

# YOKOTA & RED ROOSTER ASSEMBLY TOOLS

HIGH SPEED PRODUCTION  
HIGH QUALITY TIGHTENING

[www.rami-yokota.com](http://www.rami-yokota.com)



## AIRTOOLS

- System wrenches
- Poka Yoke+
- Impulse wrenches  
(with and without shut-off)
- Screw driver shut-off  
(pistol, straight and angle)

## ELECTRIC TOOLS

- System wrenches

## CORDLESS TOOLS

- System wrenches
- Impulse wrenches  
(with and without shut-off)
- Screw driver shut-off  
(pistol and angle)
- Impact shut-off wrenches

**EFFICIENT  
ASSEMBLY  
SOLUTIONS**



**ASK FOR YOUR SOLUTION!**



DESIGN

MAINTENANCE

DURABILITY

RECYCLING

 **RED  
ROOSTER**  **YOKOTA**

# CONTENTS

## YOKOTA & RED ROOSTER SELECTION GUIDE

|                        |   |                     |   |
|------------------------|---|---------------------|---|
| IBT, ATT & EPR.....    | 4 | TORQUES RANGE ..... | 8 |
| GUIDELINE VALUES ..... | 6 |                     |   |

## YOKOTA

|                                       |    |  |    |
|---------------------------------------|----|--|----|
| SPEED PRECISION QUALITY .....         | 10 | BATTERY SYSTEM WRENCHES .....                | 17 |
| INTELLIGENT ASSEMBLY SOLUTIONS .....  | 11 | BATTERY IMPULSE WRENCHES .....               | 20 |
|                                       |    | POKA YOKE+ SYSTEM .....                      | 22 |
| CONTROL UNIT TKA SERIES .....         | 12 | YLT-SERIES: SHUT OFF .....                   | 24 |
| SYSTEM WRENCHES TKA SERIES .....      | 13 | YLT-SERIES: NON SHUT OFF .....               | 25 |
| CONTROL WRENCHES TKA/YED SERIES ..... | 14 | Y-SERIES: NON SHUT OFF .....                 | 26 |
| CONTROL WRENCHES YEX- SERIES .....    | 15 | YX-SERIES: NON SHUT OFF (angle models).....  | 26 |
| ELECTRIC SYSTEM WRENCHES .....        | 16 | YX-SERIES: NON SHUT OFF (pistol models)..... | 27 |

## RED ROOSTER

|  |    |                                    |    |
|--|----|------------------------------------|----|
| PRODUCTIVITY FLEXIBILITY ACCURACY .....      | 10 | SHUT-OFF STRAIGHT MODELS .....     | 39 |
|  |    | SHUT-OFF ANGLE MODELS .....        | 40 |
| CORDLESS                                     |    | NON SHUT-OFF PISTOL MODELS .....   | 41 |
| RRI-BIM SERIE (impuls wrenches).....         | 30 | NON SHUT-OFF STRAIGHT MODELS ..... | 42 |
| RRI-BI SERIE (shut-off impact wrenches)..... | 32 | NON SHUT-OFF ANGLE MODELS .....    | 43 |
| RRI-BS SERIE (shut-off screwdriver).....     | 34 |                                    |    |
| RRI-BA SERIE (angle wrenches).....           | 36 | CUSTOM MADE PRODUCTS .....         | 44 |
| AIR TOOLS                                    |    |                                    |    |
| SHUT-OFF PISTOL MODELS .....                 | 38 | SHUT-OFF SCREWDRIVERS .....        | 47 |

## YOKOTA & RED ROOSTER

|                    |    |                            |    |
|--------------------|----|----------------------------|----|
| VAROUS TOOLS ..... | 51 | ACTION                     |    |
| ACCESSORIES .....  | 52 | IMPACT SOCKETS .....       | 56 |
|                    |    | SLEEVE DRIVE SOCKETS ..... | 58 |

## ASSEMBLY TOOLS

# YOKOTA & RED ROOSTER

In this catalogue we combine the best of both worlds. Yokota Industrial and Red Rooster Assembly offer you a full range of assembly tools. From 100% accuracy and traceability for a 'Zero FaultProduction', to plain and simple solutions that accurately tighten treaded fasteners. Time efficient and with maximum ergonomic benefits; we offer you the perfect solution that fits like a glove!

### Yokota International Co. Ltd

Yokota International is a leading manufacturer of impulse based assembly tools for high-end production facilities. Yokota has developed the first impulse air tools over 40 years ago and the benefits of impulse based assembly tools are well-known all over the world these days: fast, light and with the highest clamping force, free from reaction forces.

As an expert in the development, design and manufacturing of air tools, Yokota also embraces the opportunities of battery technology and has developed a wide range of intelligent electrical and battery system wrenches with Torque & Angle Control.

### Red Rooster Industry

Since its introduction in 1984, Red Rooster is one of the leading brands in the European market for pneumatic tools. Red Rooster nowadays provides you with a full range of reliable air and battery assembly tools, with excellent price-performance ratio.

With a torque range of 0,3Nm up to 600Nm we can provide you with a solution for every situation. Both air tools and battery assembly tools can be custom made for hard to reach applications. Geared offset heads in a torque range of 5-300Nm.

### Efficient Assembly Solution

Reliability, speed and durability are essential for any assembly line. According to our Efficient Assembly Solution concept, we focus on the best tool, both for the job and for your environment. This EAS concept combines the choice of power - battery, electrical or air - with design and ergonomic features up to maintenance.

Together with our specialists you can be certain that your production is efficient, reliable and durable. In the end, we are convinced that our customers are able to assemble according to the highest standards required, with the lowest possible costs and lowest environmental footprint.

**EFFICIENT ASSEMBLY SOLUTIONS** 

**ASK FOR YOUR SOLUTION!**



DESIGN



MAINTENANCE



DURABILITY



RECYCLING

# SELECTION GUIDE

Efficient Power Regulation | Intelligent Bolt Technology | Advanced Torque Technology

**RED ROOSTER ASSEMBLY** offer you a full range of assembly tools. Plain and simple solutions that accurately tighten treaded fasteners. Time efficient and with maximum ergonomic benefits; we offer you the perfect solution that fits like a glove!



## INTELLIGENT BOLT TECHNOLOGY

The Intelligent Bolt Technology makes it possible to program your Red Rooster Assembly tool to the specific application. By programming the tool, the operator is assured that speed, torque and assembly time is correct.

- Adjustable speed 170-1550 RPM
- Slow start function (BA-serie)
- Programmable direction for error free starting
- Reverse can be blocked
- LED Signal for OK of NOK
- Early trigger release judgement



## ADVANCED TORQUE TECHNOLOGY

The Red Rooster Battery Impuls tools are equipped with Advanced Torque Technology. This feature makes it possible to adjust torque time needed for the application. The number of impulses can be programmed in 9 steps, depending how hard or soft the joint is. This assures the operator that an optimum clampforce is reached, with the lowest relaxation.

- Hard joints: Steps 1-3
- Middle soft joints: Steps 4-6
- Soft joints: Steps 7-9



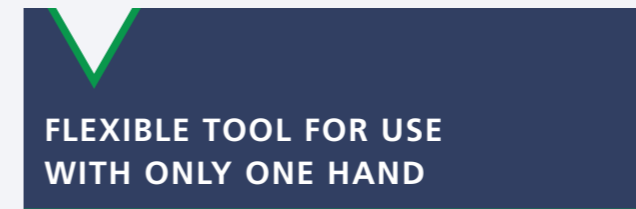
## EFFICIENT POWER REGULATION

Efficient Power Regulation optimizes battery life by:

- Early battery warning
- Battery discharge warning
- Battery shut off, when battery discharged

# SELECTION GUIDE

Tools by **YOKOTA & RED ROOSTER**: tools for maximum productivity



The secret of impulse: no reaction forces! It allows holding the tool with one hand and your product in the other hand.



YOKOTA & RED ROOSTER tools are innovatively designed, paying the highest attention to the environment and its safeguard. All the components are easy to dispose of, because they are built with recyclable materials. Therefore they do not present any danger in terms of environmental pollution. Models with automatic air shut-off reduce the cycle time and therefore the compressed air consumption.



The required level of quality tightenings was achieved with the advanced measurement tools and controls on the basis of ISO 9001, to provide you with the highest quality.



# SELECTION GUIDE

guideline values for tightening torques

The below guideline for relations between bolt size, strength class and required torque levels are meant for guidance only. The required torque (and related: Clamp force) shall be decided by the construction. The values in these tables do offer a comprehensive method to understand the functionality of the tool chosen, compared to bolt size and bolt head size.

| VDI 2230*        |                           | STEEL     |           |           |           | STAINLESS |           |           |
|------------------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Strength classes |                           | 5.8       | 8.8       | 10.9      | 12.9      | 50        | 70        | 80        |
| Bolt             | Dimension of bolt head mm | Torque Nm | Torque Nm | Torque Nm | Torque Nm | Torque Nm | Torque Nm | Torque Nm |
| M1.6             | -                         | 0,11      | 0,17      | 0,24      | 0,29      | 0,10      | 0,20      | -         |
| M2               | -                         | 0,22      | 0,35      | 0,49      | 0,58      | 0,25      | 0,30      | -         |
| M2.2             | -                         | 0,29      | 0,46      | 0,64      | 0,77      | -         | -         | -         |
| M2.5             | -                         | 0,44      | 0,70      | 0,98      | 1,20      | 0,45      | 0,60      | -         |
| M3               | -                         | 0,77      | 1,20      | 1,70      | 2,10      | 1,00      | 1,10      | -         |
| M3.5             | -                         | 1,20      | 1,90      | 2,70      | 3,30      | -         | -         | -         |
| M4               | 7                         | 1,9       | 2,9       | 4,1       | 4,9       | 0,94      | 2,01      | 2,68      |
| M5               | 9                         | 3,7       | 6         | 8,5       | 10        | 1,86      | 4,00      | 5,33      |
| M6               | 10                        | 6,4       | 10        | 14        | 17        | 3,23      | 6,92      | 9,23      |
| M8               | 13                        | 16        | 25        | 35        | 41        | 7,9       | 16,9      | 22,5      |
| M10              | 17/16                     | 31        | 49        | 69        | 83        | 15,6      | 33,3      | 44,5      |
| M12              | 19/18                     | 54        | 86        | 120       | 145       | 26,9      | 57,7      | 76,9      |
| M14              | 22/21                     | 86        | 135       | 190       | 230       | 43,4      | 93,0      | 124,1     |
| M16              | 24                        | 130       | 210       | 295       | 355       | 66,4      | 142,3     | 189,8     |
| M18              | 27                        | 180       | 290       | 405       | 485       | 92,8      | 198       | 265       |
| M20              | 30                        | 255       | 410       | 580       | 690       | 130       | 278       | 371       |
| M22              | 32                        | 345       | 550       | 780       | 930       | 174       | 374       | 499       |
| M24              | 36                        | 440       | 710       | 1000      | 1200      | 224       | 480       | 640       |
| M27              | 41                        | 650       | 1050      | 1500      | 1800      | 331       | 708       | -         |
| M30              | 46                        | 880       | 1450      | 2000      | 2400      | 450       | 964       | -         |
| M33              | 50                        | 1200      | 1900      | 2700      | 3250      | 609       | -         | -         |
| M36              | 55                        | 1550      | 2450      | 3450      | 4150      | 782       | -         | -         |

\* These torque values are only guide lines and are calculated with friction factor 0,125.

# SELECTION GUIDE

guideline values for tightening torques

|   | M1,6 | M2   | M2,2 | M2,5 | M3   | M3,5 | M4  | M5 | M6 | M8 | M10                 | M12 | M14 | M16 | M18 | M20 | M22 | M24 | M27 Bolt |
|---|------|------|------|------|------|------|-----|----|----|----|---------------------|-----|-----|-----|-----|-----|-----|-----|----------|
|   | 0,17 | 0,35 | 0,46 | 0,70 | 1,20 | 1,90 | 2,9 | 6  | 10 | 25 | 49                  | 86  | 135 | 210 | 290 | 410 | 550 | 710 | 1050 Nm  |
| <b>YOKOTA IMPULSE WRENCHES</b><br>shut-off                              |      |      |      |      |      |      |     |    |    |    | 4,5 - 210 (PAGE 24) |     |     |     |     |     |     |     |          |
| <b>YOKOTA IMPULSE WRENCHES</b><br>non shut-off                          |      |      |      |      |      |      |     |    |    |    | 6 - 490 (PAGE 25)   |     |     |     |     |     |     |     |          |
| <b>YOKOTA IMPULSE WRENCHES</b><br>Poka Yoke                             |      |      |      |      |      |      |     |    |    |    | 6 - 470 (PAGE 22)   |     |     |     |     |     |     |     |          |
| <b>YOKOTA BATTERY IMPULSE WRENCH</b><br>shut-off                        |      |      |      |      |      |      |     |    |    |    | 8 - 35 (PAGE 20)    |     |     |     |     |     |     |     |          |
| <b>YOKOTA BATTERY IMPULSE WRENCH</b><br>non shut-off                    |      |      |      |      |      |      |     |    |    |    | 8 - 65 (PAGE 21)    |     |     |     |     |     |     |     |          |
| <b>YOKOTA BATTERY SYSTEM WRENCH</b><br>torque control angle monitoring  |      |      |      |      |      |      |     |    |    |    | 7 - 60 (PAGE 18)    |     |     |     |     |     |     |     |          |
| <b>YOKOTA ELECTRIC SYSTEM WRENCH</b><br>torque control angle monitoring |      |      |      |      |      |      |     |    |    |    | 3 - 90 (PAGE 16)    |     |     |     |     |     |     |     |          |
| <b>YOKOTA AIR SYSTEM WRENCH</b><br>torque control                       |      |      |      |      |      |      |     |    |    |    | 4,3 - 600 (PAGE 14) |     |     |     |     |     |     |     |          |
| <b>YOKOTA AIR SYSTEM WRENCH</b><br>torque control angle monitoring      |      |      |      |      |      |      |     |    |    |    | 11 - 220 (PAGE 12)  |     |     |     |     |     |     |     |          |

|   | M1,6 | M2   | M2,2 | M2,5 | M3   | M3,5 | M4  | M5 | M6 | M8 | M10                | M12 | M14 | M16 | M18 | M20 | M22 | M24 | M27 Bolt |
|---|------|------|------|------|------|------|-----|----|----|----|--------------------|-----|-----|-----|-----|-----|-----|-----|----------|
|   | 0,17 | 0,35 | 0,46 | 0,70 | 1,20 | 1,90 | 2,9 | 6  | 10 | 25 | 49                 | 86  | 135 | 210 | 290 | 410 | 550 | 710 | 1050 Nm  |
| <b>RED ROOSTER CORDLESS SHUT-OFF</b><br>impact wrenches           |      |      |      |      |      |      |     |    |    |    | 6 - 120 (PAGE 32)  |     |     |     |     |     |     |     |          |
| <b>RED ROOSTER IMPULSE WRENCHES</b><br>shut-off                   |      |      |      |      |      |      |     |    |    |    | 6 - 450 (PAGE 38)  |     |     |     |     |     |     |     |          |
| <b>RED ROOSTER IMPULSE WRENCHES</b><br>non shut-off               |      |      |      |      |      |      |     |    |    |    | 6 - 390 (PAGE 41)  |     |     |     |     |     |     |     |          |
| <b>RED ROOSTER CORDLESS IMPULSE WRENCHES</b><br>shut-off          |      |      |      |      |      |      |     |    |    |    | 7 - 45 (PAGE 30)   |     |     |     |     |     |     |     |          |
| <b>RED ROOSTER SHUT-OFF SCREW DRIVER</b><br>straight/pistol/angle |      |      |      |      |      |      |     |    |    |    | 0,4 - 10 (PAGE 48) |     |     |     |     |     |     |     |          |
| <b>RED ROOSTER CORDLESS SCREW DRIVER</b><br>shut-off              |      |      |      |      |      |      |     |    |    |    | 0,8 - 12 (PAGE 34) |     |     |     |     |     |     |     |          |
| <b>RED ROOSTER CORDLESS</b><br>shut-off angle nutrunner           |      |      |      |      |      |      |     |    |    |    | 3 - 70 (PAGE 36)   |     |     |     |     |     |     |     |          |



# SELECTION GUIDE

## specified torques range

The specified torque range is measured in the laboratory under standard conditions.

Therefore these torque figures are only to be used as a guideline. The actual torque range depends on a variety of working conditions, eg: air pressure, joint hardness, used accessory.

### Specified torque range

The torque ranges are specified at a dynamic air pressure of 0,6 MPa, lower air pressure will result in lower torque. Please take note that these impulse wrenches are developed for a dynamic air pressure of 0,63 MPa maximum.

### Shut-off impulse wrenches selection:

- Hard joint: torque levels up to 95% of the specified torque range
- Soft joint: torque levels up to 85% of the specified torque range

### Non shut-off impulse wrenches selection:

- Hard joint: torque levels up to 100% of the specified torque range
- Soft joint: torque levels up to 90% of the specified torque range

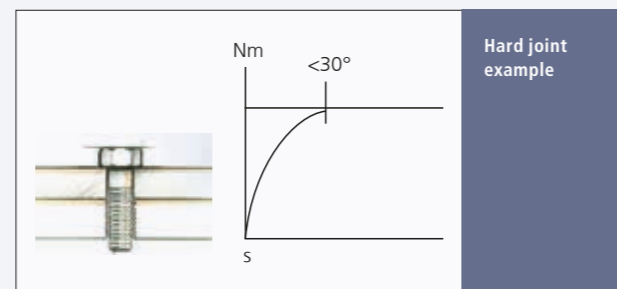
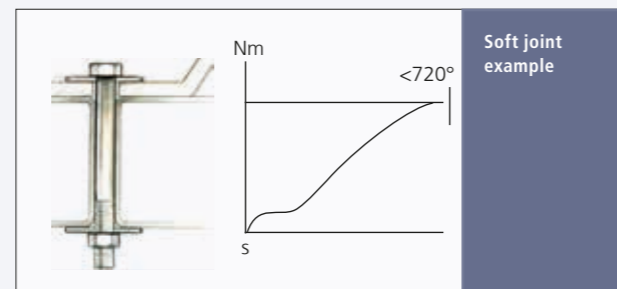
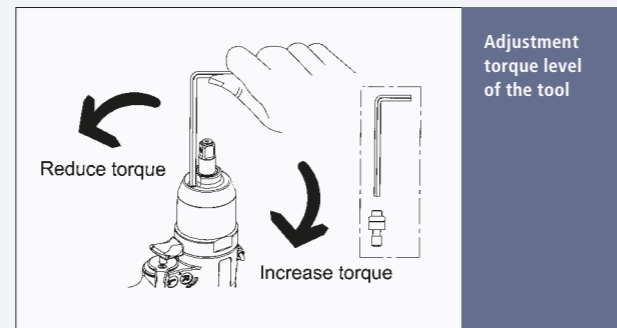
### Accessories

The size and shape of impact sockets influence the torque result. Extension bars, depending on the length, can lower the torque range with 5-30% inner torx and inner hexagon can lower the torque range with 5-20%.

### For the best result of the impulse wrench, use:

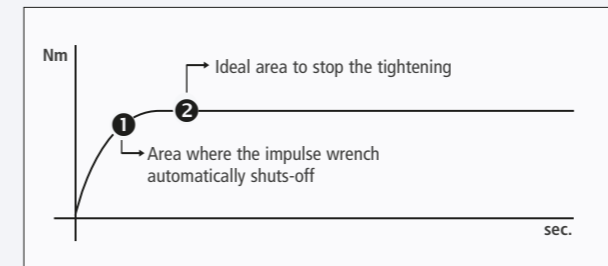
- Constant stabilized air pressure
- Sleeve drive sockets, impact quality (see pages 58-64)
- Impact quality accessories with the correct dimensions
- Accessories in good condition
- Correct hose inner diameter and length
- Lubricated air

We advise to use the impulse wrench up to 80% of its capacity for the highest productivity, accuracy and durability.



# SELECTION GUIDE

## specified torques range



### Impulse wrenches without shut-off ②

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

- Highest clampforce with smallest tolerances
- Smallest torque tolerances

### Impulse Wrenches with mechanical shut-off ①

Characteristics:

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

### Impulse Wrenches with integrated torque transducer ②

Characteristics:

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

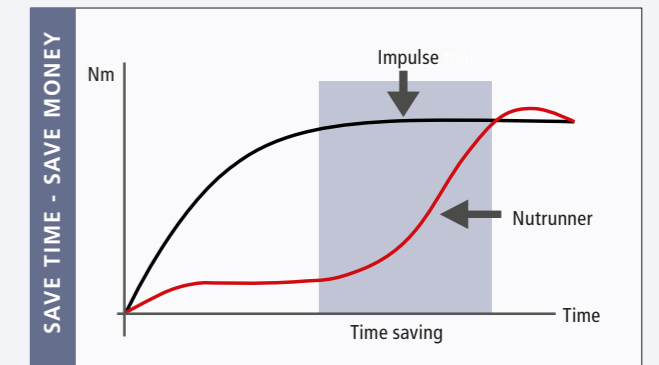
### Impulse Wrench with Poka Yoke+ system ②

Impulse wrench with controlled shut-off:

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

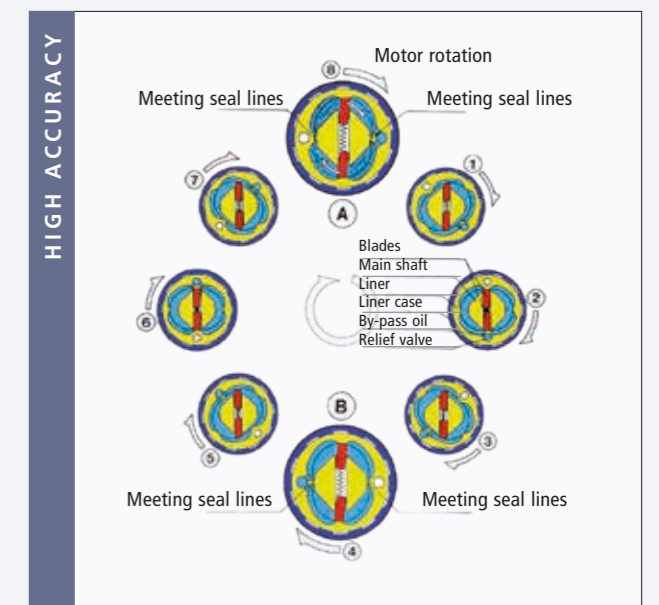
### Save time - save money

Because of the principal of using hydraulics to reach a certain torque, impulse tools can run at a high rpm. The required torque is reached in a split second. All YOKOTA and RED ROOSTER impulse wrenches can be used for hard and soft joints, and give a high accuracy/ repeatability and a low relaxation.



### High accuracy

Impulse wrenches have a twin blade impulse mechanism for sealing oil which gives a high repeatability. The mechanism is designed so that the liner, rotated by the air motor gives an equal torque on both blades and instant rotation torque on the mainshaft (see figure below). A by-pass is designed in the liner so that the oil can escape from the area of high pressure to the area of low pressure at the moment of creating a pulse and the amount of oil flow can be adjusted by the relief valve to control the torque output. Depending on model and setting, the impulse wrenches give 10 - 40 impulses per second. The power is transmitted by oil pressure and therefore the impulse wrenches have a very low noise and vibration level.



# YOKOTA IMPULSE WRENCHES

SPEED | PRECISION | QUALITY



**PNEUMATIC  
SYSTEM &  
IMPULSE  
WRENCHES**

SYSTEM WRENCHES PAGE 10 - 13  
IMPULSE WRENCHES PAGE 20 - 25



**BATTERY  
SYSTEM &  
IMPULSE  
WRENCHES**

PAGE 16 - 19



**ELECTRIC  
SYSTEM  
WRENCHES**

PAGE 14 - 15

# YOKOTA IMPULSE WRENCHES

INTELLIGENT ASSEMBLY SOLUTIONS

## Modern technology

YOKOTA Industrial Co. Ltd. (Japan) is making great effort to provide high quality and performance airtools for all industries. The modern technology is resulting in a high quality production system, based on 40 years of experience. The company is internationally orientated and active in global sales. The production of the YOKOTA airtools meets the demands of the 21 century. All developments are based on original and flexible ideas. The YOKOTA strategy is that development with team spirit, flexible ideas and young power will bring the best solutions. With all this research and developments YOKOTA is contributing to a better environment for the operator.

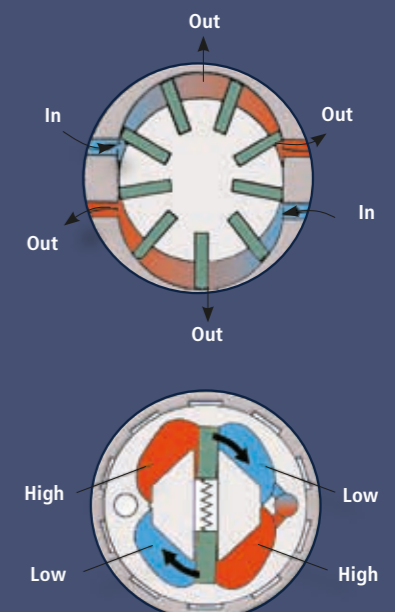
## Faster

YOKOTA impulse wrenches are widely used for tightening jobs in the assembly industry, where accurate torque tolerances are necessary. Impulse tools are light, powerful, small and very importantly, have no kick-back. The YOKOTA range of impulse tools is increasing fast, starting at 6 Nm to tighten small joints, and goes up to 600 Nm. Evaluation of tightening processes in car assembly shows that tightening joints uses 10% of the total assembly time. Working with faster tools therefore can speed up assembly lines substantially.



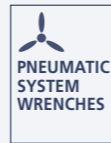
## Double chamber air motor

The YOKOTA Y-, YLa, YLT, YED- and TKa-series impulse wrenches with double chamber air motor reach the required torque very quickly. The tools have a high number of impulses per second, and therefore very accurate torques can be realized, resulting in increased production speed. The twin blade impulse unit is patented. YOKOTA's unique impulse mechanism reduces noise and vibration! **High impulse frequency.**



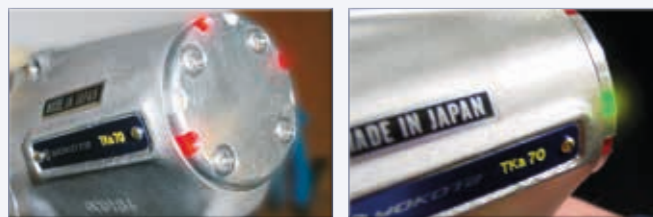


# CONTROL UNIT FOR THE TKA SERIES



YOKOTA in Japan developed the system wrench more than 30 years ago. The purpose of it being the tightening of threaded fasteners at high speed and accurate, with the possibility to count bolts in a group, have a detection method of errors during tightening and interact with the production line control systems, including the exchange of tightening data for traceability purposes. The latest developments have not only a torque transducer on the main shaft but also an angle encoder. By controlling the torque and monitoring the angle, all errors that can occur during the tightening process are detected (and acted upon).

### Optional on TKA system wrenches:

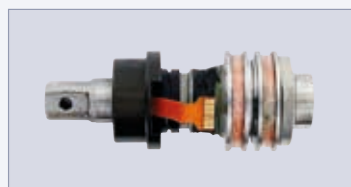


● Green= OK ● Red = NOK  
Visible from every angle: left, right, from top and behind.

### High accuracy

Product liability is essential to car manufacture. All tightened joints have to be correct. For this reason critical joints must be counted, documented and, of course, tightened with the right clamping force. In order to do this, you need an impulse wrench (with a built-in transducer) connected to a controller. This system ensures that only OK joints are counted resulting in "Zero Fault Production". This fail-safe system fits perfectly in the Poka Yoke Strategy.

### Transducer for the YEX, YED and TKA series



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. The angle sensor is also mounted on the main shaft.

### CHARACTERISTICS

- Easy to program, according to application specifications
- Easy to program with PC
- Torque calculation over several impulsions
- Compensation impulses to compensate the relaxation (soft joint)
- Poka Yoke proof, line management
- 2-step tightening optional
- 8 setting programs
- Parallel and RS-232 connectors standard
- 2-way communication through RS-232
- Automatic program change (sequence programmable)
- Real time clock
- Build-in timer for group control
- Several input signals
- Several output signals
- Statistics inside CP / CPK
- Memory for 10.000 cycles
- Transducer integrated, direct measurement
- Angle encoder integrated
- Compact angle encoder
- Torque transducer non - contact type
- Torque and angle curve on PC
- Easy torque adjustment on the tool
- LED or acoustic signal on the tool
- High efficiency air motor
- Shut-off by external solenoid valve

### POSSIBLE ERROR DETECTIONS

- Detection insufficient torque and over torque
- Detection friction out of tolerances
- Detection of too long / too short bolt
- Detection of seizure
- Detection of cross threaded threads
- Detection of crooked threads
- Detection of damaged threads
- Detection of double tightening
- Detection of blind holes

# SYSTEM WRENCHES TKA SERIES

electronic torque control & angle monitoring



| Type    | Square / Hex drive | Bolt capacity mm | RPM   | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Dimensions A mm | B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|---------|--------------------|------------------|-------|------------|-------------------|----------------------|-----------|-----------------|------|----------------------------|-------------------|
| TKa600A | 1/4" Hex           | 6                | 6.000 | 11-16      | 4,5               | 5,1                  | 1,34      | 189             | 21   | 2,1                        | 71                |
| TKa600  | 3/8" Sq.           | 6                | 6.000 | 14-20      | 4,5               | 5,1                  | 1,34      | 189             | 21   | 2,1                        | 71                |
| TKa700A | 1/4" Hex           | 6-8              | 7.000 | 24-33      | 5,3               | 6,9                  | 1,34      | 189             | 21   | 2,1                        | 75                |
| TKa700  | 3/8" Sq.           | 6-8              | 7.000 | 24-33      | 5,3               | 6,9                  | 1,34      | 189             | 21   | 2,1                        | 75                |
| TKa800  | 3/8" Sq.           | 8                | 7.000 | 32-46      | 5,3               | 7,1                  | 1,34      | 196             | 22   | 2,1                        | 75                |
| TKa900  | 3/8" Sq.           | 8-10             | 6.500 | 47-60      | 6,8               | 10,5                 | 1,50      | 204             | 23   | 2,1                        | 78                |
| TKa1110 | 1/2" Sq.           | 10-12            | 5.500 | 65-95      | 8,8               | 13,5                 | 1,97      | 220             | 25,5 | 2,2                        | 80                |
| TKa1200 | 1/2" Sq.           | 12               | 5.900 | 85-130     | 10                | 17,2                 | 2,4       | 223             | 28   | 2,2                        | 82                |
| TKa1400 | 1/2" Sq.           | 14               | 5.200 | 100-160    | 13                | 19                   | 3,00      | 246             | 29,0 | 2,2                        | 84                |
| TKa1500 | 1/2" Sq.           | 14-16            | 4.500 | 150-220    | 13,2              | 18,1                 | 3,4       | 242             | 32   | 2,4                        | 84                |

### SYSTEM KONFIGURATION

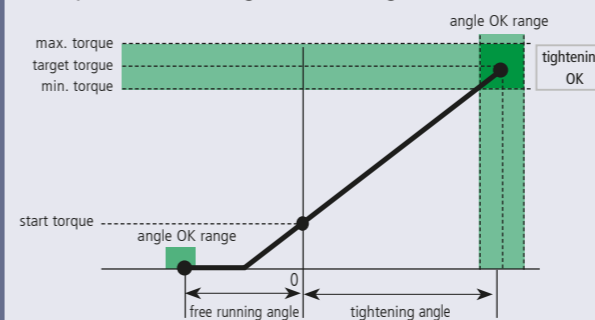
#### YETC-230ER

- Torque control
- Angle monitoring version
- One channel controller
- LAN version optional



#### YETC-230ER

Torque control & angle monitoring



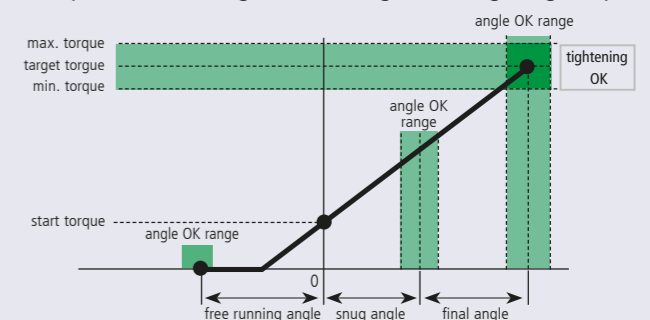
#### YETC-330ER2-L

- Torque control
- Angle monitoring version
- Two channel controller
- Two tools can be operated simultaneously
- LAN standard, two IP addresses



#### YETC-330ER2-L

Torque control & angle monitoring (including snug torque)



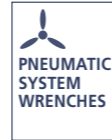
### ANALYSING SOFTWARE





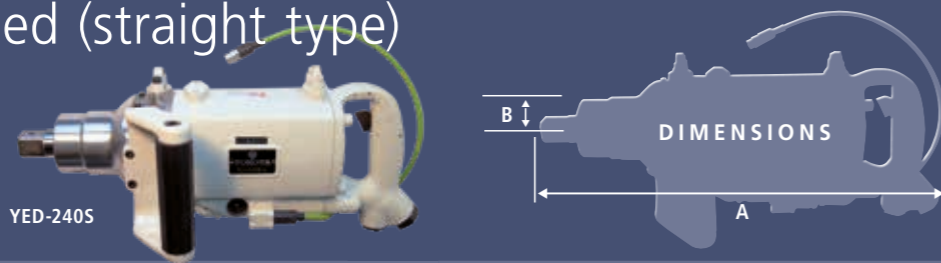
# SYSTEM WRENCHES TKA/YED SERIES

torque controlled (pistol type)



| Type                       | Square / Hex drive | Bolt capacity mm | RPM   | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Inlet-thread | Hose diameter mm | Dimensions A mm | B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|----------------------------|--------------------|------------------|-------|------------|-------------------|----------------------|-----------|--------------|------------------|-----------------|------|----------------------------|-------------------|
| TKa60A<br>TKa70A<br>TKa80A | 1/4" Hex           | 6                | 6.000 | 11 - 16    | 4,5               | 5,1                  | 1,3       | PT 1/4"      | 6,5              | 179             | 22   | 2,1                        | 71                |
| TKa60                      | 3/8" Sq.           | 6                | 6.000 | 14 - 20    | 4,5               | 5,1                  | 1,3       | PT 1/4"      | 6,5              | 179             | 22   | 2,1                        | 71                |
| TKa70                      | 3/8" Sq.           | 6 - 8            | 7.000 | 20 - 35    | 5,3               | 6,9                  | 1,3       | PT 1/4"      | 6,5              | 179             | 22   | 2,1                        | 75                |
| TKa80                      | 3/8" Sq.           | 8                | 7.000 | 32 - 46    | 5,3               | 7,1                  | 1,3       | PT 1/4"      | 6,5              | 186             | 22   | 2,1                        | 73                |
| TKa90                      | 3/8" Sq.           | 8 - 10           | 6.500 | 47 - 70    | 6,8               | 10,5                 | 1,5       | PT 1/4"      | 9,5              | 195             | 24   | 2,1                        | 78                |
| TKa110                     | 1/2" Sq.           | 10 - 12          | 6.000 | 65 - 105   | 8,8               | 13,5                 | 1,9       | PT 1/4"      | 9,5              | 210             | 26   | 2,2                        | 80                |
| TKa120                     | 1/2" Sq.           | 12               | 5.900 | 85 - 130   | 10,0              | 17,2                 | 2,4       | PT 1/4"      | 9,5              | 223             | 28   | 2,2                        | 82                |
| TKa140                     | 1/2" Sq.           | 14               | 5.200 | 100 - 160  | 13,0              | 19,0                 | 2,9       | PT 1/4"      | 9,5              | 235             | 30   | 2,2                        | 84                |
| TKa150                     | 1/2" Sq.           | 14 - 16          | 4.200 | 150 - 220  | 13,2              | 18,1                 | 3,4       | PT 1/4"      | 9,5              | 242             | 32   | 2,4                        | 84                |
| YED-200                    | 3/4" Sq.           | 20               | 3.400 | 155 - 360  | 18,3              | 32,2                 | 6,8       | PT 1/2"      | 12,7             | 309             | 40   | 4,2                        | 86                |

## Torque controlled (straight type)



| Type     | Square / Hex drive | Bolt capacity mm | RPM   | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Inlet-thread | Hose diameter mm | Dimensions A mm | B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|----------|--------------------|------------------|-------|------------|-------------------|----------------------|-----------|--------------|------------------|-----------------|------|----------------------------|-------------------|
| YED-240S | 1" Sq.             | 24               | 3.000 | 250 - 600  | 28,3              | 52,2                 | 11,2      | PT 1/2"      | 12,7             | 452             | 52,5 | 15,0                       | 92                |

**\* Torque specifications**

All specified torques are measured on the YOKOTA testers, series YET, at a dynamic airpressure of 0.63MPa. The YOKOTA testers have a static transducer, the specified torques are therefore to be used as a guidance only. In general the torque range will be lower in case of using lower airpressure, extension bars, torx or hexagon inset sockets, soft joints, etc.

SYSTEM-  
CONFIGURATION

### Multi fastening controller for the TKA, YED, YEX Series



**YETC-230EA**  
One channel controller



**YETC-230EA4**  
Four channel controller, several tools can be used at one time



**YETC-330EA2**  
Two channel controller, two tools can be operated simultaneous

# SYSTEM WRENCHES YEX-SERIES

torque controlled (pistol type)



| Type                 | Square / Hex drive   | Bolt capacity mm | RPM            | Torque Nm*            | Load aircons. l/s | No-load aircons. l/s | Weight kg  | Inlet-thread | Hose diameter mm | Dimensions A mm | B mm         | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|----------------------|----------------------|------------------|----------------|-----------------------|-------------------|----------------------|------------|--------------|------------------|-----------------|--------------|----------------------------|-------------------|
| YEX-120<br>YEX-120A  | 3/8" Sq.<br>1/4" Hex | 4 - 5            | 9.000          | 13 - 17<br>11 - 15    | 4,2               | 5                    | 1,43       | PT 1/4"      | 9,5              | 222<br>223      | 23           | 3                          | 72                |
| YEX-150<br>YEX-150A  | 3/8" Sq.<br>1/4" Hex | 5 - 6            | 9.000          | 19 - 27<br>14 - 22    | 4,2               | 7,8                  | 1,43       | PT 1/4"      | 9,5              | 222<br>223      | 23           | 3                          | 72                |
| YEX-501<br>YEX-501A  | 3/8" Sq.<br>1/4" Hex | 6 - 8            | 8.200          | 25 - 52<br>23 - 49    | 5,3               | 9,6                  | 2,0        | PT 1/4"      | 9,5              | 234<br>227      | 26,5         | 1,6                        | 68                |
| YEX-701<br>YEX-901   | 3/8" Sq.<br>1/2" Sq. | 8 - 10<br>10     | 8.000<br>6.100 | 45 - 75<br>61 - 104   | 6,7               | 13,5<br>12,5         | 2,2<br>2,7 | PT 1/4"      | 9,5              | 246<br>257      | 26,5<br>33,5 | 1,6<br>2,3                 | 71<br>73          |
| YEX-1400<br>YEX-1900 | 1/2" Sq.<br>1/2" Sq. | 10 - 12<br>12    | 5.900<br>5.800 | 92 - 142<br>115 - 183 | 8,3               | 16,5<br>15,8         | 3,5<br>4,1 | PT 1/4"      | 9,5              | 266<br>277      | 34<br>39     | 3                          | 80<br>80          |
| YEX-3000             | 3/4" Sq.             | 16               | 4.000          | 186 - 284             | 10,0              | 20,5                 | 6,4        | PT 1/4"      | 12,7             | 309             | 40           | 4                          | 82                |

## Torque controlled (straight type)



| Type                               | Square / Hex drive               | Bolt capacity mm    | RPM                     | Torque Nm*                     | Load aircons. l/s | No-load aircons. l/s | Weight kg           | Inlet-thread | Hose diameter mm | Dimensions A mm   | B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|------------------------------------|----------------------------------|---------------------|-------------------------|--------------------------------|-------------------|----------------------|---------------------|--------------|------------------|-------------------|------|----------------------------|-------------------|
| YEX-100SA<br>YEX-120SA<br>YEX-150S | 3/8" Hex<br>1/4" Hex<br>3/8" Sq. | 5<br>4 - 5<br>5 - 6 | 8.000<br>7.000<br>8.000 | 4,3 - 12<br>11 - 15<br>19 - 27 | 3,6<br>4,2<br>4,2 | 4,4<br>5<br>7,8      | 1,2<br>1,38<br>1,35 | PT 1/4"      | 9,5              | 285<br>279<br>275 | 23   | 3<br>3<br>3,3              | 77<br>72<br>73    |
| YEX-150SA                          | 1/4" Hex                         | 5 - 6               | 8.000                   | 14 - 22                        | 4,2               | 7,8                  | 1,35                | PT 1/4"      | 9,5              | 276               | 23   | 3,3                        | 73                |
| YEX-300S<br>YEX-300SA              | 3/8" Sq.<br>1/4" Hex             | 6<br>6              | 8.000<br>8.000          | 25 - 33<br>21 - 29             | 5,0<br>5,0        | 9,1<br>9,1           | 1,8<br>1,8          | PT 1/4"      | 9,5              | 312<br>313        | 27   | 5,3<br>5,3                 | 71<br>71          |
| YEX-500S<br>YEX-500SA              | 3/8" Sq.<br>1/4" Hex             | 6 - 8<br>6 - 8      | 7.800<br>7.800          | 23 - 49<br>21 - 47             | 5,0<br>5,0        | 9,1<br>9,1           | 2,1<br>2,1          | PT 1/4"      | 9,5              | 333<br>224        | 27   | 6,6<br>6,6                 | 71<br>71          |
| YEX-700S                           | 3/8" Sq.                         | 8                   | 7.500                   | 33 - 61                        | 5,8               | 11,2                 | 2,3                 | PT 1/4"      | 9,5              | 333               | 27   | 6,6                        | 72                |

**\* Torque specifications**

All specified torques are measured on the YOKOTA testers, series YET, at a dynamic airpressure of 0.63MPa. The YOKOTA testers have a static transducer, the specified torques are therefore to be used as a guidance only. In general the torque range will be lower in case of using lower airpressure, extension bars, torx or hexagon inset sockets, soft joints, etc.

For a system YEX, YED or TKA you need: 1 x Controller YETC-230 or YETC-330, 1 x Impulse wrench YEX, YED or TKA [ & 1 Solenoid valve YETC-2 SVD and 1 Tool cable which you can find on page 53]



The YOKOTA electric system wrenches with integrated torque transducer and angle sensor offer a large reduction of energy consumption, a high degree of accuracy and fantastic work efficiency.

**Electric drive:**

- Reduction of energy consumption → Lean and Green.
- No need for pneumatic installation with compressor, air piping, hose and solenoid valves.
- No need for lubrication of the tool. Good for the working environment, especially near paint shops.
- Due to the newly developed outer rotor servo motor and the composite body, the YOKOTA system e-wrench has lightest weight in its class.

**Reliable and accurate tightening:**

- Faulty tightening detection with the maximum accuracy due to the use of an integrated torque transducer and also an integrated angle sensor.
- During the tightening process, four different variables are measured and monitored: Torque - Angle - Time - N°. of Impulses.
- Torque transducer and angle sensor located directly at the front of the main shaft, giving the best accuracy of measurement.
- Torque transducer measures directly and transmits the signals contactless.
- The angle sensor is an extremely compact (PAT) rotary encoder that detects both angle as well as direction by 1 degree, signal transmission contactless.
- Detects cross threads, double hits, contamination, etc.

**Durability:**

- The impulse unit is supported on both ends by ball bearings (PAT.P).
- The impulse unit has a check valve mechanism (PAT.P) to reduce oil pressure on the main shaft.
- For heat suppression of the impulse unit it is equipped with a separate cooling fan.
- For heat suppression of the motor it is equipped with a cooling fan that reduced motor size (and weight at the same time).

the oil impulse mechanism, even at high torque bolt tightening.

- Compared with older models, the number of bolt tightening is improved to 20 bolts/minute.
  - Special feature to prevent cross threaded tightening: reversely rotating a bolt to a preset angle at the start of tightening.
  - High speeds: Free speed (bolt run down) of 4800 RPM.
  - High intensity LED light to project on the bolt.
  - Combinations of buzzers and LED (Green / Red) for operator feedback on OK / NG tightenings.
  - Motor speed freely adjustable in the controller.
- For three different speed stages:  
 Start of trigger / Run down / Final tightening.

**Controller features:**

- 20 different parameter settings possible, for a variety of different work pieces.
- Touch screen LCD color display, showing graphs, torque, angle, impulses and more.
- Group management function (counting).
- Result of tightening output through various interfaces: USB, RS-232C, I/O and Ethernet connector.
- Simultaneous use of two tools on one controller is possible.



New developed outer rotor motor



| Type    | Square / Hex drive | Bolt capacity mm | RPM       | Torque Nm | Weight kg | Noise level dB(A) | Dimensions |      |
|---------|--------------------|------------------|-----------|-----------|-----------|-------------------|------------|------|
|         |                    |                  |           |           |           |                   | A mm       | B mm |
| E-M500  | 3/8" Sq.           | M5 - M6          | 300-4.800 | 3 - 10    | 2,10      | 75                | 236        | 32,5 |
| E-M700  | 3/8" Sq.           | M6 - M8          | 300-4.800 | 7,5 - 35  | 2,18      | 75                | 236        | 32,5 |
| E-M900  | 3/8" Sq.           | M8 - M10         | 300-4.800 | 30 - 60   | 2,25      | 78                | 236        | 32,5 |
| E-M1100 | 1/2" Sq.           | M10 - M12        | 300-4.800 | 50 - 90   | 2,52      | 80                | 248        | 32,5 |



ACCESSORIES



**Controller YETC-500**

For electric system wrenches with built-in angle and torque sensor.

| Controller | Controller front panel   | Controller back panel   |
|------------|--|---|
|            |  |   |
|            | 1. Touch panel type LCD<br>2. RS-232C serial connector<br>3. USB connector | 1. Ethernet connector (option)<br>2. I/O terminal board<br>3. Tool connector 1<br>4. Tool connector 2 |

**Controller**

| Description          | Order number  |
|----------------------|---------------|
| LAN Ethernet-Version | YETC-500-10SL |
| Serial communication | YETC-500-10SO |

Also versions for Profinet and Ethernet-IP communication available

**Extension toolcable**

| Length | Order number    |
|--------|-----------------|
| 5 m    | 7906-1591-00-01 |
| 10 m   | 7906-1591-00-02 |

**Amplifier**

| Order number |
|--------------|
| E-PDA-4      |

**Controller link up cable**

| Length | Order number    |
|--------|-----------------|
| 30 cm  | 7906-1592-00-01 |



# YOKOTA - INTELLIGENT ASSEMBLY SOLUTIONS

## BATTERY SYSTEM WRENCHES



YOKOTA impulse wrenches are powerful, very accurate and most important, have no kick-back. The YOKOTA system e-wrench has a built-in torque transducer and angle-encoder on the main shaft and is wireless connected to a controller. Each controller can connect with up to 4 independently operating battery system e-wrenches. The YOKOTA battery system e-wrench is the perfect solution for applications where cables or hoses are disruptive, and still all tightening data needs to be checked and documented.

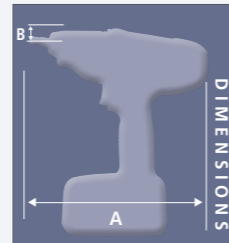


### Characteristics:

- Complete freedom of movement by use of batteries
- Very low weight / torque ratio
- High speed fastening
- Acoustic and LED signals for tightening status indication
- No Kickback
- Electric (brushless) servo drive, freely RPM adjustable
- Hybrid technology
- 100% check on tightening abnormalities like cross thread, double hit, etc.

BATTERY (18V 2 AH: BPL-1820) AND CHARGER (BC0075G) HAVE TO BE ORDERED SEPERATELY.

| Type    | Volt. V | Battery type | Square / Hex drive | Bolt capacity mm | RPM         | Torque Nm | Weight (inclu. battery) kg | Vibration m/s <sup>2</sup> | Noise level dB(A) | Dimensions A mm | B mm |
|---------|---------|--------------|--------------------|------------------|-------------|-----------|----------------------------|----------------------------|-------------------|-----------------|------|
| YS-e600 | 18 V    | Li-ion 2 AH  | 3/8" Sq.           | 6                | 1.200-4.800 | 7 - 20    | 1,75                       | <2,5                       | 72                | 214             | 26   |
| YS-e800 | 18 V    | Li-ion 2 AH  | 3/8" Sq.           | 8                | 1.200-4.800 | 15 - 35   | 1,80                       | <2,5                       | 76                | 214             | 26   |
| YS-e900 | 18 V    | Li-ion 2 AH  | 3/8" Sq.           | 8-10             | 1.200-4.800 | 30 - 50   | 1,90                       | <2,5                       | 78                | 226             | 26   |
| YS-e950 | 18 V    | Li-ion 2 AH  | 3/8" Sq.           | 10               | 1.200-4.800 | 40 - 60   | 1,94                       | <2,5                       | 78                | 226             | 26   |



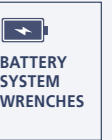
### ACCESSORIES



| Type                              | Order number | Rubber protection cover | Ordernumber                 |
|-----------------------------------|--------------|-------------------------|-----------------------------|
| Wireless unit                     | WU-1         |                         | YS-e600 0444-0029-00-00     |
| Display                           | DS-1         |                         | YS-e800 0445-0029-00-00     |
| Programming console               | PC-1         |                         | YS-e900 0446-0029-00-00     |
| Li-Ion-Battery (0,41 kg) 18V 2 Ah | BPL-1820     |                         | YS-e950 0447-0029-00-00     |
| Charger 18 Volt (40 Min.)         | BC0075G      |                         | for battery 0446-0029-00-01 |

# YOKOTA - INTELLIGENT ASSEMBLY SOLUTIONS

## BATTERY SYSTEM WRENCHES



### SYSTEM KONFIGURATION

#### System configuration

- Possible to connect 4 tools with the wireless unit
- WLAN communication between tool and controller
- Poka Yoke compatible
- Traceability tightening data
- LAN and RS 232 interface
- I/O terminal for input and output signals



#### Wireless unit WU-1

- Parameter input with PC-1 or computer
- USB: setting data back up and restore, memory read out.
- Memory for 10.000 cycles per tool
- Tightening results on DS-1 and and/or PC-1
- 4 display connections



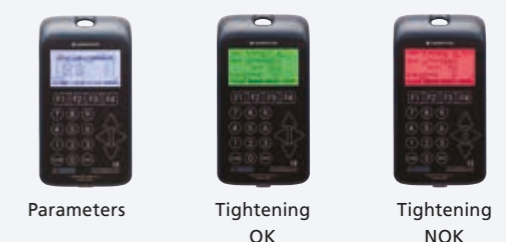
#### Display DS-1

- Display shows: tool number, program, torque, OK/NOK, angle, number of pulses, remaining tightenings.



#### Programming consol PC-1

- For setting the parameters
- Tightening results are displayed
- OK/NOK is displayed





# BATTERY IMPULSE WRENCHES ELECTRONIC CONTROLLED SHUT-OFF



The YBX-600T is an Electronically Controlled battery impulse wrench with integrated angle encoder for highly accurate torque tolerances. The shut-off is calculated over several impulses. The controller is integrated and enables counting, Poka Yoke.

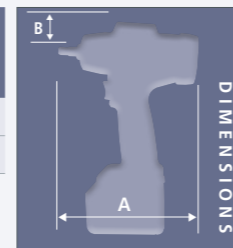
**Characteristics:**

- Very high accuracy
- Electronically controlled shut-off OK/NOK LED on display
- Counting function
- No kick-back
- Maintenance free motor (brushless)
- Lithium-ion battery, sliding model
- Perfectly balanced
- Compact lightweight
- Low vibration and noise levels
- Controller integrated
- Pincode (password protection)



BATTERY ( 18V 1,5 AH: BL-22) AND CHARGER (BC200) HAVE TA BE ORDERED SEPERATELY.

| Typ       | Drive    | Bolt capacity mm | RPM   | Torque Nm* | Weight excl. battery kg | Vibration m/s <sup>2</sup> | Noise levels dB(A) | Dimensions |      |
|-----------|----------|------------------|-------|------------|-------------------------|----------------------------|--------------------|------------|------|
|           |          |                  |       |            |                         |                            |                    | A mm       | B mm |
| YBX-600TE | 3/8" Sq. | M6               | 2.000 | 8 - 20     | 1,50                    | < 2,5                      | 77                 | 170        | 37   |
| YBX-800TE | 3/8" Sq. | M8               | 2.000 | 18 - 35    | 1,55                    | < 2,5                      | 78                 | 174        | 37   |



| ACCESSORIES   |                 |
|---|-----------------|
| Description   | Order number    |
| Charger   |                 |
| Li-Ion-Battery  |                 |
| Rubber protection cover for battery   |                 |
| <b>Li-Ion-Battery</b><br>22,2 V / 1,5 Ah Li-ion, type BL 22,<br>charging time: 20 minutes | 0351-1521-03-99 |
| <b>Rubber protection cover for battery</b>  | 0351-0029-00-01 |
| <b>Charger</b><br>100 - 240 Volt, type BC200<br>charging time: 20 minutes                 | 7679-0000-01-00 |

**ELECTRONICALLY CONTROLLED**

YBX-600TE in use

Tightening: OK

The YBX-600T and YBX-800T are Electronically Controlled battery impulse wrenches with integrated angle encoder for highly accurate torque tolerances. The shut-off is calculated over several impulses. The controller is integrated and enables counting, Poka Yoke.

# BATTERY IMPULSE WRENCHES NON SHUT-OFF



YOKOTA battery impulse wrenches are powerful, very accurate and most important, have no kick-back. The very compact design offers great accessibility to the joint. Tightening bolts M6 up to M10 with torque levels up to 65 Nm with very high speed and remarkably low reaction forces. The combination of adjustment of the relief valve and speed setting of the motor gives a great fit-for-purpose adaptation to the specific bolted joint



**General characteristics:**

- No kickback
- High speed fastening
- Hybrid technology
- Servo drive brushless motor

**Torque adjustment:**

- Mechanical relief valve adjustment
- 4 RPM settings, 2000/3000/4000/4800 RPM, to be set according application/joint conditions
- High accuracy

**Very compact design:**

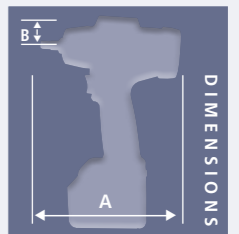
- No planet gear between motor and impulse unit resulting in extremely low vibration and low noise
- Light weight
- Very well balanced

**Error LED indication:**

- Overheat error
- Motor/driver error
- Battery capacity warning

**Battery:**

- Lithium-Ion technology (no memory effects)
- Sliding battery
- Capacity indicator



BATTERY ( 18V 2 AH: BPL-1820) AND CHARGER (BC0075G) HAVE TA BE ORDERED SEPERATELY.

| Type     | Volt. V | Battery type | Square / Hex drive | Bolt capacity mm | RPM        | Torque Nm | Weight kg       |              | Vibration m/s <sup>2</sup> | Noise level dB(A) | Dimensions |      |
|----------|---------|--------------|--------------------|------------------|------------|-----------|-----------------|--------------|----------------------------|-------------------|------------|------|
|          |         |              |                    |                  |            |           | without battery | with battery |                            |                   | A mm       | B mm |
| YZ-N600A | 18 V    | Li-ion 2 AH  | 1/4 Hex            | 6                | 2000-4.800 | 7-20      | 1               | 1,41         | <2,5                       | 72                | 152        | 29,5 |
| YZ-N600  | 18 V    | Li-ion 2 AH  | 3/8" Sq.           | 6                | 2000-4.800 | 8-25      | 1               | 1,41         | <2,5                       | 72                | 152        | 29,5 |
| YZ-N800A | 18 V    | Li-ion 2 AH  | 1/4 Hex            | 6-8              | 2000-4.800 | 7-30      | 1,05            | 1,46         | <2,5                       | 75                | 157        | 29,5 |
| YZ-N800  | 18 V    | Li-ion 2 AH  | 3/8" Sq.           | 6-8              | 2000-4.800 | 9-35      | 1,05            | 1,46         | <2,5                       | 75                | 157        | 29,5 |
| YZ-N900  | 18 V    | Li-ion 2 AH  | 3/8" Sq.           | 8-10             | 2000-4.800 | 16-60     | 1,20            | 1,61         | <2,5                       | 77                | 164        | 29,5 |
| YZ-N950  | 18 V    | Li-ion 2 AH  | 3/8" Sq.           | 8-10             | 2000-4.800 | 20-65     | 1,25            | 1,66         | <2,5                       | 78                | 164        | 29,5 |

| ACCESSORIES                              |              |
|--|--------------|
| Type                                     | Order number |
| Li-Ion-battery<br>18 V/2.0 Ah            |              |
| Charger<br>AC100-240 Volt ±10% 50/60Hz   |              |
| <b>Li-Ion-Battery (0,41 kg) 18V 2 Ah</b> | BPL-1820     |
| <b>Charger 18 Volt (40 Min.)</b>         | BC0075G      |

# POKA YOKE+ SYSTEM

for YLa-JQ and Y-JQ series

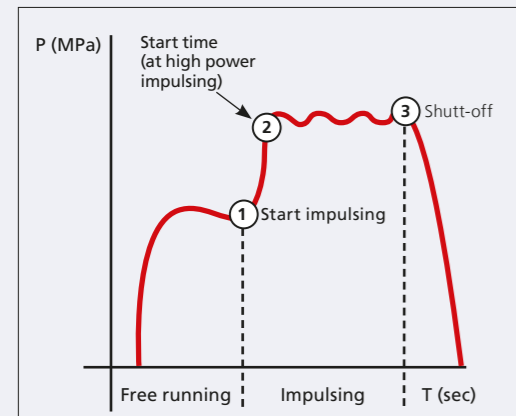


### Poka Yoke+: functioning principle

The system is controlled by measuring the air pressure at the inlet side of the air motor. This air pressure varies from free running to impulsing. By this measured air pressure the controller detects contact of the bolt head (point 2). Upon contact, the adjustable timer gives the shut-off signal (point 3). Adjustability of the timer takes care of adoption to either hard or soft joints. Similar, the controller detects double hits and trigger release before shut-off.

### Superior clampforces

In conventional shut-off tools point 2 is the shut-off point. Due to the above mentioned principle of the Poka Yoke+ controller, the relaxation is minimized and the correct torque and clampforce are achieved. This system is more accurate than shut-off or standard impuls wrenches. The torque is adjusted at the impulse mechanism. In combination with the parameters in the controller YTC-3, a reliable shut-off is achieved.



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

### 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

# YLa-JQ & Y-JQ SERIES



### Lightweight YLa-JQ series

| Type       | Square/Hex drive | Bolt capacity mm | RPM   | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Inlet thread | Hose diameter mm | Dimensions A mm | B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|------------|------------------|------------------|-------|------------|-------------------|----------------------|-----------|--------------|------------------|-----------------|------|----------------------------|-------------------|
| YLa60A-JQ  | 1/4" Hex         | 6                | 4.000 | 11 - 20    | 5,0               | 5,5                  | 0,78      | PT 1/4"      | 6,5              | 130             | 22   | 1,4                        | 71                |
| YLa60E-JQ  | 3/8" Sq.         | 6                | 4.000 | 13 - 22    | 5,0               | 5,5                  | 0,78      | PT 1/4"      | 6,6              | 130             | 22   | 1,4                        | 71                |
| YLa70A-JQ  | 1/4" Hex         | 6 - 8            | 7.000 | 20 - 28    | 5,5               | 6,1                  | 0,80      | PT 1/4"      | 6,5              | 132             | 22   | 1,4                        | 74                |
| YLa70E-JQ  | 3/8" Sq.         | 6 - 8            | 7.000 | 20 - 35    | 5,5               | 6,1                  | 0,80      | PT 1/4"      | 6,5              | 132             | 22   | 1,4                        | 74                |
| YLa80A-JQ  | 1/4" Hex         | 8                | 7.000 | 24 - 35    | 5,8               | 9,0                  | 0,90      | PT 1/4"      | 6,5              | 139             | 22   | 1,2                        | 75                |
| YLa80E-JQ  | 3/8" Sq.         | 8                | 7.000 | 33 - 50    | 5,8               | 9,0                  | 0,90      | PT 1/4"      | 6,5              | 139             | 22   | 1,2                        | 75                |
| YLa90E-JQ  | 3/8" Sq.         | 8 - 10           | 6.500 | 47 - 70    | 6,7               | 11,8                 | 1,00      | PT 1/4"      | 10               | 148             | 24   | 1,2                        | 78                |
| YLa110E-JQ | 1/2" Sq.         | 10 - 12          | 6.000 | 65 - 105   | 9,6               | 13,1                 | 1,40      | PT 1/4"      | 10               | 164             | 26   | 1,8                        | 81                |
| YLa120E-JQ | 1/2" Sq.         | 12               | 6.600 | 80 - 130   | 10,0              | 15,6                 | 1,80      | PT 1/4"      | 10               | 172             | 28   | 2,2                        | 82                |
| YLa140E-JQ | 1/2" Sq.         | 14               | 6.000 | 100 - 160  | 13,0              | 18,9                 | 2,20      | PT 1/4"      | 10               | 190             | 30   | 2,4                        | 84                |

### Y-JQ series

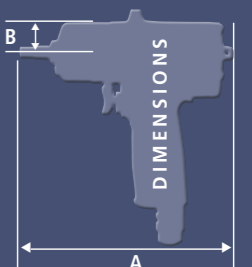
| Type     | Square / Hex drive | Bolt capacity mm | RPM   | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Inlet thread | Hose diameter mm | Dimensions A mm | B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|----------|--------------------|------------------|-------|------------|-------------------|----------------------|-----------|--------------|------------------|-----------------|------|----------------------------|-------------------|
| Y-41A-JQ | 1/4" Hex           | 4 - 6            | 9.300 | 6 - 12     | 5,0               | 8,8                  | 0,73      | PT 1/4"      | 6,5              | 141             | 17   | 2,1                        | 72                |
| Y-46E-JQ | 3/8" Sq.           | 5 - 6            | 8.000 | 16 - 30    | 5,8               | 9,6                  | 0,87      | PT 1/4"      | 6,5              | 158             | 18   | 1,0                        | 80                |
| Y-140JQ  | 3/4" Sq.           | 16               | 3.300 | 160 - 270  | 13,1              | 18,4                 | 3,20      | PT 1/4"      | 13               | 226             | 36   | 3,3                        | 82                |

#### \* Torque specifications

All specified torques are measured on the YOKOTA testers, series YET, at a dynamic airpressure of 0.63MPa. The YOKOTA testers have a static transducer, the specified torques are therefore to be used as a guidance only. In general the torque range will be lower in case of using lower airpressure, extension bars, torx or hexagon inset sockets, soft joints, etc.

Rubber protection covers for YLa-JQ and Y-JQ impulse wrenches are included in the box.

Accessories for impulse wrenches on pages 54.





# YLT-SERIES: SHUT-OFF



## 0,5-0,6 MPa series

| Type     | Square/hex drive | Bolt capacity mm | RPM   | Torque Nm*<br>0,5-0,6 MPA | Load aircons. l/s | No-load aircons. l/s | Inlet-thread | Weight kg | Hose diameter mm | Dimensions A mm B mm | Vibration m/s <sup>2</sup> | Noise level dB(A) |
|----------|------------------|------------------|-------|---------------------------|-------------------|----------------------|--------------|-----------|------------------|----------------------|----------------------------|-------------------|
| YLTx50A  | 1/4" Hex         | 5                | 4.300 | 4,5 - 8                   | 4,2               | 4,6                  | PT 1/4"      | 0,95      | 6,5              | 164 22,5             | 1,1                        | 70                |
| YLTx60A  | 1/4" Hex         | 6                | 5.300 | 6 - 13                    | 5,5               | 5,6                  | PT 1/4"      | 0,95      | 6,5              | 164 22,5             | 1,4                        | 72                |
| YLTx70A  | 1/4" Hex         | 6-8              | 6.800 | 13 - 28                   | 6,0               | 8,8                  | PT 1/4"      | 1,01      | 6,5              | 177 23               | 1,8                        | 74                |
| YLTx50E  | 3/8" Sq.         | 5                | 4.300 | 4,5 - 8                   | 4,2               | 4,6                  | PT 1/4"      | 0,95      | 6,5              | 164 22,5             | 1,1                        | 72                |
| YLTx60E  | 3/8" Sq.         | 6                | 5.300 | 7 - 15,5                  | 5,5               | 5,6                  | PT 1/4"      | 0,95      | 6,5              | 164 22,5             | 1,4                        | 72                |
| YLTx70E  | 3/8" Sq.         | 6-8              | 6.800 | 15 - 32                   | 6,0               | 8,8                  | PT 1/4"      | 1,01      | 6,5              | 177 23               | 1,8                        | 74                |
| YLTx80E  | 3/8" Sq.         | 8                | 6.800 | 30 - 55                   | 7,3               | 9,2                  | PT 1/4"      | 1,12      | 10               | 187 24,5             | 1,9                        | 78                |
| YLTx110E | 1/2" Sq.         | 10-12            | 5.800 | 50 - 85                   | 8,3               | 13,5                 | PT 1/4"      | 1,51      | 10               | 194 28,5             | 1,8                        | 81                |
| YLTx120E | 1/2" Sq.         | 12               | 5.400 | 70 - 115                  | 8,6               | 14,6                 | PT 1/4"      | 1,79      | 10               | 201 31               | 2,2                        | 83                |
| YLTx140E | 1/2" Sq.         | 14               | 5.200 | 110 - 150                 | 11,8              | 16,6                 | PT 1/4"      | 2,08      | 10               | 214 32,5             | 5,2                        | 85                |
| YLTx150  | 3/4" Sq.         | 16               | 4.400 | 140 - 210                 | 11,8              | 17                   | PT 1/4"      | 2,95      | 10               | 237 38,5             | 6,2                        | 85                |

## 0,4-0,5 MPa series

| Type     | Square/hex drive | Bolt capacity mm | RPM   | Torque Nm*<br>0,4-0,5 MPA | Load aircons. l/s | No-load aircons. l/s | Inlet-thread | Weight kg | Hose diameter mm | Dimensions A mm B mm | Vibration m/s <sup>2</sup> | Noise level dB(A) |
|----------|------------------|------------------|-------|---------------------------|-------------------|----------------------|--------------|-----------|------------------|----------------------|----------------------------|-------------------|
| YLT60AL  | 1/4" Hex         | 6                | 4.500 | 5 - 11,5                  | 5,5               | 4,8                  | PT 1/4"      | 0,95      | 6,5              | 164 22,5             | 1,4                        | 72                |
| YLT70AL  | 1/4" Hex         | 6-8              | 6.300 | 11 - 25                   | 6,0               | 7,8                  | PT 1/4"      | 1,01      | 6,5              | 177 23               | 1,8                        | 74                |
| YLT60EL  | 3/8" Sq.         | 6                | 4.500 | 6 - 13,5                  | 5,5               | 4,8                  | PT 1/4"      | 0,95      | 6,5              | 164 22,5             | 1,4                        | 72                |
| YLT70EL  | 3/8" Sq.         | 6-8              | 6.300 | 13 - 28                   | 6,0               | 7,8                  | PT 1/4"      | 1,01      | 6,5              | 177 23               | 1,8                        | 74                |
| YLT80EL  | 3/8" Sq.         | 8                | 6.600 | 25 - 48                   | 7,3               | 8                    | PT 1/4"      | 1,12      | 10               | 187 24,5             | 1,9                        | 78                |
| YLT110EL | 1/2" Sq.         | 10-12            | 5.600 | 45 - 75                   | 8,3               | 11,8                 | PT 1/4"      | 1,51      | 10               | 194 28,5             | 1,8                        | 81                |
| YLT120EL | 1/2" Sq.         | 12               | 5.200 | 60 - 100                  | 8,6               | 12,3                 | PT 1/4"      | 1,79      | 10               | 201 31               | 2,2                        | 83                |
| YLT140EL | 1/2" Sq.         | 14               | 4.900 | 80 - 125                  | 11,8              | 14,1                 | PT 1/4"      | 2,08      | 10               | 214 32,5             | 5,2                        | 85                |

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

FEATURES

- **Maximum accuracy:** extremely accurate and fast
- **Maximum ergonomics:** ergo touch / ergo grip / ergo trigger / low noise / low vibration
- **Minimal environmental impact:** reduction of CO2 emission
- **Double chamber airmotor:** compact high efficiency
- **Oil-free:** can be used with non lubricated air

Rubber protection covers for all YLT-series impulse wrenches are included in the box.

YLT-J



All YLT models are available as J-version: signal hose for detecting shut-off, to connect to counting systems (PLC), line control etc.

# YLA-SERIES: NON SHUT-OFF

double chamber air motor, lightweight



| Type    | Square / Hex drive | Bolt capacity mm | RPM   | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Inlet thread | Hose diameter mm | Dimensions A mm B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|---------|--------------------|------------------|-------|------------|-------------------|----------------------|-----------|--------------|------------------|----------------------|----------------------------|-------------------|
| YLa60A  | 1/4" Hex           | 6                | 4.000 | 9 - 20     | 5                 | 5,5                  | 0,78      | PT 1/4"      | 6,5              | 130 22               | 1,4                        | 71                |
| YLa70A  | 1/4" Hex           | 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" Hex           | 8                | 7.000 | 24 - 35    | 5,8               | 9                    | 0,9       | PT 1/4"      | 6,5              | 139 22               | 1,2                        | 75                |
| YLa60E  | 3/8" Sq.           | 6                | 4.000 | 13 - 22    | 5                 | 5,5                  | 0,78      | PT 1/4"      | 6,5              | 130 22               | 1,4                        | 71                |
| YLa70E  | 3/8" Sq.           | 6-8              | 7.000 | 20 - 35    | 5,5               | 6,1                  | 0,8       | PT 1/4"      | 6,5              | 132 22               | 1,4                        | 74                |
| YLa80E  | 3/8" Sq.           | 8                | 7.000 | 33 - 50    | 5,8               | 9                    | 0,9       | PT 1/4"      | 6,5              | 139 22               | 1,2                        | 75                |
| YLa90E  | 3/8" Sq.           | 8-10             | 6.500 | 47 - 70    | 6,7               | 11,8                 | 1,0       | PT 1/4"      | 10               | 148 24               | 1,2                        | 78                |
| YLa110E | 1/2" Sq.           | 10-12            | 6.000 | 65 - 105   | 9,6               | 13,1                 | 1,4       | PT 1/4"      | 10               | 164 26               | 1,8                        | 81                |
| YLa120E | 1/2" Sq.           | 12               | 6.600 | 80 - 130   | 10                | 15,6                 | 1,8       | PT 1/4"      | 10               | 172 28               | 2,2                        | 82                |
| YLa140E | 1/2" Sq.           | 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 guidance only.

FEATURES

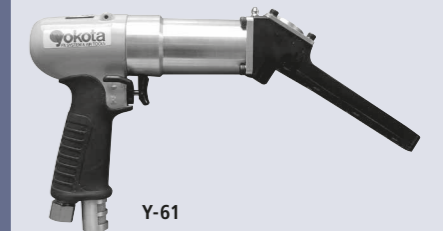
- **Maximum accuracy:** extremely accurate and fast
- **Maximum ergonomics:** ergo touch / ergo grip / ergo trigger / low noise / low vibration
- **Minimal environmental impact:** reduction of CO2 emission / Low noise / Low vibration
- **Double chamber airmotor:** compact high efficiency
- **Oil-free:** can be used with non lubricated air

Rubber protection covers for all YLa-series impulse wrenches are included in the box.

TAILOR MADE IMPULSE WRENCHES

For any application, where access to the joint is difficult, we are able to provide tailor made impulse wrenches.

Send us your enquiry, or contact.



Y-61



# Y-SERIES: NON SHUT-OFF

double chamber air motor



| Type                 | Square / Hex drive | Bolt capacity mm | RPM    | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Inlet thread | Hose diameter mm | Dimensions A mm | B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|----------------------|--------------------|------------------|--------|------------|-------------------|----------------------|-----------|--------------|------------------|-----------------|------|----------------------------|-------------------|
| Y-40SA <sup>1)</sup> | 1/4" Hex           | 4 - 6            | 10.000 | 6 - 12     | 5,0               | 7,6                  | 0,84      | PT 1/4"      | 6,5              | 229             | 17   | 4,6                        | 69                |
| Y-41A                | 1/4" Hex           | 4 - 6            | 9.300  | 6 - 12     | 5,0               | 8,8                  | 0,73      | PT 1/4"      | 6,5              | 141             | 17   | 2,1                        | 72                |
| Y-46E                | 3/8" Sq.           | 5 - 6            | 8.000  | 16 - 30    | 5,8               | 9,6                  | 0,87      | PT 1/4"      | 6,5              | 158             | 18   | 1,0                        | 80                |
| Y-46A                | 1/4" Hex           | 5 - 6            | 8.000  | 16 - 26    | 5,8               | 9,6                  | 0,87      | PT 1/4"      | 6,5              | 158             | 18   | 1,0                        | 80                |
| Y-140                | 3/4" Sq.           | 16               | 3.300  | 160 - 270  | 13,1              | 18,4                 | 3,20      | PT 1/4"      | 13               | 226             | 36   | 3,3                        | 82                |

<sup>1)</sup> The Y-40SA is a straight model, all other types are pistol models.

**\* Torque specifications**

All specified torques are measured on the YOKOTA testers, series YET, at a dynamic airpressure of 0.63MPa. The YOKOTA testers have a static transducer, the specified torques are therefore to be used as a guidance only. In general the torque range will be lower in case of using lower airpressure, extension bars, torx or hexagon inset sockets, soft joints, etc.

IMPULSE WRENCHES

# YX-SERIES: NON SHUT-OFF

angle models



| Type    | Square / Hex drive | Bolt capacity mm | RPM    | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Inlet thread | Hose diameter mm | Dimensions A mm | B mm | D mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|---------|--------------------|------------------|--------|------------|-------------------|----------------------|-----------|--------------|------------------|-----------------|------|------|----------------------------|-------------------|
| YX-280C | 3/8" Hex           | 4 - 6            | 10.000 | 15 - 24    | 5,0               | 7,8                  | 1,40      | PT 1/4"      | 6,5              | 257             | 16,0 | 50   | 4                          | 83                |
| YX-500C | 3/8" Hex           | 6 - 8            | 7.500  | 30 - 45    | 5,0               | 8,6                  | 1,50      | PT 1/4"      | 6,5              | 266             | 18,0 | 66   | 10                         | 73                |
| YX-700C | 3/8" Hex           | 8 - 10           | 5.000  | 36 - 50    | 5,8               | 10,8                 | 1,80      | PT 1/4"      | 6,5              | 289             | 18,0 | 70   | 8,6                        | 72                |

**\* Torque specifications**

All specified torques are measured on the YOKOTA testers, series YET, at a dynamic airpressure of 0.63MPa. The YOKOTA testers have a static transducer, the specified torques are therefore to be used as a guidance only. In general the torque range will be lower in case of using lower airpressure, extension bars, torx or hexagon inset sockets, soft joints, etc.

# YX-SERIES: NON SHUT-OFF

pistol models



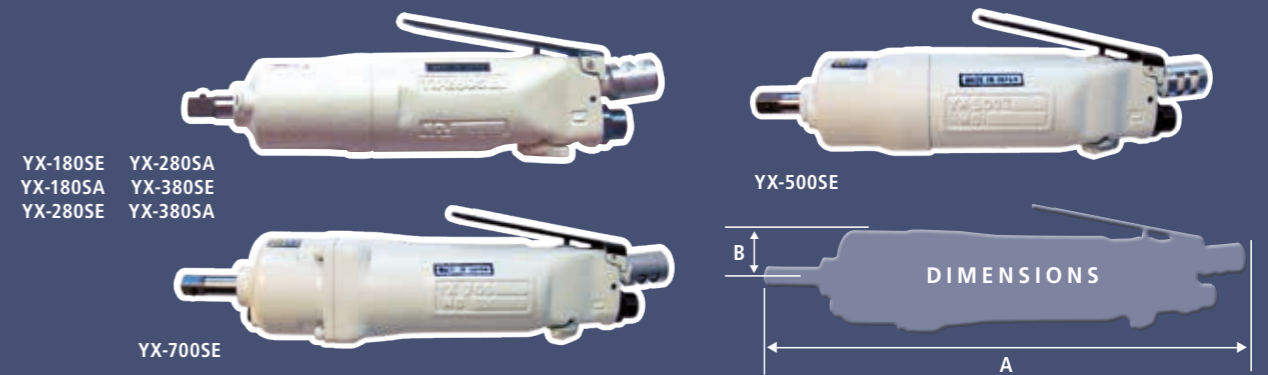
| Type    | Square / Hex drive | Bolt capacity mm | RPM   | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Inlet thread | Hose diameter mm | Dimensions A mm | B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|---------|--------------------|------------------|-------|------------|-------------------|----------------------|-----------|--------------|------------------|-----------------|------|----------------------------|-------------------|
| YX-3000 | 3/4" Sq.           | 16 - 18          | 4.700 | 200 - 304  | 10,0              | 20,5                 | 4,60      | PT 1/4"      | 13               | 246             | 40,0 | 3,9                        | 80                |
| YX-4500 | 3/4" Sq.           | 18 - 20          | 3.400 | 392 - 490  | 11,6              | 24,0                 | 9,80      | PT 3/8"      | 13               | 300             | 65,0 | 3,9                        | 87                |

**\* Torque specifications**

All specified torques are measured on the YOKOTA testers, series YET, at a dynamic airpressure of 0.63MPa. The YOKOTA testers have a static transducer, the specified torques are therefore to be used as a guidance only. In general the torque range will be lower in case of using lower airpressure, extension bars, torx or hexagon inset sockets, soft joints, etc.

# YX-SERIES: NON SHUT-OFF

straight models



| Type     | Square / Hex drive | Bolt capacity mm | RPM    | Torque Nm* | Load aircons. l/s | No-load aircons. l/s | Weight kg | Inlet thread | Hose diameter mm | Dimensions A mm | B mm | Vibration m/s <sup>2</sup> | Noise-level dB(A) |
|----------|--------------------|------------------|--------|------------|-------------------|----------------------|-----------|--------------|------------------|-----------------|------|----------------------------|-------------------|
| YX-180SE | 3/8" Sq.           | 4 - 6            | 10.500 | 19 - 31    | 4,2               | 7,8                  | 0,96      | PT 1/4"      | 6,5              | 220             | 23   | 3,3                        | 73                |
| YX-180SA | 1/4" Hex           | 4 - 6            | 10.500 | 18 - 30    | 4,2               | 7,8                  | 0,96      | PT 1/4"      | 6,5              | 220             | 23   | 3,3                        | 73                |
| YX-280SE | 3/8" Sq.           | 6 - 8            | 10.500 | 25 - 38    | 5,0               | 9,1                  | 1,02      | PT 1/4"      | 6,5              | 232             | 23   | 4                          | 73                |
| YX-280SA | 1/4" Hex           | 6                | 10.500 | 20 - 34    | 5,0               | 9,1                  | 1,02      | PT 1/4"      | 6,5              | 232             | 23   | 4                          | 73                |
| YX-380SE | 3/8" Sq.           | 8                | 10.000 | 32 - 47    | 5,0               | 9,1                  | 1,18      | PT 1/4"      | 6,5              | 232             | 25,5 | 3,3                        | 75                |
| YX-380SA | 1/4" Hex           | 6 - 8            | 10.000 | 29 - 44    | 5,0               | 9,1                  | 1,18      | PT 1/4"      | 6,5              | 232             | 25,5 | 3,3                        | 75                |
| YX-500SE | 3/8" Sq.           | 8 - 10           | 7.500  | 31 - 55    | 5,0               | 11,2                 | 1,25      | PT 1/4"      | 6,5              | 241             | 25,5 | 6,6                        | 74                |
| YX-700SE | 3/8" Sq.           | 8 - 10           | 5.000  | 35 - 62    | 5,8               | 13,5                 | 1,50      | PT 1/4"      | 6,5              | 262             | 26,5 | 6,6                        | 72                |

**\* Torque specifications**

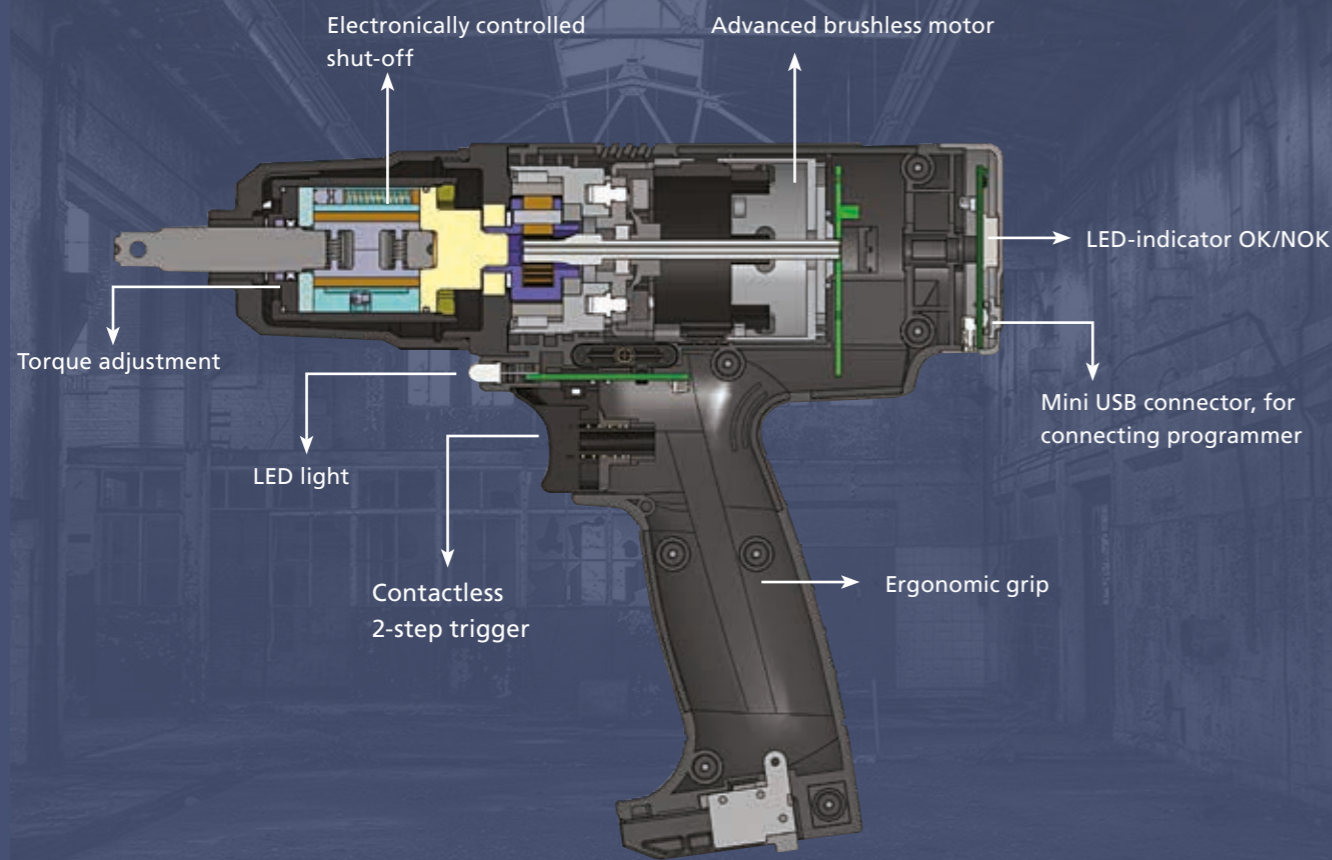
All specified torques are measured on the YOKOTA testers, series YET, at a dynamic airpressure of 0.63MPa. The YOKOTA testers have a static transducer, the specified torques are therefore to be used as a guidance only. In general the torque range will be lower in case of using lower airpressure, extension bars, torx or hexagon inset sockets, soft joints, etc.



# RED ROOSTER

PRODUCTIVITY | FLEXIBILITY | ACCURACY

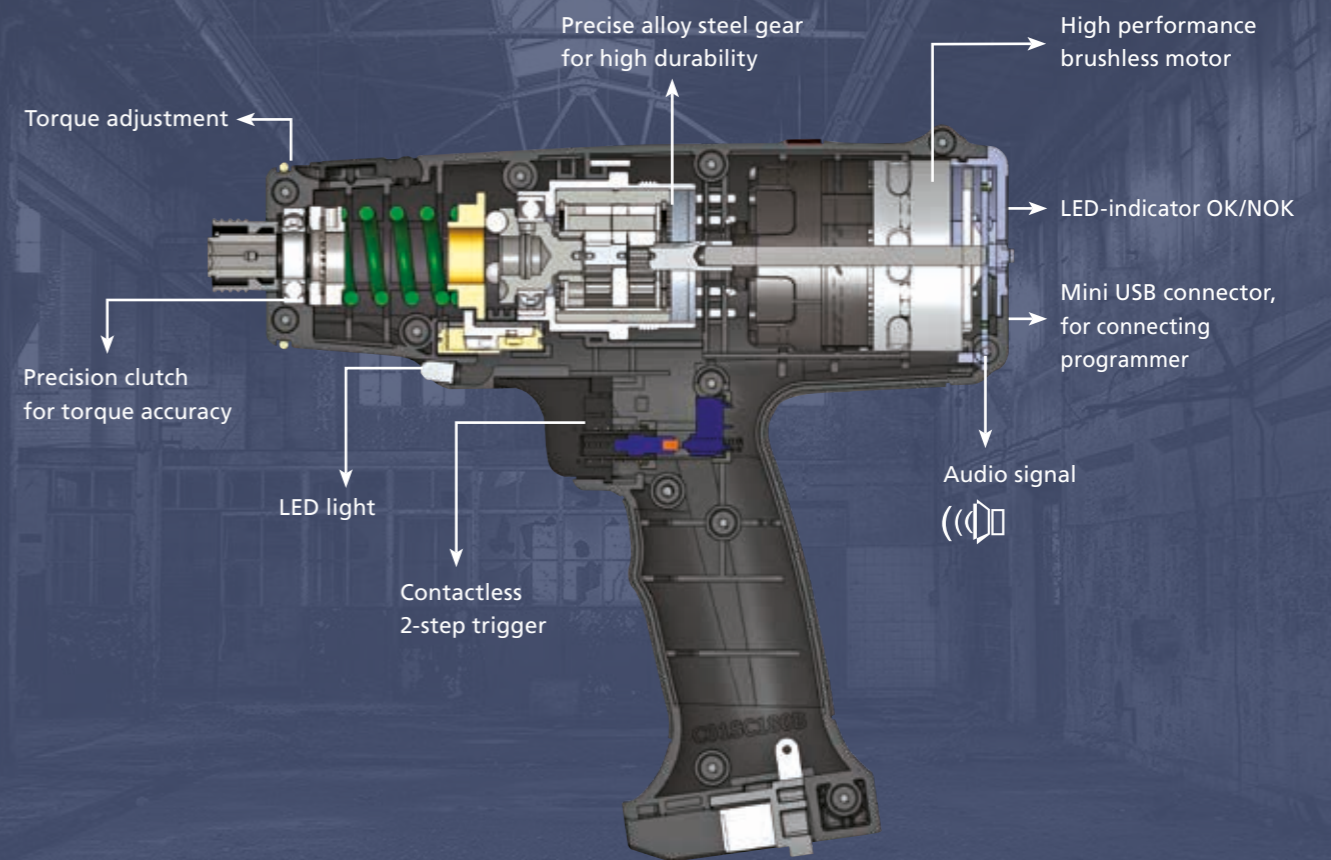
## BATTERY SHUT-OFF IMPULSE WRENCH



# RED ROOSTER

PRODUCTIVITY | FLEXIBILITY | ACCURACY

## CORDLESS SHUT-OFF SCREWDRIVER



### BATTERY IMPULSE WRENCHES

PAGE 30 - 31



### BATTERY IMPACT WRENCHES

PAGE 32 - 33



### BATTERY SCREW-DRIVERS

PAGE 34 - 35



### BATTERY ANGLE WRENCHES

PAGE 36



### PNEUMATIC IMPULSE WRENCHES

PAGE 37 - 43



### PNEUMATIC SCREW-DRIVERS

PAGE 47 - 50



# RRI-BIM SERIE



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

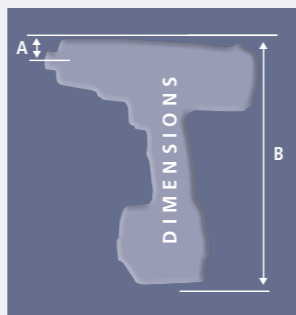
**Characteristics:**

- Brushless motor
- 18 Volt Lithium-Ion battery (choice for 2,0 Ah or 4,0 Ah capacity)
- LED status indicates: Reverse, OK, NOK, Battery low
- Torque adjustable
- Fine-tuning on hardness of the joint, electronically
- Non-contact trigger with 2 steps
- Run-down speed up to 4.500 RPM



Battery, charger, programmer and power cord have to be ordered separately.

| Type        | Square/Hex drive | Torque Nm | RPM   | Weight kg | Dimensions |      |
|-------------|------------------|-----------|-------|-----------|------------|------|
|             |                  |           |       |           | A mm       | B mm |
| RRI-BIM15AT | 1/4" Hex         | 7-15      | 4.500 | 1,16      | 29         | 227  |
| RRI-BIM15T  | 3/8" Square      | 8-15      | 4.500 | 1,16      | 29         | 234  |
| RRI-BIM25AT | 1/4" hex         | 14-23     | 4.500 | 1,18      | 29         | 237  |
| RRI-BIM25T  | 3/8" Square      | 15-25     | 4.500 | 1,18      | 29         | 234  |
| RRI-BIM35T  | 3/8" Square      | 22-35     | 3.500 | 1,36      | 29         | 234  |
| RRI-BIM45T  | 3/8" Square      | 32-45     | 3.500 | 1,42      | 29         | 244  |



**ACCESSORIES**



**Rubber protection cover**

|                 |                    |
|-----------------|--------------------|
| RRI-BIM15T (AT) | order no. C16PW-25 |
| RRI-BIM25T (AT) | order no. C16PW-25 |
| RRI-BIM35T      | order no. C16PW-25 |
| RRI-BIM45T      | order no. C16PW-25 |

**Aluminium cover**

|               |                   |
|---------------|-------------------|
| RRI-BIM serie | order no. B10PW15 |
|---------------|-------------------|

**Service Kits:**

|                 |                    |
|-----------------|--------------------|
| RRI-BIM15T (AT) | order no. 140RK    |
| RRI-BIM25T (AT) | order no. 170RK    |
| RRI-BIM35T      | order no. 170RK    |
| RRI-BIM45T      | order no. 180RK-YO |

**CHARACTERISTICS**

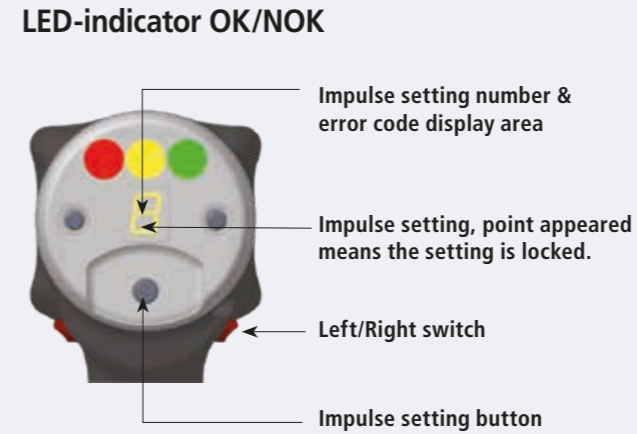


For battery, charger, programmer and power cord, see page 35.

# RRI-BIM SERIE



**LED-INDICATOR OK/NOK**



**Blocking adjustment of the shut-off:**

- Remove battery
- Mount battery and simultaneously push trigger and L/R Switch until sound signal (5 seconds), then release trigger and L/R Switch.

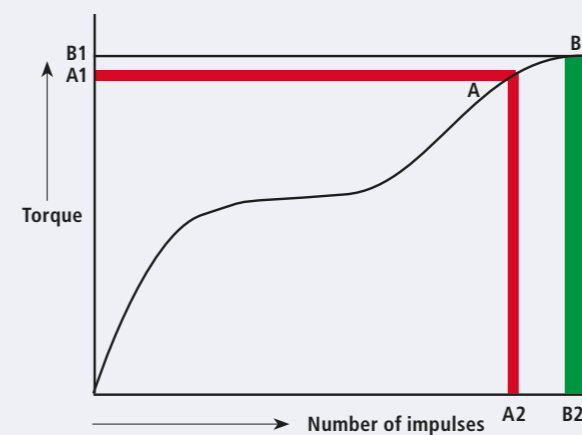
**Blocking Un-tightening**

- Remove battery
- Mount battery and simultaneously push L/R Switch until sound signal (5 seconds)

Deblocking = same

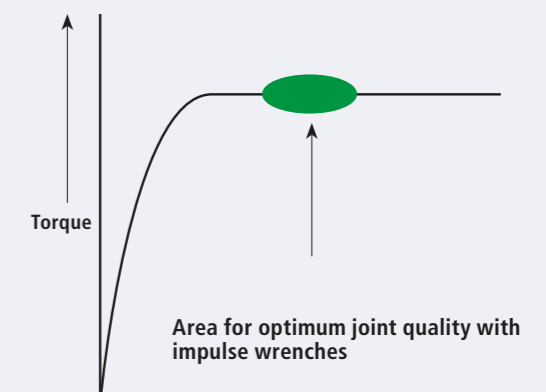
Deblocking = same

**Mechanical shut-off or electronic controlled shut-off impulse wrenches**



**A** = shut-off area of mechanical shut-off impulse wrenches  
**B** = shut-off area of electronic controlled shut-off impulse wrenches. Optimum tension with lower relaxation.

**Joint Quality**



**For hard joints:** numerical setting: (2-3-4)  
**For middle soft joints:** numerical setting: (4-5-6)  
**For soft joints:** numerical setting: (6-7-8-9)



# RRI-BI SERIE



# RRI-BI SERIE



RED ROOSTER Cordless Impact Wrench with electronically adjustable shut-off. Very well suited for assembly applications with a need of good torque accuracy. Especially in areas where cables and hoses impede handling flexibility.

**Characteristics:**

- Brushless motor
- 20 Volt Lithium-Ion battery
- Dynapact impact mechanism
- Led status indicates OK - NOK - REVERSE - BATTERY LOW
- Adjustable torque (50 steps)
- Two step trigger
- Speed 2400 RPM
- Compact and light weight



Battery & charger have to be ordered separately.

| Type       | Battery voltage | Battery type | Square drive | Bolt capacity mm | RPM   | Torque Nm | Weight kg | Vibration m/s <sup>2</sup> | Noise level dB(A) |
|------------|-----------------|--------------|--------------|------------------|-------|-----------|-----------|----------------------------|-------------------|
| RRI-BI32T  | 20 V            | Li-ion 2 AH  | 3/8" Square  | 6                | 2.400 | 6-32      | 1,0       | 6,8                        | 93,6              |
| RRI-BI55T  | 20 V            | Li-ion 2 AH  | 3/8" Square  | 8                | 2.400 | 15-55     | 1,1       | 13,4                       | 94,7              |
| RRI-BI100T | 20 V            | Li-ion 2 AH  | 1/2" Square  | 8-10             | 2.400 | 25-100    | 1,1       | 14,4                       | 93,3              |
| RRI-BI120T | 20 V            | Li-ion 2 AH  | 1/2" Square  | 8-12             | 2.400 | 30-120    | 1,3       | 14,4                       | 90,4              |

**CHARACTERISTICS**

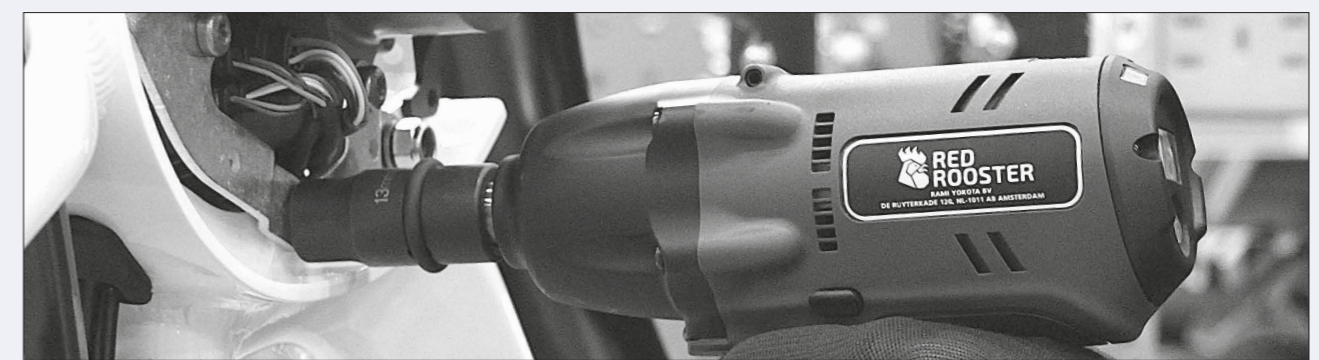
- Advanced and stable shut off system
- Brushless motor
- LED lamp
- LED-indication OK/NOK
- Non-contact trigger with 2 steps
- Mini USB, connector (for connecting programmer)
- LI-ION battery
- Ergonomic handle design

**DIMENSIONS**

| Type       | A mm | B mm |
|------------|------|------|
| RRI-BI32T  | 193  | 29   |
| RRI-BI55T  | 193  | 29   |
| RRI-BI100T | 198  | 29   |
| RRI-BI120T | 198  | 29   |

**ACCESSORIES**

| Type                          | Ordernumber   |
|-------------------------------|---------------|
| Charger                       | 31084-200E    |
| Li-Ion battery 20V 2.0Ah      | BB200E-320    |
| Protection cover RRI-BI serie | 33116-IWCP-01 |





# RRI-BS SERIE



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

**Characteristics:**

- The ergonomic handle design makes work easier and effort-saving that promotes the work efficiency.
- Torque accuracy: meet ISO 5393 Cmk>2 at ±10% tolerance.
- Precision clutch with low reaction forces.
- Trigger repeat protection avoids "double hits".
- Brushless motor: ensures low maintenance.
- Highly durable gear: ensures low maintenance.
- Precision shut-off clutch: ensures quality in tightening.
- Ergonomic rubber grip: ensures operator performance.
- Delivery includes hanger bracket.

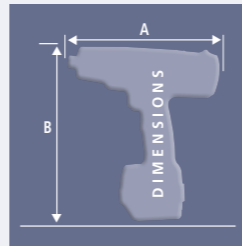


Chois of four rings with different colours to distinguish the torque: Colour coding of your tools made easy working!



Battery, charger, programmer and power cord have to be ordered separately, see page 35.

| Type     | Volt V | Drive size | Screw size mm | Torque range Nm | RPM         | Weight (w/o battery) kg | Dimensions A mm | Dimensions B mm |
|----------|--------|------------|---------------|-----------------|-------------|-------------------------|-----------------|-----------------|
| RRI-BS3  | 18 V   | 1/4" Hex   | M3 - M4       | 0,8 - 3         | 500 - 1.550 | 0,95                    | 203             | 238             |
| RRI-BS6  | 18 V   | 1/4" Hex   | M3 - M5       | 1 - 6           | 300 - 900   | 0,95                    | 203             | 238             |
| RRI-BS9  | 18 V   | 1/4" Hex   | M3 - M5       | 1,5 - 9         | 300 - 700   | 0,95                    | 203             | 238             |
| RRI-BS12 | 18 V   | 1/4" Hex   | M4 - M6       | 2 - 12          | 250 - 550   | 0,95                    | 203             | 238             |



**PROGRAMMER**

**Features:**

- One programmer fits all RRI-BS series tools
- Easy to set the tool speed:
  - high speed for metallic assemblies
  - medium speed for plastic assemblies
  - low speed for special assemblies
- Total used time memory function
- Total count memory function
- Operation count memory function
- Tool identification number

(All memory functions stored on printed circuit board in the tool)



Mini USB

Programmer

**BACK PANEL LED-INDICATIONS**

- A green light tells the operator that the preset torque is reached and the tightening is OK.
- A red light and one long "beep" sound tells the operator that the preset torque is not reached, tightening must be performed again.
- A flashing yellow light and five short "beep" sounds give an early warning when it is time for recharging in the battery.
- A yellow light and one long "beep" sound means the battery is empty and the tool can't operate. A fully charged battery should be placed to continue working.



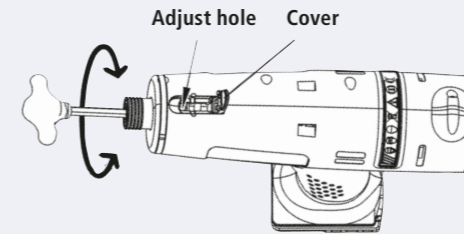
LED-light

# RRI-BS SERIE



**TORQUE ADJUSTMENT**

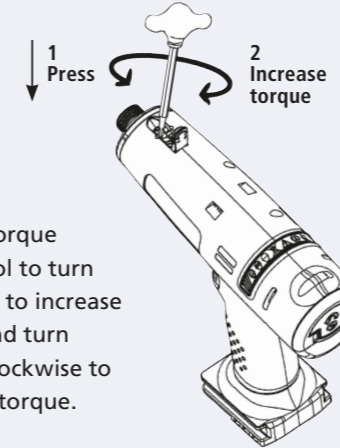
**Torque adjustment**



1. Lift the torque adjustment over. Take the torque adjust tool and insert it to the quick change holder and turn until the adjust hole shows up.

**Note:**

To avoid danger during the adjustment process, the battery pack must be removed before adjusting the torque.



2. Use the torque adjust tool to turn clockwise to increase torque and turn counterclockwise to decrease torque.

**APPLICATIONS**

**Applications**

- Assembly applications where torque accuracy is required.
- Areas where pneumatic or electric tools are impractical to use due to hoses/cables.
- Especially used on car interior assembly.
- Attaching components to the dashboard.
- Hose clips on turbo chargers and air intakes, heating and climate systems and coolant circuits.
- Assembly of components in switch cabinets.

**ACCESSORIES**



**Torque adjustment key**

Ordernumber 00-4507\*

\* Supplied as standard



**Rubber protection cover**

Ordernumber C16SC180B

**LI-ION BATTERY, CHARGER, PROGRAMMER, POWER CORD & RUBBER PROTECTION COVER FOR BATTERY**



| Type   | Cycles per battery charge, hard joint (depending on RPM and torque) | Ordernumber |
|--|---|-------------|
| Charger (40 Min.)                                    | -   | B84192B     |
| Li-Ion battery 18V 2 Ah                              | 2 Ah: 300 - 350 cycles  | BB180C-320  |
| Li-Ion battery 18V 4 Ah                              | 4 Ah: 700 - 750 cycles  | BB180C-340  |
| Rubber protection cover for battery battery 18V 2 Ah | -   | C16180C-20  |
| Rubber protection cover for battery battery 18V 4 Ah | -   | C16180C-40  |
| Programmer   | -   | B745C180B   |
| Power cord European styl                             | -   | E86B-VD     |
| Power cord English style                             | -   | E86B-UK     |



# RRI-BA SERIE

with automatic shut-off



These RED ROOSTER cordless angle wrench with automatic shut-off are very well suited for assembly applications with a need of good torque accuracy. Especially for applications in areas where cables and hoses impede handling flexibility, such as interiors of cars, coaches and trains.



**Characteristics:**

- Brushless motor
- 18 Volt Lithium-Ion battery
- Led status indicates OK - NOK - REVERSE - BATTERY LOW
- Adjustable torque
- Speed 170 to 1000 RPM
- Compact and light weight
- Torque up to 70 Nm
- Color ring for torque setting indication



**Custom made products**

See page 44 & 45 for cordless angle wrenches tailored to your specific needs.



Battery, charger, programmer and power cord have to be ordered separately, see page 35.

| Type       | Battery voltage | Battery type       | Square drive | Bolt capacity mm | RPM       | Torque Nm | Weight kg | Vibration m/s <sup>2</sup> | Noise level dB(A) |
|------------|-----------------|--------------------|--------------|------------------|-----------|-----------|-----------|----------------------------|-------------------|
| RRI-BA10S3 | 18 V            | Li-ion 2 AH / 4 AH | 3/8"         | 4-5              | 400-1.000 | 3-12      | 1,50      | <2,5                       | <75               |
| RRI-BA16S3 | 18 V            | Li-ion 2 AH / 4 AH | 3/8"         | 5-6              | 300-600   | 5-18      | 1,50      | <2,5                       | <75               |
| RRI-BA30S3 | 18 V            | Li-ion 2 AH / 4 AH | 3/8"         | 6-8              | 250-450   | 8-30      | 1,50      | <2,5                       | <75               |
| RRI-BA35S3 | 18 V            | Li-ion 2 AH / 4 AH | 3/8"         | 6-8              | 200-350   | 10-35     | 1,75      | <2,5                       | <75               |
| RRI-BA50S3 | 18 V            | Li-ion 2 AH / 4 AH | 3/8"         | 6-10             | 200       | 10-50     | 2,00      | <2,5                       | <75               |
| RRI-BA70S3 | 18 V            | Li-ion 2 AH / 4 AH | 3/8"         | 8-12             | 170       | 20-70     | 2,50      | <2,5                       | <75               |

**DIMENSIONS**

| Type       | A mm | B mm |
|------------|------|------|
| RRI-BA10S3 | 480  | 87   |
| RRI-BA16S3 | 480  | 87   |
| RRI-BA30S3 | 480  | 87   |
| RRI-BA35S3 | 480  | 87   |
| RRI-BA50S3 | 560  | 87   |
| RRI-BA70S3 | 560  | 87   |

**ACCESSORIES**

| Rubber protection cover for type                     | Ordernumber |
|--|-------------|
| RRI-BA10S3<br>RRI-BA16S3<br>RRI-BA30S3<br>RRI-BA35S3 | C16WR       |
| RRI-BA50S3   | C16WRB50    |
| RRI-BA70S3   | C16WRB70    |

# IMPULSE WRENCHES

MAIN FEATURES

**X-Shape Sealing** improves durability.

**Twin drive roller blades** reduce noise, vibration and improve impulse efficiency.

**1 Piece design** front end plate and cylinder improves motor efficiency.

**Low noise exhaust**, 360° adjustable.

**Easy Torque Adjustment**  
The required torque can be easily adjusted by turning the adjust screw.

**Double chamber air motor**  
9 Vanes motor design for smallest dimensions with highest power and acceleration results in a short time to reach the set torque and highest productivity.

**Adjustable range of Oil-Pulse Wrench**

**Reduce torque** / **Increase torque**

**One hand reverse operation** for Right or Left handed operators.

**Speed RPM** vs **Torque** graph comparing Conventional Motor and Double-Chamber Motor.



# SHUT-OFF PISTOL MODELS



## 1/4" Hex drive

| Type     | Square / Hex drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|----------|--------------------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-30AT | 1/4" Hex           | 6                | 4.600 | 6 - 12,5        | 3,7                   | 0,89      | PT 1/4"      | 6,5              | 78                |
| RRI-40AT | 1/4" Hex           | 6-8              | 4.600 | 10 - 18         | 3,7                   | 0,92      | PT 1/4"      | 6,5              | 78                |
| RRI-50AT | 1/4" Hex           | 8                | 7.200 | 16 - 26         | 5,3                   | 0,92      | PT 1/4"      | 6,5              | 80                |
| RRI-60AT | 1/4" Hex           | 8                | 6.200 | 20 - 30         | 6,2                   | 1,0       | PT 1/4"      | 8                | 82                |
| RRI-70AT | 1/4" Hex           | 10               | 7.200 | 32 - 47         | 7                     | 1,35      | PT 1/4"      | 8                | 82                |

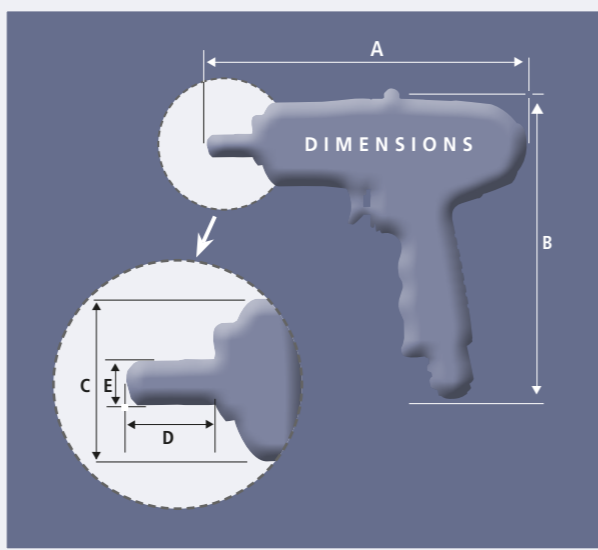


## 3/8" - 1/2" - 3/4" Square drive

| Type     | Square / Hex drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|----------|--------------------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-30T  | 3/8" Square        | 6                | 4.600 | 7 - 12,5        | 3,7                   | 0,89      | PT 1/4"      | 6,5              | 78                |
| RRI-40T  | 3/8" Square        | 6-8              | 4.600 | 11 - 19         | 3,7                   | 0,92      | PT 1/4"      | 6,5              | 78                |
| RRI-50T  | 3/8" Square        | 8                | 7.200 | 16 - 27         | 5,3                   | 0,92      | PT 1/4"      | 6,5              | 80                |
| RRI-60T  | 3/8" Square        | 8-10             | 6.200 | 22 - 35         | 6,2                   | 1         | PT 1/4"      | 8                | 82                |
| RRI-70T  | 3/8" Square        | 10               | 7.200 | 37 - 57         | 7                     | 1,35      | PT 1/4"      | 8                | 82                |
| RRI-80T  | 3/8" Square        | 10-12            | 5.100 | 40 - 68         | 9,3                   | 1,21      | PT 1/4"      | 8                | 82                |
| RRI-90T  | 1/2" Square        | 12               | 5.400 | 64 - 90         | 8,3                   | 1,55      | PT 1/4"      | 8                | 83                |
| RRI-100T | 1/2" Square        | 12-14            | 5.300 | 85 - 120        | 8,7                   | 1,87      | PT 1/4"      | 8                | 84                |
| RRI-130T | 1/2" Square        | 14-16            | 3.600 | 123 - 148       | 11,6                  | 2,26      | PT 1/4"      | 11               | 86                |
| RRI-150T | 3/4" Square        | 16               | 3.700 | 165 - 210       | 11,6                  | 3,10      | PT 1/4"      | 11               | 86                |
| RRI-180T | 3/4" Square        | 16-18            | 2.700 | 180 - 255       | 12,2                  | 3,8       | PT 1/4"      | 11               | 86                |
| RRI-200T | 3/4" Square        | 18-20            | 3.000 | 230 - 450       | 26                    | 4,25      | PT 1/4"      | 13               | 88                |

DIMENSIONS

| Type     | A mm | B mm | C mm  | D mm | E mm  |
|----------|------|------|-------|------|-------|
| RRI-30AT | 163  | 168  | Ø46   | 21   | Ø17,5 |
| RRI-40AT | 170  | 168  | Ø46   | 27   | Ø17,5 |
| RRI-50AT | 170  | 168  | Ø46   | 27   | Ø17,5 |
| RRI-60AT | 181  | 168  | Ø46   | 27   | Ø17,5 |
| RRI-70AT | 194  | 172  | Ø53,5 | 28   | Ø17,5 |
| RRI-30T  | 163  | 168  | Ø46   | 24   | Ø12   |
| RRI-40T  | 167  | 168  | Ø46   | 24   | Ø12   |
| RRI-50T  | 167  | 168  | Ø46   | 24   | Ø12   |
| RRI-60T  | 178  | 168  | Ø46   | 24   | Ø12   |
| RRI-70T  | 194  | 172  | Ø53,5 | 25   | Ø12   |
| RRI-80T  | 194  | 170  | Ø53,5 | 25   | Ø12   |
| RRI-90T  | 200  | 192  | Ø53,5 | 31   | Ø16   |
| RRI-100T | 209  | 195  | Ø59   | 32   | Ø16   |
| RRI-130T | 216  | 204  | Ø64   | 31   | Ø16   |
| RRI-150T | 239  | 215  | Ø72   | 40   | Ø25   |
| RRI-180T | 263  | 232  | Ø78   | 41   | Ø25   |
| RRI-200T | 250  | 239  | Ø80   | 41   | Ø25   |



# SHUT-OFF STRAIGHT MODELS



## 1/4" Hex drive

| Type      | Hex drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|-----------|-----------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-30STA | 1/4"      | 6                | 4.200 | 6 - 11,5        | 3,7                   | 0,77      | PT 1/4"      | 6,5              | 78                |
| RRI-40STA | 1/4"      | 6-8              | 4.200 | 10 - 17         | 3,7                   | 0,8       | PT 1/4"      | 6,5              | 78                |
| RRI-50STA | 1/4"      | 8                | 6.800 | 15 - 25         | 5,3                   | 0,8       | PT 1/4"      | 6,5              | 80                |
| RRI-60STA | 1/4"      | 8                | 6.000 | 20 - 30         | 6,2                   | 0,86      | PT 1/4"      | 8                | 80                |
| RRI-70STA | 1/4"      | 8-10             | 5.000 | 28 - 40         | 6,2                   | 0,97      | PT 1/4"      | 8                | 80                |

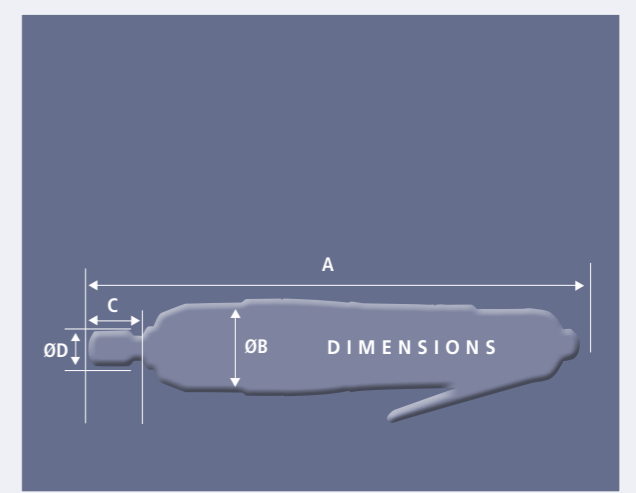


## 3/8" Square drive

| Type     | Square drive | Bolt capacity mm | RPM   | Torque Range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|----------|--------------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-30ST | 3/8"         | 6                | 4.200 | 7 - 12,5        | 3,7                   | 0,8       | PT 1/4"      | 6,5              | 78                |
| RRI-40ST | 3/8"         | 6-8              | 4.200 | 11 - 19         | 3,7                   | 0,8       | PT 1/4"      | 6,5              | 78                |
| RRI-50ST | 3/8"         | 8                | 6.800 | 16 - 27         | 5,3                   | 0,8       | PT 1/4"      | 6,5              | 80                |
| RRI-60ST | 3/8"         | 8-10             | 6.000 | 22 - 35         | 6,2                   | 0,86      | PT 1/4"      | 8                | 80                |
| RRI-70ST | 3/8"         | 10               | 5.000 | 31 - 47         | 6,2                   | 0,97      | PT 1/4"      | 8                | 80                |
| RRI-80ST | 3/8"         | 10-12            | 6.100 | 40 - 68         | 9,3                   | 1,15      | PT 1/4"      | 8                | 82                |

DIMENSIONS

| Type      | A mm | B mm  | C mm | D mm  |
|-----------|------|-------|------|-------|
| RRI-30STA | 219  | Ø46   | 21   | Ø17,5 |
| RRI-40STA | 224  | Ø46   | 27   | Ø17,5 |
| RRI-50STA | 224  | Ø46   | 27   | Ø17,5 |
| RRI-60STA | 225  | Ø46   | 27   | Ø17,5 |
| RRI-70STA | 244  | Ø48   | 27   | Ø17,5 |
| RRI-30ST  | 219  | Ø46   | 24   | Ø12   |
| RRI-40ST  | 221  | Ø46   | 24   | Ø12   |
| RRI-50ST  | 221  | Ø46   | 24   | Ø12   |
| RRI-60ST  | 231  | Ø46   | 24   | Ø12   |
| RRI-70ST  | 244  | Ø48   | 25   | Ø12   |
| RRI-80ST  | 244  | Ø53,5 | 25   | Ø12   |





# SHUT-OFF ANGLE MODELS



## 1/4" Hex drive

| Type      | Hex drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|-----------|-----------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-50RTA | 1/4"      | 6-8              | 4.300 | 9,5 - 16        | 4,8                   | 1,2       | PT 1/4"      | 6,5              | 80                |
| RRI-60RTA | 1/4"      | 8                | 4.700 | 15 - 22         | 6,2                   | 1,3       | PT 1/4"      | 8                | 80                |
| RRI-70RTA | 1/4"      | 8                | 4.500 | 20 - 29         | 6,2                   | 1,4       | PT 1/4"      | 8                | 80                |

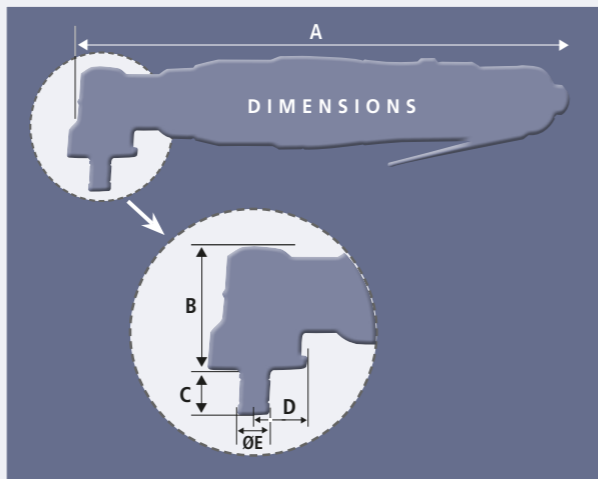


## 3/8" - 1/2" Square drive

| Type      | Square drive | Bolt capacity mm | RPM   | Torque Range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|-----------|--------------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-50RT  | 3/8"         | 6-8              | 4.300 | 10,5 - 17       | 4,8                   | 1,2       | PT 1/4"      | 6,5              | 80                |
| RRI-60RT  | 3/8"         | 8                | 4.700 | 16 - 24         | 6,2                   | 1,3       | PT 1/4"      | 8                | 80                |
| RRI-70RT  | 3/8"         | 8-10             | 4.500 | 22 - 31         | 6,2                   | 1,4       | PT 1/4"      | 8                | 80                |
| RRI-70RGT | 3/8"         | 10               | 2.000 | 32 - 45         | 6,2                   | 1,6       | PT 1/4"      | 8                | 82                |
| RRI-70RHT | 3/8"         | 10-12            | 2.200 | 46 - 60         | 6,2                   | 1,6       | PT 1/4"      | 8                | 82                |
| RRI-80RHT | 3/8"         | 10-12            | 2.800 | 50 - 70         | 9,3                   | 1,7       | PT 1/4"      | 8                | 82                |

DIMENSIONS

| Type      | A mm | B mm | C mm | D mm | E mm |
|-----------|------|------|------|------|------|
| RRI-50RTA | 253  | 45   | 16   | 16   | Ø11  |
| RRI-60RTA | 264  | 45   | 16   | 16   | Ø11  |
| RRI-70RTA | 272  | 45   | 16   | 16   | Ø11  |
| RRI-50RT  | 253  | 45   | 14   | 16   | Ø12  |
| RRI-60RT  | 264  | 45   | 14   | 16   | Ø12  |
| RRI-70RT  | 272  | 45   | 14   | 16   | Ø12  |
| RRI-70RGT | 281  | 47   | 14   | 21   | Ø16  |
| RRI-70RHT | 281  | 47   | 21   | 21   | Ø16  |
| RRI-80RHT | 281  | 47   | 21   | 21   | Ø16  |



# NON SHUT-OFF PISTOL MODELS



## 1/4" Hex drive

| Type     | Hex drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|----------|-----------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-30A  | 1/4"      | 6                | 4.600 | 6 - 12,5        | 3,7                   | 0,87      | PT 1/4"      | 6,5              | 78                |
| RRI-40AX | 1/4"      | 6-8              | 4.600 | 10 - 18         | 3,7                   | 0,74      | PT 1/4"      | 6,5              | 78                |
| RRI-50AX | 1/4"      | 8                | 7.200 | 16 - 26         | 5,3                   | 0,9       | PT 1/4"      | 6,5              | 80                |
| RRI-60AX | 1/4"      | 8                | 6.200 | 20 - 30         | 6,2                   | 0,81      | PT 1/4"      | 8                | 82                |
| RRI-70A  | 1/4"      | 10               | 7.200 | 32 - 47         | 7                     | 1,33      | PT 1/4"      | 8                | 82                |

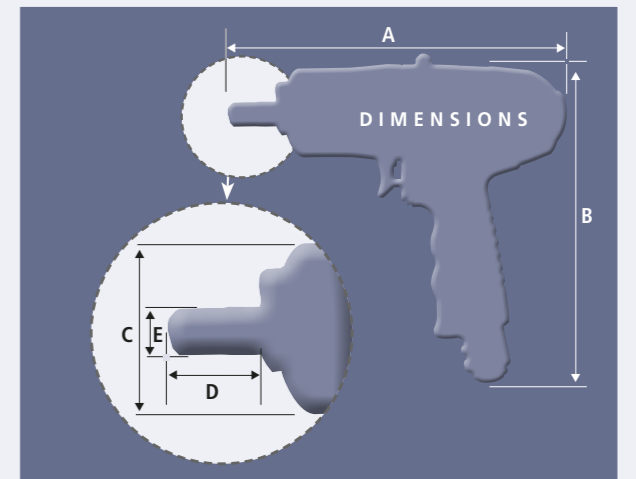


## 3/8" - 1/2" - 3/4" Square drive

| Type    | Square drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|---------|--------------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-30  | 3/8"         | 6                | 4.600 | 7 - 12,5        | 3,7                   | 0,87      | PT 1/4"      | 6,5              | 78                |
| RRI-40X | 3/8"         | 6-8              | 4.600 | 11 - 19         | 3,7                   | 0,74      | PT 1/4"      | 6,5              | 78                |
| RRI-50X | 3/8"         | 8                | 7.200 | 16 - 27         | 5,3                   | 0,74      | PT 1/4"      | 6,5              | 80                |
| RRI-60X | 3/8"         | 8-10             | 6.200 | 22 - 35         | 6,2                   | 0,81      | PT 1/4"      | 8                | 82                |
| RRI-70  | 3/8"         | 10               | 7.200 | 37 - 57         | 7                     | 1,33      | PT 1/4"      | 8                | 82                |
| RRI-80  | 3/8"         | 10-12            | 5.100 | 40 - 70         | 9,3                   | 1,19      | PT 1/4"      | 8                | 82                |
| RRI-90  | 1/2"         | 12               | 5.400 | 64 - 90         | 8,3                   | 1,53      | PT 1/4"      | 8                | 83                |
| RRI-100 | 1/2"         | 12-14            | 5.300 | 85 - 120        | 8,7                   | 1,85      | PT 1/4"      | 8                | 84                |
| RRI-130 | 1/2"         | 14-16            | 3.600 | 123 - 148       | 11,6                  | 2,22      | PT 1/4"      | 11               | 86                |
| RRI-150 | 3/4"         | 16               | 3.700 | 165 - 210       | 11,6                  | 3,05      | PT 1/4"      | 11               | 86                |
| RRI-180 | 3/4"         | 16-18            | 2.700 | 180 - 255       | 12,2                  | 3,8       | PT 1/4"      | 11               | 86                |
| RRI-200 | 3/4"         | 18-20            | 3.000 | 230 - 390       | 26                    | 4,25      | PT 1/4"      | 13               | 88                |

DIMENSIONS

| Type         | A mm | B mm | C mm  | D mm | E mm |
|--------------|------|------|-------|------|------|
| RRI-30/30A   | 167  | 168  | Ø46   | 24   | Ø12  |
| RRI-40X/40AX | 147  | 168  | Ø46   | 24   | Ø12  |
| RRI-50X/50A  | 147  | 168  | Ø46   | 24   | Ø12  |
| RRI-60X/60AX | 158  | 168  | Ø46   | 24   | Ø12  |
| RRI-70/70A   | 194  | 192  | Ø53,5 | 25   | Ø12  |
| RRI-80       | 194  | 170  | Ø53,5 | 25   | Ø12  |
| RRI-90       | 200  | 192  | Ø53,5 | 31   | Ø16  |
| RRI-100      | 209  | 195  | Ø59   | 32   | Ø16  |
| RRI-130      | 216  | 204  | Ø64   | 31   | Ø16  |
| RRI-150      | 239  | 215  | Ø72   | 40   | Ø25  |
| RRI-180      | 263  | 232  | Ø78   | 41   | Ø25  |
| RRI-200      | 250  | 239  | Ø80   | 41   | Ø25  |



# NON SHUT-OFF STRAIGHT MODELS



## 1/4" Hex drive

| Type     | Hex drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|----------|-----------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-30SA | 1/4"      | 6                | 4.200 | 6 - 11,5        | 3,7                   | 0,77      | PT 1/4"      | 6,5              | 78                |
| RRI-40SA | 1/4"      | 6-8              | 4.200 | 10 - 17         | 3,7                   | 0,8       | PT 1/4"      | 6,5              | 78                |
| RRI-50SA | 1/4"      | 8                | 6.800 | 15 - 25         | 5,3                   | 0,8       | PT 1/4"      | 6,5              | 80                |
| RRI-60SA | 1/4"      | 8                | 6.000 | 20 - 30         | 6,2                   | 0,86      | PT 1/4"      | 8                | 80                |
| RRI-70SA | 1/4"      | 8-10             | 5.000 | 28 - 40         | 6,2                   | 0,97      | PT 1/4"      | 8                | 80                |



## 1/4" Square drive

| Type    | Square drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|---------|--------------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-30S | 3/8"         | 6                | 4.200 | 7 - 12,5        | 3,7                   | 0,8       | PT 1/4"      | 6,5              | 78                |
| RRI-40S | 3/8"         | 6-8              | 4.200 | 11 - 19         | 3,7                   | 0,8       | PT 1/4"      | 6,5              | 78                |
| RRI-50S | 3/8"         | 8                | 6.800 | 16 - 27         | 5,3                   | 0,8       | PT 1/4"      | 6,5              | 80                |
| RRI-60S | 3/8"         | 8-10             | 6.000 | 22 - 35         | 6,2                   | 0,86      | PT 1/4"      | 8                | 80                |
| RRI-70S | 3/8"         | 10               | 5.000 | 31 - 47         | 6,2                   | 0,97      | PT 1/4"      | 8                | 80                |

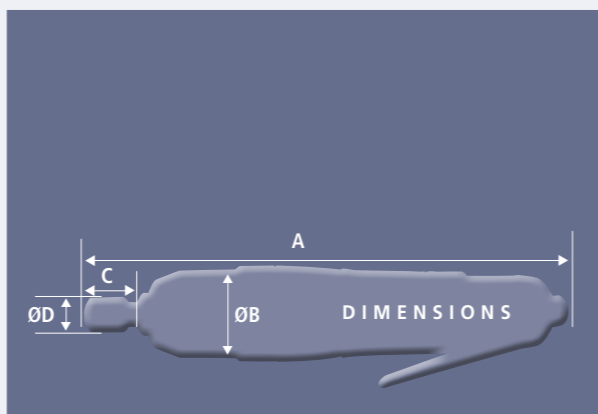
### Custom made products

See page 46 for Impulse wrenches tailored to your specific needs.



DIMENSIONS

| Type     | A mm | B mm | C mm | D mm  |
|----------|------|------|------|-------|
| RRI-30SA | 219  | Ø46  | 21   | Ø17,5 |
| RRI-40SA | 224  | Ø46  | 27   | Ø17,5 |
| RRI-50SA | 224  | Ø46  | 27   | Ø17,5 |
| RRI-60SA | 235  | Ø46  | 27   | Ø17,5 |
| RRI-70SA | 244  | Ø48  | 27   | Ø17,5 |
| RRI-30S  | 219  | Ø46  | 24   | Ø12   |
| RRI-40S  | 221  | Ø46  | 24   | Ø12   |
| RRI-50S  | 221  | Ø46  | 24   | Ø12   |
| RRI-60S  | 221  | Ø46  | 24   | Ø12   |
| RRI-70S  | 244  | Ø48  | 25   | Ø12   |



# NON SHUT-OFF ANGLE MODELS



## 1/4" Hex drive

| Type     | Hex drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|----------|-----------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-50RA | 1/4"      | 6-8              | 4.300 | 9,5 - 16        | 4,8                   | 1,2       | PT 1/4"      | 6,5              | 80                |
| RRI-60RA | 1/4"      | 8                | 4.700 | 15 - 22         | 6,2                   | 1,3       | PT 1/4"      | 8                | 80                |
| RRI-70RA | 1/4"      | 8                | 4.500 | 20 - 29         | 6,2                   | 1,4       | PT 1/4"      | 8                | 80                |



## 1/2" - 3/8" Square drive

| Type     | Square drive | Bolt capacity mm | RPM   | Torque range Nm | Air consumption l/sec | Weight kg | Inlet-thread | Hose diameter mm | Noise-level dB(A) |
|----------|--------------|------------------|-------|-----------------|-----------------------|-----------|--------------|------------------|-------------------|
| RRI-50R  | 3/8"         | 6-8              | 4.300 | 10,5 - 17       | 4,8                   | 1,2       | PT 1/4"      | 6,5              | 80                |
| RRI-60R  | 3/8"         | 8                | 4.700 | 16 - 24         | 6,2                   | 1,3       | PT 1/4"      | 8                | 80                |
| RRI-70R  | 3/8"         | 8-10             | 4.500 | 22 - 31         | 6,2                   | 1,4       | PT 1/4"      | 8                | 80                |
| RRI-70RG | 3/8"         | 10               | 2.000 | 34 - 50         | 6,2                   | 1,6       | PT 1/4"      | 8                | 82                |
| RRI-70RH | 3/8"         | 8-12             | 2.200 | 46 - 60         | 6,2                   | 1,6       | PT 1/4"      | 8                | 82                |

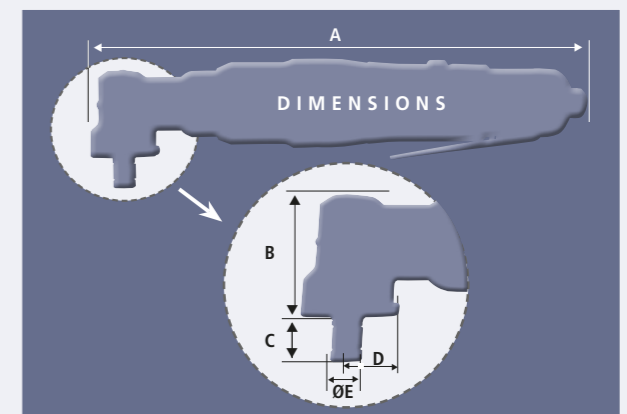
### Custom made products

See page 46 for Impulse wrenches tailored to your specific needs.



DIMENSIONS

| Type     | A mm | B mm | C mm | D mm | E mm |
|----------|------|------|------|------|------|
| RRI-50RA | 253  | 45   | 16   | 16   | Ø11  |
| RRI-60RA | 264  | 45   | 16   | 16   | Ø11  |
| RRI-70RA | 272  | 45   | 16   | 16   | Ø11  |
| RRI-50R  | 253  | 45   | 14   | 16   | Ø12  |
| RRI-60R  | 264  | 45   | 14   | 16   | Ø12  |
| RRI-70R  | 272  | 45   | 14   | 16   | Ø12  |
| RRI-70RG | 281  | 47   | 14   | 21   | Ø16  |
| RRI-70RH | 281  | 47   | 21   | 21   | Ø16  |



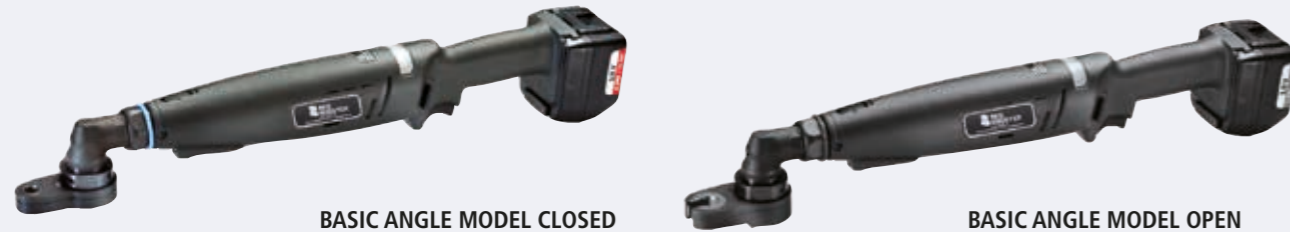


# CUSTOM MADE PRODUCTS

18 V cordless



## Angle Wrench with geared offset heads



BASIC ANGLE MODEL CLOSED

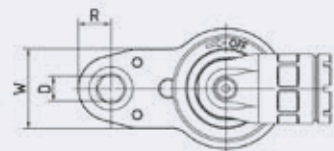
BASIC ANGLE MODEL OPEN

### Basic Angle Model

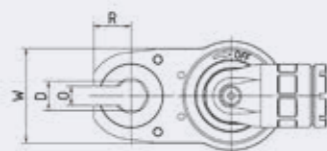
| Type        | Type   | Volt. V | Hex Dimension Max (mm) | Weight kg | Vibration m/s <sup>2</sup> | Noise level dB(A) | RPM | Torque range |
|-------------|--------|---------|------------------------|-----------|----------------------------|-------------------|-----|--------------|
| RRI-BA10BCA | closed | 18      | 12                     | 2         | <2.5                       | <75               | 950 | 3-8          |
| RRI-BA16BCA | closed | 18      | 12                     | 2         | <2.5                       | <75               | 600 | 5-13         |
| RRI-BA30BCA | closed | 18      | 12                     | 2         | <2.5                       | <75               | 450 | 8-18         |
| RRI-BA35BCA | closed | 18      | 12                     | 2         | <2.5                       | <75               | 350 | 10-24        |
| RRI-BA10BOA | open   | 18      | 19                     | 2,1       | <2.5                       | <75               | 950 | 3-7          |
| RRI-BA16BOA | open   | 18      | 19                     | 2,1       | <2.5                       | <75               | 600 | 5-12         |
| RRI-BA30BOA | open   | 18      | 19                     | 2,1       | <2.5                       | <75               | 450 | 8-17         |
| RRI-BA35BOA | open   | 18      | 19                     | 2,1       | <2.5                       | <75               | 350 | 10-23        |

Battery, charger, programmer and power cord have to be ordered separately, see page 35.

### BC (closed)



### BO (open)



Please specify your Hex dimension when ordering  mm

### Dimensions

| Model | W  | D  | O    | R    | L    | H  | H1 |
|-------|----|----|------|------|------|----|----|
| BC    | 32 | 11 | -    | 13,1 | 37,7 | 16 | -  |
| BO    | 40 | 13 | 10,2 | 17   | 40   | 21 | 16 |

## CUSTOM MADE PRODUCTS

Please fill in the below request form for your desired geared offset heads type power tool

| Model                       | Torque range Nm | W | D | O | R | L | L1 | H | H1 |
|-----------------------------|-----------------|---|---|---|---|---|----|---|----|
| <input type="checkbox"/> BC |                 |   |   |   |   |   |    |   |    |
| <input type="checkbox"/> BO |                 |   |   |   |   |   |    |   |    |

# CUSTOM MADE PRODUCTS

18 V cordless



## Angle Wrench with geared offset heads



BASIC IN-LINE MODEL CLOSED

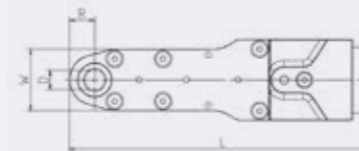
BASIC IN-LINE MODEL OPEN

### Basic In-Line model

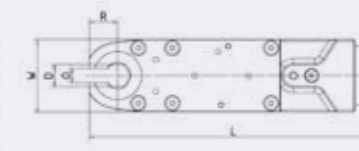
| Type        | Type   | Volt V | Hex Dimension Max (mm) | Torque range Nm | RPM | Weight w/o Batt. kg | Vibration m/s <sup>2</sup> | Noise level dB(A) |
|-------------|--------|--------|------------------------|-----------------|-----|---------------------|----------------------------|-------------------|
| RRI-BA10ICA | closed | 18     | 12                     | 5 ~ 11          | 620 | 2,2                 | <2,5                       | <75               |
| RRI-BA16ICA | closed | 18     | 12                     | 8 ~ 17          | 380 | 2,2                 | <2,5                       | <75               |
| RRI-BA30ICA | closed | 18     | 12                     | 11 ~ 23         | 300 | 2,2                 | <2,5                       | <75               |
| RRI-BA35ICA | closed | 18     | 12                     | 14 ~ 31         | 220 | 2,2                 | <2,5                       | <75               |
| RRI-BA10IOA | open   | 18     | 19                     | 7 ~ 13          | 420 | 2,3                 | <2,5                       | <75               |
| RRI-BA16IOA | open   | 18     | 19                     | 10 ~ 22         | 270 | 2,3                 | <2,5                       | <75               |
| RRI-BA30IOA | open   | 18     | 19                     | 13 ~ 28         | 200 | 2,3                 | <2,5                       | <75               |
| RRI-BA35IOA | open   | 18     | 19                     | 16 ~ 38         | 160 | 2,3                 | <2,5                       | <75               |

Battery, charger, programmer and power cord have to be ordered separately, see page 35.

### IC (closed)



### IO (open)



Please specify your Hex dimension when ordering  mm

### Dimensions

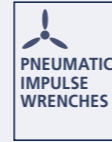
| Model | W  | D  | O    | R    | L     | L1   | H  | H1 |
|-------|----|----|------|------|-------|------|----|----|
| IO    | 40 | 13 | 10,2 | 17   | 166,7 | 98,7 | 20 | 16 |
| IC    | 32 | 10 | -    | 13,1 | 159   | 91   | 16 | -  |

## CUSTOM MADE PRODUCTS

Please fill in the below request form for your desired geared offset heads type power tool

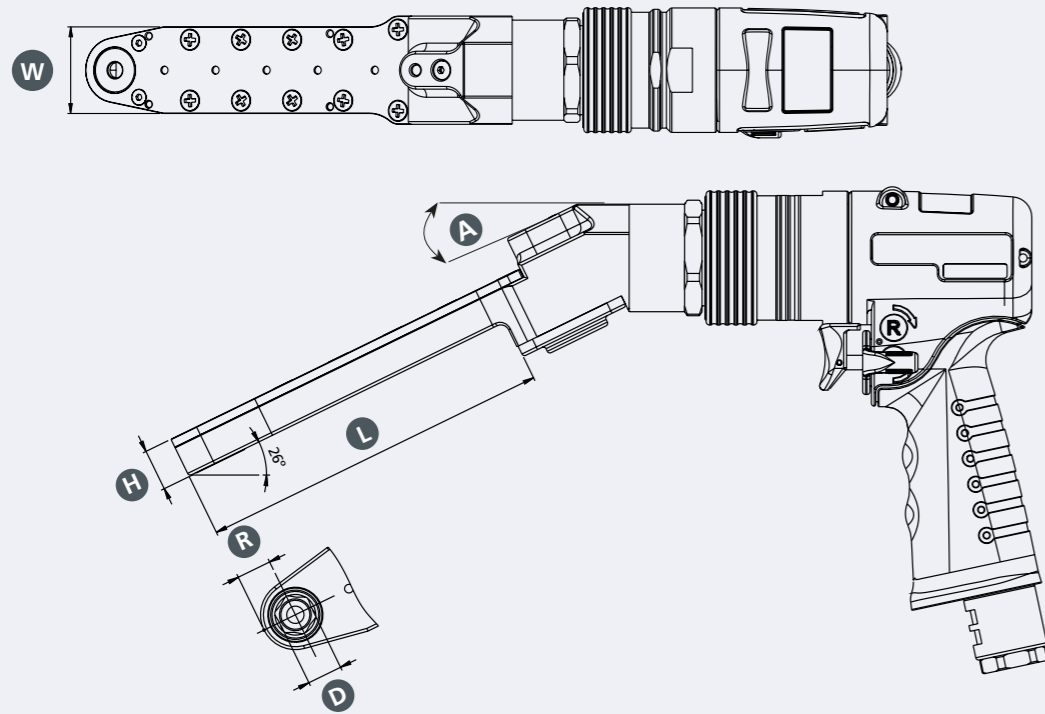
| Model                       | Torque range Nm | W | D | O | R | L | L1 | H | H1 |
|-----------------------------|-----------------|---|---|---|---|---|----|---|----|
| <input type="checkbox"/> IC |                 |   |   |   |   |   |    |   |    |
| <input type="checkbox"/> IO |                 |   |   |   |   |   |    |   |    |

# CUSTOM MADE PRODUCTS



Applications in narrow space applications of geared offset tools with a torque from 6 to 300 Nm

- Installation in places where access is restricted.
- Flat output with **non shut-off** impulse wrench



Please, fill this form and send us your request

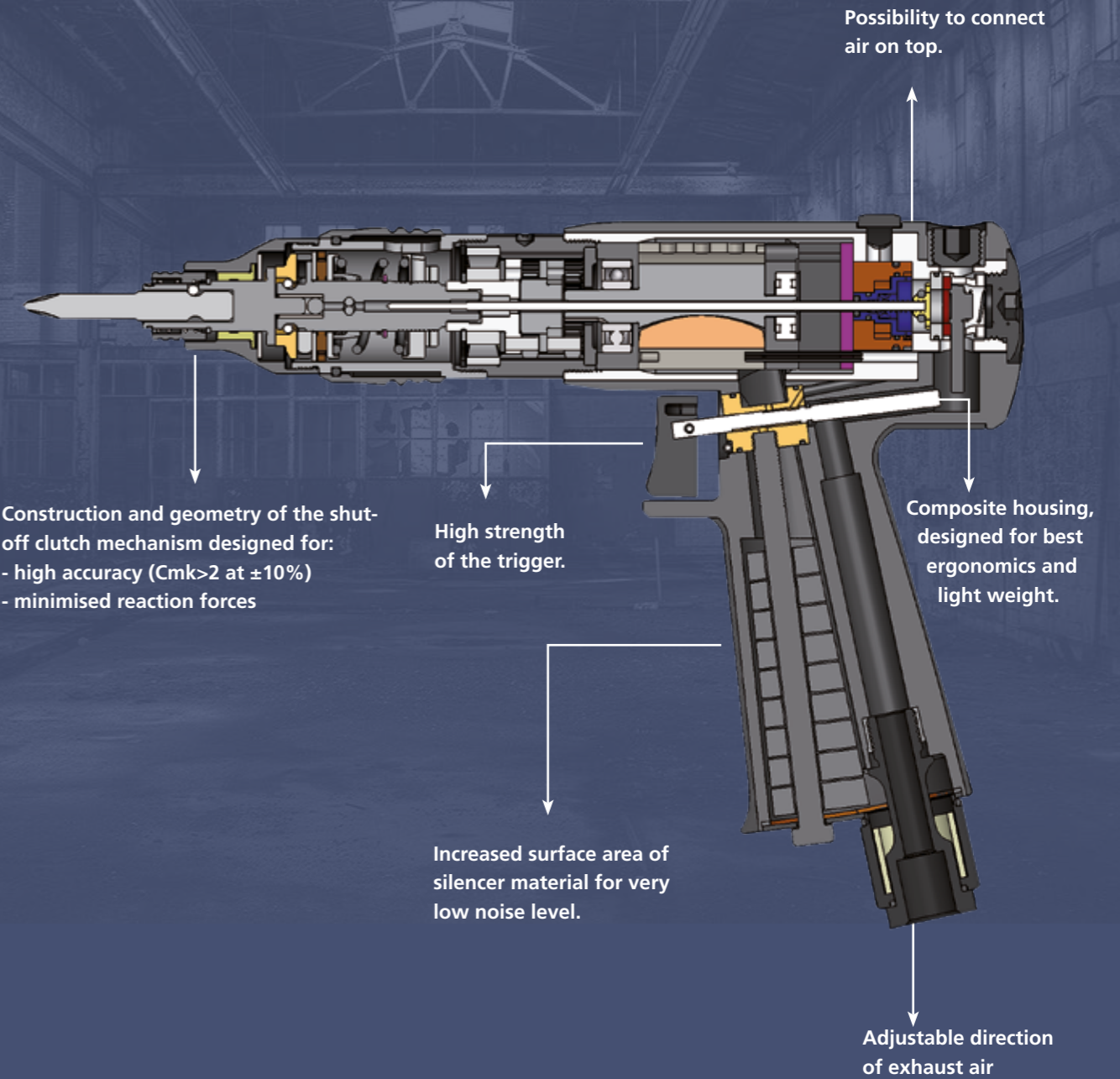
| Torque Nm | Pistol model<br>Straight model<br>Angle model  | W*       | A   | D*<br>Hexagon<br>dimension | H*       | L*       | R*       |
|-----------|--|----------|---|----------------------------|----------|----------|----------|
|           | <input type="checkbox"/> Pistol<br><input type="checkbox"/> Straight<br><input type="checkbox"/> Angle | ..... mm | <input type="checkbox"/> 0°<br><input type="checkbox"/> 26°<br><input type="checkbox"/> 90° | ○..... mm                  | ..... mm | ..... mm | ..... mm |

\* Maximum dimensions

## EXAMPLES



# SHUT-OFF SCREWDRIVERS MAIN FEATURES





# SHUT-OFF SCREWDRIVERS

## pistol models



These RED ROOSTER shut-off screwdrivers have a large torque-range, are highly accurate, have a low vibration level, have a very ergonomic design and have a low noise level. The special design of the clutch combines low reaction forces with a high repeatability of the torque. This air tool is designed for the assembly industry, where threaded fasteners are used. The wide range of different speeds always allows the best choice for the application. Low speed for plastics and hose clamps, high speeds for machined screws.



**Characteristics:**

- Composite housing
- Reversible
- Rear-exhaust, silenced
- Ergonomic grip, trigger start
- Easily adjustable
- Pistol model air on top
- Large torque range
- Delivery includes hanger
- Side grip delivered with size 3 tools

| Type        | Brand | Hex drive | Bolt capacity mm | RPM   | Torque Nm | Air-cons. l/s | Weight kg | Inlet-thread | Hose-diameter mm | Vibration m/s <sup>2</sup> | Noise level dB(A) |
|-------------|-------|-----------|------------------|-------|-----------|---------------|-----------|--------------|------------------|----------------------------|-------------------|
| RRI-SP10502 | RRI   | 1/4" Hex  | 4                | 550   | 1,0 - 2,5 | 8             | 0,77      | 1/4"         | 6,5              | <2,5                       | 68                |
| RRI-SP11602 | RRI   | 1/4" Hex  | 4                | 1.600 | 0,4 - 1,8 | 8             | 0,77      | 1/4"         | 6,5              | <2,5                       | 68                |
| RRI-SP10902 | RRI   | 1/4" Hex  | 4                | 900   | 0,4 - 2,2 | 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                |

\* The indicated torque levels are measured on hard joints.

DIMENSIONS

| Type        | A mm | B mm | C mm | Ø D mm | Size |
|-------------|------|------|------|--------|------|
| RRI-SP10502 | 198  | 16   | 157  | 31     | 1    |
| RRI-SP11602 | 198  | 16   | 157  | 31     | 1    |
| RRI-SP10902 | 198  | 16   | 157  | 31     | 1    |
| RRI-SP21704 | 209  | 18   | 157  | 34,5   | 2    |
| RRI-SP21104 | 209  | 18   | 157  | 34,5   | 2    |
| RRI-SP20705 | 209  | 18   | 157  | 34,5   | 2    |
| RRI-SP31706 | 238  | 18   | 156  | 34,5   | 3    |
| RRI-SP31108 | 238  | 18   | 157  | 34,5   | 3    |
| RRI-SP30710 | 238  | 18   | 157  | 34,5   | 3    |
| RRI-SP30511 | 238  | 18   | 157  | 34,5   | 3    |

**ACCESSORIES**

**Side grip for Size 2 & 3 tools**  
Order number: 766-027\*  
\* Supplied as standard

**Torque adjustment key**  
Order number: 00-4507\*  
\* Supplied as standard

**Tool holster**  
Order number: 61022-TH001

# SHUT-OFF SCREWDRIVERS

## straight models



**Characteristics:**

- New straight design with soft grip
- Reversible
- Rear-exhaust, silenced
- Ergonomic grip, lever start or push start
- Easily adjustable
- Delivery includes hanger
- Large torque range
- Side grip delivered with size 3 tools



Push start type



Lever start type

**Shut-Off screwdrivers push start type**

| Type        | Brand | Hex drive | Bolt capacity mm | RPM   | Torque Nm | Air-cons. l/s | Weight kg | Inlet-thread | Hose-diameter mm | Vibration m/s <sup>2</sup> | Noise level dB(A) |
|-------------|-------|-----------|------------------|-------|-----------|---------------|-----------|--------------|------------------|----------------------------|-------------------|
| RRI-SD11602 | RRI   | 1/4" Hex  | 4                | 1.600 | 0,4 - 1,8 | 8             | 0,54      | 1/4"         | 6,5              | <2,5                       | 68                |
| RRI-SD10902 | RRI   | 1/4" Hex  | 4                | 900   | 0,4 - 2,2 | 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 Nm | Air-cons. l/s | Weight kg | Inlet-thread | Hose-diameter mm | Vibration m/s <sup>2</sup> | Noise level dB(A) |
|-------------|-------|-----------|------------------|-------|-----------|---------------|-----------|--------------|------------------|----------------------------|-------------------|
| RRI-SL11602 | RRI   | 1/4" Hex  | 4                | 1.600 | 0,4 - 1,8 | 8             | 0,59      | 1/4"         | 6,5              | <2,5                       | 68                |
| RRI-SL10902 | RRI   | 1/4" Hex  | 4                | 900   | 0,4 - 2,2 | 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                |

\* The indicated torque levels are measured on hard joints.

DIMENSIONS

For torque adjustment key and side grip for screwdrivers with size 3 see page 48.

| Type        | A mm | B mm | Ø D mm | Size |
|-------------|------|------|--------|------|
| RRI-SD11602 | 228  | 16   | 31     | 1    |
| RRI-SD10902 | 228  | 16   | 31     | 1    |
| RRI-SD21704 | 244  | 18   | 34,5   | 2    |
| RRI-SD21104 | 244  | 18   | 34,5   | 2    |
| RRI-SD20705 | 244  | 18   | 34,5   | 2    |
| RRI-SD31706 | 276  | 18   | 34,5   | 3    |
| RRI-SD31108 | 276  | 18   | 34,5   | 3    |
| RRI-SD30710 | 276  | 18   | 34,5   | 3    |
| RRI-SD30511 | 276  | 18   | 34,5   | 3    |

| Type        | A mm | B mm | Ø D mm | Size |
|-------------|------|------|--------|------|
| RRI-SL11602 | 244  | 16   | 31     | 1    |
| RRI-SL10902 | 244  | 16   | 31     | 1    |
| RRI-SL21704 | 263  | 18   | 34,5   | 2    |
| RRI-SL21104 | 263  | 18   | 34,5   | 2    |
| RRI-SL20705 | 263  | 18   | 34,5   | 2    |
| RRI-SL31706 | 263  | 18   | 34,5   | 3    |
| RRI-SL31108 | 309  | 18   | 34,5   | 3    |
| RRI-SL30710 | 309  | 18   | 34,5   | 3    |
| RRI-SL30511 | 309  | 18   | 34,5   | 3    |

# SHUT-OFF SCREWDRIVERS

## angle models



**Characteristics:**

- New angled body-design with soft grip
- Reversible
- Rear-exhaust, silenced
- Ergonomic grip, lever start
- Ergonomic grip, lever start
- Easily adjustable
- Delivery includes hanger
- Large torque range



| Type         | Brand | Square/Hex drive | Bolt capacity mm | RPM   | Torque Nm | Air-cons. l/s | Weight kg | Inlet-thread | Hose-diameter mm | Vibration m/s <sup>2</sup> | Noise level dB(A) |
|--------------|-------|------------------|------------------|-------|-----------|---------------|-----------|--------------|------------------|----------------------------|-------------------|
| RRI-SA11602  | RRI   | 1/4" Hex         | 4                | 1.600 | 0,4 - 1,8 | 8             | 0,82      | 1/4"         | 6,5              | <2,5                       | 68                |
| RRI-SA10902  | RRI   | 1/4" Hex         | 4                | 900   | 0,4 - 2,2 | 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                |

\* The indicated torque levels are measured on hard joints.

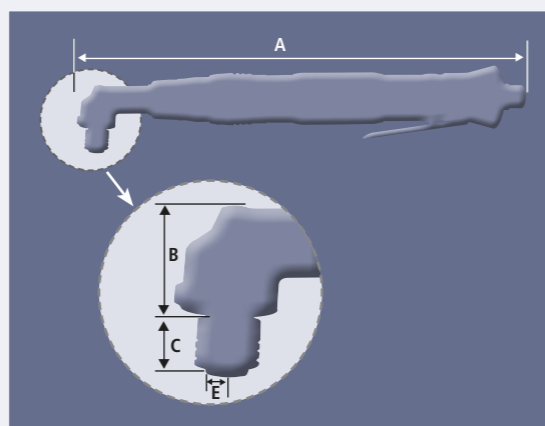
**ACCESSORIES**



**Torque adjustment key**  
Ordernumber: 00-4507\*  
\* Supplied as standard

**DIMENSIONS**

| Type         | A mm | B mm | C mm | E mm |
|--------------|------|------|------|------|
| RRI-SA11602  | 294  | 29   | 16,1 | 12   |
| RRI-SA10902  | 294  | 29   | 16,1 | 12   |
| RRI-SA21704  | 314  | 29   | 16,1 | 12   |
| RRI-SA21104  | 314  | 29   | 16,1 | 12   |
| RRI-SA20705  | 314  | 30,5 | 15,8 | 13,5 |
| RRI-SA31108  | 350  | 30,5 | 15,8 | 13,5 |
| RRI-SA30710  | 350  | 30,5 | 15,8 | 13,5 |
| RRI-SA30511  | 350  | 30,5 | 15,8 | 13,5 |
| RRI-SA31108W | 350  | 30,5 | 15,8 | 13,5 |
| RRI-SA30710W | 350  | 30,5 | 15,8 | 13,5 |
| RRI-SA30511W | 350  | 30,5 | 15,8 | 13,5 |



# VARIOUS TOOLS

**(SPRING) BALANCERS**

**Standard model**

| Type  | Brand | Capacity kg | Cable length m | Weight kg | Hose dia. 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"      |



**Hosereel with integrated cable**

| Type       | Brand | Capacity kg | Cable length m | Weight kg |
|------------|-------|-------------|----------------|-----------|
| RRI-9001/1 | RRI   | 0,5 - 1,5   | 2,0            | 0,5       |
| RRI-9003/1 | RRI   | 1 - 3       | 2,0            | 0,7       |
| RRI-9005/1 | RRI   | 2,5 - 5     | 2,0            | 0,9       |
| TW-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       |

**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        |



# RED ROOSTER ACCESSORIES

**RUBBER PROTECTION COVERS**



| Type    | Order number |         |          |              |
|---------|--------------|---------|----------|--------------|
| RRI-30  | RRI-30T      | RRI-30A | RRI-30AT | 140-109-A05  |
| RRI-40  | RRI-40T      | RRI-40A | RRI-40AT |              |
| RRI-50  | RRI-50T      | RRI-50A | RRI-50AT |              |
| RRI-40X | RRI-40X      | RRI-50X | RRI-50AX | 140X-109     |
| RI-60X  | RRI-60AX     |         |          | 160X-109     |
| RRI-60  | RRI-60T      | RRI-60A | RRI-60AT | 140X-109     |
| RRI-70  | RRI-70T      |         |          | 170-109-A05  |
| RRI-80  | RRI-80T      |         |          | 180-109      |
| RRI-90  | RRI-90T      |         |          | 190-109-A05  |
| RRI-100 | RRI-100T     |         |          | 1100-109-A05 |
| RRI-130 | RRI-130T     |         |          | 1130-109-A05 |
| RRI-150 | RRI-150T     |         |          | 1150-109-A05 |
| RRI-180 | RRI-180T     |         |          | 1180-109-A05 |
| RRI-200 | RRI-200T     |         |          | 1200-109     |

**SERVICE SETS**

You will need service sets with spare parts if you are going to change the oil. For quick service we advise you to use a vacuum pump (YEVP-1\*) and oil tank (YEVP-1T\*)

Always use oil with the right specifications when changing oil. Only then you will have an optimal tool power and a minimum oil consumption. We recommend RED ROOSTER oil for impulse wrenches: 01-0507.

**SERVICE SETS**

| Type      | Order-number | Type       | Order-number | Type     | Order-number |
|-----------|--------------|------------|--------------|----------|--------------|
| RRI-30    | I30RK        | RRI-30A    | I30RK        | RRI-30T  | IS30RK       |
| RRI-40(X) | I40RK        | RRI-40A(X) | I40DRK       | RRI-40T  | IS40RK       |
| RRI-50(X) | I50RK        | RRI-50A    | I50DRK       | RRI-50T  | IS50RK       |
| RRI-60(X) | I60RK        | RRI-60A(X) | I60DRK       | RRI-60T  | IS60RK       |
| RRI-70    | I70RK        | RRI-70A    | I70DRK       | RRI-70T  | IS70RK       |
| RRI-80    | I80RK        | RRI-30SA   | I30SDRK      | RRI-80T  | IS80RK       |
| RRI-90    | I90RK        | RRI-40SA   | I40SDRK      | RRI-90T  | IS90RK       |
| RRI-100   | I100RK       | RRI-50SA   | I50SDRK      | RRI-100T | IS100RK      |
| RRI-130   | I130RK       | RRI-60SA   | I60SDRK      | RRI-130T | IS130RK      |
| RRI-150   | IS150RK      | RRI-70SA   | I70SDRK      | RRI-150T | IS150RK      |
| RRI-180   | I180RK       | RRI-50R    | I50RRK       | RRI-180T | IS180RK      |
| RRI-200   | I200RK       | RRI-60R    | I60RRK       | RRI-200T | IS200RK      |
| RRI-30S   | I30SRK       | RRI-70R    | I70RRK       | RRI-30ST | IS30SRK      |
| RRI-40S   | I40SRK       | RRI-70RG   | I70GRK       | RRI-40ST | IS40SRK      |
| RRI-50S   | I50SRK       | RRI-70RH   | I70HRK       | RRI-50ST | IS50SRK      |
| RRI-60S   | I60SRK       | RRI-80RH   | I80HRK       | RRI-60ST | IS60SRK      |
| RRI-70S   | I70SRK       | RRI-50RA   | I50DRK       | RRI-70ST | IS70SRK      |
|           |              | RRI-60RA   | I60DRK       | RRI-80ST | IS80SRK      |
|           |              | RRI-70RA   | I70DRK       |          |              |

**Service sets containing:**

O-rings, back up rings and springs for impulse mechanisms for oil change.





| Order number | Ø     | For type  |
|--------------|-------|---|
| 61022-TH001  | 42 mm | RRI-SP11602, RRI-SP10902, RRI-SP21704, RRI-SP21104, RRI-SP20705, RRI-SP31706, RRI-SP31108, RRI-SP30710, RRI-SP30511, Y-41A(JQ), Y-46A(E)(JQ), Y-56A(E)(JQ), Y-61A(E)  |
| 61022-TH002  | 47 mm | YS-E600, YS-E800, YS-E900, YS-E950, Tka60(A), Tka70(A), Tka80(A), YEX120(A), YEX150(A), RRI-30T(AT), RRI-40T(AT), RRI-50T(AT), RRI-60T(AT), RRI-30(A), RRI-40X(AX), RRI-50X(A), RRI-60(AX), YLTX50A, YLTX60A, YLTX50E, YLTX60E, YLT60AL(EL), YLT70A(E), YLT70AL(EL), YLa60A(JQ), YLa70A(JQ), YLa80A(JQ), YLa60E(JQ), YLa70E(JQ), YLa80E(JQ) |
| 61022-TH003  | 58 mm | RRI-BS3, RRI-BS6, RRI-BS9, RRI-BI32T, RRI-BI55T, RRI-BI100T RRI-BI120T, Tka600(A), Tka700(A), Tka800, Tka900, Tka90, Tka110, Tka120, RRI-70T(AT), RRI-80T, RRI-90T, RRI-70(A)/80/90, YLTX80E, YLT80EL, YLTX110E, YLT110EL, YLa90E, YLa110E, YLa120E, Y70E(JQ)   |
| 61022-TH004  | 73 mm | E-M500, E-M700, E-M900, E-M1100, Tka1110, Tka1200, Tka1400, Tka1500, Tka150, YEX-1400, RRI-100T, RRI-130T, RRI-150T, YLTX120E, YLT120EL, YLTX140E, YLT140EL, YLa140E, Y-140(JQ)   |



| Order number | For type  |
|--------------|---|
| 61002-TH005  | RRI-BIM series<br>RRI-BS series<br>RRI-BI series<br>RRI-BA series |



| Order number | For type                       |
|--------------|--------------------------------|
| 61022-SB007  | RRI-BS series<br>RRI-BA series |

**BATTERY AND CHARGER FOR BATTERY IMPULSE WRENCHES**

**Battery for YBX-600T/800T**

| For type  | Description                         | Order number    |
|-----------|-------------------------------------|-----------------|
| YBX-600TE | 22,2 V / 1,5 Ah Li-ion,             | 0351-1521-03-99 |
| YBX-600TA | type BL 22,                         |                 |
| YBX-800TE | charging time:                      |                 |
| YBX-800TA | 20 minutes                          |                 |
| -         | Rubber protection cover for battery | 0351-0029-00-01 |



**Charger for YBX-600T/800T**

| For type  | Description     | Order number    |
|-----------|-----------------|-----------------|
| YBX-600TE | 100 - 240 Volt, | 7679-0000-01-00 |
| YBX-600TA | type BC200      |                 |
| YBX-800TE | charging time:  |                 |
| YBX-800TA | 20 minutes      |                 |



**Battery for YBX-1 & YBX-50**

| For type | Description        | Order number |
|----------|--------------------|--------------|
| YBX-1    | Battery 9,6 3,0 Ah | EB9-30H      |
| YBX-50   |                    |              |

**YOKOTA TORQUE MEASURING EQUIPMENT**

YOKOTA torque measuring equipment (YET-series) is especially designed to check and test the functioning and performance of impulse wrenches. All specified torque figures in this brochure are measured on a YOKOTA torque tester (YET series), with 0,63 MPa air pressure (dynamic). This is a static torque tester. Torque values may differ with other measuring equipment and/or joints (hard/soft).

| For type  | Range      |
|-----------|------------|
| YET-501C  | 5-50 Nm    |
| ET-2001C  | 20-200 Nm  |
| YET-5001C | 100-500 Nm |



**VALVES FOR SYSTEM WRENCHES**

**Valves for system wrenches**

| Description | Order number    |
|-------------|-----------------|
| 3/8" NC     | VP542-5Y01-03FA |
| 3/8" NO     | VP542-5Y01-03FB |
| 1/2" NC     | VP742-5Y01-04FA |
| 1/2" NO     | VP742-5Y01-04FA |



**2 Step valve set**

| Description | Order number   |
|-------------|----------------|
| 3/8" NC     | YETC-2 SVD 3/8 |
| 1/2" NC     | YETC-2SVD 1/2  |



**Electronic valve for two step tightening**

| Description | Order number       |
|-------------|--------------------|
| 1/2" NC     | ITV3050-404BS3-CPL |



**TOOLCABLE FOR YOKOTA SYSTEM WRENCHES**

| Toolcable                      | Order number    |
|--------------------------------|-----------------|
| 7 meter, 2 connectors, female  | 7802-1581-00-06 |
| 10 meter, 2 connectors, female | 7802-1581-00-08 |
| 12 meter, 2 connector, female  | 7802-1581-00-09 |
| 15 meter, 2 connector, female  | 7802-1581-00-10 |
| 10 meter extension cable (f/m) | 7802-1580-00-09 |
| Connection cable, 50 cm        | 7802-1579-00-01 |

**SPECIAL JOINT FOR YTC-3 CONTROLLER**

| For type                                 | Order number    |
|--|-----------------|
| Special joint for 3/8" tool              | 7671-0077-00-97 |
| Special joint for 1/4" bigger size tool  | 7671-0077-00-98 |
| Special joint for 1/4" smaller size tool | 7671-0077-00-99 |



# ACCESSORIES

rubber protection cover



## RUBBER PROTECTION COVER FOR IMPULSE- & SYSTEM WRENCHES

| For type | Order number    | For type | Order number    | For type | Order number    |
|----------|-----------------|----------|-----------------|----------|-----------------|
| E-M500   | 0368-0029-00-01 | YED-200  | 0409-0029-00-00 | YZ-N600A | 0454-0029-00-00 |
| E-M700   | 0368-0029-00-01 | YEX-120  | 0093-0029-00-00 | YZ-N600  | 0454-0029-00-00 |
| E-M900   | 0368-0029-00-01 | YEX-150  | 0093-0029-00-00 | YZ-N800A | 0455-0029-00-00 |
| E-M1100  | 0378-0029-00-01 | YEX-501  | 0260-0029-00-00 | YZ-N800  | 0455-0029-00-00 |
|          |                 | YEX-701  | 0143-0029-00-00 | YZ-N900  | 0456-0029-00-00 |
|          |                 | YEX-901  | 0261-0029-00-00 | YZ-N950  | 0457-0029-00-00 |
| TKa60    | 0186-0029-00-00 |          |                 |          |                 |
| TKa70    | 0186-0029-00-00 |          |                 |          |                 |
| TKa80    | 0193-0029-00-00 | YEX-1400 | 0323-0029-00-00 |          |                 |
| TKa90    | 0181-0029-00-00 | YEX-1900 | 0321-0029-00-00 |          |                 |
| TKa110   | 0187-0029-00-00 | YEX-3000 | 0407-0029-00-00 |          |                 |
| TKa120   | 0342-0029-00-00 |          |                 |          |                 |
| TKa140   | 0341-0029-00-00 | YLa60    | 0189-0029-00-00 |          |                 |
| TKa150   | 0343-0029-00-00 | YLa70    | 0189-0029-00-00 |          |                 |
| TKa600   | 0358-0029-00-00 | YLa80    | 0191-0029-00-00 |          |                 |
| TKa700   | 0358-0029-00-00 | YLa90    | 0188-0029-00-00 |          |                 |
| TKa800   | 0360-0029-00-00 | YLa110   | 0190-0029-00-00 |          |                 |
| TKa900   | 0355-0029-00-00 | YLa120   | 0345-0029-00-00 |          |                 |
| TKa1110  | 0356-0029-00-00 | YLa140   | 0346-0029-00-00 |          |                 |
| TKa1200  | 0388-0029-00-00 |          |                 |          |                 |
| TKa1400  | 0357-0029-00-00 | YLT50    | 0371-0029-00-00 |          |                 |
| TKa1500  | 0384-0029-00-00 | YLT60    | 0371-0029-00-00 |          |                 |
|          |                 | YLT70    | 0372-0029-00-00 |          |                 |
| Y-41     | 0161-0029-00-00 | YLT80    | 0373-0029-00-00 |          |                 |
| Y-46     | 0160-0029-00-00 | YLT110   | 0379-0029-00-00 |          |                 |
| Y-56     | 0159-0029-00-00 | YLT120   | 0380-0029-00-00 |          |                 |
| Y-61     | 0158-0029-00-00 | YLT140   | 0381-0029-00-00 |          |                 |
| Y-70     | 0135-0029-00-00 | YLT150   | 0382-0029-00-00 |          |                 |
| Y-90     | 0141-0029-00-00 |          |                 |          |                 |
| Y-100    | 0334-0029-00-00 | YS-e600  | 0444-0029-00-00 |          |                 |
| Y-130    | 0335-0029-00-00 | YS-e800  | 0445-0029-00-00 |          |                 |
| Y-140    | 0412-0029-00-00 | YS-e900  | 0446-0029-00-00 |          |                 |
| Y-T40    | 0169-0029-00-00 | YS-e950  | 0447-0029-00-00 |          |                 |
| Y-T45    | 0164-0029-00-00 |          |                 |          |                 |
| Y-T55    | 0164-0029-00-00 | YX-180   | 0089-0029-00-00 |          |                 |
| Y-T70    | 0166-0029-00-00 | YX-280   | 0081-0029-00-00 |          |                 |
| Y-T90    | 0167-0029-00-00 | YX-380   | 0086-0029-00-00 |          |                 |
|          |                 | YX-500   | 0077-0029-00-01 |          |                 |
| YBX-50   | 0928-0029-00-00 | YX-700   | 0129-0029-00-01 |          |                 |
| YBX-600T | 0351-0029-00-00 | YX-900   | 0237-0029-00-01 |          |                 |
| YBX-800T | 0352-0029-00-00 | YX-1100  | 0241-0029-00-00 |          |                 |
|          |                 | YX-1400  | 0322-0029-00-00 |          |                 |
|          |                 | YX-1900  | 0320-0029-00-01 |          |                 |
|          |                 | YX-2400  | 0406-0029-00-01 |          |                 |
|          |                 | YX-3000  | 0405-0029-00-00 |          |                 |

# ACCESSORIES

service set



## SERVICE SET

You will need these service sets with spare parts if you are going to change the oil. For quick service we advise you to use a vacuum pump (YEV-1\*) and oil tank (YEV-1T\*)

**Service sets containing:** O-rings, back up rings and springs for impulse mechanisms for oil change.

### Please note!

Always use oil with the right specifications when changing oil. Only then you will have a optimal tool power and a minimum oil consumption. We recommend NOBP oil for the impulse unit.

| For type | Order number    | For type | Order number    | For type    | Order number    |
|----------|-----------------|----------|-----------------|-------------|-----------------|
| E-M500   | 0377-0991-00-99 | YEX-120  | 0089-0991-01-99 | YX-80       | 0095-0991-00-99 |
| E-M700   | 0377-0991-00-99 | YEX-150  | 0089-0991-01-99 | YX-180      | 0089-0991-01-99 |
| E-M900   | 0368-0991-01-99 | YEX-300S | 0086-0991-01-99 | YX-280      | 0089-0991-01-99 |
| E-M1100  | 0378-0991-00-99 | YEX-500S | 0077-0991-02-99 | YX-380      | 0086-0991-01-99 |
|          |                 | YEX-701  | 0143-0991-00-99 | YX-500S (C) | 0086-0991-01-99 |
|          |                 | YEX-901  | 0237-0991-01-99 | YX-500      | 0077-0991-02-99 |
| TKa-60   | 0186-0991-00-99 | YEX-1400 | 0323-0991-00-99 | YX-700 (S)  | 0129-0991-00-99 |
| TKa-600  | 0186-0991-00-99 | YEX-1900 | 0320-0991-00-99 | YX-700C     | 0281-0991-01-99 |
| TKa-70   | 0186-0991-00-99 | YEX-3000 | 0405-0991-00-99 | YX-900      | 0237-0991-01-99 |
| TKa-700  | 0186-0991-00-99 |          |                 | YX-1100     | 0237-0991-01-99 |
| TKa-80   | 0193-0991-00-99 | YLa60    | 0199-0991-01-99 | YX-1400     | 0322-0991-00-99 |
| TKa-800  | 0193-0991-00-99 | YLa70    | 0189-0991-00-99 | YX-1900     | 0320-0991-00-99 |
| TKa-90   | 0181-0991-00-99 | YLa80    | 0191-0991-00-99 | YX-2400     | 0320-0991-00-99 |
| TKa-900  | 0181-0991-00-99 | YLa90    | 0188-0991-00-99 | YX-3000     | 0405-0991-00-99 |
| TKa-110  | 0187-0991-00-99 | YLa110   | 0190-0991-00-99 | YX-4500     | 0722-0991-00-99 |
| TKa-1110 | 0187-0991-00-99 | YLa120   | 0345-0991-00-99 |             |                 |
| TKa-120  | 0342-0991-00-99 | YLa140   | 0346-0991-00-99 | YZ-N600A    | 0193-0991-00-99 |
| TKa-140  | 0341-0991-00-99 |          |                 | YZ-N600     | 0193-0991-00-99 |
| TKa-1400 | 0341-0991-00-99 |          |                 | YZ-N800A    | 0193-0991-00-99 |
| TKa-150  | 0343-0991-00-99 | YLT50    | 0383-0991-01-99 | YZ-N800     | 0193-0991-00-99 |
| TKa-1500 | 0343-0991-00-99 | YLT60    | 0371-0991-01-99 | YZ-N900     | 0181-0991-00-99 |
|          |                 | YLT70    | 0372-0991-01-99 | YZ-N950     | 0181-0991-00-99 |
| Y-41     | 0095-0991-00-99 | YLT80    | 0373-0991-01-99 |             |                 |
| Y-46     | 0273-0991-01-99 | YLT110   | 0379-0991-01-99 |             |                 |
| Y-56     | 0158-0991-01-99 | YLT120   | 0380-0991-01-99 |             |                 |
| Y-61     | 0158-0991-01-99 | YLT140   | 0381-0991-01-99 |             |                 |
| Y-70     | 0135-0991-03-99 | YLT150   | 0382-0991-01-99 |             |                 |
| Y-90     | 0141-0991-01-99 |          |                 |             |                 |
| Y-100    | 0334-0991-01-99 | YLTX50   | 0389-0991-00-99 |             |                 |
| Y-130    | 0335-0991-00-99 | YLTX60   | 0390-0991-00-99 |             |                 |
| Y-140    | 0412-0991-02-09 | YLTX70   | 0391-0991-00-99 |             |                 |
|          |                 | YLTX80   | 0392-0991-00-99 |             |                 |
| YBX-1    | 0158-0991-01-99 | YLTX110  | 0395-0991-00-99 |             |                 |
| YBX-50   | 0158-0991-01-99 | YLTX120  | 0396-0991-00-99 |             |                 |
| YBX-600T | 0189-0991-00-99 | YLTX140  | 0398-0991-00-99 |             |                 |
| YBX-800T | 0191-0991-00-99 | YLTX150  | 0399-0991-00-99 |             |                 |
|          |                 |          |                 |             |                 |
| YED-200  | 0409-0991-00-99 | YS-e600  | 0193-0991-00-99 |             |                 |
| YED-240S | 0411-0991-02-99 | YS-e800  | 0193-0991-00-99 |             |                 |
|          |                 | YS-e900  | 0181-0991-00-99 |             |                 |
|          |                 | YS-e950  | 0181-0991-00-99 |             |                 |



# ACTION IMPACT SOCKETS



## 3/8" Drive

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

| 6-POINT NORMAL MAGNETIC 1 |        |     |       |       |      |       | DEEP MAGNETIC 2 |      |       |
|---------------------------|--------|-----|-------|-------|------|-------|-----------------|------|-------|
| Type                      | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm | Type            | L mm | L2 mm |
| <b>Metric</b>             |        |     |       |       |      |       |                 |      |       |
| DO6051P006                | 6      | A   | 11,5  | 19    | 30   | 3     | DO6051R006      | 55   | 3     |
| DO6051P007                | 7      | A   | 12,5  | 19    | 30   | 3     | DO6051R007      | 55   | 3     |
| DO6051P008                | 8      | A   | 14    | 19    | 30   | 3     | DO6051R008      | 55   | 3     |
| DO6051P009                | 9      | A   | 15    | 19    | 30   | 4     | DO6051R009      | 55   | 4     |
| DO6051P010                | 10     | A   | 16,5  | 19    | 30   | 4     | DO6051R010      | 55   | 4     |
| DO6051P011                | 11     | A   | 17,5  | 19    | 30   | 5     | DO6051R011      | 55   | 5     |
| DO6051P012                | 12     | B   | 19    | 19    | 30   | 5     | DO6051R012      | 55   | 5     |
| DO6051P013                | 13     | A   | 20    | 22    | 30   | 5     | DO6051R013      | 55   | 5     |
| DO6051P014                | 14     | A   | 21,5  | 22    | 30   | 6     | DO6051R014      | 55   | 6     |
| DO6051P015                | 15     | B   | 22    | 22    | 30   | 6     | DO6051R015      | 55   | 6     |
| DO6051P016                | 16     | C   | 24    | 22    | 30   | 6     | DO6051R016      | 55   | 6     |
| DO6051P017                | 17     | C   | 25    | 22    | 30   | 6     | DO6051R017      | 55   | 6     |
| DO6051P018                | 18     | C   | 26    | 22    | 30   | 7     | DO6051R018      | 55   | 7     |
| DO6051P019                | 19     | C   | 27,5  | 22    | 30   | 7     | DO6051R019      | 55   | 7     |

| HEX DRIVER (INBUS) 3 |        |     |       |       |      |   |
|----------------------|--------|-----|-------|-------|------|---|
| Type                 | A/F mm | IMG | D2 mm | L1 mm | L mm | - |
| <b>Metric</b>        |        |     |       |       |      |   |
| DO696204A            | 4      | F   | 19    | 16    | 50   | - |
| DO696205A            | 5      | F   | 19    | 16    | 50   | - |
| DO696206A            | 6      | F   | 19    | 16    | 50   | - |
| DO696208A            | 8      | F   | 19    | 16    | 50   | - |
| DO696210A            | 10     | F   | 19    | 16    | 50   | - |
| DO696212A            | 12     | F   | 19    | 16    | 50   | - |
| DO696214A            | 14     | F   | 19    | 16    | 50   | - |

| TORX® EXTERNAL 4 |     |     |       |       |      |       |   |
|------------------|-----|-----|-------|-------|------|-------|---|
| Type             | A/F | IMG | D1 mm | D2 mm | L mm | L2 mm | - |
| <b>Metric</b>    |     |     |       |       |      |       |   |
| DO63310005       | E5  | A   | 9     | 19    | 32   | 4,5   | - |
| DO63310006       | E6  | A   | 10    | 19    | 32   | 5     | - |
| DO63310008       | E8  | A   | 10,5  | 19    | 32   | 6     | - |
| DO63310010       | E10 | A   | 12,5  | 19    | 32   | 7,5   | - |
| DO63310012       | E12 | A   | 15    | 19    | 32   | 8,5   | - |

Torx® is a trademark of Textron.

| TORX® INTERNAL 5 |     |     |       |      |       |   |
|------------------|-----|-----|-------|------|-------|---|
| Type             | A/F | IMG | D1 mm | L mm | L1 mm | - |
| <b>Metric</b>    |     |     |       |      |       |   |
| DO64711015       | T15 | F   | 19    | 50   | 2,8   | - |
| DO64711020       | T20 | F   | 19    | 50   | 3,0   | - |
| DO64711025       | T25 | F   | 19    | 50   | 3,0   | - |
| DO64711030       | T30 | F   | 19    | 50   | 3,8   | - |
| DO64711040       | T40 | F   | 19    | 50   | 4,3   | - |
| DO64711045       | T45 | F   | 19    | 50   | 5,0   | - |
| DO64711050       | T50 | F   | 19    | 50   | 5,5   | - |

Torx® is a trademark of Textron.

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

# ACTION IMPACT SOCKETS for screwdrivers



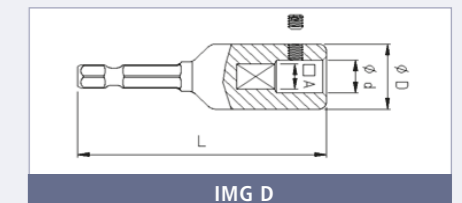
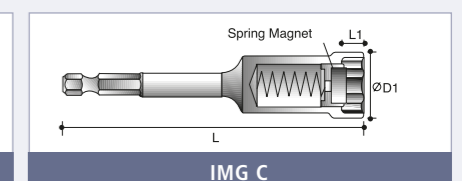
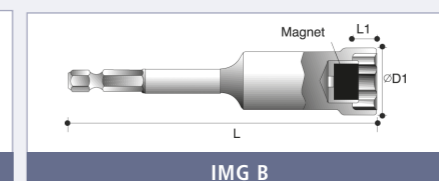
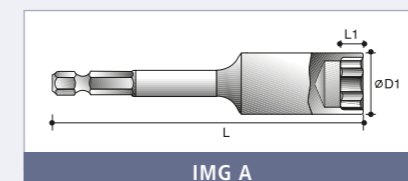
## 1/4" Drive

| 6-POINT 1     |        |     |       |      |       |
|---------------|--------|-----|-------|------|-------|
| Type          | A/F mm | IMG | D1 mm | L mm | L1 mm |
| <b>Metric</b> |        |     |       |      |       |
| DO697B0504    | 4      | A   | 8     | 55   | 4,5   |
| DO697B0506    | 6      | A   | 10    | 55   | 4,5   |
| DO697B0T06    | 6      | A   | 10    | 75   | 4,5   |
| DO697B0T07    | 7      | A   | 11    | 75   | 4,5   |
| DO697B0T08    | 8      | A   | 12    | 75   | 4,5   |
| DO697B0T10    | 10     | A   | 14    | 75   | 5,5   |
| DO697B0T12    | 12     | A   | 17    | 75   | 5,5   |
| DO697B0T13    | 13     | A   | 18    | 75   | 5,5   |
| DO697B0T14    | 14     | A   | 19    | 75   | 5,5   |
| DO697B0W12    | 12     | A   | 17    | 200  | 5,5   |
| DO697B0W14    | 14     | A   | 19    | 200  | 5,5   |

| 6-POINT MAGNETIC 2 |        |     |       |      |       |
|--------------------|--------|-----|-------|------|-------|
| Type               | A/F mm | IMG | D1 mm | L mm | L1 mm |
| <b>Metric</b>      |        |     |       |      |       |
| DO697B0M06         | 6      | B   | 10    | 55   | 4,5   |
| DO697B0M07         | 7      | B   | 11    | 55   | 4,5   |
| DO697B0M08         | 8      | B   | 12    | 55   | 4,5   |
| DO697B0M10         | 10     | B   | 14    | 55   | 5,5   |
| DO697B0M11         | 11     | B   | 16    | 55   | 5,5   |
| DO697B0M12         | 12     | B   | 17    | 55   | 5,5   |
| DO697B0M13         | 13     | B   | 18    | 55   | 5,5   |
| DO697B0M14         | 14     | B   | 19    | 55   | 5,5   |
| DO697B0N10         | 10     | B   | 14    | 75   | 5,5   |
| DO697B0N12         | 12     | B   | 17    | 75   | 5,5   |
| DO697B0P06         | 6      | B   | 10    | 100  | 4,5   |
| DO697B0P07         | 7      | B   | 11    | 100  | 4,5   |
| DO697B0P08         | 8      | B   | 12    | 100  | 4,5   |
| DO697B0P10         | 10     | B   | 14    | 100  | 5,5   |
| DO697B0P12         | 12     | B   | 17    | 100  | 5,5   |
| DO697B0P13         | 13     | B   | 18    | 100  | 5,5   |
| DO697B0P14         | 14     | B   | 19    | 100  | 5,5   |
| DO697B0P17         | 17     | B   | 23    | 100  | 5,5   |
| DO697B0Q10         | 10     | B   | 14    | 150  | 5,5   |
| DO697B0R10         | 10     | B   | 14    | 200  | 5,5   |

| 6-POINT DEEP MAGNETIC 2 |      |     |       |      |       |
|-------------------------|------|-----|-------|------|-------|
| Type                    | A mm | IMG | D1 mm | L mm | L1 mm |
| <b>Metric</b>           |      |     |       |      |       |
| DO697B6006              | 6    | C   | 10    | 75   | 4,5   |
| DO697B7006              | 6    | C   | 10    | 100  | 4,5   |
| DO697B7008              | 8    | C   | 12    | 100  | 4,5   |
| DO697B7010              | 10   | C   | 14    | 100  | 5,5   |
| DO697B7012              | 12   | C   | 17    | 100  | 5,5   |
| DO697B7013              | 13   | C   | 18    | 100  | 5,5   |
| DO697B7014              | 14   | C   | 19    | 100  | 5,5   |
| DO697B8006              | 6    | C   | 10    | 150  | 4,5   |
| DO697B8008              | 8    | C   | 12    | 150  | 4,5   |
| DO697B8010              | 10   | C   | 14    | 150  | 5,5   |
| DO697B8012              | 12   | C   | 17    | 150  | 5,5   |
| DO697B8013              | 13   | C   | 18    | 150  | 5,5   |
| DO697B8014              | 14   | C   | 19    | 150  | 5,5   |
| DO697B9006              | 6    | C   | 10    | 200  | 4,5   |
| DO697B9008              | 8    | C   | 12    | 200  | 4,5   |
| DO697B9010              | 10   | C   | 14    | 200  | 5,5   |
| DO697B9012              | 12   | C   | 17    | 200  | 5,5   |
| DO697B9013              | 13   | C   | 18    | 200  | 5,5   |
| DO697B9014              | 14   | C   | 19    | 200  | 5,5   |

| TAP HOLDING SOCKETS 3 |      |     |        |        |      |
|-----------------------|------|-----|--------|--------|------|
| Type                  | A mm | IMG | Ø d mm | Ø D mm | L mm |
| <b>Metric</b>         |      |     |        |        |      |
| DO63A65001            | 3,4  | D   | 4,5    | 14     | 55   |
| DO63A65002            | 4,9  | D   | 6      | 15     | 55   |
| DO63A65003            | 5,5  | D   | 7      | 16     | 55   |
| DO63A65004            | 6,2  | D   | 8      | 17     | 60   |
| DO63A65005            | 7    | D   | 9      | 18     | 70   |
| DO63A65006            | 8    | D   | 10     | 19     | 70   |
| DO63A65007            | 9    | D   | 11     | 20     | 70   |
| DO63A65008            | 9    | D   | 12     | 21     | 70   |
| DO63A65009            | 11   | D   | 14     | 23     | 75   |



ACTION

# SLEEVE DRIVE SOCKETS

for impulse wrenches



## 3/8" Drive

### 6-POINT NORMAL 1

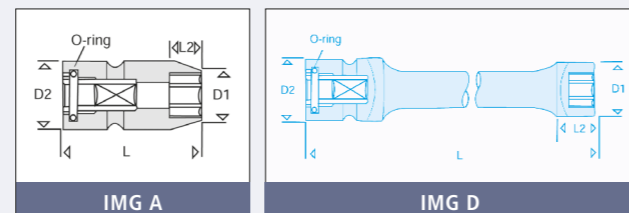
| Type            | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
|-----------------|--------|-----|-------|-------|------|-------|
| <b>Metrical</b> |        |     |       |       |      |       |
| DO60910006      | 6      | A   | 11    | 19    | 43   | 5     |
| DO60910007      | 7      | A   | 12    | 19    | 43   | 5     |
| DO60910008      | 8      | A   | 13    | 19    | 43   | 7     |
| DO60910009      | 9      | A   | 15    | 19    | 43   | 7     |
| DO60910010      | 10     | A   | 16    | 19    | 43   | 7     |
| DO60910011      | 11     | A   | 17,5  | 19    | 43   | 8     |
| DO60910012      | 12     | A   | 18,5  | 19    | 43   | 9     |
| DO60910013      | 13     | A   | 20    | 22    | 43   | 9     |
| DO60910014      | 14     | A   | 21    | 22    | 43   | 9     |
| DO60910015      | 15     | A   | 22    | 22    | 43   | 12    |
| DO60910016      | 16     | A   | 24    | 22    | 43   | 12    |
| DO60910017      | 17     | A   | 25    | 22    | 43   | 12    |
| DO60910018      | 18     | A   | 26    | 22    | 43   | 12    |
| DO60910019      | 19     | A   | 27    | 22    | 43   | 12    |
| DO60910021      | 21     | A   | 30    | 22    | 43   | 13    |

### 6-POINT LONG 2

| Type            | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
|-----------------|--------|-----|-------|-------|------|-------|
| <b>Metrical</b> |        |     |       |       |      |       |
| DO60913006      | 6      | D   | 11    | 19    | 100  | 4     |
| DO60913008      | 8      | D   | 13    | 19    | 100  | 8     |
| DO60913010      | 10     | D   | 16    | 19    | 100  | 8     |
| DO60913012      | 12     | D   | 18,5  | 19    | 100  | 9     |
| DO60913013      | 13     | D   | 20    | 22    | 100  | 9     |
| DO60913014      | 14     | D   | 21    | 22    | 100  | 9     |
| DO60913015      | 15     | D   | 22    | 22    | 100  | 11    |
| DO60913016      | 16     | D   | 24    | 22    | 100  | 11    |
| DO60913017      | 17     | D   | 25    | 22    | 100  | 11    |
|                 |        |     |       |       |      |       |
| DO60914006      | 6      | D   | 11    | 19    | 150  | 4     |
| DO60914008      | 8      | D   | 13    | 19    | 150  | 8     |
| DO60914010      | 10     | D   | 16    | 19    | 150  | 8     |
| DO60914012      | 12     | D   | 18,5  | 19    | 150  | 9     |
| DO60914013      | 13     | D   | 19    | 22    | 150  | 9     |
| DO60914014      | 14     | D   | 20    | 22    | 150  | 9     |
| DO60914015      | 15     | D   | 22    | 22    | 150  | 11    |
| DO60914016      | 16     | D   | 24    | 22    | 150  | 11    |
| DO60914017      | 17     | D   | 25    | 22    | 150  | 11    |
|                 |        |     |       |       |      |       |
| DO60915006      | 6      | D   | 11    | 19    | 200  | 4     |
| DO60915008      | 8      | D   | 13    | 19    | 200  | 8     |
| DO60915010      | 10     | D   | 16    | 19    | 200  | 8     |
| DO60915012      | 12     | D   | 18,5  | 19    | 200  | 9     |
| DO60915013      | 13     | D   | 20    | 22    | 200  | 9     |
| DO60915014      | 14     | D   | 21    | 22    | 200  | 9     |
| DO60915015      | 15     | D   | 22    | 22    | 200  | 11    |
| DO60915016      | 16     | D   | 22,5  | 22    | 200  | 11    |
| DO60915017      | 17     | D   | 24    | 22    | 200  | 11    |

### 6-POINT NORMAL 1

| Type            | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
|-----------------|--------|-----|-------|-------|------|-------|
| <b>Metrical</b> |        |     |       |       |      |       |
| DO6091A006      | 6      | A   | 11    | 19    | 43   | 5     |
| DO6091A007      | 7      | A   | 12    | 19    | 43   | 5     |
| DO6091A008      | 8      | A   | 13    | 19    | 43   | 7     |
| DO6091A009      | 9      | A   | 15    | 19    | 43   | 7     |
| DO6091A010      | 10     | A   | 16    | 19    | 43   | 7     |
| DO6091A011      | 11     | A   | 17,5  | 19    | 43   | 8     |
| DO6091A012      | 12     | A   | 18,5  | 19    | 43   | 9     |
| DO6091A013      | 13     | A   | 20    | 22    | 43   | 9     |
| DO6091A014      | 14     | A   | 21    | 22    | 43   | 9     |
| DO6091A015      | 15     | A   | 22    | 22    | 43   | 12    |
| DO6091A016      | 16     | A   | 24    | 22    | 43   | 12    |
| DO6091A017      | 17     | A   | 25    | 22    | 43   | 12    |
| DO6091A018      | 18     | A   | 26    | 22    | 43   | 12    |
| DO6091A019      | 19     | A   | 27    | 22    | 43   | 12    |
| DO6091A020      | 20     | A   | 28    | 22    | 43   | 13    |
| DO6091A021      | 21     | A   | 30    | 22    | 43   | 13    |
| DO6091A022      | 22     | A   | 31    | 23    | 50   | 14    |
| DO6091A023      | 23     | A   | 32    | 23    | 50   | 14    |
| DO6091A024      | 24     | A   | 34    | 23    | 50   | 15    |
| DO6091A025      | 25     | A   | 35    | 23    | 50   | 15    |
| DO6091A026      | 26     | A   | 36    | 23    | 50   | 15    |
| DO6091A027      | 27     | A   | 38    | 23    | 50   | 15    |



ACTION

# SLEEVE DRIVE SOCKETS

for impulse wrenches

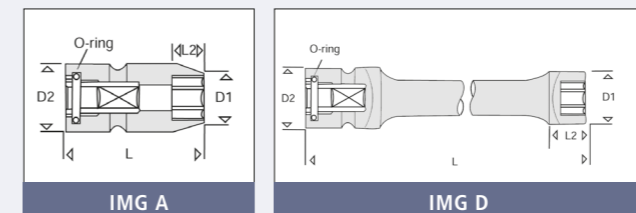


## 3/8" Drive

### 6-POINT LONG MAGNETIC 1

| Type            | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
|-----------------|--------|-----|-------|-------|------|-------|
| <b>Metrical</b> |        |     |       |       |      |       |
| DO6091P006      | 6      | D   | 11    | 19    | 100  | 3     |
| DO6091P007      | 7      | D   | 12    | 19    | 100  | 3     |
| DO6091P008      | 8      | D   | 13    | 19    | 100  | 4     |
| DO6091P009      | 9      | D   | 15    | 19    | 100  | 4     |
| DO6091P010      | 10     | D   | 16    | 19    | 100  | 4     |
| DO6091P011      | 11     | D   | 17,5  | 19    | 100  | 5     |
| DO6091P012      | 12     | D   | 18,5  | 19    | 100  | 5     |
| DO6091P013      | 13     | D   | 20    | 22    | 100  | 6     |
| DO6091P014      | 14     | D   | 21    | 22    | 100  | 6     |
| DO6091P015      | 15     | D   | 22    | 22    | 100  | 7     |
| DO6091P016      | 16     | D   | 24    | 22    | 100  | 7     |
| DO6091P017      | 17     | D   | 25    | 22    | 100  | 7     |
|                 |        |     |       |       |      |       |
| DO6091R006      | 6      | D   | 11    | 19    | 150  | 3     |
| DO6091R007      | 7      | D   | 12    | 19    | 150  | 3     |
| DO6091R008      | 8      | D   | 13    | 19    | 150  | 4     |
| DO6091R009      | 9      | D   | 15    | 19    | 150  | 4     |
| DO6091R010      | 10     | D   | 16    | 19    | 150  | 4     |
| DO6091R011      | 11     | D   | 17,5  | 19    | 150  | 5     |
| DO6091R012      | 12     | D   | 18,5  | 19    | 150  | 5     |
| DO6091R013      | 13     | D   | 20    | 22    | 150  | 6     |
| DO6091R014      | 14     | D   | 21    | 22    | 150  | 6     |
| DO6091R015      | 15     | D   | 22    | 22    | 150  | 7     |
| DO6091R016      | 16     | D   | 24    | 22    | 150  | 7     |
| DO6091R017      | 17     | D   | 25    | 22    | 150  | 7     |

|            |    |   |      |    |     |   |
|------------|----|---|------|----|-----|---|
| DO6091T007 | 7  | D | 12   | 19 | 200 | 3 |
| DO6091T008 | 8  | D | 13   | 19 | 200 | 4 |
| DO6091T009 | 9  | D | 15   | 19 | 200 | 4 |
| DO6091T010 | 10 | D | 16   | 19 | 200 | 4 |
| DO6091T011 | 11 | D | 17,5 | 19 | 200 | 5 |
| DO6091T012 | 12 | D | 18,5 | 19 | 200 | 5 |
| DO6091T013 | 13 | D | 20   | 22 | 200 | 6 |
| DO6091T014 | 14 | D | 21   | 22 | 200 | 6 |
| DO6091T015 | 15 | D | 22   | 22 | 200 | 7 |
| DO6091T016 | 16 | D | 24   | 22 | 200 | 7 |
| DO6091T017 | 17 | D | 25   | 22 | 200 | 7 |



### 6-POINT DEEP MAGNETIC 2

| Type            | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
|-----------------|--------|-----|-------|-------|------|-------|
| <b>Metrical</b> |        |     |       |       |      |       |
| DO6091Q010      | 10     | A   | 16    | 19    | 100  | 5     |
| DO6091Q012      | 12     | A   | 18,5  | 19    | 100  | 6     |
| DO6091Q013      | 13     | A   | 20    | 22    | 100  | 6     |
| DO6091Q014      | 14     | A   | 21    | 22    | 100  | 6     |
| DO6091Q016      | 16     | A   | 24    | 22    | 100  | 7     |

### TORX® INTERNAL 3

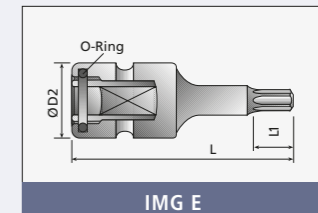
| Type       | A/F mm | IMG | L1 mm | D2 mm | L mm | - |
|------------|--------|-----|-------|-------|------|---|
| DO68811009 | T9     | F   | 2     | 22    | 75   | - |
| DO68811010 | T10    | F   | 2,8   | 22    | 75   | - |
| DO68811015 | T15    | F   | 2,8   | 22    | 75   | - |
| DO68811020 | T20    | F   | 2,8   | 22    | 75   | - |
| DO68811025 | T25    | F   | 3     | 22    | 75   | - |
| DO68811027 | T27    | F   | 3     | 22    | 75   | - |
| DO68811030 | T30    | F   | 3,8   | 22    | 75   | - |
| DO68811040 | T40    | F   | 3,8   | 22    | 75   | - |
| DO68811045 | T45    | F   | 4,3   | 22    | 75   | - |
| DO68811047 | T47    | F   | 5     | 22    | 75   | - |
| DO68811050 | T50    | F   | 5     | 22    | 75   | - |
| DO68811055 | T55    | F   | 5,5   | 22    | 75   | - |

Torx® is a trademark of Textron.

### TORX® EXTERNAL 4

| Type       | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
|------------|--------|-----|-------|-------|------|-------|
| DO66910005 | E5     | A   | 8     | 19    | 43   | 4,5   |
| DO66910006 | E6     | A   | 9     | 19    | 43   | 5     |
| DO66910007 | E7     | A   | 9,5   | 19    | 43   | 6     |
| DO66910008 | E8     | A   | 11    | 19    | 43   | 6,5   |
| DO66910010 | E10    | A   | 13    | 19    | 43   | 7,5   |
| DO66910011 | E11    | A   | 14    | 19    | 43   | 8     |
| DO66910012 | E12    | A   | 15,5  | 19    | 43   | 8,5   |
| DO66910014 | E14    | A   | 17,5  | 22    | 43   | 10    |
| DO66910016 | E16    | A   | 18,5  | 22    | 43   | 11    |

Torx® is a trademark of Textron.





ACTION

# SLEEVE DRIVE SOCKETS

for impulse wrenches



## 3/8" Drive

| HEX DRIVER (INBUS) 2 |        |     |       |       |      |   |
|----------------------|--------|-----|-------|-------|------|---|
| Type                 | A/F mm | IMG | L1 mm | D2 mm | L mm | - |
| <b>Metrical</b>      |        |     |       |       |      |   |
| DO68916003           | 3      | E   | 11    | 22    | 75   | - |
| DO68916004           | 4      | E   | 11    | 22    | 75   | - |
| DO68916005           | 5      | E   | 11    | 22    | 75   | - |
| DO68916006           | 6      | E   | 11    | 22    | 75   | - |
| DO68916007           | 7      | E   | 16    | 22    | 75   | - |
| DO68916008           | 8      | E   | 16    | 22    | 75   | - |
| DO68916009           | 9      | E   | 16    | 22    | 75   | - |
| DO68916010           | 10     | E   | 16    | 22    | 75   | - |
| DO68916011           | 11     | E   | 16    | 22    | 75   | - |
| DO68916012           | 12     | E   | 16    | 22    | 75   | - |
| DO68916013           | 13     | E   | 16    | 22    | 75   | - |
| DO68916014           | 14     | E   | 16    | 22    | 75   | - |
| DO68916015           | 15     | E   | 16    | 22    | 75   | - |
| DO68916016           | 16     | E   | 16    | 22    | 75   | - |

| STUD BOLD SETTERS |           |       |       |      |
|-------------------|-----------|-------|-------|------|
| Type              | Size      | D1 mm | D2 mm | L mm |
| DO66A10062        | M6 x 1    | 12,5  | 22    | 50   |
| DO66A10083        | M8 x 1,25 | 15    | 22    | 50   |
| DO66A10104        | M10 x 1,5 | 17    | 22    | 50   |

## 1/2" Drive

| 6-POINT NORMAL 3 |        |     |       |       |      |       |
|------------------|--------|-----|-------|-------|------|-------|
| Type             | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
| <b>Metrical</b>  |        |     |       |       |      |       |
| DO60920012       | 12     | A   | 20    | 25    | 52   | 12    |
| DO60920013       | 13     | A   | 21    | 25    | 52   | 12    |
| DO60920014       | 14     | A   | 22,5  | 25    | 52   | 12    |
| DO60920015       | 15     | A   | 23,5  | 30    | 52   | 12    |
| DO60920016       | 16     | A   | 25    | 30    | 52   | 12    |
| DO60920017       | 17     | A   | 26    | 30    | 52   | 12    |
| DO60920018       | 18     | A   | 27,5  | 30    | 52   | 13    |
| DO60920019       | 19     | A   | 28,5  | 30    | 52   | 13    |
| DO60920021       | 21     | A   | 31    | 30    | 52   | 14    |
| DO60920022       | 22     | A   | 32    | 30    | 52   | 14    |
| DO60920023       | 23     | A   | 34    | 30    | 52   | 14    |
| DO60920024       | 24     | A   | 35    | 30    | 52   | 15    |
| DO60920025       | 25     | A   | 36    | 30    | 57   | 15    |
| DO60920027       | 27     | A   | 38,5  | 30    | 57   | 17    |
| DO60920030       | 30     | A   | 42    | 30    | 57   | 18    |
| DO60920032       | 32     | A   | 44    | 30    | 62   | 20    |

| 6-POINT LONG 4  |        |     |       |       |      |       |
|-----------------|--------|-----|-------|-------|------|-------|
| Type            | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
| <b>Metrical</b> |        |     |       |       |      |       |
| DO60923010      | 10     | D   | 17,5  | 25    | 100  | 12    |
| DO60923012      | 12     | D   | 20    | 25    | 100  | 12    |
| DO60923013      | 13     | D   | 21    | 25    | 100  | 12    |
| DO60923014      | 14     | D   | 22,5  | 25    | 100  | 12    |
| DO60923015      | 15     | D   | 23,5  | 30    | 100  | 12    |
| DO60923017      | 17     | D   | 26    | 30    | 100  | 13    |
| DO60923019      | 19     | D   | 28,5  | 30    | 100  | 13    |
|                 |        |     |       |       |      |       |
| DO60924010      | 10     | D   | 17,5  | 25    | 150  | 12    |
| DO60924012      | 12     | D   | 20    | 25    | 150  | 12    |
| DO60924013      | 13     | D   | 21    | 25    | 150  | 12    |
| DO60924014      | 14     | D   | 22,5  | 25    | 150  | 12    |
| DO60924015      | 15     | D   | 23,5  | 30    | 150  | 12    |
| DO60924017      | 17     | D   | 26    | 30    | 150  | 13    |
| DO60924019      | 19     | D   | 28,5  | 30    | 150  | 13    |
|                 |        |     |       |       |      |       |
| DO60925010      | 10     | D   | 17,5  | 25    | 200  | 12    |
| DO60925012      | 12     | D   | 20    | 25    | 200  | 12    |
| DO60925013      | 13     | D   | 21    | 25    | 200  | 12    |
| DO60925014      | 14     | D   | 22,5  | 25    | 200  | 12    |
| DO60925015      | 15     | D   | 23,5  | 30    | 200  | 12    |
| DO60925017      | 17     | D   | 26    | 30    | 200  | 13    |
| DO60925019      | 19     | D   | 28,5  | 30    | 200  | 13    |

ACTION

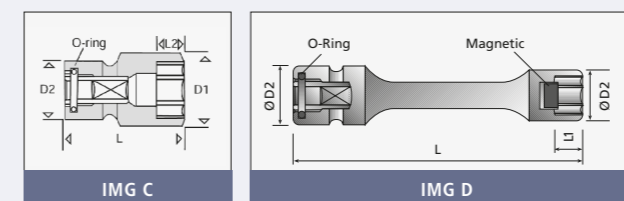
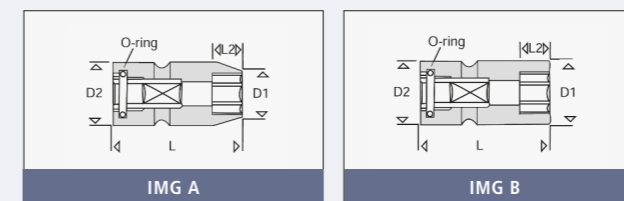
# SLEEVE DRIVE SOCKETS

for impulse wrenches



## 1/2" Drive

| 6-POINT LONG MAGNETIC 1 |        |     |       |       |      |       |
|-------------------------|--------|-----|-------|-------|------|-------|
| Type                    | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
| <b>Metrical</b>         |        |     |       |       |      |       |
| DO6092P010              | 10     | D   | 17,5  | 25    | 100  | 4     |
| DO6092P011              | 11     | D   | 18,5  | 25    | 100  | 5     |
| DO6092P012              | 12     | D   | 20    | 25    | 100  | 5     |
| DO6092P013              | 13     | D   | 21    | 25    | 100  | 6     |
| DO6092P014              | 14     | D   | 22,5  | 25    | 100  | 6     |
| DO6092P015              | 15     | D   | 23,5  | 30    | 100  | 7     |
| DO6092P016              | 16     | D   | 25    | 30    | 100  | 7     |
| DO6092P017              | 17     | D   | 26    | 30    | 100  | 7     |
| DO6092P018              | 18     | D   | 27,5  | 30    | 100  | 8     |
| DO6092P019              | 19     | D   | 28,5  | 30    | 100  | 8     |
|                         |        |     |       |       |      |       |
| DO6092R010              | 10     | D   | 17,5  | 25    | 150  | 4     |
| DO6092R011              | 11     | D   | 18,5  | 25    | 150  | 5     |
| DO6092R012              | 12     | D   | 20    | 25    | 150  | 5     |
| DO6092R013              | 13     | D   | 21    | 25    | 150  | 6     |
| DO6092R014              | 14     | D   | 22,5  | 25    | 150  | 6     |
| DO6092R015              | 15     | D   | 23,5  | 30    | 150  | 7     |
| DO6092R016              | 16     | D   | 25    | 30    | 150  | 7     |
| DO6092R017              | 17     | D   | 26    | 30    | 150  | 7     |
| DO6092R018              | 18     | D   | 27,5  | 30    | 150  | 8     |
| DO6092R019              | 19     | D   | 28,5  | 30    | 150  | 8     |
|                         |        |     |       |       |      |       |
| DO6092T010              | 10     | D   | 17,5  | 25    | 200  | 4     |
| DO6092T011              | 11     | D   | 18,5  | 25    | 200  | 5     |
| DO6092T012              | 12     | D   | 20    | 25    | 200  | 5     |
| DO6092T013              | 13     | D   | 21    | 25    | 200  | 6     |
| DO6092T014              | 14     | D   | 22,5  | 25    | 200  | 6     |
| DO6092T015              | 15     | D   | 23,5  | 30    | 200  | 7     |
| DO6092T016              | 16     | D   | 25    | 30    | 200  | 7     |
| DO6092T017              | 17     | D   | 26    | 30    | 200  | 7     |
| DO6092T018              | 18     | D   | 27,5  | 30    | 200  | 8     |
| DO6092T019              | 19     | D   | 28,5  | 30    | 200  | 8     |



| 6-POINT NORMAL MAGNETIC 2 |        |     |       |       |      |       |
|---------------------------|--------|-----|-------|-------|------|-------|
| Type                      | A/F mm | IMG | D1 mm | D2 mm | L mm | L2 mm |
| <b>Metrical</b>           |        |     |       |       |      |       |
| DO6092A006                | 6      | A   | 13    | 25    | 52   | 5     |
| DO6092A007                | 7      | A   | 14    | 25    | 52   | 5     |
| DO6092A008                | 8      | A   | 15    | 25    | 52   | 7     |
| DO6092A009                | 9      | A   | 16    | 25    | 52   | 7     |
| DO6092A010                | 10     | A   | 17,5  | 25    | 52   | 8     |
| DO6092A011                | 11     | A   | 18,5  | 25    | 52   | 9     |
| DO6092A012                | 12     | A   | 20    | 25    | 52   | 12    |
| DO6092A013                | 13     | A   | 21    | 25    | 52   | 12    |
| DO6092A014                | 14     | A   | 22,5  | 25    | 52   | 12    |
| DO6092A015                | 15     | A   | 23,5  | 30    | 52   | 12    |
| DO6092A016                | 16     | A   | 25    | 30    | 52   | 12    |
| DO6092A017                | 17     | A   | 26    | 30    | 52   | 12    |
| DO6092A018                | 18     | A   | 27,5  | 30    | 52   | 12    |
| DO6092A019                | 19     | A   | 28,5  | 30    | 52   | 12    |
| DO6092A020                | 20     | B   | 30    | 30    | 52   | 12    |
| DO6092A021                | 21     | C   | 31    | 30    | 52   | 12    |
| DO6092A022                | 22     | C   | 32    | 30    | 52   | 12    |
| DO6092A023                | 23     | C   | 34    | 30    | 52   | 12    |
| DO6092A024                | 24     | C   | 35    | 30    | 52   | 12    |
| DO6092A025                | 25     | C   | 36    | 30    | 57   | 12    |
| DO6092A026                | 26     | C   | 38    | 30    | 57   | 12    |
| DO6092A027                | 27     | C   | 38,5  | 30    | 57   | 12    |

| 6-POINT DEEP MAGNETIC 3 |        |     |       |       |      |       |
|-------------------------|--------|-----|-------|-------|------|-------|
| Type                    | A/F mm | IMG | D1 mm | D2 mm | L mm | L1 mm |
| <b>Metrical</b>         |        |     |       |       |      |       |
| DO6092Q010              | 10     | A   | 17,5  | 25    | 100  | 5     |
| DO6092Q013              | 13     | A   | 21    | 25    | 100  | 6     |
| DO6092Q016              | 16     | A   | 25    | 30    | 100  | 7     |
| DO6092Q017              | 17     | A   | 26    | 30    | 100  | 7     |
| DO6092Q019              | 19     | A   | 28,5  | 30    | 100  | 8     |

# ACTION SLEEVE DRIVE SOCKETS

for impulse wrenches



## 1/2" Drive

### TORX® INTERNAL 1

| Type       | A/F  | IMG | L1 mm | D2 mm | L mm | - |
|------------|------|-----|-------|-------|------|---|
| DO68821020 | T20  | E   | 2,8   | 25    | 75   | - |
| DO68821025 | T25  | E   | 3     | 25    | 75   | - |
| DO68821027 | T27  | E   | 3     | 25    | 75   | - |
| DO68821030 | T30  | E   | 3,8   | 25    | 75   | - |
| DO68821040 | T40  | E   | 3,8   | 25    | 75   | - |
| DO68821045 | T45  | E   | 4,3   | 25    | 75   | - |
| DO68821047 | T47  | E   | 5     | 25    | 75   | - |
| DO68821050 | T50  | E   | 5     | 25    | 75   | - |
| DO68821055 | T55  | E   | 5,5   | 25    | 75   | - |
| DO68821060 | T60  | E   | 8     | 25    | 75   | - |
| DO68821070 | T70  | E   | 9,4   | 25    | 75   | - |
| DO68821080 | T80  | E   | 10,5  | 25    | 75   | - |
| DO68821090 | T90  | E   | 11,8  | 25    | 75   | - |
| DO68821100 | T100 | E   | 13,1  | 25    | 75   | - |

Torx® is a trademark of Textron.

### TORX® EXTERNAL 2

| Type       | A/F | IMG | D1 mm | D2 mm | L mm | L2 mm |
|------------|-----|-----|-------|-------|------|-------|
| DO66920010 | E10 | A   | 14    | 25    | 52   | 7,5   |
| DO66920011 | E11 | A   | 15    | 25    | 52   | 8     |
| DO66920012 | E12 | A   | 16    | 25    | 52   | 8,5   |
| DO66920014 | E14 | A   | 18    | 25    | 52   | 10    |
| DO66920016 | E16 | A   | 20    | 25    | 52   | 11    |
| DO66920018 | E18 | A   | 22    | 25    | 52   | 12,5  |
| DO66920020 | E20 | A   | 25    | 30    | 52   | 14    |
| DO66920022 | E22 | A   | 27    | 30    | 52   | 15    |
| DO66920024 | E24 | A   | 29    | 30    | 52   | 16,5  |

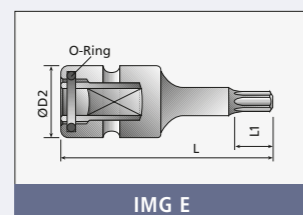
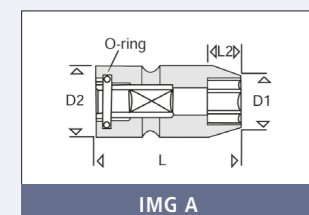
Torx® is a trademark of Textron.

### HEX DRIVER (INBUS) 3

| Type            | A/F | IMG | L1 mm | D2 mm | L mm | - |
|-----------------|-----|-----|-------|-------|------|---|
| <b>Metrical</b> |     |     |       |       |      |   |
| DO68925003      | 3   | E   | 11    | 25    | 75   | - |
| DO68925004      | 4   | E   | 11    | 25    | 75   | - |
| DO68925005      | 5   | E   | 15    | 25    | 75   | - |
| DO68925006      | 6   | E   | 15    | 25    | 75   | - |
| DO68925007      | 7   | E   | 20    | 25    | 75   | - |
| DO68925008      | 8   | E   | 25    | 25    | 75   | - |
| DO68925009      | 9   | E   | 25    | 25    | 75   | - |
| DO68925010      | 10  | E   | 25    | 25    | 75   | - |
| DO68925011      | 11  | E   | 25    | 25    | 75   | - |
| DO68925012      | 12  | E   | 25    | 25    | 75   | - |
| DO68925013      | 13  | E   | 25    | 25    | 75   | - |
| DO68925014      | 14  | E   | 25    | 25    | 75   | - |
| DO68925015      | 15  | E   | 25    | 25    | 75   | - |
| DO68925016      | 16  | E   | 25    | 25    | 75   | - |
| DO68925017      | 17  | E   | 25    | 25    | 75   | - |
| DO68925018      | 18  | E   | 25    | 25    | 75   | - |
| DO68925019      | 19  | E   | 25    | 25    | 75   | - |

### STUD BOLT SETTERS

| Type       | Size       | D1 mm | D2 mm | L mm |
|------------|------------|-------|-------|------|
| DO66A21062 | M6 x 1     | 13    | 25    | 75   |
| DO66A21083 | M8 x 1,25  | 15    | 25    | 75   |
| DO66A21104 | M10 x 1,5  | 17    | 25    | 75   |
| DO66A21125 | M12 x 1,75 | 19    | 25    | 75   |
| DO66A21146 | M14 x 2    | 22    | 25    | 75   |
| DO66A21166 | M16 x 2    | 27    | 30    | 75   |



# ACTION SLEEVE DRIVE SOCKETS

for impulse wrenches



## 3/4" Drive

### 6-POINT NORMAL 1

| Type            | A/F | IMG | D1 mm | D2 mm | L mm | L2 mm |
|-----------------|-----|-----|-------|-------|------|-------|
| <b>Metrical</b> |     |     |       |       |      |       |
| DO60940017      | 17  | A   | 30    | 44    | 65   | 12    |
| DO60940018      | 18  | A   | 31    | 44    | 65   | 13    |
| DO60940019      | 19  | A   | 32    | 44    | 65   | 13    |
| DO60940021      | 21  | A   | 35    | 44    | 68   | 15    |
| DO60940022      | 22  | A   | 37    | 44    | 68   | 15    |
| DO60940023      | 23  | A   | 38    | 44    | 68   | 15    |
| DO60940024      | 24  | A   | 39    | 44    | 68   | 15    |
| DO60940026      | 26  | A   | 42    | 44    | 69   | 16    |
| DO60940027      | 27  | A   | 43    | 44    | 69   | 17    |
| DO60940028      | 28  | A   | 44    | 44    | 71   | 18    |
| DO60940029      | 29  | A   | 46    | 44    | 71   | 18    |
| DO60940030      | 30  | A   | 47    | 44    | 71   | 18    |
| DO60940032      | 32  | A   | 49    | 44    | 72   | 20    |
| DO60940033      | 33  | A   | 51    | 44    | 73   | 21    |
| DO60940034      | 34  | A   | 52    | 44    | 73   | 22    |
| DO60940035      | 35  | A   | 53    | 44    | 73   | 22    |
| DO60940036      | 36  | A   | 54    | 44    | 73   | 23    |
| DO60940038      | 38  | A   | 57    | 44    | 75   | 24    |
| DO60940041      | 41  | A   | 60    | 44    | 75   | 27    |
| DO60940046      | 46  | A   | 66,5  | 44    | 80   | 30    |
| DO60940050      | 50  | A   | 71    | 54    | 80   | 31    |

### 6-POINT MAGNETIC 1

| Type            | A/F | IMG | D1 mm | D2 mm | L mm | L2 mm |
|-----------------|-----|-----|-------|-------|------|-------|
| <b>Metrical</b> |     |     |       |       |      |       |
| DO6094A013      | 13  | A   | 24,5  | 44    | 65   | 12    |
| DO6094A014      | 14  | A   | 25,5  | 44    | 65   | 12    |
| DO6094A015      | 15  | A   | 27    | 44    | 65   | 12    |
| DO6094A016      | 16  | A   | 28    | 44    | 65   | 12    |
| DO6094A017      | 17  | A   | 30    | 44    | 65   | 12    |
| DO6094A018      | 18  | A   | 31    | 44    | 65   | 13    |
| DO6094A019      | 19  | A   | 32    | 44    | 65   | 13    |
| DO6094A020      | 20  | A   | 34    | 44    | 68   | 15    |
| DO6094A021      | 21  | A   | 35    | 44    | 68   | 15    |
| DO6094A022      | 22  | A   | 37    | 44    | 68   | 15    |
| DO6094A023      | 23  | A   | 38    | 44    | 68   | 15    |
| DO6094A024      | 24  | A   | 39    | 44    | 68   | 16    |
| DO6094A025      | 25  | A   | 41    | 44    | 69   | 16    |
| DO6094A026      | 26  | A   | 42    | 44    | 69   | 16    |
| DO6094A027      | 27  | A   | 43    | 44    | 69   | 17    |

### HEX DRIVER 6-POINT (INBUS) 2

| Type            | A/F | IMG | D2 mm | L mm | L2 mm | - |
|-----------------|-----|-----|-------|------|-------|---|
| <b>Metrical</b> |     |     |       |      |       |   |
| DO68945010      | 10  | F   | 44    | 100  | 20    | - |
| DO68945012      | 12  | F   | 44    | 100  | 20    | - |
| DO68945014      | 14  | F   | 44    | 100  | 20    | - |
| DO68945016      | 16  | F   | 44    | 100  | 20    | - |
| DO68945017      | 17  | F   | 44    | 100  | 20    | - |
| DO68945019      | 19  | F   | 44    | 100  | 20    | - |
| DO68945022      | 22  | F   | 44    | 100  | 20    | - |
| DO68945024      | 24  | F   | 44    | 100  | 20    | - |
| DO68945027      | 27  | F   | 44    | 100  | 20    | - |
| DO68945030      | 30  | F   | 44    | 100  | 20    | - |
| DO68945032      | 32  | F   | 44    | 100  | 20    | - |
| DO68945033      | 33  | F   | 44    | 100  | 20    | - |
| DO68945036      | 36  | F   | 44    | 100  | 20    | - |
| DO68945038      | 38  | F   | 44    | 100  | 20    | - |

### TORX® EXTERNAL 3

| Type            | A/F | IMG | D1 mm | D2 mm | L mm | L2 mm |
|-----------------|-----|-----|-------|-------|------|-------|
| <b>Metrical</b> |     |     |       |       |      |       |
| DO66940018      | E18 | A   | 26    | 44    | 65   | 12,5  |
| DO66940020      | E20 | A   | 28    | 44    | 65   | 14    |
| DO66940022      | E22 | A   | 31    | 44    | 65   | 15    |
| DO66940024      | E24 | A   | 33    | 44    | 65   | 16,5  |

Torx® is a trademark of Textron.

## ACTION BROCHURE

IMPACT SOCKETS FOR OPTIMAL PERFORMANCE AND SECURITY



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



# SLEEVE DRIVE SOCKETS

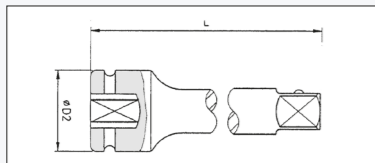
for impulse wrenches



## 3/4" Drive

### EXTENSIONS

| Type            | Square-drive | D2 mm | L mm |
|-----------------|--------------|-------|------|
| <b>Metrical</b> |              |       |      |
| DO64614075      | 3/8"         | 75    | 22   |
| DO64614125      | 3/8"         | 125   | 22   |
| DO64614250      | 3/8"         | 250   | 22   |
| DO64624075      | 1/2"         | 75    | 25   |
| DO64624125      | 1/2"         | 125   | 25   |
| DO64624175      | 1/2"         | 175   | 25   |
| DO64624250      | 1/2"         | 250   | 25   |
| DO64644175      | 3/4"         | 175   | 44   |
| DO64644250      | 3/4"         | 250   | 44   |
| DO64644330      | 3/4"         | 330   | 44   |

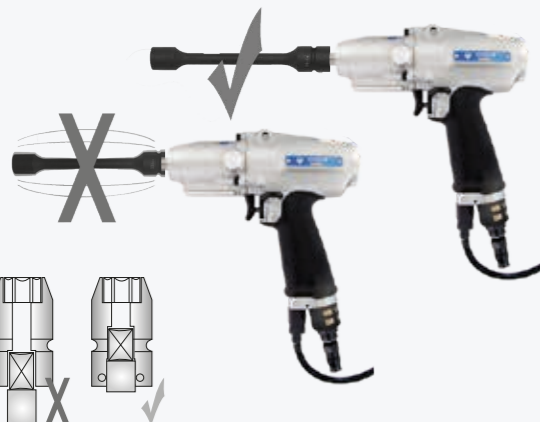


### ACTION SLEEVE DRIVE POWER SOCKETS GUARANTEE REDUCED VIBRATION!!

ACTION sleeve drive power sockets are supported with an O-ring on the axle of the impulse wrench, giving a tighter fit on the tool.

#### Sleeve drive power sockets guarantee

- Torque improvement
- Reduces vibration
- Reduced noise level
- Reduced wear



## Sleeve Drive adaptors

### QUICKCHANGE ADAPTORS

| Type            | Drive-in | Drive-out | D2 mm | L mm |
|-----------------|----------|-----------|-------|------|
| <b>Metrical</b> |          |           |       |      |
| DO69151116      | 3/8"     | 1/2"      | 20    | 80   |
| DO69152112      | 1/2"     | 3/8"      | 25    | 75   |
| DO69154116      | 3/4"     | 1/2"      | 44    | 90   |
| DO69151112      | 3/8"     | 3/8"      | 19    | 75   |
| DO69151212      | 3/8"     | 3/8"      | 19    | 100  |
| DO69152216      | 1/2"     | 1/2"      | 25    | 100  |
| DO69154324      | 3/4"     | 3/4"      | 44    | 125  |

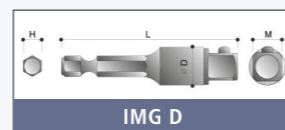
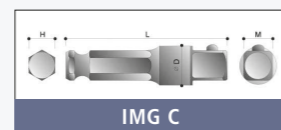
### BITHOLDERS

| Type            | Square-drive | Hex chuck | D2 mm | L mm |
|-----------------|--------------|-----------|-------|------|
| <b>Metrical</b> |              |           |       |      |
| DO69111E08      | 3/8"         | 1/4"      | 52    | 22   |
| DO69111E14      | 3/8"         | 7/16"     | 62    | 22   |
| DO69112E08      | 1/2"         | 1/4"      | 60    | 25   |
| DO69112E14      | 1/2"         | 7/16"     | 70    | 25   |
| DO69114E14      | 3/4"         | 7/16"     | 80    | 44   |

## Impact adaptors (NO SLEEVE DRIVE)



| Type            | Square-drive | Hex   | IMG | L mm | D mm |
|-----------------|--------------|-------|-----|------|------|
| <b>Metrical</b> |              |       |     |      |      |
| DO69306050      | 1/4"         | 1/4"  | C   | 50   | 9    |
| DO69306075      | 1/4"         | 1/4"  | C   | 75   | 9    |
| DO69306100      | 1/4"         | 1/4"  | C   | 100  | 9    |
| DO69306150      | 1/4"         | 1/4"  | C   | 150  | 9    |
| DO69316050      | 3/8"         | 1/4"  | C   | 50   | 13   |
| DO69316075      | 3/8"         | 1/4"  | C   | 75   | 13   |
| DO69316100      | 3/8"         | 1/4"  | C   | 100  | 13   |
| DO69318075      | 3/8"         | 7/16" | D   | 75   | 13   |
| DO6932E050      | 1/2"         | 1/4"  | C   | 50   | 17   |
| DO69328075      | 1/2"         | 7/16" | D   | 75   | 17   |



# SERVICE

### How to use

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

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

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

### Pressure too low!

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

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

### WARRANTY

Warranty covers material and/or construction faults of the manufacturer, which are clearly definable. Replacement of parts or repair by an official YOKOTA/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.

Low pressure may occur if:

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

### Please note

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

### Quality of the air

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

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

Poor air quality can be caused by:

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

Warranty 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 industrial air tools

**12 months** RED ROOSTER hoists and winches

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

# NOTES

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## OTHER BROCHURES OF RAMI YOKOTA BV



### AIR TOOLS

Product range TOKU, YOKOTA, RED ROOSTER, ACTION & SMC

Content:  
Impact wrenches, Impulse wrenches, Ratchet wrenches, Impact sockets, Screwdrivers, Drills, Grinders & sanders, Hammers, Needlescalers, Saws, Pumps, Air chain hoists, Spring balancers, Air treatment equipment.



### ACTION BROCHURE

Impact sockets for optimal performance and security

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



### RED ROOSTER AIR CHAIN HOISTS

Air Chain Hoists 125 kg - 100 tonnes

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