	Weight kg	Inlet-thread	Hose diameter mm	Dimensions A mm	Dimensions B mm	Vibration m/s ²	Noise-level dB(A)
YLT50A	1/4" Hex	5	4.300	4,5 - 8	4,2	4,6	0,95	PT 1/4"	6,5	164	22,5	1,1	70
YLT60A	1/4" Hex	6	5.300	6 - 13	5,5	5,6	0,95	PT 1/4"	6,5	164	22,5	1,4	72
YLT70A	1/4" Hex	6-8	6.800	13 - 28	6	8,8	1,01	PT 1/4"	6,5	177	23	1,8	74
YLT50E	3/8" Square	5	4.300	4,5 - 8	4,2	4,6	0,95	PT 1/4"	6,5	164	22,5	1,1	72
YLT60E	3/8" Square	6	5.300	7 - 15,5	5,5	5,6	0,95	PT 1/4"	6,5	164	22,5	1,4	72
YLT70E	3/8" Square	6-8	6.800	15 - 32	6	8,8	1,01	PT 1/4"	6,5	177	23	1,8	74
YLT80E	3/8" Square	8	6.800	30 - 55	7,3	9,2	1,12	PT 1/4"	10	187	24,5	1,9	78
YLT110E	1/2" Square	10-12	5.800	50 - 85	8,3	13,5	1,51	PT 1/4"	10	194	28,5	1,8	81
YLT120E	1/2" Square	12	5.400	70 - 115	8,6	14,6	1,79	PT 1/4"	10	201	31	2,2	83
YLT140E	1/2" Square	14	5.200	110 - 150	11,8	16,6	2,08	PT 1/4"	10	214	32,5	5,2	85
YLT150	3/4" Square	16	4.400	140 - 210	11,8	17	2,95	PT 1/4"	10	237	38,5	6,2	85

* Note: Torque values are to be used as guideline only.

FEATURES

- **Maximum accuracy**
Extreme accurate and fast. Repeatability by new principle: shut-off valve and reset.
- **Maximum durability**
Check valve mechanism reduces load on the O-ring inside the oil pulse mechanism.
- **Maximum ergonomics**
Ergo touch / Ergo grip / Ergo trigger
- **Maximum environment**
Reduction of CO₂ emission / Low noise / Low vibration

This catalogue only presents a small part of our System wrenches. The separate catalogue YOKOTA Impulse wrenches is available on demand, and shows a large variety of different options (see page 4).

This catalogue only presents a small part of our Impulse wrenches. The separate YOKOTA brochure is available on demand, and shows a big variety of different options (see page 4).

Impact sockets



SIZE						
6-Point normal			1	Deep		
Type	A/F mm	DRAWING mm	D1 mm	D2 mm	L mm	L2 mm
Metric						
D00014-0-004	4	A	7,6	13	23	4
D00014-0-0045	4,5	A	8,2	13	23	5
D00014-0-005	5	A	8,8	13	23	5
D00014-0-0055	5,5	A	9,5	13	23	5
D00014-0-006	6	A	10	13	23	6
D00014-0-007	7	A	11,3	13	23	6
D00014-0-008	8	A	12,5	13	23	7
D00014-0-009	9	A	13,8	13	23	7
D00014-0-010	10	C	15	13	23	7
D00014-0-011	11	C	16,3	13	23	8
D00014-0-012	12	C	17	13	23	8
D00014-0-013	13	C	18,8	13	23	8
D00014-0-014	14	C	20	13	23	8
D00014-0-015	15	C	21	13	23	8

SIZE						
6-Point normal			3	deep		
Type	A/F mm	DRAWING mm	D1 mm	D2 mm	L mm	L2 mm
Metric						
D06050P050	5	A	8,8	13	23	3
D06050P055	5,5	A	9,5	13	23	3
D06050P060	6	A	10	13	23	3
D06050P070	7	A	11,3	13	23	3
D06050P080	8	A	12,5	13	23	3
D06050P090	9	C	13,8	13	23	4
D06050P100	10	C	15	13	23	4
D06050P110	11	C	16,3	13	23	5
D06050P120	12	C	17	13	23	5
D06050P130	13	C	18,8	13	23	5
D06050P140	14	C	20	13	23	6
D06050P150	15	C	21	13	23	6

SIZE						
Torx® internal						5
Type	A/F	Drawing	D2 mm	L mm	L1 mm	-
Metric						
D064701005	T5	F	13	35	2,0	-
D064701006	T6	F	13	35	2,0	-
D064701007	T7	F	13	35	2,0	-
D064701008	T8	F	13	35	2,0	-
D064701009	T9	F	13	35	2,0	-
D064701010	T10	F	13	35	2,8	-
D064701015	T15	F	13	35	2,8	-
D064701020	T20	F	13	35	2,8	-
D064701025	T25	F	13	35	3,0	-
D064701027	T27	F	13	35	3,0	-
D064701030	T30	F	13	35	3,8	-



SIZE						
6-Point normal			6	Deep		
Type	A/F mm	DRAWING mm	D1 mm	D2 mm	L mm	L2 mm
Metric						
D01038-0-006	6	A	11	19	30	4
D01038-0-007	7	A	12,5	19	30	8
D01038-0-008	8	A	14	19	30	8
D01038-0-010	10	A	16	19	30	8
D01038-0-012	12	B	19	19	30	9
D01038-0-013	13	A	20	22	30	9
D01038-0-014	14	A	21	22	30	9
D01038-0-015	15	B	22	22	30	11
D01038-0-016	16	C	24	22	30	11
D01038-0-017	17	C	25	22	30	11
D01038-0-019	19	C	27,5	22	30	11
D01038-0-024	24	C	34	23	30	13

SIZE						
6-Point normal			3	Deep		
Type	A/F mm	DRAWING mm	D1 mm	D2 mm	L mm	L2 mm
Metric						
D06051P006	6	A	11,5	19	30	3
D06051P007	7	A	12,5	19	30	3
D06051P008	8	A	14	19	30	3
D06051P009	9	A	15	19	30	4
D06051P010	10	A	16,5	19	30	4
D06051P011	11	A	17,5	19	30	5
D06051P012	12	B	19	19	30	5
D06051P013	13	A	20	22	30	5
D06051P014	14	A	21,5	22	30	6
D06051P015	15	B	22	22	30	6
D06051P016	16	C	24	22	30	6
D06051P017	17	C	25	22	30	6
D06051P018	18	C	26	22	30	7
D06051P019	19	C	27,5	22	30	7

SIZE						
Hex driver (inbus)						8
Type	A/F mm	Drawing	D2 mm	L1 mm	L mm	-
Metric						
D0696204A	4	F	19	16	50	-
D0696205A	5	F	19	16	50	-
D0696206A	6	F	19	16	50	-
D0696208A	8	F	19	16	50	-
D0696210A	10	F	19	16	50	-
D0696212A	12	F	19	16	50	-
D0696214A	14	F	19	16	50	-

Other versions of impact sockets are available (magnetic, thinwalled, other sizes). Ask for our special socket-catalogue on page 4.

Impact sockets

Impact sockets

1/2"

SIZE

Torx® internal

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

SIZE

Torx® external

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

SIZE

6-Point normal

Type	A/F	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	40	15	DO6052R021	83	15
DO6052P022	22	C	32,5	30	40	15	DO6052R022	90	15
DO6052P023	23	C	34	30	40	15	DO6052R023	90	15
DO6052P024	24	C	35	30	45	18	DO6052R024	90	18
DO6052P025	25	C	36	30	45	18	DO6052R025	90	18
DO6052P026	26	C	38	30	50	18	DO6052R026	90	18
DO6052P027	27	C	39	30	50	19	DO6052R027	90	19
DO6052P028	28	C	40	30	50	19	DO6052R028	90	19
DO6052P029	29	C	41	30	50	19	DO6052R029	90	19
DO6052P030	30	C	42,5	30	50	21	DO6052R030	90	21
DO6052P032	32	C	44	30	50	22	DO6052R032	90	22
DO6052P033	33	C	46,5	30	50	22	DO6052R033	90	22
DO6052P036	36	C	50,5	30	50	24	DO6052R036	90	24

SIZE

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

Type	A/F	Drawing	D1 mm	D2 mm	L mm	L2 mm
Metric						
DO61126015 (white)	15	H	22	30	85	13
DO61126017 (blue)	17	H	24	30	85	14
DO61126019 (yellow)	19	H	26	30	85	15
DO61126021 (red)	21	H	28	30	85	17
DO61126022 (green)	22	H	29,5	30	85	18
DO61126024	24	C	35	30	45	10

SIZE

12-Point normal

Type	A/F	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
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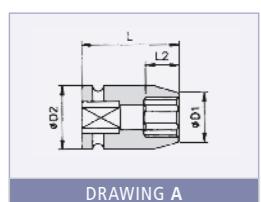
Impact sockets



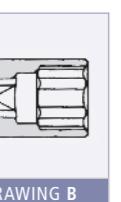
SIZE						
6-Point normal			1	Deep		2
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm
Metric						
DO4010-0-017	17	A	34	54	58	12
DO4010-0-019	19	A	35,5	54	58	13
DO4010-0-022	22	A	40	54	58	15
DO4010-0-024	24	A	42	54	58	19
DO4010-0-027	27	A	46	54	58	19
DO4010-0-028	28	A	47	54	58	19
DO4010-0-029	29	A	48	54	60	19
DO4010-0-030	30	A	50	54	60	21
DO4010-0-032	32	A	52	54	60	21
DO4010-0-033	33	A	53	54	60	21
DO4010-0-036	36	C	57	54	65	25
DO4010-0-038	38	C	59,5	54	67	25
DO4010-0-041	41	C	64	54	74	27
DO4010-0-042	42	C	65	54	74	27
DO4010-0-046	46	C	69,5	54	74	30
DO4010-0-050	50	C	74	54	80	35
DO4010-0-055	55	C	81	54	84	35
DO4010-0-060	60	C	87	54	87	42
DO4010-0-065	65	C	93	54	90	42
DO4010-0-070	70	C	100	54	96	42
DO4010-0-075	75	C	104	86	98	45
DO4010-0-080	80	C	109	86	100	48

SIZE						
12-Point normal			3	Deep		4
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm
Metric						
DO65855016	16	A	32	54	60	11
DO65855017	17	A	34	54	60	11
DO65855018	18	A	35	54	60	13
DO65855019	19	A	36	54	60	13
DO65855020	20	A	37	54	60	13
DO65855021	21	A	38	54	60	15
DO65855022	22	A	39	54	60	15
DO65855023	23	A	40	54	60	15
DO65855024	24	A	41	54	60	18
DO65855025	25	A	43	54	60	18
DO65855026	26	A	44,5	54	60	18
DO65855027	27	A	45	54	60	19
DO65855028	28	A	46,5	54	62	19
DO65855029	29	A	48	54	62	19
DO65855030	30	A	50	54	62	21

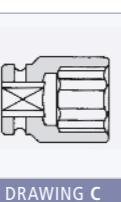
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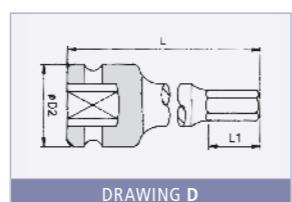
DRAWING A



DRAWING B



DRAWING C



DRAWING D

Impact sockets



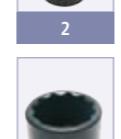
SIZE						
12-Point normal			5	Deep		6
Type	A/F mm	DRAWING	D1 mm	D2 mm	L mm	L2 mm
Metric						
DO65855031	31	A	51	54	62	21
DO65855032	32	A	52	54	62	22
DO65855033	33	A	53	54	62	22
DO65855034	34	C	55	54	62	22
DO65855035	35	C	56	54	65	22
DO65855036	36	C	57	54	67	24
DO65855037	37	C	59	54	67	24
DO65855038	38	C	60	54	67	24
DO65855039	39	C	61	54	70	24
DO65855040	40	C	62	54	70	24
DO65855041	41	C	63,5	54	70	27
DO65855042	42	C	65	54	74	27
DO65855043	43	C	66	54	74	27
DO65855044	44	C	67	54	74	27
DO65855045	45	C	68	54	74	27
DO65855046	46	C	70	58	76	30
DO65855047	47	C	71,5	58	76	30
DO65855048	48	C	72,5	58	76	30
DO65855050	50	C	75	62	80	32
DO65855051	51	C	76	62	80	32
DO65855052	52	C	77	62	84	32
DO65855053	53	C	78	62	84	32
DO65855054	54	C	80	62	84	32
DO65855055	55	C	81	62	84	35
DO65855056	56	C	82	62	84	35
DO65855057	57	C	84	62	84	35
DO65855058	58	C	85	62	87	37
DO65855060	60	C	87	62	87	37
DO65855062	62	C	89	62	87	37
DO65855063	63	C	90	62	87	37
DO65855065	65	C	93	62	90	40
DO65855067	67	C	96	62	92	40
DO65855070	70	C	100	62	96	40
DO65855075	75	C	106	86	98	42
DO65855076	76	C	107	86	100	45
DO65855077	77	C	109	86	100	45
DO65855078	78	C	110	86	100	45
DO65855080	80	C	112	86	100	45
DO65855085	85	C	118	86	105	52
DO65855090	90	C	125	86	105	52
DO65855095	95	C	131	86	105	52
DO65855100	100	C	137	86	110	58
DO65855105	105	C	143	95	110	58
DO65855110	110	C	149	95	115	62
DO65855115	115	C	155	95	115	62



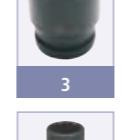
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2



3



4



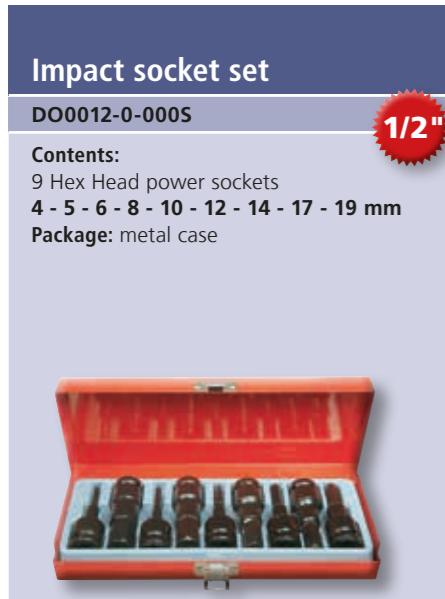
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6

SIZE					
Hex driver (inbus)			1		
Type	A/F mm	Drawing	D2 mm	L mm	L1 mm</th

Impact socket sets



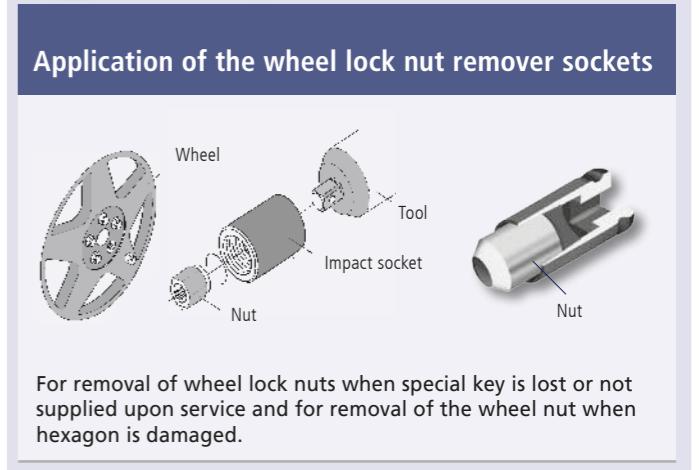
Impact socket sets



Impact sockets are also available as single sockets

Type	SW mm	Colour	D1 mm	D2 mm	L mm	L1 mm	L2 mm
Metric							
D061126015	15	white	25	30	85	60	13
D061126017	17	blue	27	30	85	60	14
D061126019	19	yellow	29	30	85	60	15
D061126021	21	red	31	30	85	60	17
D061126022	22	green	32,5	30	85	60	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

Type	A/F mm	Colour	D1 mm	D2 mm	L mm	L1 mm	L2 mm
Metric							
D06112J017	17	blue	27	25	130	87	24
D06112J019	19	yellow	29	30	130	87	24
D06112J021	21	red	31	30	130	87	24
D06112J022	22	green	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.

Ratchet wrenches



Ratchet wrenches 1/4" - 3/8" - 1/2" square drive

Type	Brand	Square-drive	Bolt capacity mm	RPM	Torque Nm	Air cons. l/s	Weight kg	Inlet-thread	Hose-diameter mm	Vibration m/s²	Noise-level dB(A)
RRW-2202	RR	1/4"	8	270	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	270	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	135	120	8,0	1,9	PT 1/4"	10	2,3	88

Reactionless ratchet wrenches

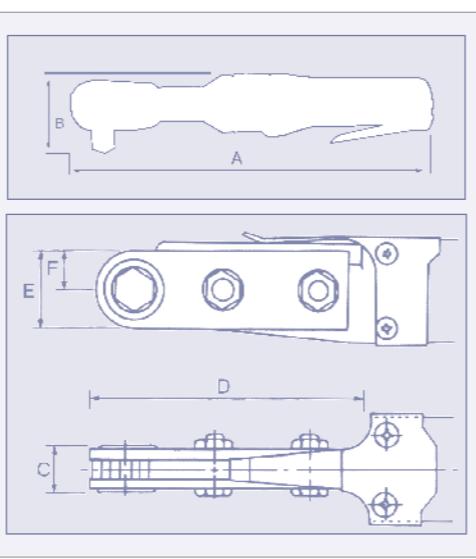
RRW-3403	RR	3/8"	12	500	95	6,0	1,28	PT 1/4"	6,5	4,5	91
RRW-3404	RR	1/2"	12	500	95	6,0	1,28	PT 1/4"	6,5	4,5	91

Ratchet wrenches for the assembly industry

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.

Type	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/s²	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	12,0	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

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⁾	YOKOTA	1/4" Hex	6	Pistol	7.500	90	6,1	0,98	PT 1/4"	6,5	1,5	75

Direct drive

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

What to choose

Type	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	■	■	■	■	■		
Clutch type mechanism	■	■	■	■	■	■	
Shut-off mechanism	■	■	■	■	■	■	■

■ recommended ■ OK ■ not OK

Impact sockets for screwdrivers

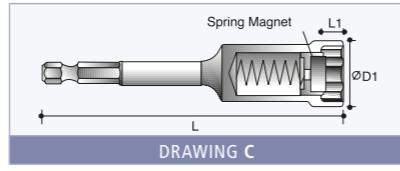
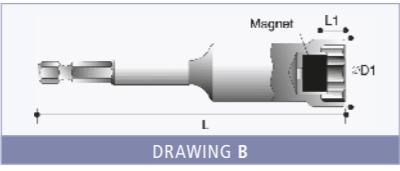
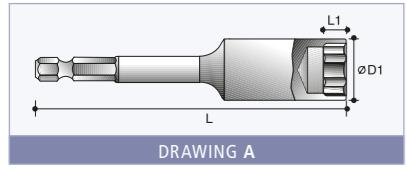
1/4" Drive

SIZE						1
6-Point						1
Type	SW mm	DRWG	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	

SIZE						2
6-Point deep magnetic						2
Type	□A mm	DRWG	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	

SIZE						2
6-Point magnetic						2
Type	SW mm	DRWG	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	

Application example



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/s²	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 / RRI-06SP	214	-	165
	YD-5A	200	19	-	RR-06SC	227	150	155
	YD-5PHCA	217	20	154	RR-02SC	260	50	-
	YD-40PZ	107	18	125	RR-0800DD	190	-	165
	YD-400SCA	209	16,5	-	RR-1800DD	175	-	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		Side handles	
	YD-3A	Push start	RR-0800DD	Trigger start	RR-06SP	Order number

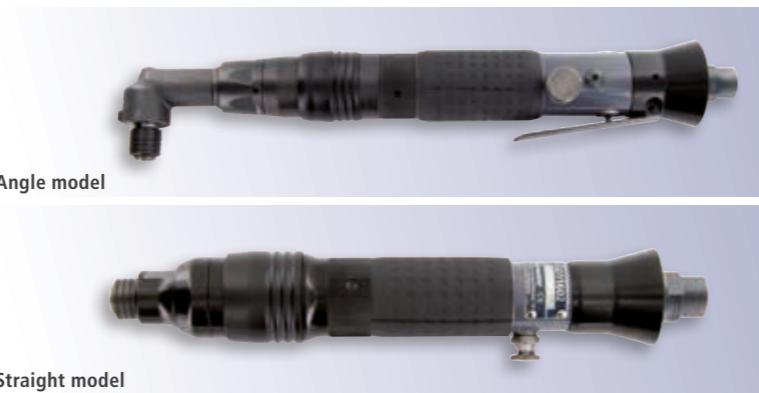
Shut-Off screwdrivers

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).



Pistol model



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	Square/ 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

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

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 - 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						

Cordless shut-off screwdriver



RRI-BS serie Cordless shut-off screwdrivers with automatic shut-off

For assembly applications where torque accuracy is required and areas where pneumatic or electric tools are impractical to use due to hoses/cables.

Characteristics:

- Brushless motor
- 18 Volt Lithium-Ion battery
- Led status indicates OK-NOK-REVERSE-BATTERY LOW
- Adjustable torque
- Speed 250 to 1.550 RPM
- Compact and light weight



Type	Volt. V	Drive size in	Screw size mm	Torque range Nm	Free speed RPM	Weight w/o Batt. kg
RRI-BS3	18	1/4" Hex	M3-M4	0,8-3	500-1.550	0,95
RRI-BS6	18	1/4" Hex	M3-M5	1-6	300-900	0,95
RRI-BS9	18	1/4" Hex	M3-M5	1,5-9	300-700	0,95
RRI-BS12	18	1/4" Hex	M4-M6	2-12	250-550	0,95

ACCESSORIES

Charger & Li-ion battery



Charger

Li-ion-battery

Type	Order number
Charger (40 min.)	B84192B
Li-ion-battery 18V 2 Ah	BB180C-320
Li-ion-battery 18V 4 Ah	BB180C-340
Power cord	E86B-VD European style
	E86B-UK UK style

Programmer with USB connection



Type	Order number
Programmer	B74SC180B

Torque adjustment key



Type	Order number
Torque adjustment key	00-4507

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/s²	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 ³⁾	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 ³⁾	RR	13	3/8" x 24 UNF	L/R	800	0,35	8	1,3	PT 1/4"	10	4	83
RRI-2116P ¹⁾	RRI	16	1/2" x 20 UNF	R	950 ²⁾	0,50	11	2,4	PT 1/4"	10	1,8	82

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

Angle model

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
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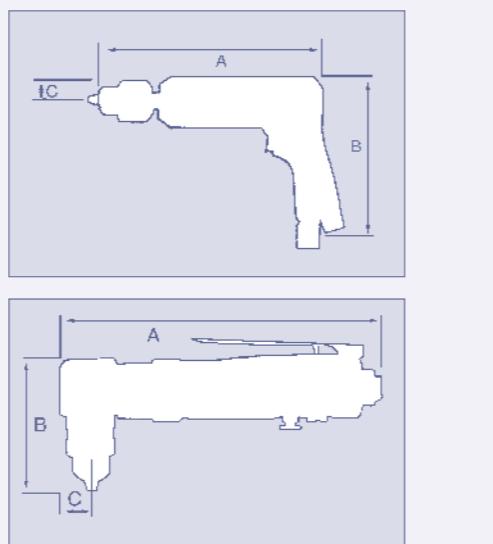
Straight model

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

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

Side handles

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

keys for drill chucks

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

* Supplied as standard

Dowel pin pullers

For matrix, casting and press-moulding



YDP-13

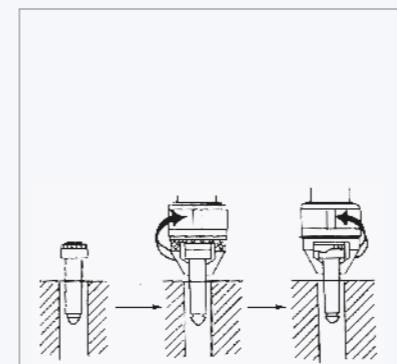


YDP-20

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.

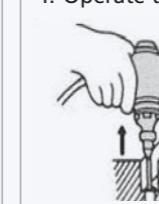
Type	Brand	Capacity pin mm	Stroke mm	Blows min ⁻¹	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm
YDP-13	YOKOTA	13	30 x 25	5.000	3,3	1,35	PT 1/4"	6,5
YDP-20	YOKOTA	20	36 x 33	2.700	4,3	2,10	PT 1/4"	6,5

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.



ACCESSORIES

Hanger bolts for YDP-13

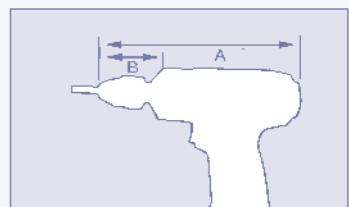
Hanger bolts for YDP-13	Order number
M8 x 29L	6502-0022-00-01
M6 x 23L	6502-0022-00-02
M5 x 21L	6502-0022-00-03
M4 x 21L	6502-0022-00-04
M8 x 50L	6502-0022-00-05
M8 x 100L	6502-0022-00-06
M8 x 150L	6502-0022-00-07
M8 x 200L	6502-0022-00-08
M6 x 50L*	6502-0022-00-09
M6 x 100L	6502-0022-00-10
M6 x 150L	6502-0022-00-11
M6 x 200L	6502-0022-00-12
M5 x 50L*	6502-0022-00-13
M5 x 100L	6502-0022-00-14
M5 x 150L	6502-0022-00-15
M5 x 200L	6502-0022-00-16
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

Hanger bolts for YDP-20

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

L = Length
Supplied as standard

DIMENSIONS



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

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	RRA	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



These RED ROOSTER Air turbine grinders with high RPM are specifically designed for grinding with carbide cutters.

The turbine motor ensures a very steady speed of the axle, with and without load.

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 (8) ²⁾	4,6	0,7	PT 1/4"	6,5	1,68	79
RRG-500REL	RR	35	20.000	0,37	6 (8) ²⁾	4,6	1,4	PT 1/4"	6,5	1,68	79
RRG-1000RE	RR	35	22.000	0,74	6 (8) ²⁾	11	1,8	PT 1/4"	10	2,9	89
RRG-1000REL	RR	35	22.000	0,74	6 (8) ²⁾	11	2,6	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	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: 51224-18

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 and nuts see p. 41-42.

Grinders

Straight models



GS-2EFS TSG-3L TSG-4L TSG-5L TSG-6L

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

* Vibration reduced

Vertical grinders



7VC-6500FS / 7VC-8500FS

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	Spindle (Whitworth) mm	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRG-1040AL	RRA	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*	RRA	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*	RRA	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*	RRA	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.

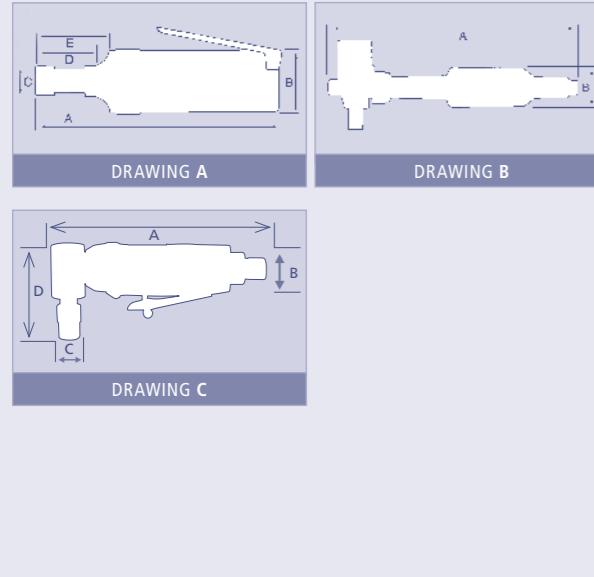
All angle grinders are supplied with an vibration reduced side handle, with exception of the G-40SRF.

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



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

Grinders

ACCESSORIES

Rubber pads



Type	Order number	Description
TAG-45MLH	9310-3008-00-00	Disc 100 x 22 mm Paper 115 x 22 mm
TAG-50MLH	9310-3008-00-00	Disc 110 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	9310-3006-00-00	* Disc 175 x 22 mm Paper 180 x 22 mm
7VC-6500FS	1508-0654-00-01	Outer flange
7VC-8500FS	1508-0655-00-00	Outer wheel screw

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

Accessories for rubber pads

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

* 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	9310-3006-00-99	Disc 175 x 22 mm Paper 180 x 22 mm
7VC-6500FS	1508-0653-01-02	Inner flange
7VC-8500FS	8100-4003-00-01	Angle spanner
7VC-6500FS	8100-1005-00-00	Pin spanner
7VC-6500FS	8100-5001-00-00	Double key spanner

Accessories for flat cut-off discs

Type	Order number	Description
G-40EF	1508-0653-00-03	Inner flange
7VC-6500FS	1508-0654-00-02	Outer flange
7VC-8500FS	1117-0653-00-02	Inner flange 22 mm
G-70EF	1508-0654-00-02	Outer flange 22 mm
G-40/G-50 EF/RF	1117-0655-00-00	Outer wheel screw for 22 mm flange

Standard flanges and outer wheel screws



Type	Order number	Description
TAG-40FLH	42-05-77-171	* Outer flange
TAG-40FLH	13-17-08-020	* Outer wheel screw
TAG-45MLH	42-05-80-H00	* Outer flange
TAG-700 QJL	2700-040-00	* Outer flange
TAG-900 QJL	2700-041-00	* Outer wheel screw
G-40SRF	1105-0654-02-02	* Outer flange
G-40SRF	1105-0656-02-00	* Outer wheel screw
G-70EF	1422-0653-00-99	* Inner flange
7VC-6500/8500	1508-0654-00-01	* Outer flange
7VC-6500/8500	1508-0655-00-00	* Outer wheel screw
RRG-2034	5D-619238	* Inner flange
RRG-2044	5D-619240	* Outer flange
RRG-2055	5D-619240	* Outer flange

* Supplied as standard

Accessories for cup stones / cup brushes



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

Grinders

ACCESSORIES

Collet chucks



Type	Order number	Description
MG-0A	1013-0661-01-99	* 6 mm
MG-0C	1011-0661-00-00	* 6 mm
MG-1B	42-04-90-K10	* 6 mm
MG-7206B	NVK-A10 T5-07-10-270 T5-07-10-27A	- 3 mm * 6 mm - 1/4"
MG-7236B	3003-035-00	* 6 mm
GS-2EFS / TSG-3L	1104-0661-01-99	- 6 mm
RRG-200RE(L) RRG-200RE(L)	51224	* 6 mm
RRG-500RE	51224-18	8 mm
RRI-3407	315073 315018	- 6 mm * 8 mm

* Supplied as standard

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 7VC6500FS 7VC8500FS	8100-5002-00-00	* Twin wrench
G-70EF 7VC6500FS 7VC8500FS	8081-0020-00-00	* Spanner H32
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 TAG-900QJL	8081-0022-00-00	* Spanner H41
TAG-40FLH TAG-45MLH TAG-50MLH TAG-700QJL TAG-900QJL	9610-1010-00-00	* Hex wrench H10
RRI-GT50F	828832	* Forked wrench

* Supplied as standard

M14 x 2 Quick nut

Type	Order number
RRG-2044	QN-M14
RRG-2055	
RRI-G50	
RRI-G70	
TAG-45MLH	
TAG-50MLH	



Adapters

Type	Description
MG-0A, MG-0C, MG-1B	3 mm for 6 mm collet chuck
MG-7206B, MG-7236B	
RRG-500RE(L), RRG-200RE(L)	
RRG-1000RE(L)	
RRI-2090	
RRI-3325(L/EL)	
RRI-3407, RRI-3506	
RRI-T3340, RRI-T5625	



Sanders



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. NV = No dust extraction / CV = For connection to central dust extraction / SV = Self created Vacuum for dust extraction

Wire brush sander

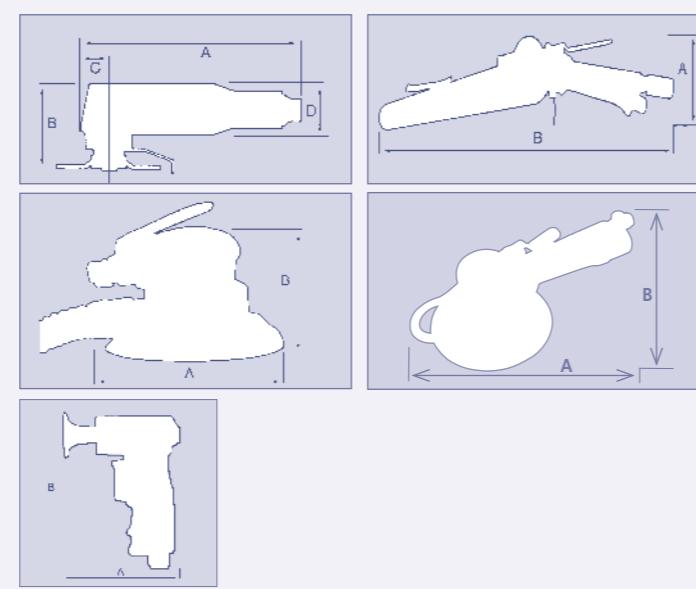
Type	Brand	Pad size mm	Stroke mm	RPM	Power kW	Spindle	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRB-280	RRI	80 ¹⁾	-	8.000	0,45	M14 x 2 ²⁾	9,6	1,5	PT 1/4"	10	9	80

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

Sanders

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-60152	116	140	-	-



ACCESSORIES

		Sanding pads		Order number
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	Velcro Sanding Pad, Ø 75 mm		

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

		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

Belt- and mini sanders

Belt sanders



RRG-3617K



RRG-3611



RRG-3621



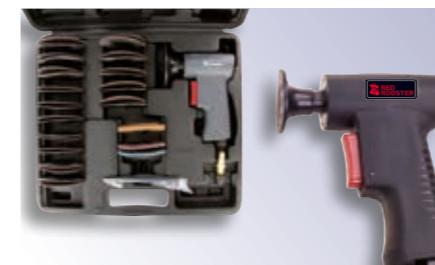
RRG-3630

Type	Brand	Belt size mm	RPM	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s²	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

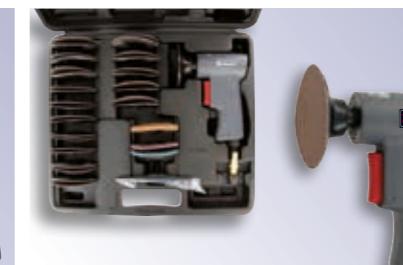
The RRG-3617K is the same as model RRG-3611 however supplied as set. This set contains a sanding arm 6 x 330 and a sanding arm 10 x 330 mm (1 tool, 2 applications).

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.

Mini sanders



RRS-60152K



RRS-60152



RRS-60153K



RRS-60323K

Type	Brand	Pad size mm	RPM	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s²	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

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.

¹⁾ RRS-60152 = mini sander Ø50 mm (Roloc™-Pad)

²⁾

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)
RRH-2000	RR	Ø 11 x Ø 12,7 x 40	17,4	42	5.000	4,5	8,4	1,5	PT 1/4"	10	8	88
RRI-4021/4	RRI	Ø 11 x Ø 12,7 x 40	18	30	4.500	3,5	10	2,2	PT 1/4"	10	3,5	88
RRH-4210	RR	Ø 10,2 x 40	19	50	3.500	6,7	4	1,5	PT 1/4"	6,5	8	90
RRH-4210K	RR	Ø 10,5 x Ø 12,5 x 50	19	50	3.500	6,7	4	1,5	PT 1/4"	6,5	8	90
TFC-200F	TOKU	□ 12,7	20	10	12.000	1,5	4,1	1,1	PT 1/4"	6,5	14,3	91
TFC-257H	TOKU	□ 12,7	25	34	4.000	7,9	6,7	1,73	PT 1/4"	10	14	92
F-25	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	□ 12,3 x 16 x 28	25	32	4.000	7,4	3	2,6	PT 1/4"	6,5	9,4	93
BRH-6	YOKOTA	Ø 10,2 x 40	20	60	3.500	9	6,6	1,4	PT 1/4"	10	17	95
AA-OBR(H)	TOKU	Ø 12,7 x Ø 15 x 53	20	50	3.600	7,5	5,8	2,6	PT 3/8"	6,5	12	89
AA-1.3BR(H)19x50 ¹⁾	TOKU	Ø 19 x 50	24	58	2.800	12,7	7,5	4,5	PT 3/8"	10	10	93
THA-2BRH19x50	TOKU	Ø 19 x 50	28,5	51	2.300	15,7	14,2	6,8	PT 3/8"	13	11,6	93
THA-3BRH19x50	TOKU	Ø 19 x 50	28,5	64	2.200	19,9	15	7,2	PT 3/8"	13	8	93
THA-4BRH19x50	TOKU	Ø 19 x 50	28,5	102	1.800	31,8	15,8	7,8	PT 3/8"	13	11,6	93
TCD-20	TOKU	Ø 22 x 82	43	60	2.000	42,4	18	11,4	PT 1/2"	13	16	106

¹⁾ Also available with shank size Ø 17,5 mm

RRH-4210KSET 	RRH-4210SET including: <ul style="list-style-type: none"> • Hammer RRH-4210 	RRH-4210KSET including: <ul style="list-style-type: none"> • Hammer RRH-4210K • 4 chisels: flat chisel, wide chisel, mail point, muffler cutter
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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	Ø 25 x 108	44	146	1.400	110	26	19	PT 3/4"	19	19,1	106
TPB-40SV ¹⁾	TOKU	Ø 25 x 108	40	146	1.050	110	26	19,5	PT 3/4"	19	5,5	106
TPB-501SV ¹⁾	TOKU	Ø 32 x 160	50	156	1.250	151	25	28,1	PT 3/4"	19	5,3	107
TPB-60	TOKU	Ø 32 x 160	57	100	1.400	125	27	30	PT 3/4"	19	9,7	110

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	Ø 19 x Ø 14,8 x 89	38	31	3.400	420	17	14	5,8	PT 3/8"	13	14	95
TJ-15SBS	TOKU	Ø 22 x 82	54	45	2.450	250	44,7	26	17,4	PT 3/4"	19	30	99
TJ-15SV LBS ¹⁾	TOKU	Ø 22 x 108	54	45	2.450	250	44,7	26	17,7	PT 3/4"	19	7	99
TJ-15SV SBS ¹⁾	TOKU	Ø 22 x 82	54	45	2.450	250	44,7	26	17,4	PT 3/4"	19	7	99
TJ-20SV LBS ¹⁾	TOKU	Ø 22 x 108	68	49	2.400	200	72	41	19	PT 3/4"	19	10,8	100
TJ-20SV SBS ¹⁾	TOKU	Ø 22 x 82	68	49	2.400	200	72	41	19	PT 3/4"	19	10,8	100

¹⁾ Vibration reduced



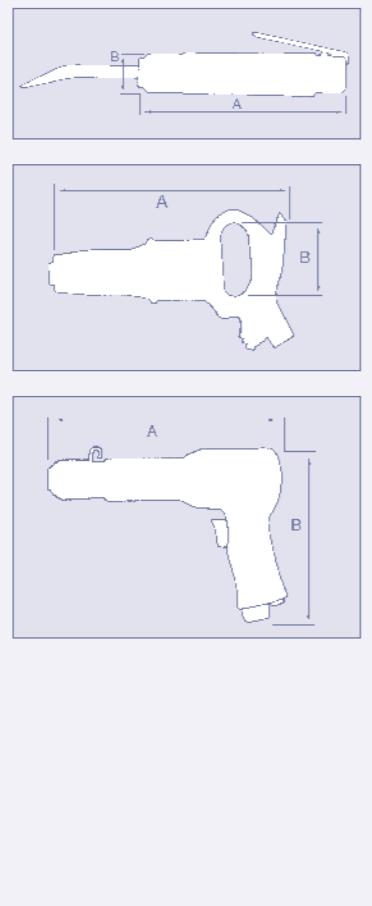
Vibration reduced
Vibration reduction in the TOKU hammers, breakers and drills
enables longer working hours.

SHANK SIZE		A		B		C	
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				

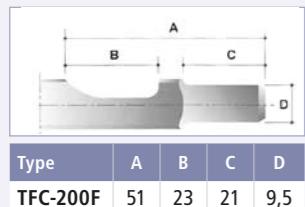
Hammers

DIMENSIONS

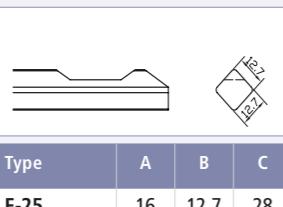
Type	A mm	B mm
AA-OBR(H)	245	95
AA-1.3BR(H)	300	76
BRH-6	200	149
F-25	310	43
RR-0315	320	43
RRH-2000	165	140
RRH-4210	217	131
RRH-4210K	217	131
RRI-4021/4	255	100
TCD-20	520	100
TFC-200F	189	40
TFC-257H	330	43
TH-5S	425	250
THA-2BRH19x50	350	87
THA-3BRH19x50	422	87
THA-4BRH19x50	430	87
TJ-15	468	340
TJ-20	385	585
TPB-40	660	390
TPB-40SV	649	390
TPB-501SV	714	390
TPB-60	645	400



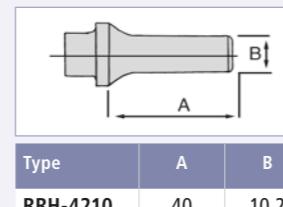
SHANK SIZE



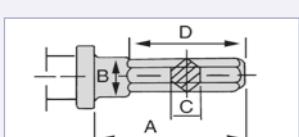
Type	A	B	C	D
TFC-200F	51	23	21	9,5



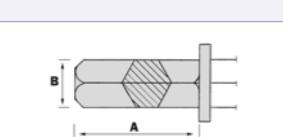
Type	A	B	C
F-25	16	12,7	28
RR-0315	16	12,7	28
TFC-257H	13	12,7	27



Type	A	B
RRH-4210	40	10,2
RRH-2000	40	12,7
RRI-4021/4	40	12,7
RRH-4210K	50	12,5



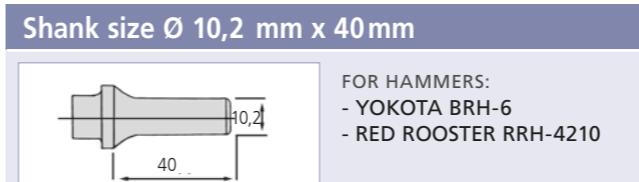
Type	A	B	C
AA-OBR(H)	53	15	12,7



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

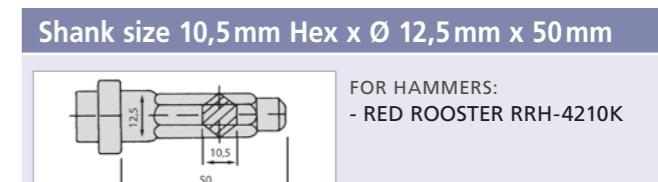
Chisels for air hammers

DIMENSIONS



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
BE101004	Panel cutter	131	15
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
BE101015	Wide cutting bent	130	33
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



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
BE151025	Rivet cutter	109	23
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



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

Order number	Description	L (mm) total	B (mm)
CB51109165	Flat chisel	165	18
CB51112180	Wide flat chisel	180	33
CB51104190	Wide flat chisel	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

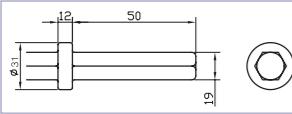


Order number	Description	L (mm) total	B (mm)
CB5100105/3	Moil point	200	-
CB5100102/3	Flat chisel	110	24
CB5100104/3	Flat chisel	180	24
CB5100103/3	Wide flat chisel	180	40
CB5100107/35	Wide flat chisel	180	60
CB5100115/3	Wide flat chisel	180	100
CBMCOVAXS	Slotting tool with carbide tip	120	35
CBMCOVAXL	Slotting tool with carbide tip	140	35

Chisels for air hammers

Chisels for air hammers

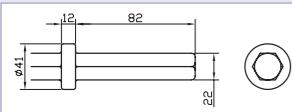
Shank size 19 mm 6-Kt x 50 mm



FOR HAMMERS:
 - TOKU AA-1.3BR(H) 19x50
 - TOKU AA-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	30
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

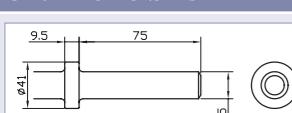
Shank size 22 mm Hex x 82,5 mm



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
B2000NC	Flat chisel	2.000	24

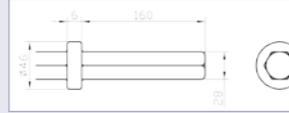
Shank size 25 mm Hex x 108 mm



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

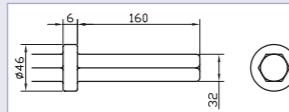
Order number	Description	L (mm) under the collar	B (mm)
MP3	Moil point	380	-
MP3-450	Moil point	450	-
MP3-1000	Moil point	1.000	-
MP3-1500	Moil point	1.500	-
MP3-2000	Moil point	2.000	-
NC3	Flat chisel	380	25
NC3-450	Flat chisel	450	25
NC3-1000	Flat chisel	1.000	25
NC3-1500	Flat chisel	1.500	25
NC3-2000	Flat chisel	2.000	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

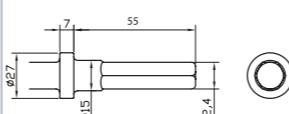


FOR HAMMERS:
 - TOKU TPB-50N,
 - TOKU TPB-501SV
 - TOKU TPB-60

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
E1	Tagger plate shank	350	-
CB203001	Sheet board driver	-	57
CB912905*	Tamper plate	-	-

* Diameter 125 mm

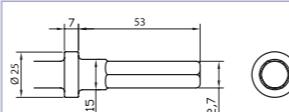
Shank size 12,4 mm Hex / Ø 15 mm x 55 mm



FOR HAMMER:
 - BMH19

Order number	Description	L (mm) under the collar	B (mm)
CB1911190	Flat chisel	190	23
CB1918200	Wide flat chisel	200	50
CB1917210	Wide flat chisel	210	95

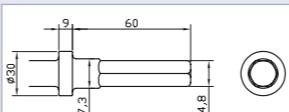
Shank size 12,7 mm Hex / Ø 15 mm x 53 mm



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 14,8 mm Hex / Ø 17,3 mm x 60 mm



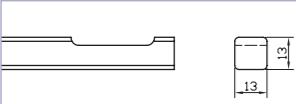
FOR HAMMERS:
 - TOKU AA-1.3B, AA-3B (OLD SERIES)

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	380	22
CB3211330	Flat chisel	253	20
CB424	Flat chisel	140	50
CB426	Flat chisel	137	38
CB3218200	Wide flat chisel	200	50
CB3217210G	Wide flat chisel, bent	210	95

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

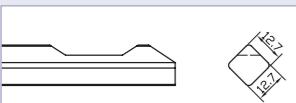
Chisels for air hammers

Shank size 13 mm square, with RRC recess



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
CBMCORRC13.2	Slotting tool with carbide tip	150	38

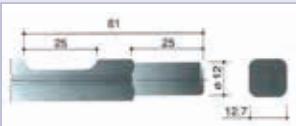
Shank size 12,7 mm square, with recess



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

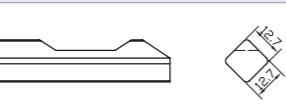
Shank size 12,7 mm square, with recess



FOR HAMMER:
- 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

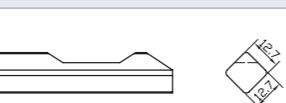
Shank size 12,7 mm square, with recess



FOR HAMMER:
- CP

Order number	Description	L (mm) totaal	B (mm)
CB396-300	Flat chisel	300	19
CB396-450	Flat chisel	450	19
CB397	Wide flat chisel	178	35
CB397-300	Wide flat chisel	300	35
CB397-450	Wide flat chisel	450	35
CB398	Wide flat chisel, bent	178	35

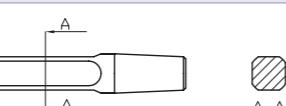
Shank size 12,7 mm square, with recess



FOR HAMMER:
- 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



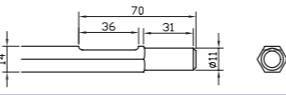
FOR HAMMER:
- IR9001 (e.g.)

Order number	Description	L (mm) total	B (mm)
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 ¹⁾	Punch	250	-
CB279 ²⁾	Punch	250	-
CB280 ³⁾	Punch	250	-
CB281 ⁴⁾	Punch	250	-
CB282 ⁵⁾	Punch	250	-
CB283 ⁶⁾	Punch	250	-
CB284 ⁷⁾	Punch	250	-

¹⁾ Diameter 10 mm ³⁾ Diameter 16 mm ⁵⁾ Diameter 22 mm ⁷⁾ Diameter 28 mm
²⁾ Diameter 13 mm ⁴⁾ Diameter 19 mm ⁶⁾ Diameter 25 mm

Chisels for electric hammers

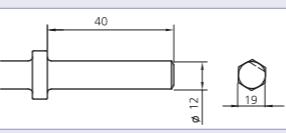
Shank size 11 mm x 30mm



FOR HAMMERS:
- Bosch UBH4, 11205

Order number	Description	L (mm) total	B (mm)
CB2091	Moil point	300	-
CB2093	Flat chisel	300	24
CB2095	Wide flat chisel	300	40

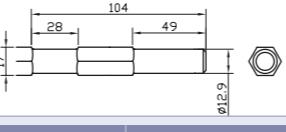
Shank size Ø 12 mm x 40 mm



FOR HAMMER:
- Makita HK1800

Order number	Description	L (mm) total	B (mm)
CB3166010018	Moil point	180	-
CB3166026015	Flat chisel	180	20
CB3166020015	Wide flat chisel	150	50

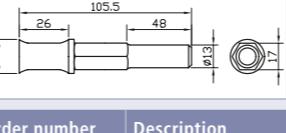
Shank size Ø 12,9 mm x 77 mm



FOR HAMMER:
- Makita 0810, 8035

Order number	Description	L (mm) total	B (mm)
CB2451	Moil point	280	-
CB2452	Moil point	450	-
CB2453	Flat chisel	280	20
CB2454	Flat chisel	450	20
CB2455	Wide flat chisel	280	40

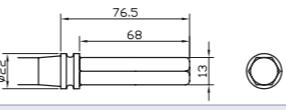
Shank size Ø 12,9 mm x 77 mm



FOR HAMMER:
- Hitachi Dh38YB

Order number	Description	L (mm) total	B (mm)
CB2571	Moil point	280	-
CB2572	Moil point	450	-
CB2573	Flat chisel	280	20
CB2574	Flat chisel	450	20
CB2575	Wide flat chisel	280	50
CB2576	Wide flat chisel	450	50

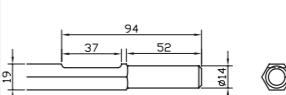
Shank size 13 mm 6-KT x 67 mm



FOR HAMMER:
- Duss P28

Order number	Description	L (mm) total	B (mm)
CB2271	Moil point	340	-
CB2273	Wide flat chisel	340	40

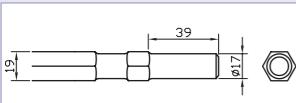
Shank size Ø 14 mm x 52 mm



FOR HAMMER:
- Kangoo 500

Chisels for electric hammers

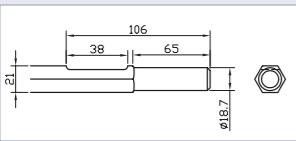
Shank size Ø 17 mm x 39 mm



FOR HAMMER:
- Hilti TP400

Order number	Description	L (mm) total	B (mm)
CB2710	Moil point	360	-
CB2711	Moil point	500	-
CB2712	Flat chisel	360	23
CB2713	Flat chisel	500	23

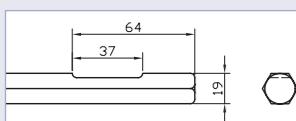
Insteek Ø 19 mm x 61 mm



FOR HAMMER:
- 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
CB2381	Wide flat chisel	300	50
CB2381-L	Wide flat chisel	380	50
CB2382	Wide flat chisel	300	75
CB2382-L	Wide flat chisel	380	75
CB9915	Digging chisel	310	140
CB944484	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	-	-
CB12251023025	Adaptor for bush head	250	-

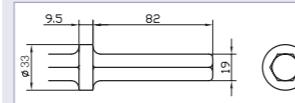
Shank size 19mm Hex with recess



FOR HAMMER:
- Bosch USH10, 11305

Order number	Description	L (mm) total	B (mm)
CB2031	Moil point	300	-
CB2032	Moil point	400	-
CB2034	Moil point	600	-
CB2035	Flat chisel	300	24
CB2036	Flat chisel	400	24
CB2038	Flat chisel	600	24
CB2049	Wide flat chisel	300	50
CB2050	Wide flat chisel	400	50
CB2051	Wide flat chisel	300	75

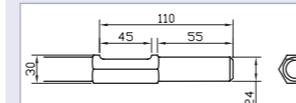
Shank size 19 mm Hex x 82,5mm



FOR HAMMER:
- Wacker

Order number	Description	L (mm) total	B (mm)
CB2901	Moil point	330	-
CB2903	Moil point	500	-
CB2904	Flat chisel	330	24
CB2906	Flat chisel	500	24
CB2907	Wide flat chisel	330	65

Shank size Ø 24mm x 55 mm

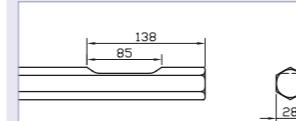


FOR HAMMERS:
- Makita
- Hitachi

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
CB3024B *	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

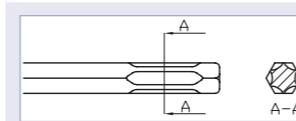
Shank size



FOR HAMMER:
- Impex EH25

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

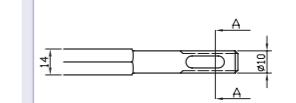
Shank size HILTI TE805 and TE905



FOR HAMMERS:
- Hilti TE805, TE905

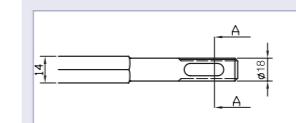
Order number	Description	L (mm) total	B (mm)
CB914972	Moil point	360	-
CB914974	Moil point	500	-
CB914982	Flat chisel	360	29
CB914984	Flat chisel	500	29
CB914992	Wide flat chisel	360	55
CB914994	Wide flat chisel	500	50
CB914995	Wide flat chisel	360	80
CB914996	Wide flat chisel	500	75

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
CBMCOSDSPLUSKORT	Slotting tool with carbide tip	165	35
CBMCOSDSPLUSLANG	Slotting tool with carbide tip	200	35

SDS max

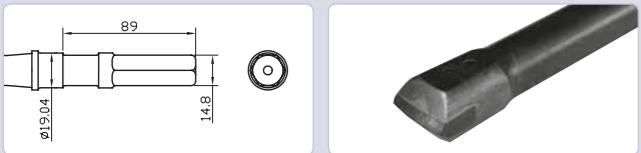


Order number	Description	L (mm) total	B (mm)
CB04001	Moil point	280	-
CB04037	Moil point	360	-
CB04002	Moil point	400	-
CB04003	Moil point	600	-
CB04033	Flat chisel	1000	-
CB04004	Flat chisel	280	25
CB04005	Flat chisel	400	25
CB04006	Flat chisel	600	25
CB04034	Flat chisel	1000	25
CB04007	Hollow gouge	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
CB04017	Adaptor for bush head	250	-
CB04154	Drill chuck-adaptor ¹⁾	200	-
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	-	-

¹⁾ Drill chuck adaptor SDS-Max / SDS-Plus

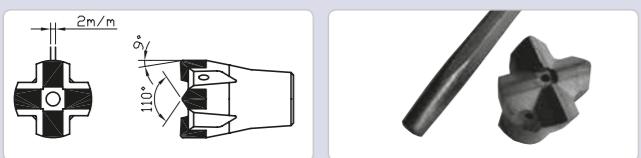
Drills for electric hammers

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



Order number	L (mm) total	Ø (mm)
CB9F33013	330	13
CB9F33016	330	16
CB9F43016	430	16
CB9F33019	330	19
CB9F43019	430	19
CB9F43022	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	-
CB2261513000	3000	-

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/s²	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	RRA	25	32	4.000	6,6	2,6	PT 1/4"	6,5	9,4	93
RR-2110NS	RRA	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⁾	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⁾	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

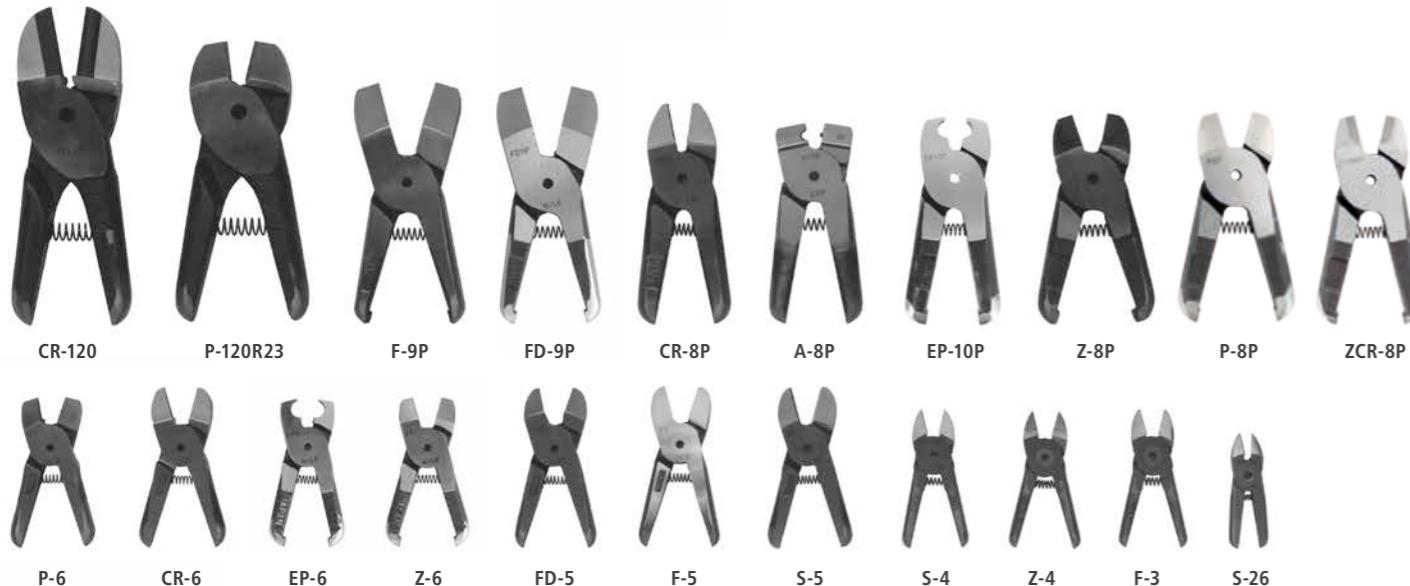
DIMENSIONS	Type	A mm	B mm	NEEDLE FOR TYPE	
				Needle for type	Number 2 mm
	YK-2	489	126	TFC-N200	21
	F-25N	412	43	F-25N	-
	RR-0315NS	415	45	RR-0315NS	-
	RR-2110NS	340	175	RR-2110NS	29
	RRI-4006	330	48	RRI-4006	51
	RRI-4006VL	340	48	RRI-4006VL	51
	RRI-4007	460	57	RRI-4007	65
	RRI-4007VL	330	48	RRI-4007VL	65
	RRI-4008	475	66	RRI-4008	-
	TFC-N200	273	36		49

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

NEEDLEHOLDERS	Type	2 mm	3 mm	4 mm	NEEDLE FOR TYPE	
					Order number	Ø
	TFC-N200	Y3-06-12-220	Y3-06-12-200*	-	6203-0827-02-01	2 mm
	F-25N	-	6203-0829-02-00*	-	6203-0827-03-01*	3 mm
	RR-0315NS	-	SG-0315NS-25*	-	6203-0827-03-02	3 mm
	RR-2110NS	SG-2110NS-24	SG-2110NS-17*	-	6203-0827-03-03	Copper-beryllium
	RRI-4006	218	217*	-	6203-0827-04-01	4 mm
	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

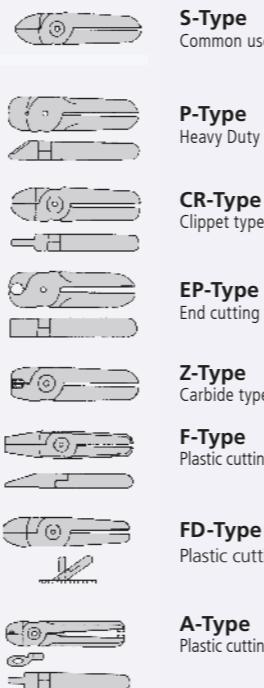
Power cutters



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	-	-	-	S-4
	1,6	1	0,5	-	-	Z-4
	-	-	-	4	-	F-3
RRI-8004	2,6	2	-	-	-	P-6, CR-6, EP-6, S-5
	2,6	2	1	-	-	Z-6 (carbide tip)
	-	-	-	7	-	F-5, FD-5
RRI-8011	3,3	2,8	-	-	-	P-8P, CR-8P, EP-10P
	3,3	2,8	1,2	-	-	Z-8P (carbide tip), ZCR-8P
	-	-	-	10	-	F-9P, FD-9P
	-	-	-	-	2	A-8P, ZCR-8P
RRI-8031	4,8	4	-	-	-	P-8P, CR-8P, EP-10P
	4,8	4	1,2	-	-	Z-8P (carbide tip), ZCR-8P
	-	-	-	13	-	F-9P, FD-9P
	-	-	-	-	5,5	A-8P, ZCR-8P
RRI-8032	7	6	-	-	-	P-120R23, CR-120

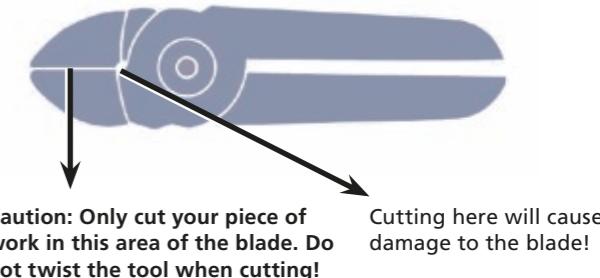
Power cutters are supplied without blade, please order separately from the list above.



Power cutters

Cutting and pressing

Power cutters 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.



RRI-8002



RRI-8003



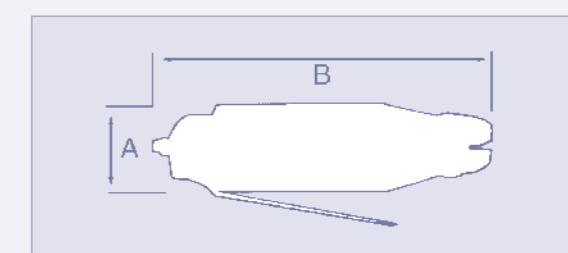
RRI-8004



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. 58)

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 5 mm length: 74 mm	8210-501-00 8210-502-00 8210-503-00 8210-504-00	5 mm, square 5 mm, round 5 mm, half-round 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	6"	
	8460-201-01	12"	
	8460-205-00	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	2CT-72 2CT-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

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*	RRJ	10	12	5.000	25	0,25	2,8	0,96	PT 1/4"	6,5	3,5	79
RRJ-8210*	RRJ	3,1	3,9	9.500	10	0,25	2,8	0,51	PT 1/4"	6,5	3,5	78

* Standard supplied in set. Sawblades and universal air inlet joint are supplied as standard.
Accessories for saws on page 60

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 accesories 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 60

Chain saw



RRI-8560



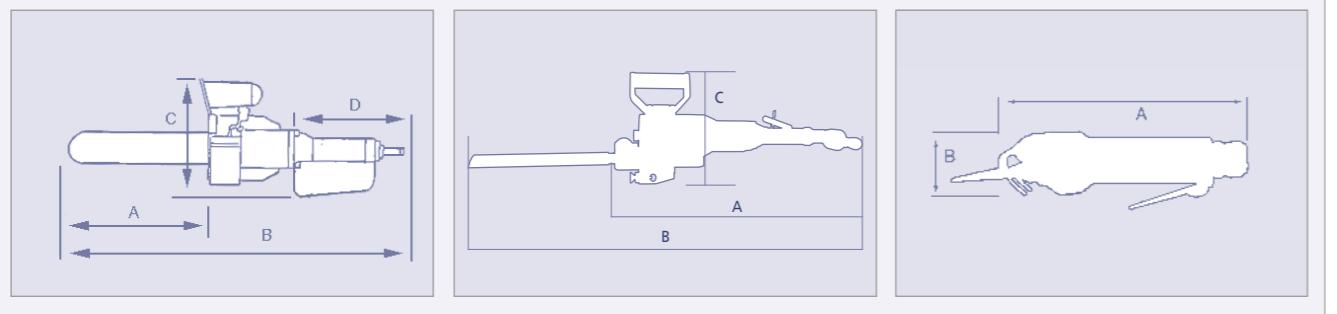
Type	Brand	Length sawblade inch	Max capacity mm	RPM ⁻¹	Power kW	Air cons. l/s	Weight kg	Inlet-thread	Hose diameter mm	Vibration m/s ²	Noise level dB(A)
RRI-8560	RRI	14"	340	18.000	1,5	50	7,6	BSP 3/4"	19	< 2,5 m/s ²	98

Accessories for saws on page 60

Saws

DIMENSIONS

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	-



RED ROOSTER Air Chain Hoists (0,125 - 100 tonnes)

RED ROOSTER

With the RED ROOSTER Air Hoists we specialise in the sale, rental and repair of air powered hoists, trolleys and winches. Our pneumatic hoists have safe working loads ranging from 250 kg to 100 tonne 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 our ISO 9001: 2008 Quality control system.

Robust

The RED ROOSTER Air Chain Hoists are very robust and therefore very suitable for intensive use in industrial environs. The RED ROOSTER Air Chain Hoists are in many different type of industries, for example: on- and offshore, shipyards, on board of ships, foundry's, paper industry, paint shops, tank cleaning, (petro) chemical industry, galvanizing industry, food industry, automotive industry, construction and energy plants. Humid environment, outside in the field and aggressive atmosphere's, everywhere the combination of high performance, reliability and safety is required, RED ROOSTER has the best solution.

Features RED ROOSTER Air Chain Hoists:

- 100% duty rating
- Variable speed regulation, precise positioning of the load, soft start and stop, no shock movements
- Compact Design, low headroom
- Load limiter built-in from 1 ton (TCR 500 included) without loss of headroom
- Silenced
- Planetgear durable lubricated
- Safety factor 5
- End Stop system automatic at highest and lowest position of the chain
- Chain according EN 818 - 7
- Overload test at 150% of the WLL
- Spark free air motor
- Spark Resistant versions available for:
 - CE Ex II 3 GD IIA c T4 (formerly known as 2 & 22)
 - CE Ex II 2 GD IIB c T4 (formerly known as 1 & 21)
 - CE Ex II 2 GD IIC c T4 (formerly known as 1 & 21)
- Cord control or pendant control with emergency stop

Air Chain Hoists up to 100 tonnes

This catalogue only presents a small part of our extensive range of Air Chainhoists.

The separate catalogue RED ROOSTER Airchainhoists is available on demand, and shows a big variety of different options and special solutions (see page 4).

RED ROOSTER Air Chain Hoists

Compacte takels voor "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.

FEATURES

- Pendant control direct on the lower hook
- Optimum load control, very precise positioning
- One-hand control
- Variable speed control
- Soft start and stop, no shock movements
- Handle can be positioned for left-hand or right-hand operation
- Endstop system



TMM-140AE



TCR-250ME

RED ROOSTER Air Chain Hoists

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.

FEATURES

- Low weight and therefore very mobile, easy mounting
- TCR 250 only 7 kg, 3 meter lift included
- Precise variable speed control (cord - and pendant control)
- Very compact design
- Robust aluminium housing
- Air motor is cooled by the exhaust air (internal)
- Cord control or pendant control
- Quiet, low noise level, silenced
- Upper and lower limit switches



TCR-250DPE



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 ¹⁾	0,14	11	15	15	11	1 (wire-rope)	8	PT 3/8"	13	9	-	+	-	-	-	-	AC30A-F03ET
TCR-250ME ¹⁾	0,25	8	16	19	13	1	11,7	PT 3/8"	13	11	-	+	-	4x12RTS	0,35	+	AC30A-F03ET

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	+	AC30A-F03ET
TCR-125DPE	0,125	12,8	14,8	17,2	13	1	11,7	PT 3/8"	-	8,6	-	+	+	4x12RTS	0,35	+	AC30A-F03ET
TCR-250C	0,25	9,3	17	19	13	1	11,7	PT 3/8"	13	7	-	+	+	4x12RTS	0,35	+	AC30A-F03ET
TCR-250DPE	0,25	8,1	15,9	17,2	13	1	11,7	PT 3/8"	13	8,6	-	+	+	4x12RTS	0,35	+	AC30A-F03ET
TCR-500C2	0,5	4,5	8,5	9,5	6,5	2	11,7	PT 3/8"	13	8,5	-	+	+	4x12RTS	0,35	+	AC30A-F03ET
TCR-500DP2	0,5	4,5	8,5	9,5	6,5	2	11,7	PT 3/8"	13	8,5	-	+	+	4x12RTS	0,35	+	AC30A-F03ET

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	+	AC40A-F04ET
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	+	AC40A-F04ET

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	+	AC40A-F04ET
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	+	AC40A-F04ET
TCR-1000 C2/P2E	1	5,3	9	10,3	6,7	2	25	PT 1/2"	13	34	*	+	+	6,3x19,1	0,9	+	AC40A-F04ET
TCR-1000 C/PE	1	6	10,3	11,3	6,8	1	25	PT 1/2"	13	35	*	+	+	7,1x21	1,1	+	AC40A-F04ET
TCR-2000 C2/P2E	2	3	5,2	5,7	3,4	2	25	PT 1/2"	13	40	*	+	+	7,1x21	1,1	+	AC40A-F04ET
TCR-3000 C/PE	3	2,8	4,6	5,4	3,3	1	33	PT 1/2"	19	69	*	+	+	11,2x34	2,2	+	AC40A-F04ET
TCR-6000 C2/P2E	6	1,4	2,3	2,7	1,7	2	33	PT 1/2"	19	90	*	+	+	11,2x34	2,2	+	AC40A-F04ET

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	+	AC40A-F06ET
TMH-6000 C/PE	6	2,8	5,1	5,4	3,6	2	68	3/4" BSP	3/4"	103	*	+	+	13x36	0,9	+	AC40A-F06ET

Technical specifications at 0,63 MPa (dynamic airpressure at 6,3 Bar) / ¹⁾ maximum lifting height 2 mtr.

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

RED ROOSTER Air Chain Hoists

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.

FEATURES

- Very high lifting and lowering speeds
- Maximum speed adjustable, lifting and lowering speed independent from each other
- Precise variable speed control (cord - and pendant control)
- Optimum control of the load, very precise positioning
- Compact design
- Upper and lower limit switches
- Load limiter built-in without loss of headroom
- Cord control or pendant control
- Quiet, low noise level, silenced
- Air pressure 0,4 - 0,63 MPa (4 - 6,3 Bar)
- Compact and light weight.
- Exhaust hose easy to assemble
- Endstop system
- Air motor is cooled by the exhaust air (internal)
- Cord control or pendant control
- Chain bag standard
- Quiet, low noise level, silenced
- Aluminium housing
- Upper and lower limit switches



TCS-500

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.

FEATURES

- Precise variable speed control (cord - and pendant control)
- Optimum control of the load, very precise positioning
- Compact design
- Upper and lower limit switches
- Load limiter built-in without loss of headroom
- Cord control or pendant control
- Quiet, low noise level, silenced
- Air pressure 0,4 - 0,63 MPa (4 - 6,3 Bar)



TCR-3000

Special tools for the (assembly) industry

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.



YNR-8F



YHR-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.

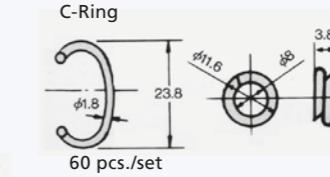
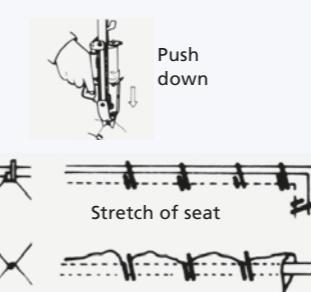
Hog Ringers

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-33(L)

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



YHR-33/33L Dimensions after caulking.

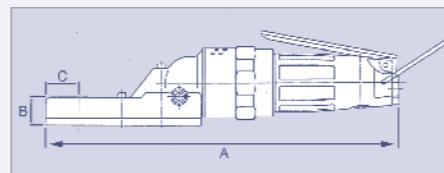
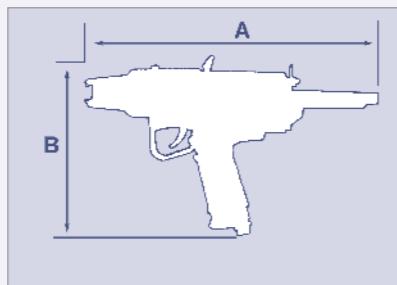
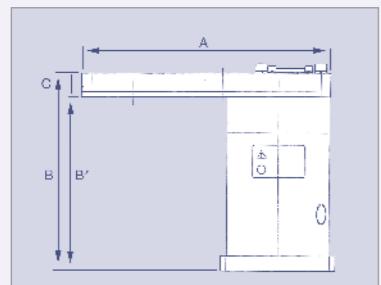


Special tools

for the (assembly) industry

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	-	-



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

TAILOR-MADE TOOLS



YEX-150S
with crowfoot



Y-70E
with crowfoot



YSA-4T-X1
Hub nut crimping tool



Y-61
with crowfoot



Y-61
with crowfoot



YED-240S
with crowfoot



TDN-5D

Various tools for several applications

Pumps

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.

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.

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.

Multi-cutter

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

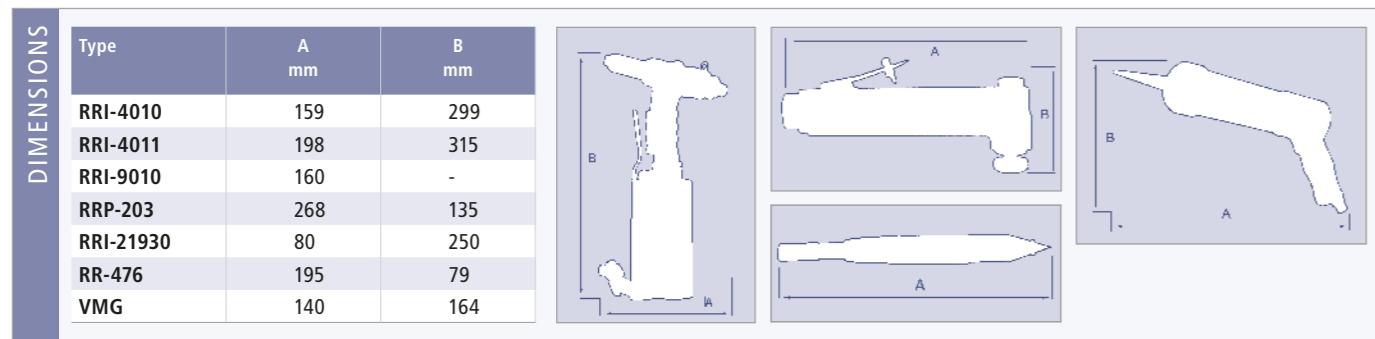
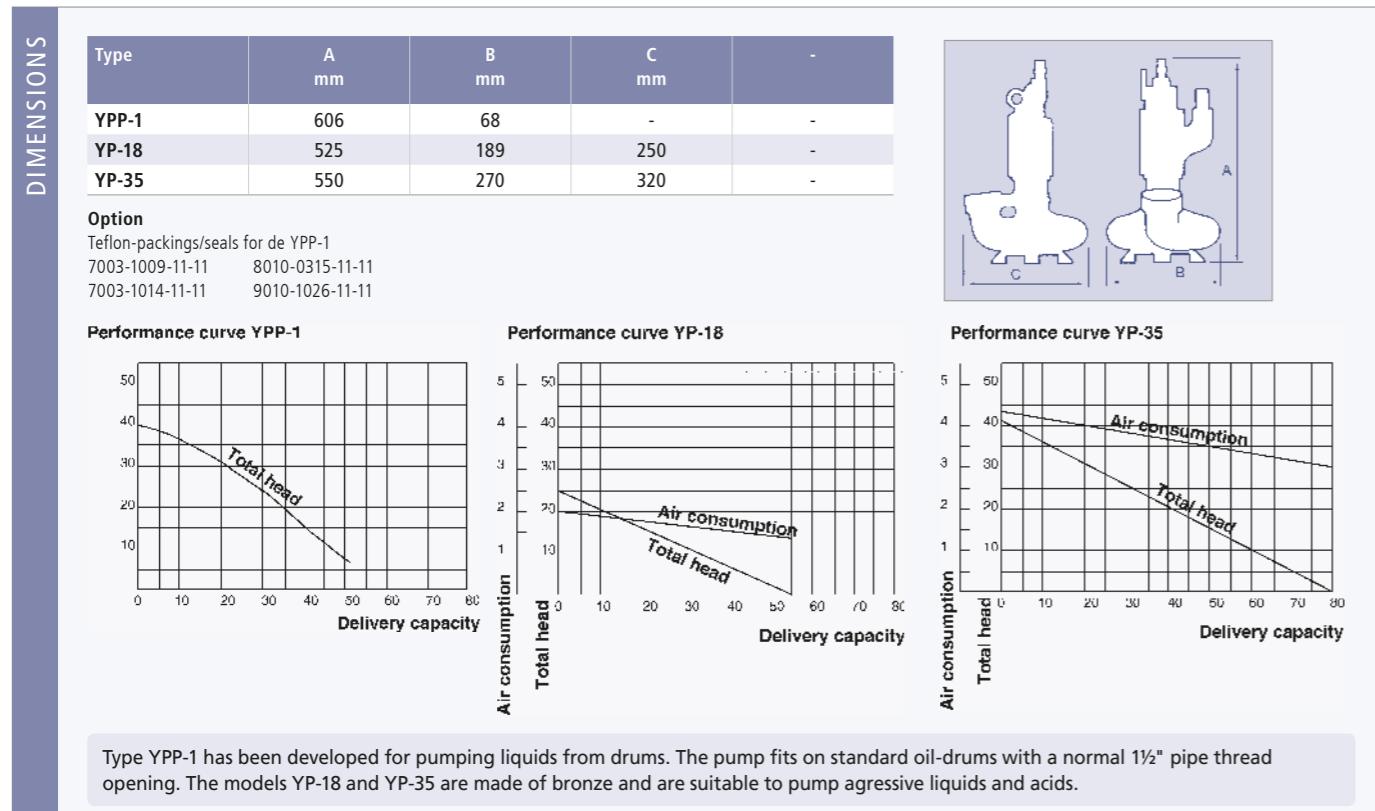
Various tools

Sump- and barrelpumps



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"



Various tools



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	RRA	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 type	Accessory	Order number		For type	Accessory	Order number	
	RRI-4010	Nose piece 3,2 mm Nose piece 4,0 mm Nose piece 4,8 mm Bottle for spent rivets Wrench	10416-1 10416-2 10416-3 10448 10447	*	RRI-9010	Engraving needle, fine Engraving needle, medium Engraving needle, coarse	2-01-011-90 2-01-011-91 2-01-011-92	*
	RRI-4011	Nose piece 2,4 mm Nose piece 3,2 mm Nose piece 4,0 mm Nose piece 4,8 mm Nose piece 6,4 mm Rivet deflector Rivet collector (cloth) Set key	14463 14464 14465 14466 14468 14470 612903 14499	*	VMG11WF02	Nozzle diameter 1 mm Nozzle diameter 1,5 mm Nozzle diameter 2 mm Nozzle diameter 2,5 mm	KN-R02-100 KN-R02-150 KN-R02-200 KN-R02-250	

* Supplied as standard

* Supplied as standard

Various tools

Multi-cutter

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	RRA	1	0 - 22.000	6,5	1,1	PT 1/4"	6,5	2,6	90

ACCESSORIES	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	
	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	
	Sawblade	475101	Ø 63 mm - steel 1 mm	
	Sawblade	475801	Ø 80 mm - HSS	
	Sanding pad	475380	Grain 80	
	Sanding pad	4753150	Grain 150	
	Sanding pad	4753240	Grain 240	
	Sanding pad	476TP	Triangle	
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).				
	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	



Accessories for air tools

Our delivery program is completed with an extended range of accessories for air tools. In this chapter you will find:

(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. 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.

Regulators

Suitable to control the airflow directly at the air-connection of the tool.

(Spring)balancers

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-00	RRI	0,5 - 1,5	0,5	0,2
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



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

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

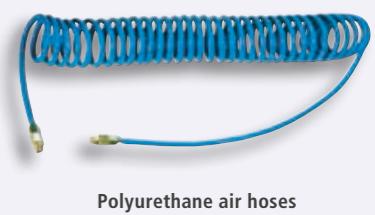
Extra safety

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

Accessories

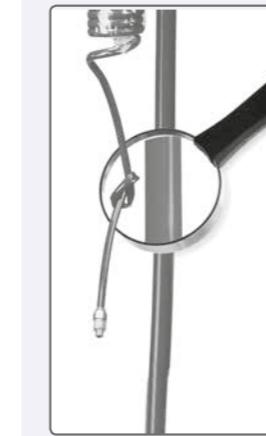
Polyurethane spiral air hoses

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"



Polyurethane air hoses

- 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



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 PT-1025

Type	Produkt	Description	Air cons. l/min	Air pressure MPa	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"
PT-1025	RR	Mini-oiler	880	0,63	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

Accessories

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 impulse wrenches	1
01-0508	RR	Oil for RED ROOSTER impulse wrenches	0,1
01-0507	RR	Oil for RED ROOSTER impulse wrenches	1

VOKIT-100



KIT-100-KIT

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

Air treatment equipment Applications

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 separators and combination sets

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 tot 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.



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. (bar)	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: 1,0 MPa / Max. working pressure: 0,7 MPa / Temperature working area: -5 to 60°C.



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

Type	Brand	Port size	NI/min	Filter micron	Working pres. (bar)	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: 1,0 MPa / Max. working pressure: 0,7 MPa / Temperature working area: -5 to 60°C.



On request

- Other combinations
- Automatic drain, normally opened (add 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, trichloorethylen, kerosene and other aromatics hydrocarbons.
 If used in above atmosphere, please use a metal bowl (p.83).

Filters

AF-series (modular)

AF-series - Filters

Type	Brand	Port size	NI/min	Filter micron	Bowl	Bowl with bajonet connection	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	-



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

On request

- Other combinations
- Automatic drain, normally opened (add C 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, trichloorethylen, kerosene and other aromatics hydrocarbons. If used in above atmosphere, please use a metal bowl (p.83).

AFM- and AFD-series (modular)

AFM-series - microfilters

Type	Brand	Port size	NI/min	Filter micron	Bowl	Bowl with bajonet connection	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



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

AFD-series - submicrofilters

Type	Brand	Port size	NI/min	Filter micron	Bowl	Bowl with bajonet connection	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

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 C 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.

Filter/Regulators

AW-serie (modulair)

AW-series - filter/regulators

Type	Brand	Port size	Nl/min	Port size press. gauge	Working press. (Bar)	Filter micron	Bowl	Mounting nut	Bowl with bajonet connection	Mounting brackets
AW20-F02E-B	SMC	1/4"	500	R1/8	0,05 - 0,7	5	Polycarbonate	AR23P-260S	o	AW23P-270AS ¹⁾
AW30-F03E-B	SMC	3/8"	1.550	R1/8	0,05 - 0,7	5	Polycarbonate	AR33P-260S	s	AR33P-270AS ¹⁾
AW40-F04E-B	SMC	1/2"	2.800	R1/8	0,05 - 0,7	5	Polycarbonate	AR43P-260S	s	AR43P-270AS ¹⁾
AW40-F06E-B	SMC	3/4"	4.000	R1/8	0,05 - 0,7	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: 1,0 MPa / Max. working pressure: 0,7 MPa / Temperature working area: -5 to 60° C.: -5 tot 60° C.

On request

- Automatic drain, normally opened (add CE 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	Nl/min	Port size pressure gauge	Working pressure (bar)	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: 1,0 MPa / Max. working pressure: 0,7 MPa / Temperature working area: -5 to 60° C.



AR-B

AR-series - high pressure regulators

Type	Brand	Port size	Nl/min	Port size pressure gauge	Working pressure (bar)	Mounting nut	Mounting brackets
AR40-F03-X425	SMC	3/8"	4.500	R1/4	0,05 - 1,50	AR40P-260S	AR40P-270AS*
AR40-F04-X425	SMC	1/2"	5.000	R1/4	0,05 - 1,50	AR40P-260S	AR40P-270AS*
AR60-F10-X425	SMC	1"	8.000	R1/4	0,05 - 1,50	-	AR50P-270AS**

* Supplied with mounting nuts / ** Supplied with mounting screws

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

Lubricators

AL-series (modular)

AL-series - lubricators

Type	Brand	Port size	Nl/min	Lubricating from Nl/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

Accessories spacers / brackets



Y100



Y100 spacer with bracket



Y110-M5 T-interface



E100-M5 piping adapter

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

Piping adaptors for easy installation and maintenance.

Spacers with T-type bracket for wall mounting the modular unit, equipped with T-type bracket.

Spacers for mounting the combination without wall connection.

Mounting brackets for mounting separate components.

Various

Bowls for the FRL-series



Type	Brand	For series	Port size	Operation	Nl/min	Silencer	Working pressure (bar)	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"	Electric (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 MPa	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		-				



For series	Brand	For lubricator	For filter	Polycarbonate	Nylon	Metal	Automatic drain	O-Rings
20	SMC	C2SL-A	C2SF-A C2SF-6-A C2SF-2-A AD27-C-A	*	*	*	*	C2SFP-260S
30	SMC	C3SL-A	C3SF-A C3SF-6-A C3SF-2-A AD37-A	*	*	*	*	C32FP-260S
40	SMC	C4SL-A	C4SF-A C4SF-6-A C4SF-2-A AD47-A	*	*	*	*	C42FP-260S
50	SMC	C4SL-A	C4SF-A C4SF-6-A C4SF-2-A AD47-A	*	*	*	*	C4SFP-260S C42FP-2GOS
60	SMC	C4SL-A	C4SF-A C4SF-6-A C4SF-2-A AD47-A	*	*	*	*	C42FF-2GOS

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

Refrigerated air dryer

IDFA-series

The new 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 - 1,0	5 - 50	2 - 40	1 Phase 230V AC 50Hz/60Hz	180	Rc 3/8	R134a	18
IDFA4E-23	SMC	0,15 - 1,0	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 - 1,0*	5 - 60	2 - 45	3 Phase 400V AC 50Hz	2.500	R 2	R407C	245
IDFA125F-40	SMC	0,15 - 1,0*	5 - 60	2 - 45	3 Phase 400V AC 50Hz	2.700	R 2½	R407C	270
IDFA150F-40	SMC	0,15 - 1,0*	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)]*

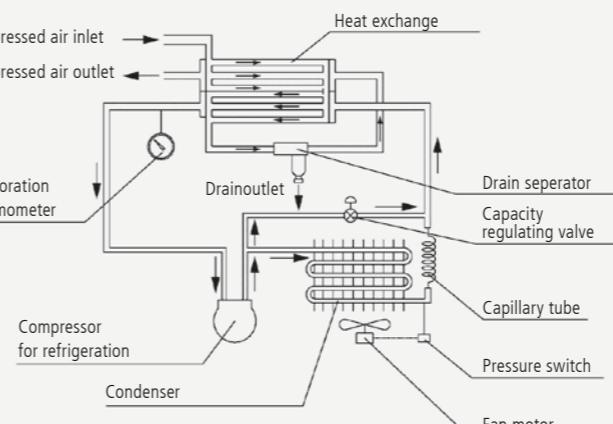
Type	Brand	3°C Pressure dew point	7°C Pressure dew point	10°C pressure dew point
IDFA3E-23	SMC	12	15	17
IDFA4E-23	SMC	24	31	34
IDFA6E-23-K	SMC	36	46	50
IDFA8E-23-K	SMC	65	83	91
IDFA11E-23-K	SMC	80	101	112
IDFA15E-23-K	SMC	120	152	168
IDFA22E-23-K	SMC	182	231	254
IDFA37E-23-K	SMC	273	347	382
IDFA55E-23-L	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 = 7 bar, T1 = 35°C (saturated), cooling air temp. 25°C).

Refrigerated 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 precooled 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 new 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)	5-25°	30°	35°	40°	45°	50°	55°	60°
Correction factor A	1,30	1,25	1,00	0,83	0,70	0,60		
Ambient temp. (°C)	20°	25°	30°	35°	40°			
Correction factor B	IDFA3E - IDFA11E	1,10	1,00	0,91	0,83	0,79		
	IDFA15E - IDFA37E	1,10	1	0,97	0,89	0,77		
Inlet air press (MPa)	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1,0
Correction factor C	IDFA3E - IDFA11E	0,80	0,87	0,92	0,96	1,00	1,04	1,07
	IDFA15E - IDFA37E	0,72	0,81	0,88	0,95	1,00	1,06	1,11

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

IDFA100F-40 up to IDFA150F-40 - correction factors

Correction factor A	Correction factor B	Correction factor C	Correction factor D	Air flow rate	
				Lufteinlass-punkt (MPa)	Correction factor
5 up to 30	1,41	2 up to 25	-	0,2	0,84
35	1,21	30	-	0,3	0,87
40	1	32	1	0,4	0,9
45	0,92	35	1	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.

Dimensions IDFA-series				
Type	A	B	C	
IDFA3E-23	226	410	437	

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