



GAV TEKNİK EL ALETLERİ A.Ş.



2022 PRICE LIST





Dear Business Partner,

Since 1995, we have successfully brought together reliable products in the automotive industry and garage equipment as well as air and mechanical hand tools with users. While carrying the pioneering spirit of entrepreneurship open to the world and development, all our efforts have been to create innovations for professionals. In this context, we offer a product range of mechanical torque wrenches, torque boosters, digital torque wrenches and torque testers in 2019 and Shut-off series products in 2021.

Our Vision

In our industry can respond to the needs and technical assistance sought, professionals aiming to become a leading partner in the Republic of Turkey within the borders of each point capable of delivering these solutions is to grow together with our stakeholders by becoming a company. Our main goal is to deliver all the innovations that develop in the sector to our stakeholders and to make life easier.

Our Mission

Our journey, which started in 1995, by keeping customer satisfaction at the highest level without sacrificing quality and high technology, to bring reliable brands of service and garage equipment and air and mechanical hand tools together with users and thus create value. Our company supplies solutions and innovative products based on advanced technology to meet the changing needs of our daily life. We exist to solve the problems of professionals with creative products and offer world-class products in competitive conditions. It is our mission to present products that make life easier with an understanding of excellent service.

Customer Happiness

With our experienced sales team and after sales technical team supporting the sales team, all suggestions and complaints of our customers are answered in a short time. Our technical team is to provide the most accurate and fast solution to the solution-oriented demands of our customers as a result of on-site examinations.





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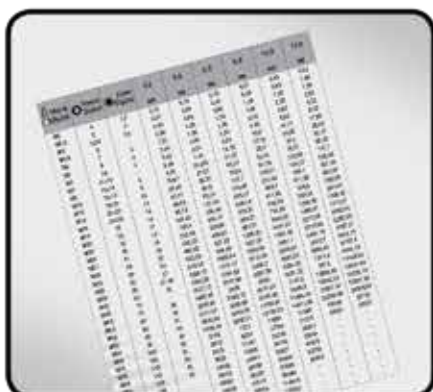
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HAVALI EL ALETLERİ



AIR IMPACT WRENCH



OS-6338IP

AIR IMPACT WRENCH 1/4"

140 \$



SINGLE HAMMER

Capacity Bolt Size	M 8
Square Drive	1/4"
Length	150 mm
Free Speed	12.500 RPM
Max. Torque	68 Nm
Air Hose	8 mm
Air Consumption	160 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,90 Kg
Quantity/Box	10

OS-402S

AIR IMPACT WRENCH 3/8"

105 \$



SINGLE HAMMER

Capacity Bolt Size	M 12
Square Drive	3/8"
Length	135 mm
Free Speed	10.000 RPM
Max. Torque	100 Nm
Air Hose	10 mm
Air Consumption	115 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,95 Kg
Quantity/Box	20

OS-340

AIR IMPACT WRENCH 3/8"

100 \$

SINGLE HAMMER

Capacity Bolt Size	M 12
Square Drive	3/8"
Length	112 mm
Free Speed	10.000 RPM
Max. Torque	102 Nm
Air Hose	8 mm
Air Consumption	100 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	20



AT-240
AIR IMPACT WRENCH 1/2"
110 \$

TWIN HAMMER

Capacity Bolt Size	M 16
Square Drive	1/2"
Length	170 mm
Free Speed	8.000 RPM
Max. Torque	660 NM
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	3,50 Kg
Quantity/Box	6

AT-241
AIR IMPACT WRENCH 1/2"
115 \$

TWIN HAMMER

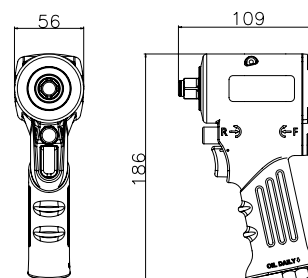
Capacity Bolt Size	M 18
Square Drive	1/2"
Length	180 mm
Free Speed	8.000 RPM
Max. Torque	720 NM
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	3,50 Kg
Quantity/Box	6

AT-500M
MINI AIR IMPACT WRENCH 1/2"
130 \$
JUMBO HAMMER

Capacity Bolt Size	M 14
Square Drive	1/2"
Length	111 mm
Free Speed	9800 RPM
Max. Torque	520 NM
Air Hose	10 mm
Air Consumption	170 LT/Min.
Working Pressure	6,3 - 8,0 Bar
Air Inlet	1/4"
Weight	1,6 Kg
Quantity/Box	10


AT-2712
MINI AIR IMPACT WRENCH 1/2"
220 \$
TWIN HAMMER
ONE HAND CONTROL

Capacity Bolt Size	M 16
Square Drive	1/2"
Length	110 mm
Free Speed	9.500 RPM
Max. Torque	677 Nm
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1.50 Kg
Quantity/Box	10

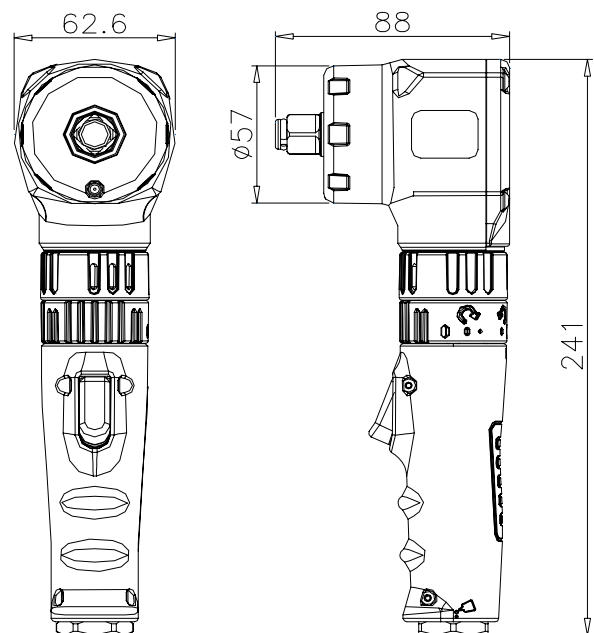




TWIN HAMMER	ONE HAND CONTROL
Capacity Bolt Size	M 14
Square Drive	1/2"
Length	88 mm
Free Speed	8.000 RPM
Max. Torque	445 Nm
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1.45 Kg
Quantity/Box	10

Specifications

- * An impact wrench with head height (working distance) of under 3.5" (88mm) and direct drive transmission mechanism allow you to safely use the powerful tool in tight and confined space
- * Ferrous cylinder increases service time
- * Feather touch trigger provide extramly precise & smooth speed control
- * Conveniently located forward/reverse ring can easily change the direction of the tool in tight space
- * 360 degree adjustable exhaust deflector directs air away from operators and workpiece



AT-2212
AIR IMPACT WRENCH 1/2"
300 \$

TWIN HAMMER	
Capacity Bolt Size	M 19
Square Drive	1/2"
Length	180 mm
Free Speed	8.000 RPM
Max. Torque	1.486 Nm
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	2,60 Kg
Quantity/Box	8


AT-6212
AIR IMPACT WRENCH 1/2"
300 \$

TWIN HAMMER	COMPOSITE BODY
Capacity Bolt Size	M 19
Square Drive	1/2"
Length	180 mm
Free Speed	8000 RPM
Max. Torque	1.486 Nm
Air Hose	10 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	2,00 Kg
Quantity/Box	10



OS-6812
AIR IMPACT WRENCH 90° 1/2"
360 \$

SINGLE HAMMER

Capacity Bolt Size	M 16
Square Drive	1/2"
Length	332 mm
Free Speed	6.000 RPM
Max. Torque Right~Left	271 Nm
Gradual Torque	61~271 NM
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,98 Kg
Quantity/Box	10

OS-5065
AIR IMPACT WRENCH 3/4"
375 \$

PIN HAMMER

Capacity Bolt Size	M 28
Square Drive	3/4"
Length	245 mm
Free Speed	4.800 RPM
Max. Torque	1085 NM
Air Hose	12 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	4,90 Kg
Quantity/Box	4

AT-300
AIR IMPACT WRENCH 3/4"
260 \$
TWIN HAMMER

Capacity Bolt Size	M 20
Square Drive	3/4"
Length	245 mm
Free Speed	6.000 RPM
Max. Torque	1.200 NM
Air Hose	13 mm
Air Consumption	133 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	4,80 Kg
Quantity/Box	4


AT-265
AIR IMPACT WRENCH 3/4"
320 \$
TWIN HAMMER

Capacity Bolt Size	M 30
Square Drive	3/4"
Length	245 mm
Free Speed	4.200 RPM
Max. Torque	1.600 NM
Air Hose	12 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	6,80 Kg
Quantity/Box	2



OS-2334

AIR IMPACT WRENCH 3/4"

700 \$



TWIN HAMMER	INDUSTRIAL
Capacity Bolt Size	M 32
Square Drive	3/4"
Length	330 mm
Free Speed	6.000 RPM
Max. Torque	1625 Nm
Air Hose	12 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	5,20 Kg
Quantity/Box	2



OS-2634
AIR IMPACT WRENCH 3/4"
600 \$
TWIN HAMMER

Capacity Bolt Size	M 32
Square Drive	3/4"
Length	210 mm
Free Speed	5.500 RPM
Max. Torque	1,780 NM
Air Hose	12 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	4,60 Kg
Quantity/Box	4


OS-2634L
AIR IMPACT WRENCH 3/4"
650 \$
TWIN HAMMER

Capacity Bolt Size	M 32
Square Drive	3/4"
Length	360 mm
Free Speed	5.500 RPM
Max. Torque	1,780 NM
Air Hose	12 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	4,75 Kg
Quantity/Box	4



OS-6234
AIR IMPACT WRENCH 3/4"
660 \$


TWIN HAMMER	COMPOSITE BODY
Capacity Bolt Size	M 36
Square Drive	3/4"
Length	210 mm
Free Speed	5.500 RPM
Max. Torque	1,848 Nm
Air Hose	12 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	4,20 Kg
Quantity/Box	4

OS-4153
AIR IMPACT WRENCH 3/4"
700 \$


TWIN HAMMER	COMPOSITE BODY
Capacity Bolt Size	M 36
Square Drive	3/4"
Length	210 mm
Free Speed	6.000 RPM
Max. Torque	2034 Nm
Air Hose	12 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	3,50 Kg
Quantity/Box	4

OS-2610
AIR IMPACT WRENCH 1"
670 \$
TWIN HAMMER

Capacity Bolt Size	M 32
Square Drive	1"
Length	210 mm
Free Speed	5.500 RPM
Max. Torque	1,780 Nm
Air Hose	12 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	5,00 Kg
Quantity/Box	4


AT-4000
AIR IMPACT WRENCH 1"
480 \$
TWIN HAMMER

Capacity Bolt Size	M 40
Square Drive	1"
Length	300 mm
Free Speed	4.000 RPM
Max. Torque	2.400 Nm
Air Hose	12 mm
Air Consumption	350 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/2"
Weight	9,00 Kg
Quantity/Box	2



OS-4074
AIR IMPACT WRENCH 1"
850 \$

TWIN HAMMER

Capacity Bolt Size	M 40
Square Drive	1"
Length	282 mm
Free Speed	6.000 RPM
Max. Torque	2.441 Nm
Air Hose	12 mm
Air Consumption	370 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/2"
Weight	7,30 Kg
Quantity/Box	2

OS-4075
AIR IMPACT WRENCH 1"
1,000 \$

TWIN HAMMER

Capacity Bolt Size	M 50
Square Drive	1"
Length	280 mm
Free Speed	5.000 RPM
Max. Torque	3.390 Nm
Air Hose	12 mm
Air Consumption	370 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/2"
Weight	9,90 Kg
Quantity/Box	2

OS-4075L
AIR IMPACT WRENCH 1"
1,100 \$
TWIN HAMMER

Capacity Bolt Size	M 50
Square Drive	1"
Length	400 mm
Free Speed	5.000 RPM
Max. Torque	3,390 Nm
Air Hose	12 mm
Air Consumption	370 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/2"
Weight	10,70 Kg
Quantity/Box	2


AT-5000
AIR IMPACT WRENCH 1"
450 \$
SINGLE HAMMER

Capacity Bolt Size	M 50
Square Drive	1"
Length	550 mm
Free Speed	3.900 RPM
Max. Torque	2,400 Nm
Air Hose	12 mm
Air Consumption	435 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/2"
Weight	13,40 Kg.
Quantity/Box	1



AT-9981-3

AIR IMPACT WRENCH 1"

580 \$



SINGLE HAMMER

Capacity Bolt Size	M 50
Square Drive	1"
Length	480 mm
Free Speed	3.200 RPM
Max. Torque	3,200 Nm
Air Hose	12 mm
Air Consumption	435 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/2"
Weight	16,00 Kg.
Quantity/Box	1

AT-9981

AIR IMPACT WRENCH 1" (WITH PLASTIC BAG)

600 \$



SINGLE HAMMER

Capacity Bolt Size	M 50
Square Drive	1"
Length	600 mm
Free Speed	3.200 RPM
Max. Torque	3,200 Nm
Air Hose	12 mm
Air Consumption	435 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/2"
Weight	16,00 Kg.
Quantity/Box	1

AT-7800
AIR IMPACT WRENCH 1"
750 \$
SINGLE HAMMER

Capacity Bolt Size	M 50
Square Drive	1"
Length	630 mm
Free Speed	3.000 RPM
Max. Torque	3.800 Nm
Air Hose	13 mm
Air Consumption	450 LT/Min.
Working Pressure	6,3 - 8,0 Bar
Air Inlet	1/2"
Weight	17,1 Kg
Quantity/Box	1


OS-220213
AIR IMPACT WRENCH 1"
1,550 \$
TWIN HAMMER

Capacity Bolt Size	M 55
Square Drive	1"
Length	600 mm
Free Speed	3.000 RPM
Max. Torque	3,390 Nm
Air Hose	12 mm
Air Consumption	435 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/2"
Weight	15,50 Kg
Quantity/Box	1





AT-1500

AIR IMPACT WRENCH 1-1/2"

1,350 \$



SINGLE HAMMER

Capacity Bolt Size	M 58
Square Drive	1-1/2"
Length	720 mm
Free Speed	2.800 RPM
Max. Torque	5,500 Nm
Air Hose	16 mm
Air Consumption	460 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/2"
Weight	20,00 Kg.
Quantity/Box	1





AIR RATCHET WRENCH



AT-5055
AIR RATCHET WRENCH 1/4"
60 \$


Capacity Bolt Size	M 8
Square Drive	1/4"
Length	170 mm
Free Speed	230 RPM
Max. Torque	27 Nm
Air Hose	8 mm
Air Consumption	90 LT/DK
Working Pressure	6,3-8,0 ATÜ
Air Inlet	1/4"
Weight	0,65 Kg
Quantity/Box	20 Adet

OS-3100S
AIR RATCHET WRENCH 1/4"
120 \$


Capacity Bolt Size	M 8
Square Drive	1/4"
Length	170 mm
Free Speed	300 RPM
Max. Torque	42 Nm
Air Hose	8 mm
Air Consumption	90 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,65 Kg
Quantity/Box	20

OS-8638S
AIR RATCHET WRENCH 3/8"
120 \$

ADJUSTABLE FREE SPEED


Capacity Bolt Size	M 8
Square Drive	3/8"
Length	170 mm
Free Speed	300 RPM
Max. Torque	42 Nm
Air Hose	8 mm
Air Consumption	90 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,65 Kg
Quantity/Box	20

AT-5056
AIR RATCHET WRENCH 1/2"
50 \$

Capacity Bolt Size	M 12
Square Drive	1/2"
Length	260 mm
Free Speed	160 RPM
Max. Torque	68 Nm
Air Hose	8 mm
Air Consumption	90 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,25 Kg
Quantity/Box	20


OS-8212L
AIR RATCHET WRENCH 1/2"
80 \$

Capacity Bolt Size	M 12
Square Drive	1/2"
Length	260 mm
Free Speed	160 RPM
Max. Torque	68 Nm
Air Hose	8 mm
Air Consumption	90 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,25 Kg
Quantity/Box	20


OS-8612L
AIR RATCHET WRENCH 1/2"
160 \$

Capacity Bolt Size	M 12
Square Drive	1/2"
Length	260 mm
Free Speed	220 RPM
Max. Torque	108 Nm
Air Hose	8 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,80 Kg
Quantity/Box	16



OS-8658M-4

AIR RATCHET WRENCH 1/2"

190 \$

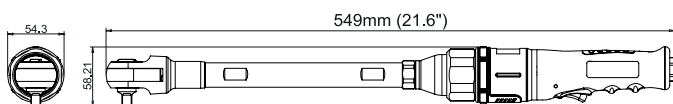


Capacity Bolt Size	M 12
Square Drive	1/2"
Length	316 mm
Working Torque Range	41-162 Nm
Max. Torque	189 Nm
Free Speed	200 RPM
Air Hose	10 mm (3/8")
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Sound Pressure	84 dBA
Standard bolt size	11 mm (7/16")
Air Inlet	1/4"
Weight	1,5 Kg
Quantity/Box	12

OS-8658M-224

AIR RATCHET WRENCH (LONG) 1/2"

300 \$



Capacity Bolt Size	M 12
Square Drive	1/2"
Length	549 mm
Working Torque Range	41-162 Nm
Max. Torque	176 Nm
Free Speed	200 RPM
Air Hose	10 mm (3/8")
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Sound Pressure	84 dBA
Standard bolt size	11 mm (7/16")
Air Inlet	1/4"
Weight	2,35 Kg
Quantity/Box	9

OS-8312L

THRU HOLE AIR RATCHET

245 \$



Capacity Bolt Size	M 10
Square Drive	1/4"
Length	210 mm
Free Speed	450 RPM
Max. Torque	41 Nm
Adapter Size	3/8" 10~12~13 Bits 1/4"
Air Hose	8 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,65 Kg
Quantity/Box	20



AIR DRILLS



OS-8210E

REVERSIBLE AIR DRILL 10 MM 3/8"

85 \$



REVERSIBLE WITH KEY CHUCK

Drilling Capacity	10 mm
Drill Size	0.80-10 mm 3/8x24 UNF
Length	180 mm
Free Speed	2000 RPM
Air Hose	10 mm
Air Consumption	270 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,20 Kg
Quantity/Box	10

OS-8210A

REVERSIBLE AIR DRILL 10 MM 3/8"

85 \$



REVERSIBLE WITH KEY CHUCK

Drilling Capacity	10 mm
Drill Size	0.80-10 mm 3/8x24 UNF
Length	180 mm
Free Speed	2000 RPM
Air Hose	10 mm
Air Consumption	270 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,20 Kg
Quantity/Box	10

OS-6338GL
AIR DRILL 10 MM
115 \$

REVERSIBLE AUTOMATIC DRILL COMPOSITE BODY	
Drilling Capacity	10 mm
Drill Size	0,8-10 mm 3/8x24 UNF
Length	165 mm
Free Speed	1.800 RPM
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,97 Kg
Quantity/Box	10


OS-8313E
AIR DRILL 13 MM
155 \$

REVERSIBLE AUTOMATIC DRILL	
Drilling Capacity	13 mm
Drill Size	2-13 mm 3/8x24 UNF
Length	215 mm
Free Speed	400 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,75 Kg
Quantity/Box	10



OS-230303R

AIR DRILL 13 MM

155 \$



REVERSIBLE AUTOMATIC DRILL

Drilling Capacity	13 mm
Drill Size	2-13 mm 3/8x24 UNF
Length	215 mm
Free Speed	800 RPM
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,75 Kg
Quantity/Box	10

OS-8313A

AIR DRILL 13 MM

155 \$



REVERSIBLE WITH KEY CHUCK

Drilling Capacity	13 mm
Drill Size	2-13 mm 3/8x24 UNF
Length	215 mm
Free Speed	400 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,75 Kg
Quantity/Box	10

OS-7575
AIR DRILL 10 MM
200 \$

REVERSIBLE AUTOMATIC DRILL COMPOSITE BODY	
Drilling Capacity	10 mm
Drill Size	0,8-10 mm 3/8x24 UNF
Length	185 mm
Free Speed	2.000 RPM
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	10


OS-709R
AIR DRILL 90°
185 \$

REVERSIBLE AUTOMATIC DRILL	
Drilling Capacity	10 mm
Drill Size	0,8-10 mm 3/8x24 UNF
Length	210 mm
Free Speed	1.500 RPM
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	10



OS-315SK

AIR STRAIGHT DRILL 10 MM

120 \$



AUTOMATIC DRILL

Drilling Capacity	10 mm
Drill Size	0,8-10 mm 3/8x24 UNF
Length	230 mm
Free Speed	2.500 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	20

OS-3900

AIR DRILL 16MM

1,100 \$



REVERSIBLE WITH KEY CHUCK

INDUSTRIAL

Drilling Capacity	16 mm
Length	420 mm
Free Speed	1.000 RPM
Air Hose	13 mm
Air Consumption	300 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	4,20 Kg
Quantity/Box	1



AIR SCREWDRIVERS



OS-8275
AIR SCREWDRIVER
210 \$

COMPOSITE BODY

Screw Size	6 mm
Square Drive	1/4"
Length	210 mm
Free Speed	1.800 RPM
Max. Torque	3~12 Nm
Air Hose	8 mm
Air Consumption	140 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	10

OS-8375
AIR SCREWDRIVER
240 \$

COMPOSITE BODY

Screw Size	8 mm
Square Drive	1/4"
Length	230 mm
Free Speed	800 RPM
Max. Torque	3~15 Nm
Air Hose	8 mm
Air Consumption	140 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,20 Kg
Quantity/Box	10

OS-9001-6
AIR SCREWDRIVER
125 \$

Screw Size	6 mm
Square Drive	1/4"
Length	235 mm
Free Speed	1.800 RPM
Max. Torque	5-12 Nm
Air Hose	8 mm
Air Consumption	140 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	10


OS-9002-8
AIR SCREWDRIVER
148 \$

Screw Size	8 mm
Square Drive	1/4"
Length	226 mm
Free Speed	800 RPM
Max. Torque	5-15 Nm
Air Hose	8 mm
Air Consumption	140 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,30 Kg
Quantity/Box	10



OS-8020
AIR SCREWDRIVER
130 \$

DIRECT DRIVE

Screw Size	6 mm
Square Drive	1/4"
Length	180 mm
Free Speed	1.800 RPM
Max. Torque	6 Nm
Air Hose	8 mm
Air Consumption	140 LT/DK
Working Pressure	6,3-8,0 ATÜ
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	10 Adet

OS-6338IS
AIR IMPACT SCREWDRIVER
135 \$


Capacity Bolt Size	M4-M5-M6
Square Drive	1/4"
Length	150 mm
Free Speed	12.500 RPM
Max. Torque	68 Nm
Air Hose	8 mm
Air Consumption	160 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,90 Kg
Quantity/Box	10

OS-9313
AIR SCREWDRIVER
138 \$

Screw Size	4 mm
Square Drive	1/4"
Length	235 mm
Free Speed	1.500 RPM
Max. Torque	1-3 Nm
Air Hose	8 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,61 Kg
Quantity/Box	20


OS-556K
AIR IMPACT SCREWDRIVER
135 \$

Capacity Bolt Size	M4-M5-M6
Square Drive	1/4"
Length	185 mm
Free Speed	10.000 RPM
Max. Torque	8 Nm
Air Hose	10 mm
Air Consumption	125 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,90 Kg
Quantity/Box	20



OS-842
AIR SCREWDRIVER
160 \$


Screw Size	6 mm
Square Drive	1/4"
Length	235 mm
Free Speed	1.800 RPM
Max. Torque	5-12 Nm
Air Hose	8 mm
Air Consumption	140 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	10

OS-843
AIR SCREWDRIVER
190 \$


Screw Size	8 mm
Square Drive	1/4"
Length	226 mm
Free Speed	800 RPM
Max. Torque	5-15 Nm
Air Hose	8 mm
Air Consumption	140 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,20 Kg
Quantity/Box	10



AIR GRINDERS



AT-7033
AIR DIE GRINDER
30 \$


Collet Diameter	6 mm (3mm*)
Length	170 mm
Free Speed	22.000 RPM
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	20

AT-7033K
AIR DIE GRINDER SET
38 \$


Collet Diameter	6 mm (3mm*)
Length	170 mm
Set Content	10 grinders/3mm. Collet size
Free Speed	22.000 RPM
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	20

OS-3312
AIR DIE GRINDER
50 \$

Collet Diameter	6 mm (3mm*)
Length	170 mm
Free Speed	22.000 RPM
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	20


OS-308XP
AIR DIE GRINDER
95 \$
FRONT EXHAUST

Collet Diameter	6 mm (3mm*)
Length	153 mm
Free Speed	22.000 RPM
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,60 Kg
Quantity/Box	30



OS-8714

AIR DIE GRINDER

65 \$



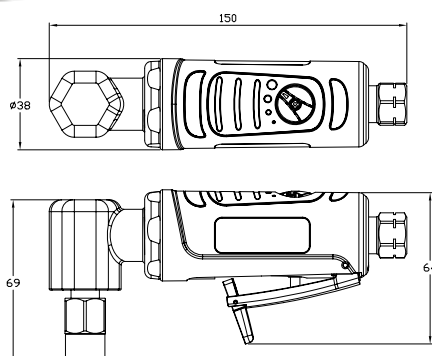
Collet Diameter	6 mm (3mm*)
Length	151 mm
Free Speed	25.000 RPM
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	30

- Adjustable Free Speed

OS-8714A-22

AIR DIE GRINDER

96 \$



90° Degree	
Collet Diameter	6 mm (3mm*)
Length	175 mm
Free Speed	22.000 RPM
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	30

OS-245A
AIR DIE GRINDER
105 \$

Collet Diameter	6 mm (3mm*)
Length	210 mm
Free Speed	2.600 RPM
Power	0.45 HP
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	12


OS-315B
AIR TYRE BUFFER
130 \$

Pens	Quick Socket
Length	175 mm
Free Speed	2.500 RPM
Air Hose	10 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,95 Kg
Quantity/Box	20



OS-200AL
AIR DIE GRINDER
135 \$


Collet Diameter	6 mm (3mm*)
Length	240 mm
Free Speed	22.000 RPM
Power	0.45 HP
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,80 Kg
Quantity/Box	12

OS-200L
AIR DIE GRINDER
145 \$


Collet Diameter	6 mm (3mm*)
Length	285 mm
Free Speed	22.000 RPM
Power	0.50 HP
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,80 Kg
Quantity/Box	12

OS-1027
AIR DIE GRINDER
245 \$
INDUSTRIAL / SIDE EXHAUST

Collet Diameter	6 mm (3mm*)
Length	165 mm
Free Speed	20.000 RPM
Power	0.45 HP
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	20


OS-5261
AIR DIE GRINDER
375 \$
INDUSTRIAL / FRONT EXHAUST

Collet Diameter	6 mm (3mm*)
Length	300 mm
Free Speed	24.000 RPM
Power	0.35 HP
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,00 Kg
Quantity/Box	10



OS-613-2L

AIR DIE GRINDER

360 \$



Collet Diameter	3 mm
Length	150 mm
Free Speed	30.000 RPM
Power	0.35 HP
Air Hose	8 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,40 Kg
Quantity/Box	10

OS-212M

AIR ANGLE DIE GRINDER

245 \$



Collet Diameter	3 mm
Grinding Wheel	30 mm
Length	140 mm
Air Hose Length	150 mm
Free Speed	22.000 RPM
Air Hose	8 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,35 Kg
Quantity/Box	20

OS-8301-70
MICRO AIR DIE GRINDER
210 \$

Collet Diameter	3 mm
Length	150 mm
Free Speed	70.000 RPM
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,30 Kg
Quantity/Box	18


OS-8301-54
MICRO AIR DIE GRINDER
160 \$

Collet Diameter	3 mm
Length	150 mm
Free Speed	54.000 RPM
Air Hose	8 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,30 Kg
Quantity/Box	18


OS-3570
MICRO AIR DIE GRINDER
210 \$

Collet Diameter	3 mm
Length	150 mm
Free Speed	70.000 RPM
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,30 Kg
Quantity/Box	10



AT-3100K
MICRO AIR DIE GRINDER
120 \$


Collet Diameter (Mandren)	0,5~5 mm
Length	160 mm
Free Speed	35.000 RPM
Air Hose	8 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,50 Kg
Quantity/Box	10

AT-010K
MICRO AIR DIE GRINDER
85 \$


Collet Diameter	3 mm
Length	134 mm
Free Speed	54.000 RPM
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,20 Kg
Quantity/Box	10

OS-169
AIR WATER GRINDER
530 \$


Sanding Pad	4" - 100 mm
Metric Size	M14
Length	250 mm
Free Speed	4,500 RPM
Power	0.43 HP (321W)
Air Hose	10 mm
Air Consumption	160 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,17 Kg
Quantity/Box	10

OS-230
AIR ANGLE GRINDER MINI
120 \$

Grinding Wheel	50 mm
Length	180 mm
Free Speed	15.000 RPM
Power	0.45 HP
Air Hose	10 mm
Air Consumption	160 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,80 Kg
Quantity/Box	12


OS-16850L
AIR ANGLE GRINDER 5" 115 MM
180 \$

Grinding Wheel	115 mm
Length	230 mm
Free Speed	12.000 RPM
Air Hose	12 mm
Air Consumption	235 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,85 Kg
Quantity/Box	10


OS-16840L
AIR ANGLE GRINDER 5" 115 MM
135 \$

Grinding Wheel	115 mm
Length	225 mm
Free Speed	11.000 RPM
Air Hose	12 mm
Air Consumption	235 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,70 Kg
Quantity/Box	10



OS-105B
AIR ANGLE GRINDER 5" 115 MM
395 \$


Grinding Wheel	115 mm
Length	246 mm
Free Speed	10.900 RPM
Power	0,75 HP
Air Hose	10 mm
Air Consumption	320 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,40 Kg
Quantity/Box	10

OS-107B
AIR ANGLE GRINDER 7" 180 MM
600 \$


Grinding Wheel	180 mm
Length	253 mm
Free Speed	7.600 RPM
Power	1.6 HP
Air Hose	12 mm
Air Consumption	340 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	3,00 Kg
Quantity/Box	6



AIR SANDERS



OS-5526S
AIR SANDER
265 \$


Sanding Pad	5" 125 mm
Length	155 mm
Free Speed	2.600 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	2,00 Kg
Quantity/Box	2

OS-416
JITTEBURG AIR SANDER
120 \$


Sanding Pad	95x165 mm
Motion	5 mm
Length	180 mm
Free Speed	8.000 RPM
Air Hose	10 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Weight	1,80 Kg
Quantity/Box	10

AT-980-6V
AIR ORBITAL SANDER 6" 150mm
95 \$

Sanding Pad	150 mm (125*)
Vibration	2 mm
Orbital	5 mm
Free Speed	165 mm
Power	9.000 RPM
Air Hose	10 mm
Air Consumption	150 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,00 Kg
Quantity/Box	10



- Adjustable Free Speed

AT-991L
AIR ORBITAL SANDER
140 \$

Sanding Pad	150 mm (125*)
Vibration	2 mm
Orbital	5 mm
Free Speed	176 mm
Power	12.000 RPM
Air Hose	10 mm
Air Consumption	150 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,80 Kg
Quantity/Box	10



- Adjustable Free Speed

OS-6133A
AIR ORBITAL SANDER
234 \$


Sanding Pad	150 mm (125*)
Vibration	2 mm
Orbital	5 mm
Free Speed	187 mm
Power	12.000 RPM
Air Hose	10 mm
Air Consumption	150 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,85 Kg
Quantity/Box	6

- Adjustable Free Speed

OS-601S
AIR ORBITAL SANDER
230 \$


Sanding Pad	150 mm (125*)
Vibration	2 mm
Orbital	5 mm
Free Speed	180 mm
Power	12.000 RPM
Air Hose	10 mm
Air Consumption	150 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,85 Kg
Quantity/Box	6

- Adjustable Free Speed

OS-300S
AIR ORBITAL SANDER
210 \$

Sanding Pad	75 mm
Vibration	2 mm
Orbital	5 mm
Free Speed	180 mm
Power	12.000 RPM
Air Hose	10 mm
Air Consumption	150 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,65 Kg
Quantity/Box	6

- Adjustable Free Speed


OS-6233A
AIR ORBITAL SANDER
280 \$

Sanding Pad	150 mm (125*)
Vibration	2 mm
Orbital	2,5 mm
Free Speed	187 mm
Power	12.000 RPM
Air Hose	10 mm
Air Consumption	150 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,85 Kg
Quantity/Box	6

- Adjustable Free Speed



OS-6133NV

AIR ORBITAL SANDER

188 \$



Sanding Pad	150 mm (125*)
Vibration	2 mm
Orbital	5 mm
Free Speed	146 mm
Power	12.000 RPM
Air Hose	10 mm
Air Consumption	150 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,60 Kg
Quantity/Box	6

- Adjustable Free Speed

OS-430

STRAIGHT LINE AIR SANDER

220 \$



Sander Size	70x400 mm
Lenght	410 mm
Free Speed	3.000 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	3,00 Kg
Quantity/Box	6

OS-6338P
AIR SANDER MINI (POLISHER)
135 \$

(POLISHER)	
Sander Size	3" 75 mm
Lenght	150 mm
Free Speed	2.200 RPM
Air Hose	10 mm
Air Consumption	160 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	10


OS-6338RO
AIR SANDER MINI
135 \$

Sander Size	3" 75 mm
Lenght	150 mm
Free Speed	15.000 RPM
Air Hose	10 mm
Air Consumption	160 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	10



OS-6338S

AIR SANDER MINI

135 \$



Sander Size	3" 75 mm
Lenght	150 mm
Free Speed	16.000 RPM
Air Hose	10 mm
Air Consumption	160 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,70 Kg
Quantity/Box	10

OS-382N

AIR SANDER WITH BELT

185 \$



Sander Size	10x330 mm
Lenght	280 mm
Free Speed	18.000 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,80 Kg
Quantity/Box	10

OS-383N
AIR SANDER WITH BELT
275 \$

Sander Size	20X520 mm
Lenght	360 mm
Free Speed	16.000 RPM
Air Hose	10 mm
Air Consumption	250 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,20 Kg
Quantity/Box	10


OS-385N
AIR SANDER WITH BELT
520 \$

Sander Size	30x540 mm
Lenght	420 mm
Free Speed	12.000 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	2,30 Kg
Quantity/Box	6



F 602

SANDING PAD 50 mm < 6,00 \$



Quantity/Box 100

F 603-1

SANDING PAD 75 mm < 6,50 \$



Quantity/Box 100

SANDING PAD (pinned) <



CODE	PRODUCT		PRICE \$
F 506-2	6 mm / 50 mm	100	5,50
F 506-3	6 mm / 75 mm	100	5,50

F 804

SANDING PAD M14 115 mm < 7,50 \$



Quantity/Box 100

F 905 SANDING PAD M14 125 mm < 10 \$


Quantity/Box	100
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F 906 SANDING PAD M14 150 mm < 10 \$


Quantity/Box	100
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F 907 SANDING PAD M14 180 mm < 13 \$


Quantity/Box	100
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F 606-6 SANDING PAD 150 mm < 6,50 \$


Quantity/Box	100
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F 605-3 SANDING PAD 125 mm (8 HOLE) < 6,50 \$


Quantity/Box	100
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F 606-7 SANDING PAD 150 mm (6 HOLE) < 6,50 \$


Quantity/Box	100
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F 606-8 STICKY PAD 150 mm (6 HOLE) < 7 \$


Quantity/Box	100
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F 606-10 SANDING PAD 150 mm < 10 \$


Quantity/Box	100
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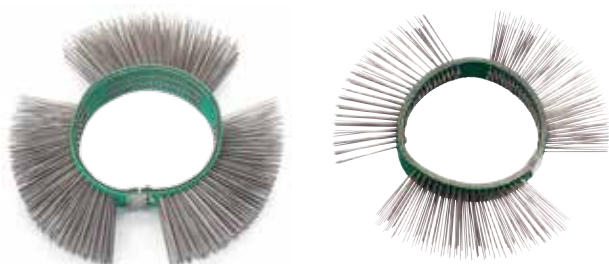
UTILITY SURFACE BLASTER AIR FILE AIR SAW



OS-6902
UTILITY SURFACE BLASTER
400 \$


Wire Diameters	11mm / 23 mm
Lenght	280 mm
Free Speed	3.500 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,20 Kg
Quantity/Box	10

Wire brush and adaptor not included in price

FINE BRUSHES


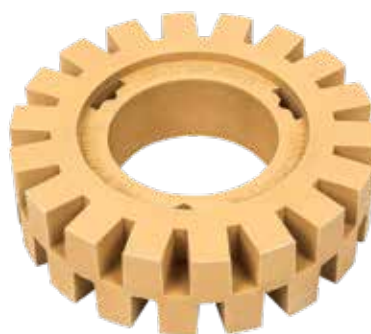
CODE	PRODUCT	PRICE \$
OS-0511	Fine Brush 11 mm	24,00
OS-0523	Fine Brush 23 mm	24,00

COARSE BRUSHES


CODE	PRODUCT	PRICE \$
OS-0711	Coarse Brush 11 mm	24,00
OS-0723	Coarse Brush 23 mm	24,00

ADAPTORS


CODE	PRODUCT	PRICE \$
OS-6902 WH	Adaptor 11 mm	24,00
OS-6902 RH	Adaptor 23 mm	24,00

OS-6902 RW
RUBBER WHEEL
30 \$


OS-7802
AIR DRILL
550 \$

Drilling Diameter	ø6,3- ø8,3- ø10,3x47L
Feature	3 Motion / 360°
Lenght	349 mm
Free Speed	800 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	2,50 Kg
Quantity/Box	1


OS-3899
AIR DRILL
400 \$

Drilling Diameter	ø6,3- ø8,3- ø10,3x47L
Feature	3 Motion / 360°
Lenght	252 mm
Free Speed	1.100 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,85 Kg
Quantity/Box	1



OS-309H
AIR FILE
315 \$

3 PC. SPARE FILE

Piston Strok	1 mm
Lenght	202 mm
Strokes per minutes	21.000 B.P.M./Min.
Vibration	< 2.5 m/S2
Air Hose	10 mm
Air Consumption	160 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,57 Kg
Quantity/Box	20

OS-308
AIR FILE
158 \$

4 PC. SPARE FILE

Strok	9,00 mm
Lenght	185 mm
Strokes per minutes	3.700 B.P.M./Min.
Air Hose	10 mm
Air Consumption	165 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,50 Kg
Quantity/Box	10

OS-92019
AIR SAW
230 \$


Cutting Capacity	Mild steel 6 mm Steel pipe 80 mm
Motion	11 mm
Lenght	270 mm
Strokes per minutes	5.000 B.P.M./Min.
Air Hose	10 mm
Air Consumption	210 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,20 Kg
Quantity/Box	10

PT-301
AIR SAW
126 \$

Cutting Capacity	Steel 1,2mm-Shear 1,6mm-Alu.2,00mm
Motion	10 mm
Lenght	235 mm
Accessory	24T-32T Spare Saw
Strokes per minute	9.000 B.P.M./Min.
Air Hose	10 mm
Air Consumption	115 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,55 Kg
Quantity/Box	20


OS-311M
AIR SAW
195 \$
SILENT

Cutting Capacity	Steel 1,2mm-Shear 1,6mm-Alu.2,00mm
Motion	10 mm
Lenght	180 mm
Accessory	18T-24T-32T Spare Saw
Strokes per minutes	10.000 B.P.M./Min.
Air Hose	10 mm
Air Consumption	115 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,50 Kg
Quantity/Box	20


AIR SAW SPARE SAW

CODE	PRODUCT	NUMBER OF TEETH		PACKAGE PRICE / \$
PT 301-35A	Spare Saw	32	10	21 \$



OS-307
AIR KNIFE
185 \$


Motion	3,00
Lenght	210 mm
Free Speed	20.000 RPM
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,20 Kg
Quantity/Box	10

K04A
KNIFE 8mm
20 \$

K01B
KNIFE 90mm
28 \$

K02B
KNIFE 36mm
28 \$

K01A
KNIFE 57mm
20 \$

K03A
KNIFE 30mm
20 \$

K02LB
KNIFE 36mm
28 \$


OS-573
AIR ENGRAVING STYLUS
173 \$

Motion	1,2 mm
Lenght	171 mm
Free Speed	3.800 B.P.M./Min.
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,20 Kg
Quantity/Box	10


AT-8016
AIR NAILER
95 \$

Capacity	100 Nail
Lenght	205 mm
Nail	8x4 - 8x16 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	4-7 Bar
Air Inlet	1/4"
Weight	0,87 Kg
Quantity/Box	10



OS-233

AIR DENT PULLER

270 \$



1.36 KG Sliding hammer

3 Part Base 60mm.120mm 150mm

Air evacuation

Air Hose and ¼ Valve

Weight : 2.60 Kg.

Quantity/Box : 4

OS-0201K

AIR SUCTION / BLOW GUN

50 \$



Quantity/Box

20



AIR HAMMER



OS-2200
AIR SCALING HAMMER
225 \$


Piston Size	15 mm
Lenght	566 mm
Strokes per minutes	7.000 B.P.M./Min.
Air Hose	10 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,80 Kg
Quantity/Box	6

OS-288F
AIR HAMMER
150 \$


Piston Size	18 mm
Motion	32 mm
Lenght	175 mm
Strokes per minutes	4.800 B.P.M./Min.
Air Hose	10 mm
Air Consumption	160 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	10

OS-204R
NEEDLE SCALER
96 \$

Piston Size	20 mm
Motion	43 mm
Pin Size	3x180 mm
Lenght	400 mm
Strokes per minutes	3,200 B.P.M./Min.
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	2,20 Kg
Quantity/Box	10


OS-2110
NEEDLE SCALER
234 \$

Piston Size	20 mm
Motion	16 mm
Pin Size	3x180 mm
Lenght	331 mm
Strokes per minutes	3,700 B.P.M./Min.
Air Hose	10 mm
Air Consumption	220 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	3/8"
Weight	2,60 Kg
Quantity/Box	6



AT-2020
AIR HAMMER
75 \$

175 mm

Piston Size	19,05 mm
Motion	66 mm
Lenght	190 mm
Strokes per minutes	3.000 B.P.M./Min.
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Impact Joule Value	7,8 Joule
Air Inlet	1/4"
Weight	2,00 Kg
Quantity/Box	5

OS-275HK
AIR HAMMER
113 \$

175 mm

Piston Size	19,05 mm
Motion	66 mm
Lenght	190 mm
Strokes per minutes	3.000 B.P.M./Min.
Air Hose	10 mm
Air Consumption	180 LT/Min.
Working Pressure	6,3-8,0 Bar
Impact Joule Value	7,8 Joule
Air Inlet	1/4"
Weight	2,00 Kg
Quantity/Box	6

ACL-002
CHISEL POINT SET FLAT
15 \$

Suitable for:
AT-2020, OS-275HK


ACL-004
CHISEL POINT SET FLAT
27,50 \$

Suitable for:
AT-2020, OS-275HK


SRT-001
SPRING RETAINER
4,50 \$

Suitable for:
AT-2020, OS-275HK



OS-123R
AIR HAMMER
360 \$


Piston Size	6 mm
Motion	38 mm
Strokes per minutes	3000 B.P.M./Min.
Lenght	277 mm
Air Hose	10 mm
Air Consumption	450 LT/Min.
Working Pressure	6,3-8,0 Bar
Impact Joule Value	6,6 Joule
Air Inlet	1/4"
Weight	2,30 Kg
Quantity/Box	2

CHISEL POINT - FLAT

 Suitable for:
OS-123R


CODE	PRODUCT	PRICE \$
SA-0123RPC	Chisel Point	26,40
SA-0123RFC	Chisel Flat	26,40

C-400024
SPRING RETAINER
9,70 \$

 Suitable for:
OS-123R


OS-200V
AIR HAMMER
590 \$

Rivet Size	7.7 mm
Strokes Length	76 mm
Strokes per minutes	2300 B.P.M./Min.
Length	369 mm
Air Hose	13 mm
Air Consumption	165 LT/Min.
Working Pressure	6,3-8,0 Bar
Impact Joule Value	22,9 Joule
Air Inlet	3/8"
Weight	7,70 Kg
Quantity/Box	1


OS-400V
AIR HAMMER
700 \$

Rivet Size	13 mm
Strokes Length	108 mm
Strokes per minutes	1700 B.P.M./Min.
Length	426 mm
Air Hose	13 mm
Air Consumption	211 LT/Min.
Working Pressure	6,3-8,0 Bar
Impact Joule Value	30,46 Joule
Air Inlet	3/8"
Weight	8,90 Kg
Quantity/Box	1


CHISEL POINT - FLAT

Suitable for:
OS-200V
OS-400V



CODE	PRODUCT	LENGTH	PRICE \$
DH-300V28-00	Chisel Point	40 cm	38,50
DH-300V28-20	Chisel Flat	40 cm	38,50



RECOMMENDED ACCESSORIES





AIR NIBBLER & AIR NIPPER



OS-402
AIR NIPPER
155 \$


Cutting Capacity	Steel 0,50mm/Shear 1,00mm/Alu.1,26mm
Motion	10 mm
Lenght	140 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,15 Kg
Quantity/Box	20

OS-604
AIR NIPPER
170 \$


Cutting Capacity	Demir 1mm/BShear 1,60mm/Alu.2,26mm
Motion	10 mm
Lenght	160 mm
Air Hose	8 mm
Air Consumption	80 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,20 Kg
Quantity/Box	20

OS-1405
AIR NIPPER
300 \$

Cutting Capacity	Steel 2mm/Shear 2,60mm/Alu.3,26mm
Motion	10 mm
Lenght	200 mm
Air Hose	8 mm
Air Consumption	90 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,35 Kg
Quantity/Box	10


OS-3008
AIR NIPPER
470 \$

Cutting Capacity	Steel 2,90mm/Shear 3,30mm/Alu.3,26mm
Motion	10 mm
Lenght	240 mm
Air Hose	8 mm
Air Consumption	90 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,50 Kg
Quantity/Box	10



OS-304
AIR NIBBLER
160 \$


Cutting Capacity	Steel 1,00mm Steel 1,60mm / Alu. 2,00mm
Lenght	150 mm
Cutting Speed	3.200 B.P.M./Min.
Air Hose	10 mm
Air Consumption	115 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,20 Kg
Quantity/Box	20

OS-306S
AIR NIBBLER
140 \$


Cutting Capacity	Steel 1,20mm / Alu. 2,00mm
Lenght	290 mm
Cutting Speed	2.600 B.P.M./Min.
Air Hose	10 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,15 Kg
Quantity/Box	10

OS-315S
AIR NIBBLER
140 \$


Cutting Capacity	Steel 1,2mm /Alu. 2,00 mm
Lenght	290 mm
Cutting Speed	2.600 B.P.M./Min.
Air Hose	10 mm
Air Consumption	120 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,00 Kg
Quantity/Box	10



**AIR CULking GUN AIR
GREASE GUN AIR
HYDROULIC RIVETER**



OS-2032 ML-13

AIR CULKING GUN

220 \$



Tube Size	50 x 500 mm
Cartridge	400-600 ml
Air Hose	6 mm
Working Pressure	4-6,3 Bar
Air Inlet	1/4"
Weight	1,00 Kg
Quantity/Box	10

OS-299T

AIR CULKING GUN (SMALL)

100 \$



Tube Size	50 x 325 mm
Cartridge	Max. 300 ml
Air Hose	8 mm
Working Pressure	4-6 Bar
Air Inlet	1/4"
Weight	1,60 Kg
Quantity/Box	10

OS-25054M

AIR CULKING GUN

55 \$



Lenght	305 mm
Air Hose	8 mm
Air Consumption	50 LT/Min.
Working Pressure	5,0-7,0 Bar
Air Inlet	1/4"
Weight	0,40 Kg
Quantity/Box	10

OS-250518
AIR GREASE GUN
64 \$

Capacity	500 CC
Lenght	600 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	5,0-8,0 Bar
Air Inlet	1/4"
Weight	0,50 Kg
Quantity/Box	10

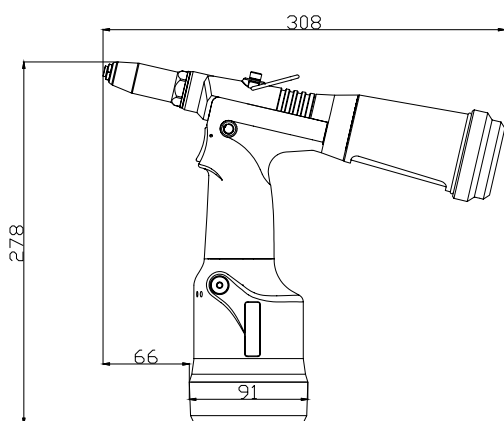

AHR-101
AIR HYDROULIC RIVETER
140 \$

Traction Power	1200 kg
Blind Rivet Setting Capacity	2,4-3,2-4,0-4,8 mm
Rivet Material	Aluminum
Lenght	270 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,50 Kg
Quantity/Box	10


AHR-101K
AIR HYDROULIC RIVETER SET
205 \$

Traction Power	1200 kg
Blind Rivet Setting Capacity	2,4-3,2-4,0-4,8 mm
Rivet Material	Aluminum
Lenght	270 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,50 Kg
Quantity/Box	4

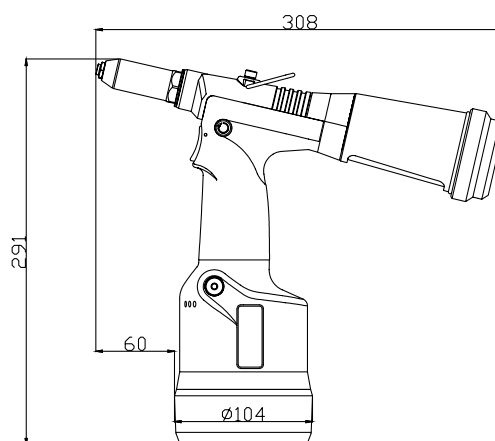


OS-1510 AIR HYDROULIC RIVETER < 460 \$


ATTENTION: The tensile strength of the Pop Rivet you use must be below the tensile capacity of the product.

VACUUM

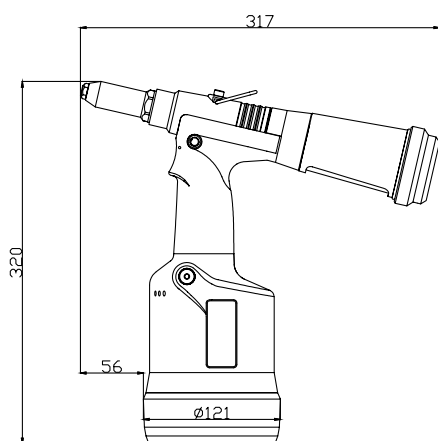
Traction Power	7.0 KN.
Blind Rivet Setting Capacity	2,4-3,2-4,0-4,8 mm
Rivet Material	Alu. - Steel
Lenght	270 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	5,0-7,0 Bar
Air Inlet	1/4"
Weight	1,10 Kg
Quantity/Box	4

OS-1520 AIR HYDROULIC RIVETER < 540 \$


ATTENTION: The tensile strength of the Pop Rivet you use must be below the tensile capacity of the product.

VACUUM

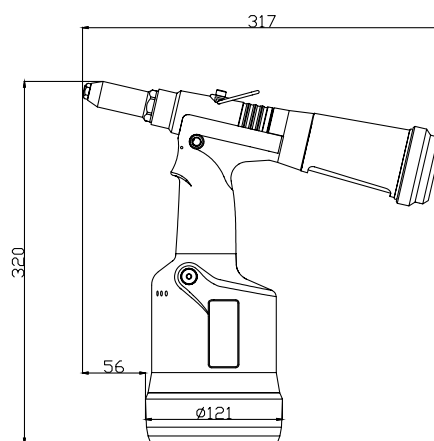
Traction Power	10,0 KN.
Blind Rivet Setting Capacity	3,2-4,0-5,0 mm
Rivet Material	Alu.-Copper-Steel
Lenght	270 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	5,0-7,0 Bar
Air Inlet	1/4"
Weight	1,50 Kg
Quantity/Box	4

OS-1530 AIR HYDROULIC RIVETER < 680 \$


ATTENTION: The tensile strength of the Pop Rivet you use must be below the tensile capacity of the product.

VACUUM

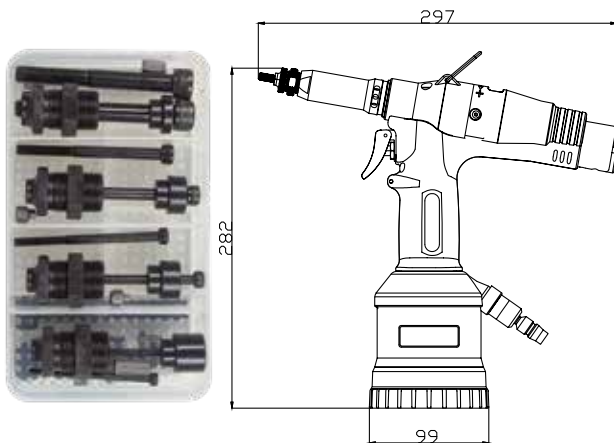
Traction Power	15,30 KN.
Blind Rivet Setting Capacity	4,0-5,0-6,4 mm
Rivet Material	Alu.-Copper-Steel-Monobold
Lenght	310 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	5,0-7,0 Bar
Air Inlet	1/4"
Weight	1,60 Kg
Quantity/Box	4

OS-1540 AIR HYDROULIC RIVETER < 710 \$


ATTENTION: The tensile strength of the Pop Rivet you use must be below the tensile capacity of the product.

VACUUM

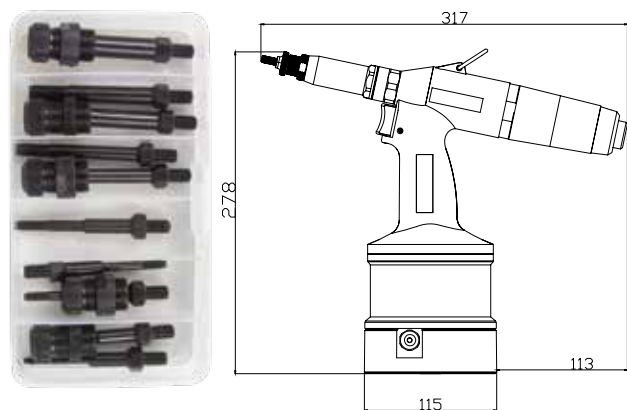
Traction Power	18,0 KN.
Blind Rivet Setting Capacity	4,8-6,4 mm
Rivet Material	Alu.-Copper-Steel-Hemlok
Lenght	310 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	5,0-7,0 Bar
Air Inlet	1/4"
Weight	1,60 Kg
Quantity/Box	4

OS-1560F AIR RIVET NUT TOOL 1,480 \$


ATTENTION: The tensile strength of the Pop Rivet you use must be below the tensile capacity of the product.

M3-10

Traction Power	20,50 KN.
Blind Rivet Setting Capacity	M3-4-5-6-8-10 mm
Rivet Material	Alu.-Copper-Steel
Lenght	310 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	5,0-7,0 Bar
Air Inlet	1/4"
Weight	2,10 Kg
Quantity/Box	1
Standard Accessories:	4 - 5 - 6 - 8 - 10 mm Connector

OS-1550W AIR RIVET NUT TOOL 1,690 \$


ATTENTION: The tensile strength of the Pop Rivet you use must be below the tensile capacity of the product.

M4-12

Traction Power	30.50 KN.
Blind Rivet Setting Capacity	M4-5-6-8-10-12 mm
Rivet Material	Alu.-Copper-Steel
Lenght	310 mm
Air Hose	8 mm
Air Consumption	60 LT/Min.
Working Pressure	5,0-7,0 Bar
Air Inlet	1/4"
Weight	2,46 Kg
Quantity/Box	1
Standard Accessories:	4 - 5 - 6 - 8 - 10 mm Connector

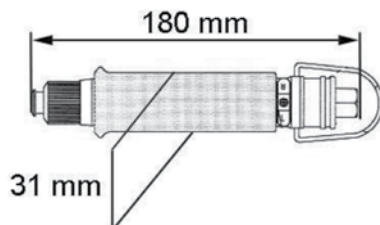


SHUT-OFF SCREWDRIVERS



OS-38PB
AIR SCREWDRIVER (SHUT-OFF)
580 \$

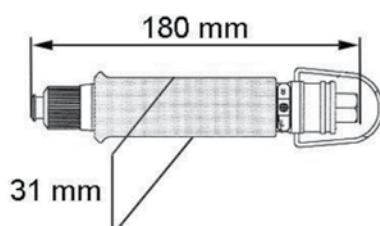
- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window


SHUT-OFF

Screw Size	2,2-4,5 mm
Socket	1/4" Hex
Lenght	180 mm
Free Speed	1.800 RPM
Max.Tork	0,3-2,5 Nm
Air Hose	10 mm
Air Consumption	220 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,44 Kg
Quantity/Box	12

OS-40PB
AIR SCREWDRIVER (SHUT-OFF)
580 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window

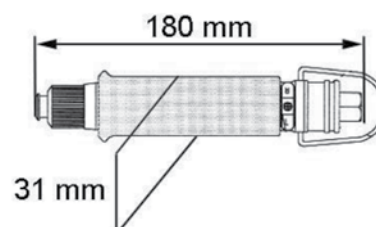

SHUT-OFF

Screw Size	2,8-5,0 mm
Socket	1/4" Hex
Lenght	180 mm
Free Speed	1.000 RPM
Max.Tork	0,50-3,0 Nm
Air Hose	10 mm
Air Consumption	220 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,44 Kg
Quantity/Box	12

OS-50PB
AIR SCREWDRIVER (SHUT-OFF)
599 \$

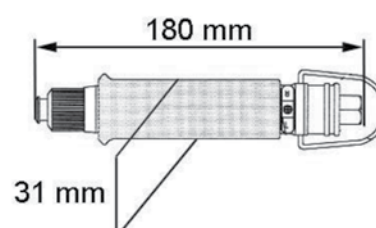
- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window

SHUT-OFF	
Screw Size	2,9-6,0 mm
Socket	1/4" Hex
Lenght	180 mm
Free Speed	1.400 RPM
Max.Tork	0,7-5,0 Nm
Air Hose	10 mm
Air Consumption	220 LT/Min.
Sound	76 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,77 Kg
Quantity/Box	12


OS-60PB
AIR SCREWDRIVER (SHUT-OFF)
599 \$

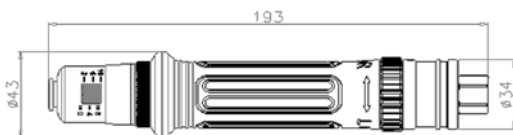
- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window

SHUT-OFF	
Screw Size	4,1-7,0 mm
Socket	1/4" Hex
Lenght	180 mm
Free Speed	550 RPM
Max.Tork	1,5-10,0 Nm
Air Hose	10 mm
Air Consumption	220 LT/Min.
Sound	76 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,77 Kg
Quantity/Box	12



OS-30PS
AIR SCREWDRIVER (SHUT-OFF)
620 \$

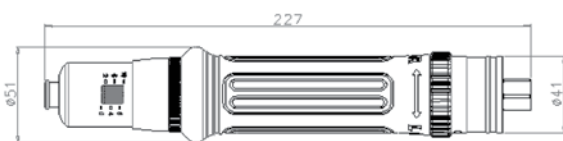
- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window


SHUT-OFF

Screw Size	M 2,2 - M 4,2
Socket	1/4" Hex
Lenght	193 mm
Free Speed	2,000 RPM
Max.Tork	0,3-1,7 Nm
Air Hose	6 mm
Air Consumption	280 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,52 Kg
Quantity/Box	12

OS-48PS
AIR SCREWDRIVER (SHUT-OFF)
640 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window


SHUT-OFF

Screw Size	M 2,8 - M 5,8
Socket	1/4" Hex
Lenght	227 mm
Free Speed	1,800 RPM
Max.Tork	0,5-4,5 Nm
Air Hose	8 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,84 Kg
Quantity/Box	12

OS-55PS
AIR SCREWDRIVER (SHUT-OFF)
690 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window

SHUT-OFF

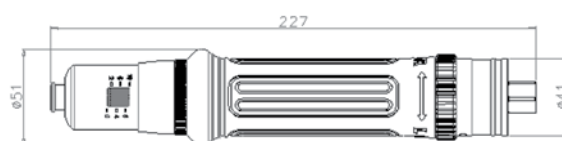
Screw Size	M 2,9 - M 6,4
Socket	1/4" Hex
Lenght	227 mm
Free Speed	900 RPM
Max.Tork	0,7-6,5 Nm
Air Hose	8 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,84 Kg
Quantity/Box	12


OS-60PS
AIR SCREWDRIVER (SHUT-OFF)
720 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window

SHUT-OFF

Screw Size	M 4,1 - M 7,0
Socket	1/4" Hex
Lenght	227 mm
Free Speed	550 RPM
Max.Tork	1,5-10 Nm
Air Hose	8 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,84 Kg
Quantity/Box	12



OS-30PGS-25
AIR AUTO SHUT-OFF PISTOL SCREWDRIVER
670 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window
- With 3 air inlets for versatile Access. With progressive trigger


SHUT-OFF

Screw Size	M 2,2 - M 4,7
Socket	1/4" Hex
Lenght	192 mm
Free Speed	2,200 RPM
Max.Tork	0,3-2,5 Nm
Air Hose	6 mm
Air Consumption	280 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	0,76 Kg
Quantity/Box	12

OS-48PGS
AIR AUTO SHUT-OFF PISTOL SCREWDRIVER
750 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window
- With 3 air inlets for versatile Access. With progressive trigger


SHUT-OFF

Screw Size	M 2,8 - M 5,8
Socket	1/4" Hex
Lenght	227 mm
Free Speed	1,800 RPM
Max.Tork	0,5-4,5 Nm
Air Hose	8 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,11 Kg
Quantity/Box	12

OS-60PGS
AIR AUTO SHUT-OFF PISTOL SCREWDRIVER
800 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window
- With 3 air inlets for versatile Access. With progressive trigger

SHUT-OFF

Screw Size	M 4,1 - M 7,0
Socket	1/4" Hex
Lenght	227 mm
Free Speed	550 RPM
Max.Tork	1,5-10 Nm
Air Hose	8 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,11 Kg
Quantity/Box	12


OS-65PGS
AIR AUTO SHUT-OFF PISTOL SCREWDRIVER
890 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- With torque fix system for easy to mark the torque through the window
- With 3 air inlets for versatile Access. With progressive trigger

SHUT-OFF

Screw Size	M 5,0 - M 9,3
Socket	1/4" Hex
Lenght	231 mm
Free Speed	300 RPM
Max.Tork	3,0-18 Nm
Air Hose	10 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,45 Kg
Quantity/Box	12



OS-48AB
AIR AUTO SHUT-OFF ANGLE NUT RUNNER - 90°
1,050 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- Precision machined bevel gear and angle head for easy maintenance and longer gear life


SHUT-OFF

Screw Size	M 2,8 - M 5,8
Socket	1/4" Hex
Lenght	380 mm
Free Speed	1,800 RPM
Max.Tork	0,5-4,5 Nm
Air Hose	8 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,6 Kg
Quantity/Box	12

OS-55AB
AIR AUTO SHUT-OFF ANGLE NUT RUNNER - 90°
1,050 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- Precision machined bevel gear and angle head for easy maintenance and longer gear life


SHUT-OFF

Screw Size	M 2,9 - M 6,4
Socket	1/4" Hex
Lenght	380 mm
Free Speed	900 RPM
Max.Tork	0,7-6,5 Nm
Air Hose	8 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,6 Kg
Quantity/Box	12

OS-60AB
AIR AUTO SHUT-OFF ANGLE NUT RUNNER - 90°
1,150 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- Precision machined bevel gear and angle head for easy maintenance and longer gear life

SHUT-OFF	
Screw Size	M 4,1 - M 7,0
Socket	1/4" Hex
Lenght	380 mm
Free Speed	550 RPM
Max.Tork	1,5-10 Nm
Air Hose	8 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,6 Kg
Quantity/Box	12


OS-65AB
AIR AUTO SHUT-OFF ANGLE NUT RUNNER - 90°
1,450 \$

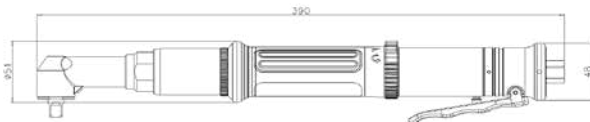
- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- Precision machined bevel gear and angle head for easy maintenance and longer gear life

SHUT-OFF	
Screw Size	M 5,0 - M 9,3
Socket	1/4" Hex
Lenght	384 mm
Free Speed	300 RPM
Max.Tork	3,0-18 Nm
Air Hose	10 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,9 Kg
Quantity/Box	12



OS-60A
AIR AUTO SHUT-OFF ANGLE NUT RUNNER - 90°
2,400 \$

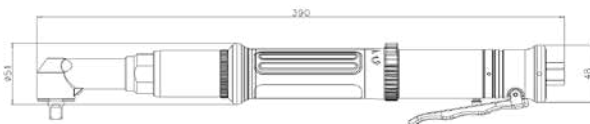
- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- Precision machined bevel gear and angle head for easy maintenance and longer gear life


SHUT-OFF

Screw Size	M 4,1 - M 7
Socket	3/8"
Lenght	380 mm
Free Speed	550 RPM
Max.Tork	1,5-10 Nm
Air Hose	8 mm
Air Consumption	550 LT/Min.
Sound	72 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,6 Kg
Quantity/Box	12

OS-68A
AIR AUTO SHUT-OFF ANGLE NUT RUNNER - 90°
2,420 \$

- Accurate clutch system with 3% deviation of torque, assure the best quality
- Low noise, low vibration, high accuracy and longer life cycle of motor
- One-handed operation (turn & change the rotary direction)
- With ergonomic grip handle for comfort & easy to grip
- Can quickly change the bit by push the bit head
- With unique color torque system (for easy visible torque marking at a glance)
- Precision machined bevel gear and angle head for easy maintenance and longer gear life


SHUT-OFF

Screw Size	M 6,0 - M 11
Socket	3/8"
Lenght	384 mm
Free Speed	250 RPM
Max.Tork	5,0-28 Nm
Air Hose	10 mm
Air Consumption	550 LT/Min.
Sound	75 dBA
Working Pressure	6,3-8,0 Bar
Air Inlet	1/4"
Weight	1,9 Kg
Quantity/Box	12

DIGITAL TORQUE METER

- * Measures the torque value on bolt which applied by instrument.
- * Please do not apply the load more than the measurement range by any means.
- * Do not use for measurement of impact tool.



For price please check the page number 138

MODEL	TM-150A
Measuring Range	0.15~15.00 N~m / 1.5~132.0 lbf~in / 1.5~150.0 Kgf~cm
Accuracy	From 200 1000 digit display within +/- 0.5
Display	3.5 LCD
Measuring direction	CW~CCW
Measurement mode 3 way	Peak load value hold, Indication of real time torque value, Indication peak down point and hold.
Data transfer	USB1.0 (Baud rate~19200)
Power supply	6 VDC (Ni-Cd chargeable battery 1.2V×5cells)
Working time	Continuous working time 8 hours, discontinuous working time around 12 hours.
Battery life	Chargeable for 300 times or more. However, it varies depending on operating conditions.
Exclusive charger	INPUT: AC 120V, 220-240V OUTPUT: DC 12V 500mA
Socket size	20mm square and 9.5mm square

MECHANICAL AND DIGITAL TORQUE WRENCH DISPLAY



MTS 1600



MTS 1700



MTS 1800

MECHANICAL AND DIGITAL TORQUE WRENCH DISPLAY

		MTS 1600	MTS 1700	MTS 1800
Code	Explanation	14 Piece	12 Piece	11 Piece
PTC-320	REVERSIBLE TORQUE WRENCH; 60-320 Nm	X	X	X
PTU-300	REVERSIBLE TORQUE WRENCH; 60-300 Nm	X	X	X
PTE-135	REVERSIBLE TORQUE WRENCH; 20-135 Nm	X	X	X
DT-200	1/2" DIGITAL TORQUE WRENCH; 40 - 200 Nm	X	X	-
PTK-25	1/4" PRESET SLIPPING TORQUE WRENCH; 5-25 Nm	X	X	X
DBPE-020	1/4" PRESET SLIPPING TORQUE WRENCH; 4- 20 Nm	X	-	-
DTPE-030	1/4" DIGITAL TORQUE WRENCH; 6,0 - 30 Nm	X	-	-
TTR-6	TTR TORQUE SCREWDRIVER; 1-6 Nm	X	X	X
DAO	DIGITAL ANGLE ADAPTOR 360'	X	X	X
7422-19W	RING INSERT TOOLS 14x18	X	X	X
7412-17W	OPEN ENDED INSERT TOOLS 14x18	X	X	X
7562-40W	14X18 HOOK HEAD INSERT TOOLS 40-45 mm	X	X	X
3010010	12"(10-41mm) ADJUSTABLE SPANNER INSERT HEAD 14X18- 340Nm	X	X	X
7432-04W	1/2" RATCHET INSERT TOOLS 14x18	X	X	X



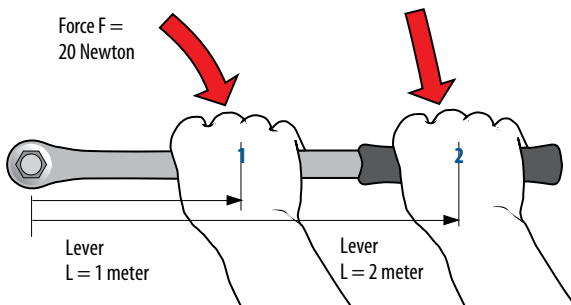
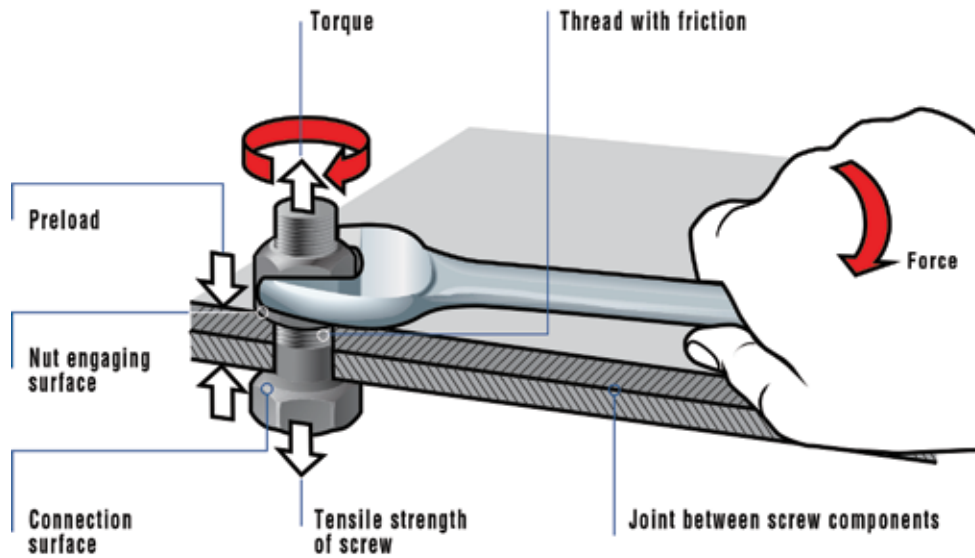
TORQUE WRENCHES



Working principle

The diagram shows how two metal plates are joined together (pressed together) in a plug-type screw connection by the tightening of one nut. The angle of pitch of the thread is responsible for the resulting tensile force produced in the screw. A wind up force is caused by a tensile force. This pre-tension force is decisive for the optimum screw connection. Why? An optimally tightened screw connection develops sufficient resistance against being loosened. If the pre-tension force is too weak, the screw connection

might vibrate or loosen. If the pre-tension force is too great, the danger exists that the screw connection might fracture. You can achieve the optimum pre-tension force with the correct tightening torque. Every screw connection has a certain tightening torque for various fastening requirements. Only if these values are taken into consideration it is possible to tighten a screw connection to a certain pre-tension force in a manner which is safe, works properly and is cost-effective.



The diagram shows dependencies of force F and lever L on the torque on the base of 2 examples

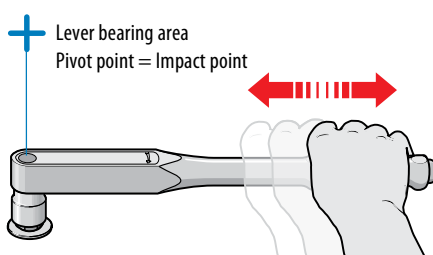
In order to determine the relevant torque, we employ the formula $MA = F \times L$

- (1) $MA = F \times L = 20 \text{ N} \times 1 \text{ m} = 20 \text{ N-m (Newton meters)}$
- (2) $MA = F \times L = 20 \text{ N} \times 2 \text{ m} = 40 \text{ N-m (Newton meters)}$

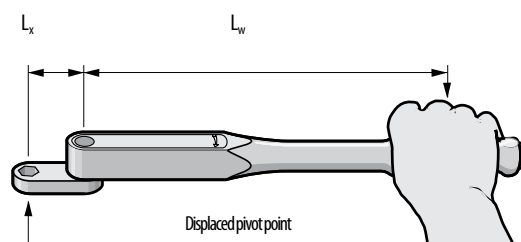
This means that the actual torque applied to the screw changes if the hand's position on the wrench changes.

The set torque M_{xw} when using special spanners is determined along the following lines:

$$\frac{M_A \times l_w}{l_x + l_w}$$



- F = Hand pressure
- M_{xw} = Set torque, which has to be set on the scale of the aluminum torque wrench
- M_A = Tightening torque, used to tighten the screw or nut
- l_w = Distance from the middle of the square drive of the aluminum torque wrench to the middle of the handgrip
- l_x = Distance from the middle of the square drive of the aluminum torque wrench to the middle of the screw or nut (also called depth gauge end fitting)



REVERSIBLE TORQUE WRENCH

- * 8 different models between 3 Nm – 1000 Nm
- * Adjustable torque wrench with square drive for controlled bi-directional tightening
- * Ratchet head model
- * Easily readable dual scale N-m and lbf-ft below a window
- * Additional micrometer scale for setting interim value
- * Loud click sound and strong impulse when required torque is reached
- * Ergonomically shaped and convenient plastic handle grip
- * Locking button enable reliable locking of the torque setting
- * Tolerance of torque at clockwise $\pm 4\%$
- * Tolerance of torque at counterwise $\pm 6\%$
- * Quality meets DIN ISO 6789&ASME B107.300-2010
- * Serial number: Each piece engraving serial number for traceability



Code	N.m	Square Drive	Graduation	L	h	b	Weight g	Price \$
PTC-15	3-15	1/4"	0,40	193	12	28	340	210
PTC-60	10-60	3/8"	0,50	427	12	28	1,150	215
PTC-100	20-100	3/8"	0,50	462	16	37	1,500	225
PTC-200	40-200	1/2"	1,00	517	20	44	2,200	245
PTC-320	60-320	1/2"	2,00	586	20	44	2,300	330
PTC-500	100-500	3/4"	4,00	820	28	64	3,650	620
PTC-800	100-800	3/4"	5,00	1.111	28	64	5,480	1,000
PTC-1000	200-1000	3/4"	5,00	1.335	34	70	6,160	1,150

REVERSIBLE TORQUE WRENCH

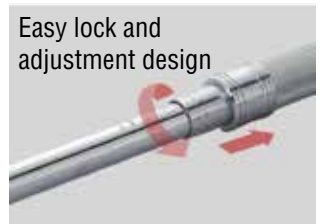
- * 8 different models between 2 Nm – 1000 Nm
- * Adjustable torque wrench with square drive for controlled bi-directional tightening
- * Ratchet head model
- * Easily readable dual scale N-m and lbf-ft below a window
- * Additional micrometer scale for setting interim value
- * Loud click sound and strong impulse when required torque is reached
- * Ergonomically shaped and convenient plastic handle grip
- * Locking button enable reliable locking of the torque setting
- * Tolerance of torque at clockwise $\pm 3\%$
- * Tolerance of torque at counterwise $\pm 4\%$
- * Quality meets DIN ISO 6789&ASME B107.300- 2010
- * Serial number: Each piece engraving serial number for traceability



Code	N.m	lbf.ft	Socket size	Lap Setting	L mm	Ratchet Mechanism	Weight g	Price \$
PT-25	2-25	1,5-18	1/4"	0,1	298	72T	500	235
PT-50	5-50	3,7-37	3/8"	0,25	363	72T	555	260
PT-100	10-100	8-75	1/2"	0,50	455	72T	1,110	280
PT-200	20-200	10-150	1/2"	1,0	513	72T	1,280	310
PT-300	60-300	45-220	1/2"	1,0	605	72T	1,450	330
PT-600	100-600	75-440	3/4"	2,0	1,040	72T	4,650	1,100
PT-800	150-800	110-590	3/4"	2,0	1,235	72T	5,450	1,250
PT-1000	200-1000	150-740	3/4"	2,0	1,235	72T	5,450	1,350

PT-1500
REVERSIBLE TORQUE WRENCH

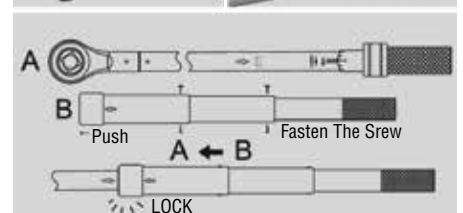
- * Adjustable torque wrench with square drive for controlled bi-directional tightening
- * Ratchet head model
- * Loud click sound and strong impulse when required torque is reached
- * Tolerance of torque at clockwise $\pm 3\%$
- * Tolerance of torque at counterwise $\pm 4\%$
- * Quality meets DIN ISO 6789&ASME B107.300- 2010
- * Serial number: Each piece engraving serial number for traceability



Code	N.m	lbf.ft	Socket size	Lap Setting	L mm	Ratchet Mechanism	Weight g	Price \$
PT-1500	300-1500	258-1070	1"	10	1,850	24T	10,600	2,350

PT-2500
REVERSIBLE TORQUE WRENCH

- * Adjustable torque wrench with square drive for controlled bi-directional tightening
- * Ratchet head model
- * Loud click sound and strong impulse when required torque is reached
- * Tolerance of torque at clockwise $\pm 3\%$
- * Tolerance of torque at counterwise $\pm 4\%$
- * Quality meets DIN ISO 6789&ASME B107.300- 2010
- * Serial number: Each piece engraving serial number for traceability



Code	N.m	lbf.ft	Socket size	Lap Setting	L mm	Ratchet Mechanism	Weight g	Price \$
PT-2500	500-2500	443-1771	1"	20	2,755	36T	19,600	4,500

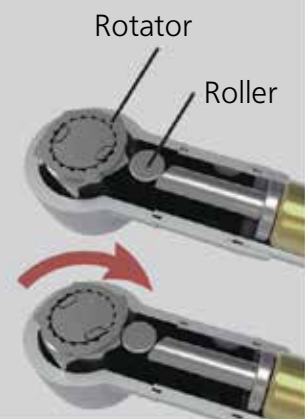
PRESET SLIPPING TORQUE WRENCH

- * Unique continuous slipping mechanism eliminates the risk of over-tightening
- * With 36T/48T ratchet-function for controlled clockwise direction
- * Easily readable dual scale N-m and lbf-ft below a window
- * Additional micrometer scale for setting interim value
- * Ergonomically shaped and convenient plastic handle grip
- * Locking button enables reliable locking of the torque setting
- * Tolerance of torque $\pm 6\%$ (1-5 Nm, 2-10Nm)
- * Tolerance of torque $\pm 4\%$ (5-25 Nm, 10-60Nm)
- * Quality meets DIN ISO 6789&ASME B107.300-2010



Slipping Mechanism

When the torque value is achieved, the mechanism slips through over the roller and automatic resetting



Code	N.m	Teeth	Square Drive	Graduation	L	Weight g	Price \$
PTK - 05	1-5	36T	1/4"	0,05	260	520	260
PTK - 10	2-10	36T	1/4"	0,1	260	520	297
PTK - 25	5-25	36T	1/4"	0,1	320	590	308
PTK - 60	10-60	48T	3/8"	0,25	355	655	368

REVERSIBLE TORQUE WRENCH

- * Industrial application with durability
- * Four torque units for easy scale reading
- * Loud click sound when required torque is reached
- * The lever mechanism brings length independent and accurate torque
- * Tolerance of torque $\pm 4\%$
- * Quality meets DIN ISO 6789 & ASME B107.300-2010
- * Serial number: Each piece engraving serial number for traceability



Code	N.m	lbf.ft	Square Drive	L	h	b	Weight g	Price \$
PTE-135	25-135 Nm	20-100 lbf.ft	1/2"	556	32,25	31,89	1.600	235
PTE-225	50-225 Nm	40-160 lbf.ft	1/2"	600	32,25	31,89	2.300	245
PTE-330	70-330 Nm	50-250 lbf.ft	1/2"	805	32,35	32,5	2.600	320

SPARE SQUARE



Code	Square Drive	L	Weight g	Price \$
PTE-K12	1/2"	48,5	50	8,50

REVERSIBLE TORQUE WRENCH

Interchangeable Type

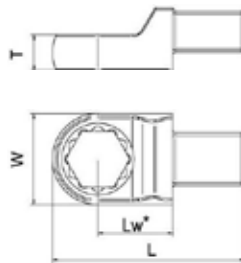
- * 7 different models between 2 Nm – 1000 Nm
- * Suitable to standart insert tools (9x12 & 14x18)
- * Quick release design
- * Easily readable dual scale N-m and lbf-ft below a window
- * Additional micrometer scale for setting interim value
- * Loud click sound and strong impulse when required torque is reached
- * Ergonomically shaped and convenient plastic handle grip
- * Locking button enable reliable locking of the torque setting
- * Tolerance of torque at clockwise $\pm 3\%$
- * Quality meets DIN ISO 6789&ASME B107.300-2010
- * Serial number: Each piece engraving serial number for traceability



Code	N.m	lbf.ft	Square Drive	Graduation	Icse	L	Weight g	Price \$
PTU-25	2-25	3,5-18	9x12	0,1	17,50	302	555	220
PTU-50	5-50	3,5-37	9x12	0,25	17,50	340	630	240
PTU-100	10-100	8-75	9x12	0,5	17,50	413	1,286	275
PTU-200	20-200	10-150	14x18	1	25,00	510	1,400	285
PTU-300	60-300	45-220	14x18	1	25,00	597	1,602	305
PTU-600	100-600	92-424	14x18	2	25,00	988	4,600	1,000
PTU-800	150-800	110-590	14x18	2	25,00	1,178	5,400	1,200
PTU-1000	200-1000	166-719	14x18	2	25,00	1.178	5,400	1,300

RING INSERT TOOLS

- * CR-V steel
- * Chrome plated



9x12 RING INSERT TOOL

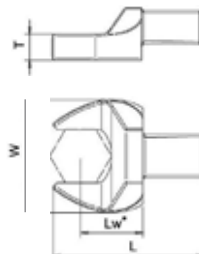
Code	Size mm	LW (mm)	L (mm)	W (mm)	T (mm)	Weight g	Price \$
7421-07W	07	17,5	40,8	19,8	8,0	38	40,00
7421-08W	08	17,5	40,8	19,8	8,0	37	40,00
7421-10W	10	17,5	42,6	20,0	8,0	39	40,00
7421-11W	11	17,5	43,5	20,2	8,0	42	40,00
7421-12W	12	17,5	44,0	22,2	12,0	51	40,00
7421-13W	13	17,5	44,5	22,2	12,0	51	40,00
7421-14W	14	17,5	46,0	23,5	12,0	53	40,00
7421-15W	15	17,5	46,7	24,6	12,0	54	40,00
7421-16W	16	17,5	47,0	26,4	13,0	57	43,00
7421-17W	17	17,5	47,3	27,3	13,0	56	43,00
7421-18W	18	17,5	48,4	29,0	13,0	58	43,00
7421-19W	19	17,5	49,4	31,0	13,0	63	43,00
7421-21W	21	17,5	49,8	33,4	14,7	68	43,00
7421-22W	22	17,5	51,4	35,0	14,7	72	43,00

14x18 RING INSERT TOOL

Code	Size mm	LW (mm)	L (mm)	W (mm)	T (mm)	Weight g	Price \$
7422-13W	13	25,0	61,5	30,0	12,0	129	49,00
7422-14W	14	25,0	62,0	30,0	12,0	132	49,00
7422-15W	15	25,0	62,5	30,0	12,0	132	49,00
7422-16W	16	25,0	62,5	30,0	12,0	137	49,00
7422-17W	17	25,0	64,0	30,5	12,5	141	50,00
7422-18W	18	25,0	64,5	30,5	12,5	139	50,00
7422-19W	19	25,0	66,0	31,0	12,5	145	50,00
7422-21W	21	25,0	67,4	33,4	15,0	151	55,00
7422-22W	22	25,0	68,0	35,2	15,0	157	55,00
7422-24W	24	25,0	69,5	37,4	15,0	162	61,00
7422-27W	27	31,0	77,5	41,7	17,5	205	68,00
7422-30W	30	31,0	79,0	45,3	17,5	204	68,00
7422-32W	32	31,0	80,3	47,8	17,5	214	68,00
7422-34W	34	31,0	82,3	50,8	19,0	226	68,00
7422-36W	36	31,0	82,6	53,0	19,0	230	71,00
7422-41W	41	31,0	85,5	59,3	19,0	235	71,00

OPEN ENDED INSERT TOOLS

- * CR-V steel
- * Chrome plated



9x12 OPEN ENDED INSERT TOOL

Code	Size mm	LW (mm)	L (mm)	W (mm)	T (mm)	Weight g	Price \$
7411-07W	7	17,5	37,6	20,7	5,7	37	39,00
7411-08W	8	17,5	37,6	22,0	5,7	38	39,00
7411-09W	9	17,5	37,6	23,5	5,7	38	39,00
7411-10W	10	17,5	39,8	24,8	5,7	42	39,00
7411-11W	11	17,5	39,8	26,0	5,7	40	39,00
7411-12W	12	17,5	39,8	27,5	5,7	41	39,00
7411-13W	13	17,5	40,0	28,8	5,7	46	39,00
7411-14W	14	20,0	43,0	31,5	7,7	55	40,00
7411-15W	15	20,0	44,0	33,5	7,7	56	40,00
7411-16W	16	20,0	44,0	36,0	7,7	58	40,00
7411-17W	17	20,0	44,0	37,7	7,7	58	40,00
7411-18W	18	20,0	45,2	39,0	7,7	60	42,00
7411-19W	19	20,0	45,2	41,6	7,7	64	42,00
7411-21W	21	25,0	52,2	45,5	11,5	118	52,00
7411-22W	22	25,0	52,2	47,3	11,5	119	61,00
7411-24W	24	25,0	54,0	50,8	11,5	121	61,00
7411-27W	27	32,5	60,0	58,7	13,0	198	67,00
7411-30W	30	32,5	61,5	63,7	13,5	200	67,00
7411-32W	32	32,5	63,0	65,0	13,5	198	67,00
7411-36W	36	32,5	64,8	67,5	13,5	200	73,00

14x18 OPEN ENDED INSERT TOOL

Code	Size mm	LW (mm)	L (mm)	W (mm)	T (mm)	Weight g	Price \$
7412-13W	13	25,0	58,0	29,5	7,0	117	45,00
7412-14W	14	25,0	58,0	31,4	7,0	120	45,00
7412-15W	15	25,0	58,0	33,5	7,0	116	45,00
7412-16W	16	25,0	58,5	36,0	7,0	128	45,00
7412-17W	17	25,0	59,5	37,0	9,0	138	48,00
7412-18W	18	25,0	60,4	39,0	9,0	136	48,00
7412-19W	19	25,0	61,5	40,6	9,0	140	48,00
7412-21W	21	25,0	61,5	45,5	11,0	160	54,00
7412-22W	22	25,0	62,3	47,3	11,0	162	54,00
7412-23W	23	25,0	62,3	47,8	11,0	165	54,00
7412-24W	24	25,0	63,2	50,8	11,0	168	54,00
7412-25W	25	30,0	69,0	58,4	13,8	170	54,00
7412-26W	26	30,0	69,0	58,4	13,8	170	62,00
7412-27W	27	32,5	69,0	58,4	13,8	239	67,00
7412-30W	30	32,5	70,5	62,5	13,8	250	67,00
7412-32W	32	32,5	72,5	65,0	13,8	248	67,00
7412-34W	34	32,5	74,0	67,5	13,8	252	72,00
7412-36W	36	32,5	74,0	67,5	13,8	245	72,00
7412-38W	38	32,5	74,0	67,5	13,8	230	76,00
7412-40W	40	40,0	80,5	83,4	13,8	316	76,00
7412-41W	41	40,0	80,5	82,3	13,8	316	79,00
7412-46W	46	50,0	91,1	98,6	20,0	399	176,00
7412-48W	48	50,0	96,9	105,0	30,5	410	176,00
7412-50W	50	50,0	96,9	105,0	30,5	405	187,00
7412-55W	55	50,0	96,9	105,0	30,5	410	264,00
7412-70W	70	84,5	136,2	149,2	33,5	710	374,00

ADAPTER



Code	Size mm	L (mm)	W (mm)	T (mm)	Price \$
7541-0912	9 x 12	24,2	22,2	14,4	51,00

Code	Size mm	L (mm)	W (mm)	T (mm)	Price \$
7542-1418	14 x 18	37,3	29,5	21,5	63,00

HOOK HEAD INSERT TOOLS



Code	Ø mm	LW (mm)	L (mm)	W (mm)	T (mm)	Price \$
7562-28W	28 - 36	77	120,8	29,0	8	91,00
7562-40W	40 - 45	77	128,5	41,5	8	97,00
7562-50W	50 - 55	77	128,5	41,5	8	103,00
7562-58W	58 - 62	77	133,5	47,2	8	115,00
7562-80W	80 - 90	77	141,5	64,1	8	133,00

ADJUSTABLE SPANNER INSERT HEAD



Code	Working Range		Soket Ölçüsü	Price \$
3010007	8"	5 - 27 mm	9 x 12	143,00
3010008	10"	5 - 30 mm	9 x 12	143,00
3010017	12"	10 - 41 mm	9 x 12	154,00
3010009	10"	5 - 30 mm	14 x 18	154,00
3010010	12"	10 - 41 mm	14 x 18	154,00

RATCHET INSERT TOOLS



Code	Square Drive		Teeth	Weight g	Price \$
7431-02W (7531-02W)	1/4"	9X12	72T	60	57,00
7431-03W (7531-03W)	3/8"	9X12	72T	140	67,00
7431-04W (7531-04W)	1/2"	9X12	72T	150	73,00
7432-03W (7532-02W)	3/8"	14X18	72T	250	75,00
7432-04W (7532-04W)	1/2"	14X18	72T	350	78,00
7432-06W (7532-06W)	3/4"	14X18	52T	780	105,00

ADAPTOR



Code	Female Square Drive	Male Square Drive	L	Weight g	Price \$
7412-0912W	9X12	14X18	45	100	40,00
7411-1418W	14X18	9X12	50	180	48,00

INTERCHANGEABLE TORQUE WRENCH

Round Insert Tool Type

- * Use with standart insert tools (Ø16mm spigot end)
- * Quick release button design for easy insert head removal
- * Easily readable dual scale N-m and lbf-ft below a window
- * Additional micrometer scale for setting interim value
- * Ergonomically shaped and convenient plastic handle grip
- * Locking button enable reliable locking of the torque setting
- * Applied to both clockwise and counterwise directions
- * Tolerance of torque at clockwise $\pm 3\%$
- * Quality meets DIN ISO 6789&ASME B107.300-2010



Code	N.m	lbf.ft	Square Drive	Graduation	lcse	L	Weight g	Price \$
PTY-50	5-50	3,5 - 37	Ø 16	0,25	32 mm	350	440	225
PTY-100	10-100	8 - 75	Ø 16	0,50	32 mm	435	1,050	255
PTY-200	20-200	10 - 150	Ø 16	1,00	32 mm	500	1,230	295

INTERCHANGEABLE ALUMINUM TORQUE WRENCH

Industrial application with durability

- * Use with standart insert tools (Ø16mm & Ø22mm spigot end)
- * Quick release button design for easy insert head remove
- * Lightweight yet robust; housing is made of aluminium alloy
- * Multi-lever mechanism brings length independence and accurate torque
- * Loud click sound and strong impulse when required torque is reached
- * Chrome plating finish strengthens the material hardness&anti-collision
- * Quick pull out&easy adjustment with unique crank
- * Tolerance of torque at clockwise $\pm 3\%$
- * Quality meets DIN ISO 6789&ASME B107.300-2010

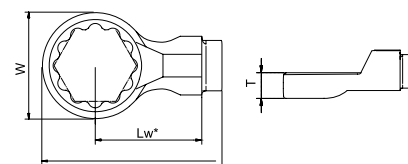


Code	N.m	lbf.ft	Square Drive	Graduation	lcase	L	Weight g	Price \$
PTY-400	80-400	60 - 300	Ø 16	5	32 mm	650	1,550	1,200
PTY-620	140-620	100 - 450	Ø 22	10	56 mm	860	2,900	2,150

ROUND RING INSERT TOOLS

* CR-V steel

* Chrome plated



ROUND RING INSERT TOOL Ø16 mm

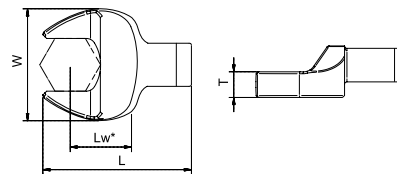
Code	Size mm	LW* (mm)	L (mm)	W (mm)	T (mm)	Weight g	Price \$
7425-13W	13	32	62,25	23,50	12	135	42,00
7425-14W	14	32	62,25	23,50	12	135	42,00
7425-15W	15	32	62,25	23,50	12	135	42,00
7425-16W	16	32	64,75	28,50	13	145	44,00
7425-17W	17	32	64,75	28,50	13	145	44,00
7425-18W	18	32	64,75	28,50	13	145	44,00
7425-19W	19	32	66,25	31,50	14	150	44,00
7425-20W	20	32	66,25	31,50	14	150	44,00
7425-21W	21	32	66,25	31,50	14	150	44,00
7425-22W	22	32	70,25	39,50	15	195	46,00
7425-23W	23	32	70,25	39,50	15	195	46,00
7425-24W	24	32	70,25	39,50	15	195	46,00
7425-27W	27	32	70,25	39,50	15	195	53,00

ROUND RING INSERT TOOL Ø22 mm

Code	Size mm	LW* (mm)	L (mm)	W (mm)	T (mm)	Weight g	Price \$
7426-22W	22	56	98,50	38,00	15,0	430	55,00
7426-24W	24	56	98,50	38,00	15,0	430	55,00
7426-27W	27	56	102,75	46,50	17,0	420	75,00
7426-30W	30	56	102,75	46,50	17,0	420	75,00
7426-32W	32	56	106,50	55,0	20,0	450	75,00
7426-34W	34	56	106,50	55,0	20,0	450	75,00
7426-36W	36	56	106,50	55,0	20,0	450	75,00
7426-41W	41	56	115,50	72,0	22,0	450	77,00
7426-46W	46	56	115,50	72,0	22,0	450	83,00

ROUND OPEN ENDED INSERT TOOLS

- * CR-V steel
- * Chrome plated



ROUND OPEN ENDED INSERT TOOL Ø16 mm

Code	Size mm	LW* (mm)	L (mm)	W (mm)	T (mm)	Weight g	Price \$
7415-13W	13	32	58,50	34,50	8	145	42,00
7415-14W	14	32	58,50	34,50	8	145	42,00
7415-15W	15	32	58,50	34,50	8	145	42,00
7415-16W	16	32	60,50	41,50	9	160	43,00
7415-17W	17	32	60,50	41,50	9	160	43,00
7415-18W	18	32	60,50	41,50	9	160	43,00
7415-19W	19	32	62,00	45,00	10	180	43,00
7415-20W	20	32	62,00	45,00	10	180	46,00
7415-21W	21	32	62,00	45,00	10	180	46,00
7415-22W	22	32	63,50	56,00	11	230	53,00
7415-23W	23	32	63,50	56,00	11	230	53,00
7415-24W	24	32	63,50	56,00	11	230	53,00
7415-27W	27	32	63,50	56,00	11	230	55,00
7415-30W	30	32	63,00	68,00	12	285	64,00
7415-32W	32	32	63,00	68,00	12	285	66,00
7415-36W	36	32	63,00	68,00	12	285	68,00

ROUND OPEN ENDED INSERT TOOL Ø22 mm

Code	Size mm	LW* (mm)	L (mm)	W (mm)	T (mm)	Weight g	Price \$
7416-22W	22	56	91,00	52,00	11,0	350	53,00
7416-24W	24	56	91,00	52,00	11,0	350	53,00
7416-27W	27	56	94,00	64,00	12,0	420	68,00
7416-30W	30	56	94,00	64,00	12,0	420	68,00
7416-32W	32	56	97,00	75,50	12,0	465	68,00
7416-34W	34	56	97,00	75,50	12,0	465	75,00
7416-36W	36	56	97,00	75,50	12,0	465	75,00
7416-41W	41	56	103,50	94,00	12,0	535	86,00
7416-46W	46	56	103,50	94,00	12,0	535	97,00

ROUND RATCHET INSERT TOOLS

- * CR-V steel
- * Chrome plated



60256



60437

Code	Square Drive		Teeth	Weight g	Price \$
60256	1/2"	Ø 16	72T	350	143
60437	3/4"	Ø 22	24T	780	210

ALUMINUM TORQUE WRECH

- * Industrial application with durability
- * Single drive design for applying to clockwise direction; both push& no-push are available for selection.
- * Lightweight yet robust; housing is made of aluminium alloy
- * Multi-lever mechanism brings length independence and accurate torque
- * Loud click sound and strong impulse when required torque is reached
- * Chrome plating finish strengthens the material hardness&anti-collision
- * Quick pull out&easy adjustment with unique crank
- * Tolerance of torque $\pm 3\%$
- * Quality meets DIN ISO 6789&ASME B107.300-2010



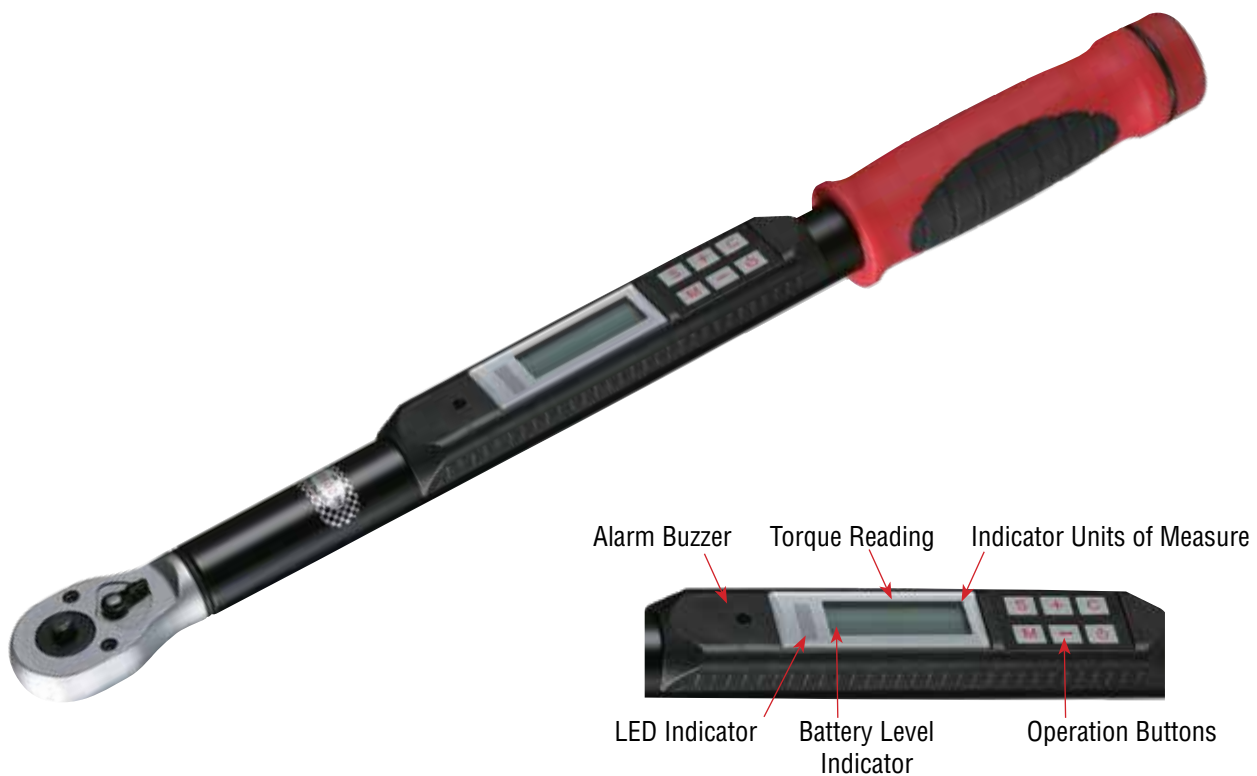
Code	N.m	lbf.ft	Square Drive	L	Handle Length	Weight g	Price \$
PTS-760	140-760 Nm	100-560 lbf.ft	3/4"	827	-	3.000	2,000
PTS-1000	200-1000 Nm	140-740 lbf.ft	3/4"	1.413	762	3.800	2,450
PTS-1500	600-1500 Nm	-	1"	1.615	954	10.900	3,600
PTS-2000	750-2000 Nm	-	1"	2.370	1.690	11.700	3,800
PTS-3000	1500-3000 Nm	-	1.1/2"	2.820	2.040	16.400	5,100

DIGITAL TORQUE WRENCH

- * Industrial application
- * High accuracy torque tools for quality auditing and production application
- * Easy and flexible operation of design
- * Different models between 10 Nm – 200 Nm
- * Applied to both clockwise and counterwise directions
- * Supplied in a plastic box
- * Serial number: Each piece engraving serial number for traceability
- * Tolerance of torque at clockwise $\pm 1\%$
- * Tolerance of torque at counterwise $\pm 1,5\%$

Specifications

- * Accuracy: $\pm 1\%$
- * Memory: 10 readings
- * Unit Selection: Nm, ft.lb, in.lb, kg-m
- * Operating Temperature: $-10^{\circ} \dots +55^{\circ}$
- * Storage Temperature: $-10^{\circ} \dots +55^{\circ}$
- * RS-232 Data Out
- * Humidity: $0 \dots 99\%$
- * Battery: 1.5V AA battery (do not use low self-discharge battery)
- * Warranty: 1 year



Code	N.m	Square Drive	L (mm)	Weight g	Price \$
ETC-100N	10-100	3/8"	440	950	520
ETC-100NS	10-100	1/2"	440	1060	550
ETC-200N	20-200	1/2"	580	1350	600

TORQUE SCREWDRIVER

- * 5 different models between 5 cNm – 9 Nm
- * 6.3mm (1/4") Hex drive for bit
- * Applied to both clockwise and counterwise directions
- * Release the locking knob when reached the setting torque value
- * Easy to read laser scale (Nm ve in-lb)
- * Ergonomic comfort rubber grip
- * Tolerance of torque: accuracy $\pm 6\%$
- * Serial number: Each piece engraving serial number for traceability



Code	N.m	in-lb	Square Drive	Graduation	L	Weight g	Price \$
TTR-06	5 - 60 cNm	-	1/4"	0,5	100	105	230

Code	N.m	in-lb	Square Drive	Graduation	L	Weight g	Price \$
TTR-1.2	0,1 - 1,2 Nm	1,33 - 10,18	1/4"	0,01	180	230	270
TTR-3.5	1 - 3,5 Nm	11,06 - 28,77	1/4"	0,05	195	340	280
TTR-6	1 - 6 Nm	13,28 - 48,68	1/4"	0,10	195	340	285
TTR-9	4 - 9 Nm	39,83 - 75,23	1/4"	0,10	195	340	295

DIGITAL SCREWDRIVER

- * Digital torque value readout
- * CW and CCW operation
- * Peak hold and track mode selectable
- * Buzzer and LED indicator for the 9 pre-settable target torques
- * Engineering units (cN-m, in-lb, kg-cm) selectable
- * 50 data memory for recall and joint torque auditing
- * Communication functions
- * Auto power off after about 5 minutes idle
- * Rechargeable batteries are compatible

Model : DDT - 050 / DDT - 200

Range : 5 - 200 cN-m

Bit Size : 1/4"

Accuracy : $\pm$ %2 (CW) / $\pm$ %3 (CCW)



DIGITAL SCREWDRIVER



Model	DTT-050	DTT-200
Bit size (inch)	1/4"	1/4"
Head type	Bit	
Length (mm)	193	203
Pre setting no	9 Piece	9 Piece
LED light and colours	2 LEDS (1 Red+1 Green)	
Buzzer	Yes	Yes
Button	5	5
Unit selection	cN.m / in.lb / kg.cm	
Torque measuring range	5~50 cN-m 0.44~4.42 in-lb 0.51~5.1 kg-cm	10~200 cN-m 0.88~17.7 in-lb 1.02~20.41 kg-cm
Accuracy guaranteed range	10~50 cN-m 0.88~4.42 in-lb 1.02~5.1 kg-cm	40~200 cN-m 3.54~17.7 in-lb 4.08~20.41 kg-cm
Accuracy	±2%(CW)	±2%(CW)
	±3%(CCW)	±3%(CCW)
Data memory size	50	50
Communication	No	No
PRICE	795 \$	795 \$

DIGITAL TORQUE VALUE

- * Digital torque value readout
- * accuracy $\pm 3\%$
- * CW and CCW operation
- * Peak hold and track mode selectable
- * Buzzer and LED indicator
- * Engineering units (N-m, in-lb, kg-cm) selectable
- * Auto power off after about 5 minutes idle
- * Rechargeable batteries are compatible



Model	DMTT-012
Including	1 Piece Wrench 2 Piece 1/4" Socket (11 mm ve 12 mm) 1 Piece Valve Stem Torque Tool
Bit size (inch)	1/4"
Head type	Bit Head
Length (mm)	216
LED light and colours	2 Led (1 Red + 1 Green)
Buzzer	Yes
Unit selection	N.m / ft.lb / in.lb / kg.cm
Torque measuring range	0,6~12 N.m 0,44~8,85 ft.lb 5,3~106.2 in.lb 6,1~122,4 kg.cm
Accuracy guaranteed range	2,4~12 N.m 1,77~8,85 ft.lb 21,2~106.2 in.lb 24,5~122,4 kg.cm
Accuracy	$\pm 3\%$ (CW) - $\pm 4\%$ (CCW)
Data memory size	No
Communication	No
PRICE	645 \$

DIGITAL ANGLE ADAPTOR

- * Digital angle value readout
- * $\pm 2\%$ (rotating 90° at speed of $30^\circ/\text{sec}$)
- * CW and CCW operation
- * Buzzer and LED indicator for the 9 pre-settable target torques
- * 50 data memory for recall and joint torque auditing
- * Auto power off after about 2 minutes idle
- * AAA regular and rechargeable batteries are compatible



* With magnet

Model	DAO
Angle accuracy	$\pm 2^\circ$
Angle measuring range	1°
LED light and colours	6 LED (1 Red + 5 Green)
Buzzer	Yes
Unit Selection	Angle
Pre setting no	9 pcs
Data memory size	50
Communication	No
Battery	AAA x 2
Weight	0,05 Kg
PRICE	310 \$

DIGITAL ANGLE & TORQUE ADAPTOR

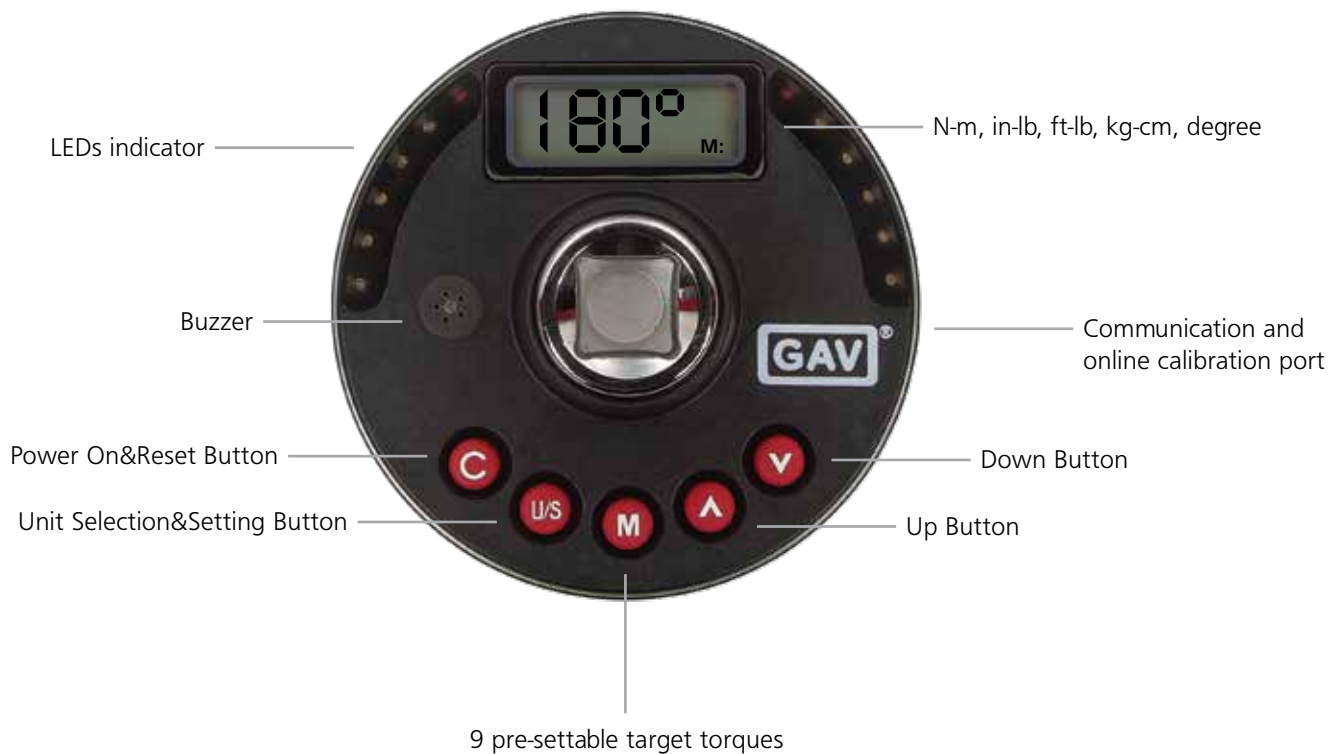
- * Multiple functions including "Angle Setting", "Torque Setting", "Unit Setting", "Mode Setting", "Data Storage", "Data Clear", "Data Output" and "Online Calibration"
- * 9 pre-setting target torque values
- * Functions in both clockwise and anticlockwise directions
- * LCS display showing N-m, ft-lb, in-lb, kg-cm and angle measurements
- * Data memory size (torque and angle) 50
- * While using and the screen is invisible, the 12 LEDs would side visible to provide notice for target value

Model : DA4-135 ~ DA4-340

Head : 1/2"

Torque accuracy : $\pm 3\%$ (CW), $\pm 4\%$ (CCW)

Angle accuracy : $\pm 2^\circ$ (Rotating 90° at speed of $30^\circ/\text{sec}$)



DIGITAL ANGLE & TORQUE ADAPTOR



Model	DA-135	DA-340
Bit size(inch)	1/2"	1/2"
Pre setting no	9 Piece	9 Piece
LED light and colours	12 LED (2 Red+10 Green)	
Buzzer	Yes	Yes
Unit Selection	N.m/ ft.lb/ in.lb/ kg.cm/ degree	
Tork & Angle measuring range	6.8~135 N-m 5~99.5 ft-lb 60~1195 in-lb 69~1378 kg-cm 1~360°	17~340 N-m 12.5~250.7 ft-lb 150~3009 in-lb 173~3469 kg-cm 1~360°
Accuracy guaranteed range	27~135 N-m 19.9~99.5 ft-lb 239~1195 in-lb 276~1378 kg-cm 1~360°	68~340 N-m 50.1~250.7 ft-lb 602~3009 in-lb 694~3469 kg-cm 1~360°
Angle accuracy	+/- 2°	
Torque accuracy	±3%(CW)	±3%(CW)
	±4%(CCW)	±4%(CCW)
Data memory size	50	50
PRICE	540 \$	580 \$

DIGITAL SCREWDRIVER

- * Multiple functions including "Angle Setting", "Torque Setting", "Unit Setting", "Mode Setting", "Data Storage", "Data Clear", "Data Output" and "Online Calibration"
- * 9 pre-setting target torque values
- * Functions in both clockwise and anticlockwise directions
- * Audible and visible torque confirmation by means of buzzer and 2 LED display
- * Data memory size 250

Model : DT - 030 ~ DT - 340

Range : 30 ~ 340 N-m

Bit size : 1/4" , 1/2"

Torque accuracy : $\pm 1\%$ (CW) ve $\pm 2\%$ (CCW)

Lever type ratchet

Unique code for each wrench

Overload record

Water indicator inside

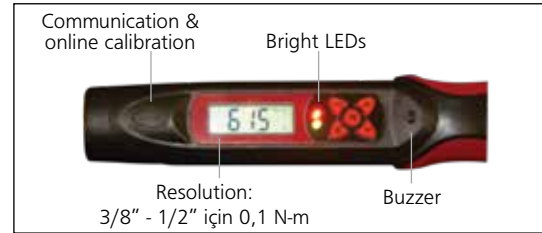
Bright LEDs

Buzzer

Anti slip grip handle

Strict environment test passed

Support AAx2 rechargeable battery



DIGITAL TORQUE WRENCH



Model	DT-030	DT-200	DT-340
Bit size(inch)	■ 1/4"	■ 1/2"	■ 1/2"
Head type	Fixed lever type ratched		
Lenght mm	390	530	650
Pre setting no	9 Piece	9 Piece	9 Piece
Gear teeth	36	36	36
LED light and colours	2 LED (1 Red+1 Green)		
Unit Selection	N.m/ ft.lb/ in.lb/ kg.cm/ degree		
Tork & Angle measuring range	1.5~30 N-m 1.11~22.12 ft-lb 13.3~265.5 in-lb 15.3~306.1 kg-cm	10 -200 N-m 29.5~147.5 ft-lb 354~1770 in-lb 408~2041 kg-cm	17-340 N-m 12.5~250.7 ft-lb 150~3009 in-lb 173~3469 kg-cm
Accuracy guaranteed range	6~30 N-m 4.4~22.12 ft-lb 53~265.5 in-lb 61~306.1 kg-cm	40 -200 N-m 29.5~147.5 ft-lb 354~1770 in-lb 408~2041 kg-cm	68-340 N-m 50.1~250.7 ft-lb 602~3009 in-lb 694~3469 kg-cm
Torque accuracy	±1%(CW)	±1%(CW)	±1%(CW)
	±2%(CCW)	±2%(CCW)	±2%(CCW)
Data memory size	250	250	250
Communication	Yes	Yes	Yes
Weight	1,36 Kg	2,14 Kg	2,34 Kg
PRICE	900 \$	1,000 \$	1,020 \$

DIGITAL TORQUE WRENCH

- * Standard functions including torque setting, unit setting, mode setting and online calibration
- * Functions in both clockwise and anticlockwise directions
- * LCD display showing N-m, ft-lb, in-lb and kg-cm measurements
- * Audible and visible torque confirmation by means of buzzer and side LED display
- * Easy set-up per application



Model	DT-850	DT-2000
Bit size(inch)	3/4"	1"
Head type	Fixed lever type ratched	
Lenght mm	1220	1800
Gear teeth	48	48
LED light and colours	12 LED (4 Red+8 Green)	
Unit Selection	N.m/ ft.lb/ in.lb/ kg.cm	N.m/ ft.lb
Tork & Angle measuring range	4 2.5~850 N-m 31.3~626.8 ft-lb 376~7521 in-lb 434~8674 kg-cm	100 -2000 N-m 74~1475 ft-lb
Accuracy guaranteed range	170~850 N-m 125.4~626.8 ft-lb 1504~7521 in-lb 1735~8674 kg-cm	400 -2000 N-m 295~1475 ft-lb
Torque accuracy	±2.5%(CW)	±2.5%(CW)
	±3.5%(CCW)	±3.5%(CCW)
Weight	9	14
PRICE	2,300 \$	4,000 \$

DIGITAL TORQUE WRENCH

- * Digital torque value readout
- * accuracy $\pm 2\%$
- * CW and CCW operation
- * Peak hold and track mode selectable
- * Buzzer and LED indicator
- * Engineering units (N-m, in-lb, kg-cm) selectable
- * Auto power off after about 5 minutes idle
- * Rechargeable batteries are compatible



Model	DBPE-006	DBPE-012	DBPE-020
Bit size(inch)	1/4"	1/4"	1/4"
Head type	Fixed lever type ratched		
Lenght mm	216	216	216
Gear teeth	60	60	60
LED light and colours	2 LED (1 Red+1 Green)		
Unit Selection	N.m / ft.lb / in.lb / kg.cm		
Tork & Angle measuring range	0,3~6 N.m 0,221~4,424 ft.lb 2,65~59,09 in.lb 3,06~61,22 kg.cm	0,6~12 N.m 0,44~8,85 ft.lb 5,3~106,2 in.lb 6,1~122,4 kg.cm	1~20 N.m 0,74~14,75 ft.lb 8,80~177 in.lb 10,2~204,1 kg.cm
Accuracy guaranteed range	1,2~6 N.m 0,88~4,424 ft.lb 10,6~59,09 in.lb 12,2~61,22 kg.cm	2,4~12 N.m 1,77~8,85 ft.lb 21,2~106,2 in.lb 24,5~122,4 kg.cm	4~20 N.m 2,95~14,75 ft.lb 35,40~177 in.lb 40,80~204,1 kg.cm
Torque accuracy	$\pm 2\%$ (CW)	$\pm 2\%$ (CW)	$\pm 2\%$ (CW)
	$\pm 3\%$ (CCW)	$\pm 3\%$ (CCW)	$\pm 3\%$ (CCW)
Data memory size	No	No	No
Communication	No	No	No
Resolution	0,001 N.m 0,001 ft.lb 0,01 in.lb 0,01 kg.cm		
Battery	AAA x 1	AAA x 1	AAA x 1
Weight	0,26 Kg	0,26 Kg	0,26 Kg
PRICE	680 \$	680 \$	680 \$

CW: Clockwise directions CCW: Anticlockwise directions

DIGITAL TORQUE WRENCH

- * Digital torque value readout
- * accuracy $\pm 2\%$
- * CW and CCW operation
- * Peak hold and track mode selectable
- * Buzzer and LED indicator
- * Engineering units (N.m, in.lb, kg.cm) selectable
- * Auto power off after about 5 minutes idle
- * Rechargeable batteries are compatible



Model	DTPE-012	DTPE-030	DTPE-085
Bit size (inch)	1/4"	1/4"	3/8"
Head type	Fixed lever type ratcheted		
Lenght mm	216	216	290
Gear teeth	60	60	60
LED light and colours	2 LED (1 Red+1 Green)		
Unit Selection	N.m / ft.lb / in.lb / kg.cm		
Tork & Angle measuring range	0,6~12 N.m 0,44~8,85 ft.lb 5,3~106,2 in.lb 6,1~122,4 kg.cm	1,5~30 N.m 1,11~22,12 ft.lb 13,3~265,5 in.lb 15,31~306,1 kg.cm	4,2~85 N.m 3,1~62,7 ft.lb 37~752 in.lb 43~867 kg.cm
Accuracy guaranteed range	2,4~12 N.m 1,77~8,85 ft.lb 21,2~106,2 in.lb 24,5~122,4 kg.cm	6~30 N.m 4,4~22,12 ft.lb 53~265,5 in.lb 61~306,1 kg.cm	17~85 N.m 12,5~62,7 ft.lb 150~752 in.lb 173~867 kg.cm
Torque accuracy	$\pm 2\%$ (CW)	$\pm 2\%$ (CW)	$\pm 2\%$ (CW)
	$\pm 3\%$ (CCW)	$\pm 3\%$ (CCW)	$\pm 3\%$ (CCW)
Data memory size	No	No	No
Communication	No	No	No
Resolution	0,001 N.m 0,001 ft.lb 0,01 in.lb 0,01 kg.cm		
Battery	AAA x 1	AAA x 1	AAA x 1
Weight	0,60 Kg	0,60 Kg	0,75 Kg
PRICE	680 \$	680 \$	710 \$

CW: Clockwise directions CCW: Anticlockwise directions

ANGLE DIGITAL TORQUE WRENCH

- * Digital torque value readout
- * accuracy $\pm 2\%$
- * CW and CCW operation
- * Peak hold and track mode selectable
- * Buzzer and LED indicator
- * Engineering units (N-m, in-lb, kg-cm) selectable
- * Auto power off after about 5 minutes idle
- * Rechargeable batteries are compatible



DTUA - 135 / DTUA - 200 / DTUA - 340



DTDE - 500

Model	DTUA-030	DTUA-135	DTUA-200	DTUA-340	DTDE-500
Bit size (inch)	1/4"	1/2"	1/2"	1/2"	3/4"
Head type	Fixed lever type ratched				Fixed lever type ratched
Uç Ebadı	9 x 12	9 x 12	9 x 12	14 x 18	3/4" DR
Lenght mm	390	410	545	640	950
Gear teeth	52T	52T	52T	52T	48T
LED light and colours	2 LED (1 Red+1 Green)				12 LED (4 Red+8 Green)
Unit Selection	N.m / ft.lb / in.lb / kg.cm / Angle				
Tork & Angle measuring range	1,5~30 N.m 1,11~22,12 ft.lb 13,3~265,5 in.lb 15,3~306,1 kg.cm 1~360°	6,8~135 N.m 5~99,5 ft.lb 60~1195 in.lb 69~1378 kg.cm 1~360°	10~200 N.m 17,4~147,5 ft.lb 88~1770 in.lb 102~2041 kg.cm 1~360°	17~340 N.m 12,5~250,7 ft.lb 150~3009 in.lb 173~3469 kg.cm 1~360°	25~500 N.m 14,8~368,7 ft.lb 221~4424 in.lb 255~5102 kg.cm 1~360°
Accuracy guaranteed range	6~30 N.m 4,4~22,12 ft.lb 53~265,5 in.lb 61~306,1 kg.cm 1~360°	27~135 N.m 19,9~99,5 ft.lb 239~1195 in.lb 276~1378 kg.cm 1~360°	40~200 N.m 29,5~147,5 ft.lb 354~1770 in.lb 408~2041 kg.cm 1~360°	68~340 N.m 50,1~250,7 ft.lb 602~3009 in.lb 694~3469 kg.cm 1~360°	100~500 N.m 73,7~368,7 ft.lb 885~4424 in.lb 1020~5102 kg.cm 1~360°
Torque accuracy	$\pm 2\%$ (CW)	$\pm 2\%$ (CW)	$\pm 2\%$ (CW)	$\pm 2\%$ (CW)	$\pm 2,5\%$ (CW)
	$\pm 3\%$ (CCW)	$\pm 3\%$ (CCW)	$\pm 3\%$ (CCW)	$\pm 3\%$ (CCW)	$\pm 3,5\%$ (CCW)
Data memory size	No	No	No	No	No
Communication	No	No	No	No	No
Resolution	0,001 N.m 0,001 ft.lb 0,01 in.lb 0,01 kg.cm / 1°				
Battery	AAA x 1	AAA x 1	AAA x 1	AAA x 1	AAA x 1
Weight	0,790 Kg	0,980 Kg	1,370 Kg	1,520 Kg	2,950 Kg
PRICE	1,070 \$	1,070 \$	1,140 \$	1,200 \$	2,370 \$

CW: Clockwise directions CCW: Anticlockwise directions

DIGITAL TORQUE WRENCH

- * Multiple functions including "Angle Setting", "Torque Setting", "Unit Setting", "Mode Setting", "Data Storage", "Data Clear", "Data Output" and "Online Calibration"
- * 9 pre-setting target torque values
- * Functions in both clockwise and anticlockwise directions
- * Data memory size 250
- * While using and the screen is invisible, the 12 LEDs would side visible to provide notice for target value

Model : DTU-030 ~ DTU-200

Range : 30 ~ 340 N-m

Bit size : 1/4" , 3/8" , 1/2"

Bit size : 9x12 , 14x18

Torque accuracy : $\pm 1\%$ or $\pm 2\%$ (CW)

Angle accuracy : $\pm 2^\circ$



DIGITAL TORQUE WRENCH



For the types which includes
BLUETOOTH and **WIRELESS**
specifications please contact
with us



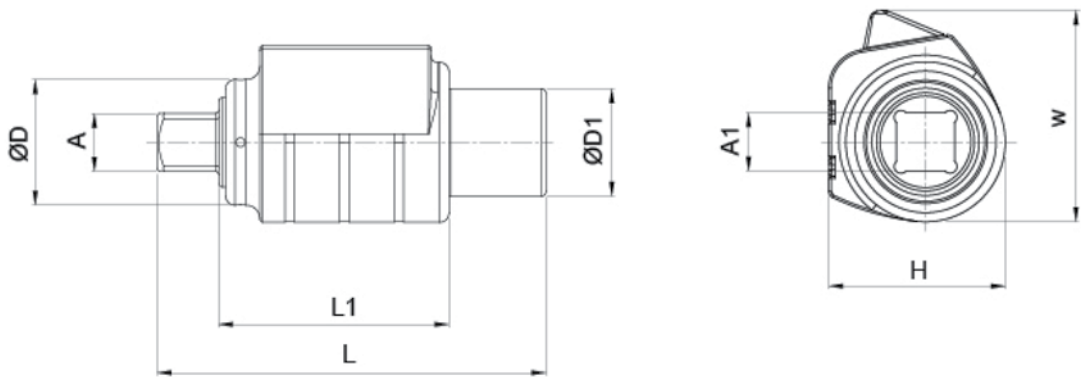
MODEL	DTU-030	DTU-060	DTU-135	DTU-200
Bit size (inch)	1/4"	3/8"	3/8"	1/2"
Head type	Interchangeable-round head ratchet			
Length mm	390	415	415	530
Dimensions W x H (mm)	12 x 9	12 x 9	12 x 9	18 x 14
Axial Distance (mm)	17,5	17,5	17,5	25
Gear teeth	9 pcs	9 pcs	9 pcs	9 pcs
Gear Teeth	52	52	52	52
LED light and colours	12 LEDS (2 Red+10 Green)			
Unit Selection	N.m/ ft.lb/ in.lb/ kg.cm/ Angle			
Tork & Angle measuring range	1.5~30 N-m 1.11~22.12 ft-lb 13.3~265.5 in-lb 15.3~306.1 kg-cm 1~360°	3~60 N-m 2.21~44.24 ft-lb 26.5~530.9 in-lb 30.6~612.2 kg-cm 1~360°	6.8-135 N-m 5~99.5 ft-lb 60~1195 in-lb 69~1378 kg-cm 1~360°	10-200 N-m 7.4~147.5 ft-lb 88~1770 in-lb 102~2041 kg-cm 1~360°
Accuracy guaranteed range	6~30 N-m 4.4~22.12 ft-lb 53~265.5 in-lb 61~306.1 kg-cm	12~60 N-m 8.8~44.24 ft-lb 106~530.9 in-lb 122~612.2 kg-cm	27-135 N-m 19.9~99.5 ft-lb 239~1195 in-lb 276~1378 kg-cm	40-200 N-m 29.5~147.5 ft-lb 354~1770 in-lb 408~2041 kg-cm
Angle accuracy	+/- 2° (Rotating 90° at speed of 30°/sec)			
Torque accuracy	±1%(CW) ±2%(CCW)	±1%(CW) ±2%(CCW)	±1%(CW) ±2%(CCW)	±1%(CW) ±2%(CCW)
Data memory size	250	250	250	250
Communication	Yes	Yes	Yes	Yes
Weight	0,790 Kg	0,980 Kg	0,980 Kg	1,370 Kg
PRICE	1,400 \$	1,500 \$	1,500 \$	1,550 \$

WIRELESS TORQUE ADAPTOR

FEATURES

- * Direction & Accuracy: CW $\pm$ 1%, CCW $\pm$ 1,5%
- * Operating Temperature: -5 ° C - + 55 ° C
- * Storage Temperature: -20 ° C - + 70 ° C
- * Humidity: 0-90%
- * Frequency: 2.4 GHz
- * Battery: 1.5V UM-4 (AAA) x 3
- * Distance: 20 meters

**Pls contact us for BLUETOOTH and WIRELESS
Featured models**



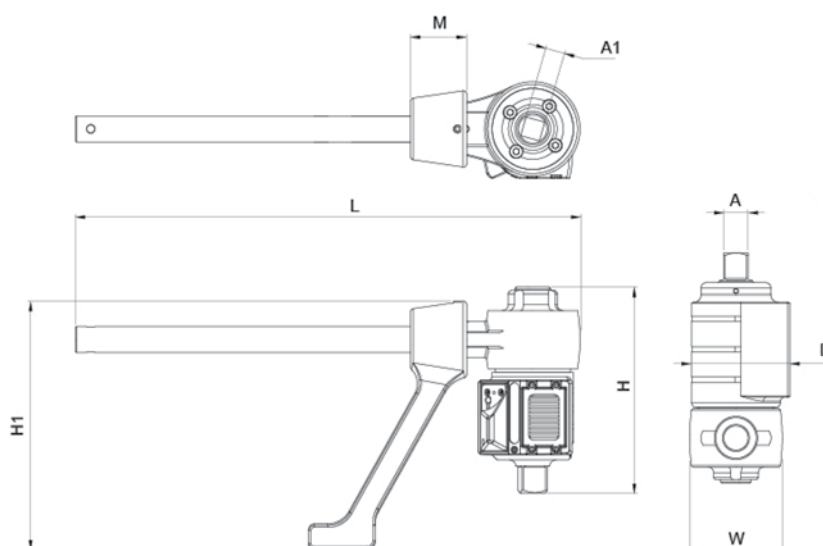
Code	A	A1	Working range	W mm	H mm	ØD mm	ØD1 mm	L mm	L1 mm	Weight kg	Price \$
WTA-2000	1"	1"	200-2000Nm	92,5	77,50	55,50	47	170,90	97,80	2,17	2,200

WIRELESS TORQUE MULTIPLIER

FEATURES

- * Direction & Accuracy: CW $\pm$ 1%, CCW $\pm$ 1,5%
- * Operating Temperature: -5 ° C - + 55 ° C
- * Storage Temperature: -20 ° C - + 70 ° C
- * Humidity: 0-90%
- * Frequency: 2.4 GHz
- * Battery: 1.5V UM-4 (AAA) x 3
- * Distance: 20 meters

**Pls contact us for BLUETOOTH and WIRELESS
Featured models**



Code	A	A1	Working range	Transfer Rate	W mm	H mm	H1 mm	L mm	M mm	D mm	Weight kg	Price \$
DTW-1500	1/2"	3/4"	150-1500Nm	3:1	72,2	182,90	221	421	40	92,50	3,77	2,190

TORQUE MULTIPLIER - 2700 Nm

- * Double planetary gear carriers provide high load capacity
- * Transmission ratio 5:1
- * Transmission accuracy $\pm 5\%$
- * The set includes 1 Straight and 1 Z type support arm.
- * Supplied with special design plastic box



Code	Min. N.m	Min. lbf.ft	Max. N.m	Max. lbf.ft	Transfer Rate	Input socket	Output socket	A	B	Weight g	Price \$
PTA-2700	540	400	2700	2000	5:1	3/4"	1"	108	128,3	6480	1,200

TORK ARTIRICI - 4500 Nm

- * Double planetary gear carriers provide high load capacity
- * Transmission ratio 26: 1
- * Transmission accuracy $\pm 5\%$
- * High power transmission offers lightweight solutions instead of long levers and heavy switches.
- * The set includes 1 Straight and 1 Z type support arm.
- * Robust design for long-lasting use.
- * Kickback safety mechanism for safe and comfortable use
- * Supplied with special design plastic box

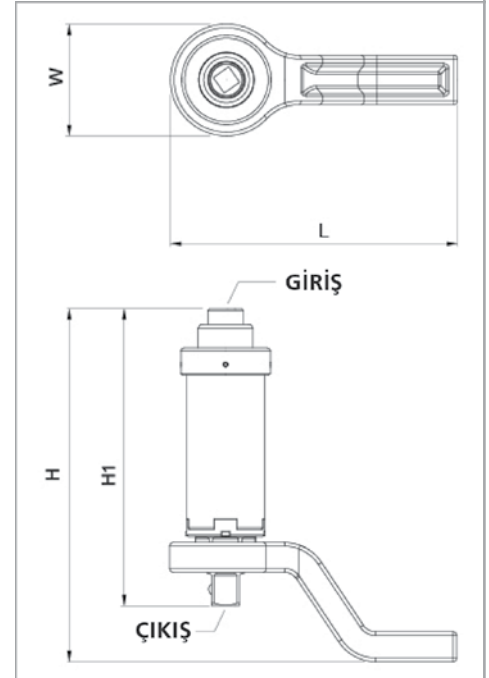


Code	Min. N.m	Min. lbf.ft	Max. N.m	Max. lbf.ft	Transfer Rate	Input socket	Output socket	A	B	Weight g	Price \$
PTA-4500	173	115	4500	3300	26:1	1/2"	1"	108	176,5	13000	4,150

TORQUE MULTIPLIER

FEATURES

- * Torque multiplication 1:10 & 1: 30
- * Multiplication accuracy
- * High ratio offer a idea to replace long lever arms and heavy wrenches
- * Robust construction for long time use
- * Anti backlash mechanism for safety and comfortable operation
- * Supplied with special design plastic box



PTA-4000



PTA-1500

Code	Min. N.m	Min. lbf.ft	Max. N.m	Max. lbf.ft	Transfer Rate	Input socket	Output socket	W	H	H1	L	Weight Kg	Price \$
PTA-1500	150	110	1500	1100	10:1	1/2"	3/4"	75	237	200	193	3,4	1,050
PTA-4000	400	300	4000	3000	10:1	1/2"	1. 1/2"	108	257	228	265	13	2,650

PRINTER AND TEST DEVICE

GAV-EPT SPECIFICATIONS

- * Large capacity memory: 16MB SDRAM, 4MB Flash
- * High speed thermal printing at speeds up to 7 IPS (177mm/s)
- * Supports USB, Serial and Internet ports for multi-purpose applications
- * Patented paper reel switching device for precise and fast printing positioning
- * Easy to create and print barcode labels with the label editing software GoLabel

GAV-EPT CONTENTS

- * Resolution: 203 dpi (8 point / mm)
- * Printing Speed: 4IPS (102 mm / sn)
- * Print Width: 2,1 / 2 "(54 mm)
- * Print Length: Min. 4 mm (0,16 inç); Maks. 1727 mm (68 inç)
- * Memory: user available capacity is 2MB
- * Paper roll outer diameter: maximum diameter



ETT-1000NP

GAV-EPT

ETT-1000NP SPECIFICATIONS:

- * Accuracy: $\pm \% 1$
- * Display: 5 Digits (Above 1000N), 7 segment LED (update rate of 5 per second) 4 Digits (Below 500N), 7 Segment LED (update rate of 5 per second)
- * Units Available in Nm, ftlb, kg-m
- * Temperature Range Operating
- * Temperature Range Storage: $-20^{\circ}\text{C} + 70^{\circ}\text{C}$
- * Sampling rate: 333 SPS
- * Auto reset hold time: 2 seconds
- * Real time torque reading
- * Direction : CW
- * AC 100 - 240V 50-60HZ / DC9-24V
- Aluminum Alloy House
- According to BS7882 and ISO6789



Code	Capacity	Dimensions (mm)	Weight g	Price \$
ETT-1000NP	50-1000Nm	205 (D) x 155 (W) x 76 (H)	4,060	2,150
GAV - ETP		100 (D) x 218 (W) x 172 (H)	1,070	1,700

DIGITAL TORQUE TESTER - ETT

- * Regular torque tool calibration to ensure repeat accuracy and compliance with international standards
- * Provides a wide range of instruments and transducers
- * All products in this category meet the requirement of ISO and precision beam and certified weight when calibrating torque transducers
- * Working Torque range: 1 Nm - 2000 Nm
- * Accuracy: % $\pm$ 1

FEATURES :

- * Accuracy: $\pm$ % 1
- * Display: 5 Digits (Above 1000N), 7 segment LED (update rate of 5 per second) 4 Digits (Below 500N), 7 Segment LED (update rate of 5 per second)
- * Temperature Range Operating: +5°C +40°C
- * Temperature Range Storage: -20°C + 70°C
- * Sampling rate: 333 SPS
- * Auto reset hold time: 2 seconds
- * Real time torque reading
- * Direction : CW
- * AC 100 - 240V 50-60HZ / DC9-24V
- * Aluminum Alloy House
- * According to BS7882 and ISO6789



Model : ETT - 15N



Model : ETT - 150N
ETT - 500N
ETT - 1000N
ETT - 2000N

Code	Capacity	Dimensions (mm)	Weight g	Price \$
ETT-15N	1-15Nm	205 (D) x 155 (W) x 76 (H)	2940	1,700
ETT-150N	7,5-150Nm	205 (D) x 155 (W) x 76 (H)	3440	1,720
ETT-500N	25-500Nm	205 (D) x 155 (W) x 76 (H)	4060	1,720
ETT-1000N	50-1000Nm	205 (D) x 155 (W) x 76 (H)	4060	1,840
ETT-2000N	100-2000Nm	205 (D) x 155 (W) x 76 (H)	4560	1,850

ELECTRICAL & DIGITAL TORQUE METER

- * It measures the torque value which is applied from wrench
- * Do not use for measurement of impact tool. Do not apply more than the specified torque



MODEL		TM-150A		
Measuring range		0.15~15.00 N~m / 1.5~132.0 lbf~in / 1.5~150.0 Kgf~cm		
Accuracy		from 200~1000 digit display within ±0,5% from 15~199 digit display within ±1 digit		
Display		3.5 figures of LCD		
Measuring direction		CW~CCW		
Measurement mode 3 way		peak load value hold. Indiction of real time torque value. Induction peak down point and hold.		
Data transfer		USB1.0 (Baud rate~19200)		
Power supply		6 VDC (Ni-Cd chargeable battery 1.2V×5 pil)		
Working time		Continuous working time is 8 hours, intermittent working time is around 12 hours.		
Battery life		Chargeable for 300 times or more. However, it varies depending on operating conditions		
Accuracy		Input: AC 120V, 220-240V Output: DC 12V 500mA		
Socket size		20 mm square and 9.5 mm square		
Code	Capacity	Dimensions (mm)	Weight g	Price \$
TM-150A	0,15-15 Nm	230 (D) x 123 (W) x 65 (H)	1,800	5,400



AIR MACHINE ACCESSORIES



AF-2

MINI FILTER REDUCER 1/4" < 8 \$



EW-B42

MINIATURE REGULATOR 1/4" < 8 \$



E-107-8

CONNECTOR 1/4" < 12 \$



JC-09

CONNECTOR 1/4" < 5 \$



E-107-3

AIR REGULATOR 1/4" < 6 \$



E-107-4

AIR REGULATOR WITH MANOMETER 1/4" < 12 \$





BALANCER AIR FUEL TIRE INFLATOR

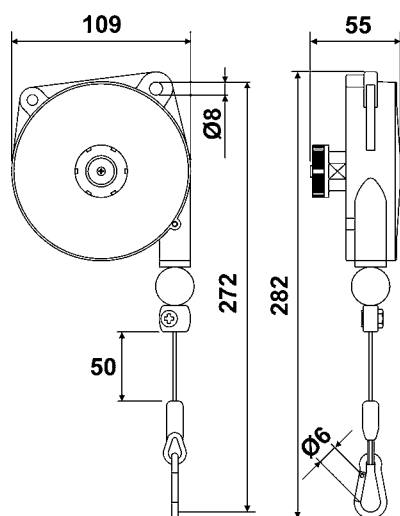


9300 - 9313

TECNA BALANCER



MADE IN ITALY



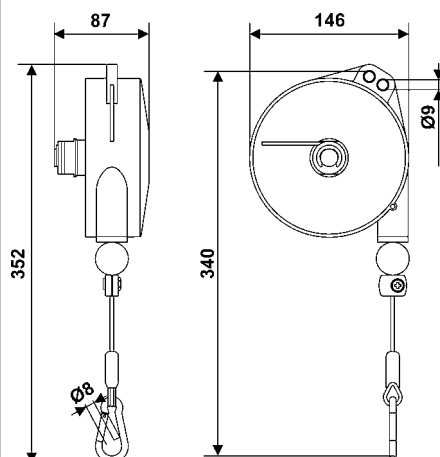
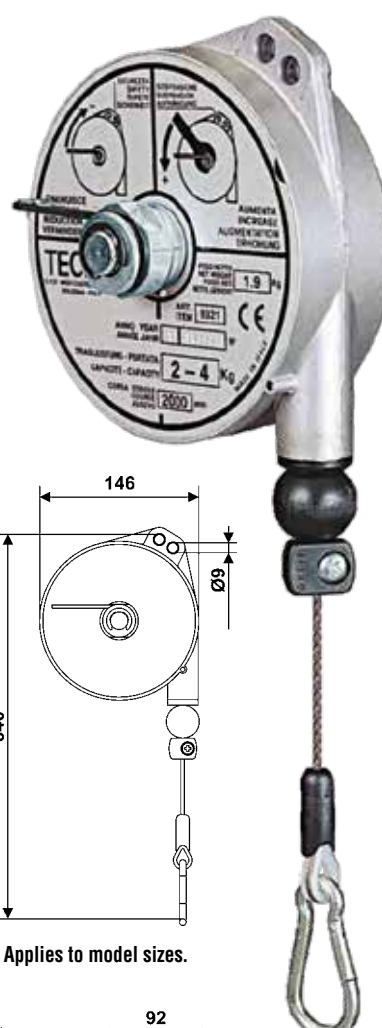
CODE	CAPACITY	LENGHT	WEIGHT	ROPE	BODY	PRICE / €
9300	0,2÷0,5	1,600 mm	0,43	Inox	Alü.	48,00 €
9311	0,4÷1	1,600 mm	0,57	Inox	Alü.	48,00 €
9312	1÷2	1,600 mm	0,60	Inox	Alü.	52,00 €
9313	2÷3	1,600 mm	0,74	Inox	Alü.	57,00 €

9321 - 9340

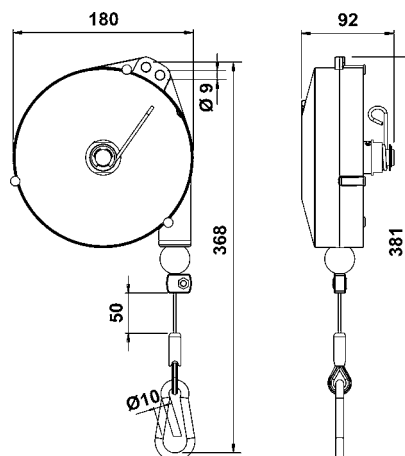
TECNA BALANCER



MADE IN ITALY



9321 - 9322 - 9323 Applies to model sizes.



9339 - 9340 Applies to model sizes.

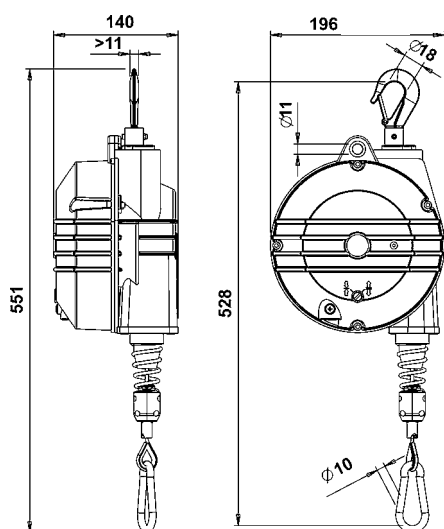
CODE	CAPACITY	LENGHT	WEIGHT	ROPE	BODY	PRICE / €
9321	2÷4	2,000 mm	1,90	Inox	Alü.	125 €
9322	4÷6	2,000 mm	1,98	Inox	Alü.	128 €
9323	6÷8	2,000 mm	2,28	Inox	Alü.	152 €
9339	8÷10	2,500 mm	3,43	Inox	Alü.	190 €
9340	10÷14	2,500 mm	3,58	Inox	Alü.	209 €

9357 - 9359

TECNA BALANCER



MADE IN ITALY



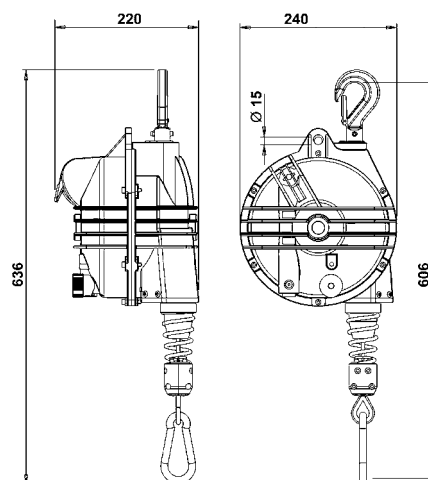
CODE	CAPACITY	LENGHT	WEIGHT	ROPE	BODY	PRICE / €
9357	14÷18	2,000 mm	6,26	Inox	Alü.	402 €
9358	18÷22	2,000 mm	5,89	Inox	Alü.	412 €
9359	22÷25	2,000 mm	6,53	Inox	Alü.	416 €

9363 - 9366

TECNA BALANCER



MADE IN ITALY



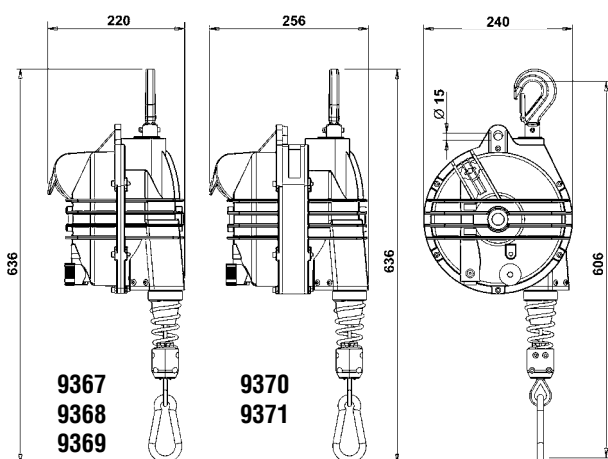
CODE	CAPACITY	LENGHT	WEIGHT	ROPE	BODY	PRICE / €
9363	20÷25	2,000 mm	9,29	Inox	Alü.	691 €
9364	25÷30	2,000 mm	10,14	Inox	Alü.	704 €
9365	30÷35	2,000 mm	10,14	Inox	Alü.	739 €
9366	35÷45	2,000 mm	11,03	Inox	Alü.	787 €

9367 - 9371

TECNA BALANCER



MADE IN ITALY



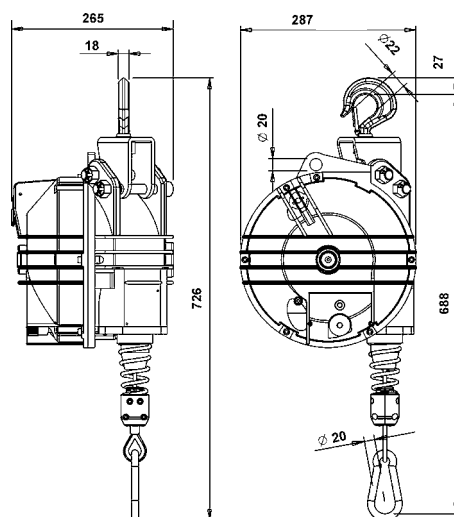
CODE	CAPACITY	LENGHT	WEIGHT	ROPE	BODY	PRICE / €
9367	45÷55	2,000 mm	11,03	Inox	Alü.	854 €
9368	55÷65	2,000 mm	11,87	Inox	Alü.	854 €
9369	65÷75	2,000 mm	12,67	Inox	Alü.	1,027 €
9370	75÷90	2,000 mm	15,65	Inox	Alü.	1,108 €
9371	90÷105	2,000 mm	16,58	Inox	Alü.	1,178 €

9435 - 9444

TECNA BALANCER



MADE IN ITALY

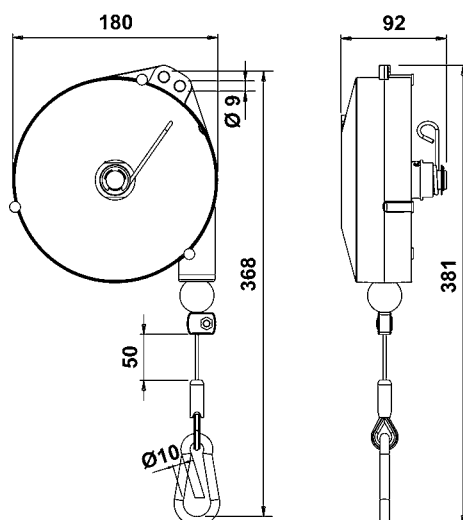


CODE	CAPACITY	LENGHT	WEIGHT	ROPE	BODY	PRICE / €
9435	40÷50	3,000 mm	23,65	Inox	Alü.	1,538 €
9436	50÷60	3,000 mm	24,69	Inox	Alü.	1,551 €
9441	60÷70	3,000 mm	25,56	Inox	Alü.	1,690 €
9442	70÷80	3,000 mm	26,75	Inox	Alü.	1,772 €
9443	80÷90	3,000 mm	27,90	Inox	Alü.	1,890 €
9444	80÷100	3,000 mm	28,46	Inox	Alü.	2,025 €

9346 - 9348 TECNA BALANCER (WITH STOP)



MADE IN ITALY



CODE	CAPACITY	LENGHT	WEIGHT	ROPE	BODY	PRICE / €
9346	2÷4	2,500 mm	3,14	İnox	Alü.	190 €
9347	4÷6	2,500 mm	3,32	İnox	Alü.	215 €
9348	6÷8	2,500 mm	3,38	İnox	Alü.	219 €

BG-1... BG-3

GAV BALANCER



CODE	CAPACITY	LENGHT	WEIGHT	ROPE	BODY	PRICE / €
BG-1	0,5÷1	2,000 mm	0,40	İnox	Pls.	22 \$
BG-2	1÷2	2,000 mm	0,45	İnox	Pls.	24 \$
BG-3	2÷3	2,000 mm	0,60	İnox	Pls.	26 \$

MOD 60A AIR GUN 9,50 €

MOD 60B AIR GUN (LONG) 12 €

MOD 61B GREASE GUN 26 €

MOD 60D TYRE INFLATOR 32 €

MOD 60GD TYRE INFLATOR (DIGITAL) 120 €

MOD POS-2 SPARE MANOMETER 9,90 €




FILTER - REDUCER LUBRICATOR



FRL-600A FILTER/REGULATOR+LUBRICATOR 1/4"
62 \$

SPECIFICATIONS

Air Inlet	1/4"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	2.080 Lt/dk
Quantity/box	40 pcs

FR-500A-02 FILTER / REGULATOR 1/4"
42 \$

SPECIFICATIONS

Air Inlet	1/4"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	2.080 Lt/dk
Quantity/box	60 pcs

UFR-02 FILTER / REGULATOR 1/4"
60 \$

SPECIFICATIONS

Air Inlet	1/4"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	2.600 Lt/dk
Quantity/box	16 Pcs

L200A-02 LUBRICATOR 1/4"
35 \$

SPECIFICATIONS

Air Inlet	1/4"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	
Quantity/box	20 pcs

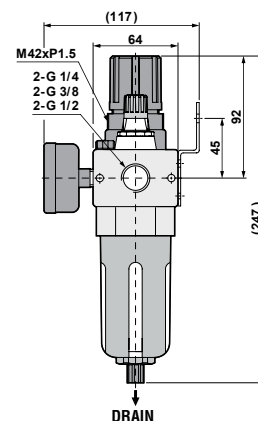
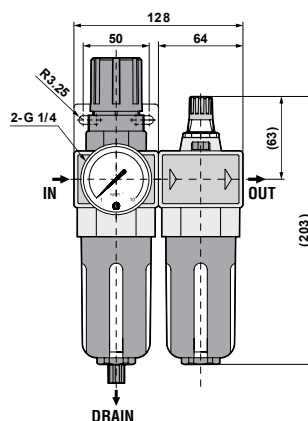
KUX-0030 SPARE MANOMETER
9 \$

DA-014W AUTO DRAIN
20 \$


UFR/L-04 FILTER/REGULATOR+LUBRICATOR 1/2" < 85 \$

SPECIFICATIONS

Air Inlet	1/2"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	2.600 Lt/dk
Quantity/box	10 pcs



AIR INLET IN TECHNICAL DRAWINGS IS FOR:
 1/4" FRL-600A
 1/2" UFR/L-04

UFR-04 FILTER REGULATOR 1/2" < 62 \$

SPECIFICATIONS

Air Inlet	1/2"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	2.600 Lt/dk
Quantity/box	16 pcs

UL-04 LUBRICATOR 1/2" < 50 \$

SPECIFICATIONS

Air Inlet	1/2"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	
Quantity/box	16 pcs

UR-04 PRESSURE REGULATOR 1/2" < 54 \$

SPECIFICATIONS

Air Inlet	1/2"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	2.600 Lt/dk
Quantity/box	25 pcs

UFR/L-06 FILTER/REGULATOR+LUBRICATOR 3/4" < 220 \$



SPECIFICATIONS

Air Inlet	3/4"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	7.940 Lt/dk
Quantity/box	4 pcs

UFR-06 FILTER REGULATOR 3/4" < 150 \$



SPECIFICATIONS

Air Inlet	3/4"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	7.940 Lt/dk
Quantity/box	8 pcs

UL-06 LUBRICATOR 3/4" < 113 \$



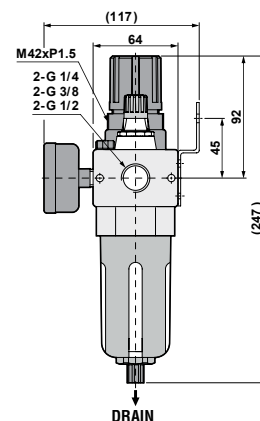
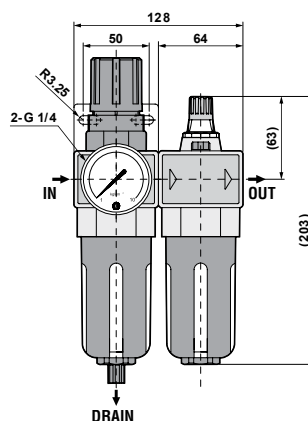
SPECIFICATIONS

Air Inlet	3/4"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	7.940 Lt/dk
Quantity/box	8 pcs

UFR/L-08
FILTER/REGULATOR+LUBRICATOR 1"
220 \$

SPECIFICATIONS

Air Inlet	1"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	8.200 Lt/dk
Quantity/box	4 pcs


AIR INLET IN TECHNICAL DRAWINGS IS FOR:

1/4" FRL-600A

1/2" UFR/L-04

UFR-08
FILTER REGULATOR 1"
150 \$

SPECIFICATIONS

Air Inlet	1"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	8.200 Lt/dk
Quantity/box	8 pcs

UL-08
LUBRICATOR 1"
120 \$

SPECIFICATIONS

Air Inlet	1"
Filter	10 Mikron
Working Pressure	0-10 Bar
Working Temperature	Max. 60°C
Water Capacity	150 ml.
Air Flow	8.200 Lt/dk
Quantity/box	4 pcs





POLYURETHANE AIR HOSE



POLYURETHANE AIR HOSE



Operating pressure : 7 - 10 Bar
Working temperature: -10, +60 °C

Code	Inner Diameter	Outside Diameter	Pressure kg/cm ²	Lenght mt	Meter Price \$	Price \$
GAV-04	2,5 mm	4 mm	50	200	0,28	56,00
GAV-06	4 mm	6 mm	50	200	0,47	94,00
GAV-08	5 mm	8 mm	50	100	0,86	86,00
GAV-085	5,5 mm	8 mm	50	100	0,80	80,00
GAV-10	6.5 mm	10 mm	50	100	1,22	122,00
GAV-12	8 mm	12 mm	50	100	1,72	172,00
GAV-16	12 mm	16 mm	50	100	3,20	320,00



Operating pressure : 7 - 10 Bar
Working temperature: -10, +60 °C

Code	Inner Diameter	Outside Diameter	Pressure kg/cm ²	Lenght mt	Meter Price \$	Price \$
GAV-04 T	2,5 mm	4 mm	50	200	0,28	56,00
GAV-06 T	4 mm	6 mm	50	200	0,47	94,00
GAV-08 T	5 mm	8 mm	50	100	0,86	86,00
GAV-085 T	5,5 mm	8 mm	50	100	0,80	80,00
GAV-10 T	6.5 mm	10 mm	50	100	1,22	122,00
GAV-12 T	8 mm	12 mm	50	100	1,72	172,00
GAV-16 T	12 mm	16 mm	50	100	3,20	320,00

POLYURETHANE SPIRAL AIR HOSE



Working temperature: -10, +60 °C

Code	Lenght	Quantity / Box	Price \$
GAV-081	5 x 8 x 7.5 mt.	50	12,00
GAV-082	5 x 8 x 15 mt.	30	20,00
GAV-101	6.5 x 10 x 7.5 mt.	40	20,00
GAV-102	6.5 x 10 x 15 mt.	20	25,00
GAV-121	8 x 12 x 7.5 mt.	40	20,00
GAV-122	8 x 12 x 15 mt.	20	35,00
GAV 161	11 x 16 x 7.5 mt.	1	42,00
GAV 162	11 x 16 x 15 mt.	1	75,00

RECOMMENDED ACCESSORIES



GAV MH-6512

AIR HOSE REEL

115 \$



AUTOMATIC PULLING MECHANISM

Hose Material:	PVC
Air Hose Length:	12 Mt.
Hose Diameter:	6,5 x 10 mm
Housing:	Composite Plastics
Working Pressure:	12 Bar
Fixed Hose Holder:	1 M.
Quantity/box:	4

GAV MH-0810

AIR HOSE REEL

120 \$



AUTOMATIC PULLING MECHANISM

Hose Material:	PVC
Air Hose Length:	10 M.
Hose Diameter:	8 x 12 mm
Housing:	Composite Plastic
Working Pressure:	12 Bar
Fixed Hose Holder:	1 M.
Quantity/box:	4

GAV MH-0815

AIR HOSE REEL

165 \$



AUTOMATIC PULLING MECHANISM

Hose Material:	PVC
Air Hose Length:	15 M.
Hose Diameter:	8 x 12 mm
Housing:	Composite Plastic
Working Pressure:	12 Bar
Fixed Hose Holder:	1 Mt.
Quantity/box:	1

GAV MH-0820

AIR HOSE REEL

190 \$

AUTOMATIC PULLING MECHANISM

Hose Material:	PVC
Air Hose Length:	20 M.
Hose Diameter:	8 x 12 mm
Housing:	Composite Plastic
Working Pressure:	12 Bar
Fixed Hose Holder:	1 M.
Quantity/box:	1



GAV MH-1020

AIR HOSE REEL

200 \$

AUTOMATIC PULLING MECHANISM

Hose Material:	PVC
Air Hose Length:	20 M.
Hose Diameter:	10 x 16 mm
Housing:	Composite Plastic
Working Pressure:	12 Bar
Fixed Hose Holder:	1 M.
Quantity/box:	1



GAV MS-15

WATER HOSE REEL

145 \$



AUTOMATIC PULLING MECHANISM

Hose Material:	PVC
Air Hose Length:	15 M.
Hose Diameter:	1/2"
Housing:	Composite Plastic
Working Pressure:	6 Bar
Fixed Hose Holder:	1 M.
Quantity/box:	1

GAV MS-20

WATER HOSE REEL

185 \$



AUTOMATIC PULLING MECHANISM

Hose Material:	PVC
Air Hose Length:	20 M.
Hose Diameter:	1/2"
Housing:	Composite Plastic
Working Pressure:	6 Bar
Fixed Hose Holder:	1 M.
Quantity/box:	1

GAV MS-30

WATER HOSE REEL

215 \$



AUTOMATIC PULLING MECHANISM

Hose Material:	PVC
Air Hose Length:	30 M.
Hose Diameter:	1/2"
Housing:	Composite Plastic
Working Pressure:	6 Bar
Fixed Hose Holder:	1 M.
Quantity/box:	1

ME-15
CABLE REEL
143 \$

Cable reel	3x1,5
Hose Length	12 M.
Hose material	Rubber
Housing	Plastic
Accessory	Metal Hanging Device
Socket	230 V
Fixed Hose Holder	1 M.
Quantity/box	4


PM-17LE
CABLE REEL
250 \$

Cable reel	3x1,5
Hose Length	17 M.
Hose material	Kauçuk
Housing	Plastik
Accessory	Metal Askı Aparatı
Socket	230 V
Fixed Hose Holder	1 M.
Quantity/box	4 Adet



821...

AIR HOSE REEL



MAJOR PLUS

- Automatic spring rewinding
- Plastic outer casing
- Steel swivelling wall bracket
- Ratchet stop device easily inspectable and removable by the end user
- Different hose lengths and dimensions are available
- Inlet and outer fittings sizes 1/4" & 3/8" GAS according to the hose
- CE approved

Code	Diameter hose	Length	Inlet collet	Outer collet	Max pressure	Air	Water temp.	Dimensions	Weight kg	Price €
821100	8x12 mm	15 m	1/4" F	1/4" M	15 bar	Max.15 bar	Max. 40°C	5,1 Kg	42 x 39 x 23	270
821300	10x15 mm	14+1 m	3/8" F	3/8" M	15 bar	Max.15 bar	Max. 40°C	5,6 Kg	42 x 39 x 23	290

707200

AIR HOSE REEL OPTIONAL SLOW MOTION

55 €



- Optional slow motion is available only for 821100&821300 models

808075

AIR HOSE REEL



COMPACT

- Automatic spring rewinding
- Plastic outer casing
- Steel swivelling wall bracket
- Ratchet stop device easily inspectable and removable by the end user
- Different hose lengths and dimensions are available
- Inlet and outer fittings sizes 1/4" GAS according to the hose
- CE approved

Note: Optional slow motion is available only for 707230 models



Code	Diameter hose	Length	Inlet collet	Outer collet	Max pressure	Air	Water temp.	Dimensions	Weight kg	Price €
808075	8x12 mm	12 m	1/4" F	1/4" M	15 bar	Max. 15 bar	Max. 40°C	4,1 Kg	36 x 33 x 21	225

880100

AIR HOSE REEL

MADE IN
ITALY



MEGA

- Automatic spring rewinding
- Plastic outer casing
- Steel swivelling wall bracket
- Ratchet stop device easily inspectable and removable by the end user
- Different hose lengths and dimensions are available
- Inlet and outer fittings sizes 1/4" & 3/8" GAS according to the hose
- CE approved



Code	Diameter hose	Length	Inlet collet	Outer collet	Max pressure	Air	Water temp.	Dimensions	Weight kg	Price €
880100	10x15 mm	20 m	3/8" F	3/8" M	15 bar	Max.15 bar	Max. 40°C	8,3 Kg	50 x 43,5 x 23,5	400



COUPLING



QC GM
COUPLING MALE HOUSING

SERIE: 150 DIN 7,2 = 40 mm² -20°C/ +100°C

CODE	SIZE	PRICE
QC 14 GMS B	1/4" Coupling Male Housing	4,60 €
QC 38 GM B	3/8" Coupling Male Housing	4,60 €
QC 12 GMT B	1/2" Coupling Male Housing	4,90 €

QC HB
COUPLING HOSE HOUSING

SERIE: 150 DIN 7,2 = 40 mm² -20°C/ +100°C

CODE	SIZE	PRICE
QC 06 HB B	6 mm Coupling Hose Housing	4,80 €
QC 08 HB B	8 mm Coupling Hose Housing	4,80 €
QC 10 HB B	10 mm Coupling Hose Housing	4,80 €
QC 13 HB B	13 mm Coupling Hose Housing	4,80 €

PL GF
COUPLING FEMALE END

SERIE: 150 DIN 7,2 = 40 mm² -20°C/ +100°C

CODE	SIZE	PRICE
PL 14 GF B	G 1/4" Coupling Female End	1.30 €
PL 38 GF B	G 3/8" Coupling Female End	1.55 €
PL 12 GF B	G 1/2" Coupling Female End	2.60 €

QC GF
COUPLING FEMALE HOUSING

SERIE: 150 DIN 7,2 = 40 mm ² -20°C/ +100°C		
CODE	SIZE	PRICE
QC 14 GF B	1/4" Coupling Female Housing	5,00 €
QC 38 GF B	3/8" Coupling Female Housing	5,00 €
QC 12 GF B	1/2" Coupling Female Housing	5,00 €


PL HB
HOSE HOLDER

SERIE: 150 DIN 7,2 = 40 mm ² -20°C/ +100°C		
CODE	SIZE	PRICE
PL 6 HB B	6 mm Hose Holder	0.90 €
PL 8 HB B	8 mm Hose Holder	0.90 €
PL 10 HB B	10 mm Hose Holder	0.95 €
PL 13 HB B	13 mm Hose Holder	1.35 €


PL GM
COUPLING MALE END

SERIE: 150 DIN 7,2 = 40 mm ² -20°C/ +100°C		
CODE	SIZE	PRICE
PL 14 GMS B	G 1/4" Coupling Male End	1.30 €
PL 38 GM B	G 3/8" Coupling Male End	1.55 €
PL 12 GMT B	G 1/2" Coupling Male End	2.60 €

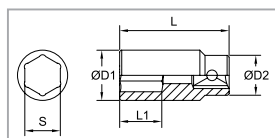






IMPACT SOCKETS

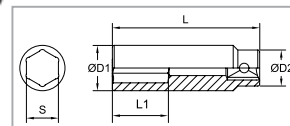


435...
IMPACT SOCKET 3/8"


Code	S	D1	D2	L	L1			Price \$
43506	6	11	19	30	12	40	20	3,50
43507	7	12,8	19	30	12	40	20	3,50
43508	8	14	19	30	12	40	20	3,50
43509	9	15,2	19	30	12	40	20	3,50
43510	10	16,5	19	30	12	40	20	3,50
43511	11	17,7	19	30	12	40	20	3,50
43512	12	19	19	30	12	40	20	3,50
43513	13	20,2	22	30	12	35	20	3,50
43514	14	21,5	22	30	12	55	20	3,50
43515	15	22	22	30	15	56	20	3,90
43516	16	24,0	22	30	15	62	20	3,90
43517	17	25,2	22	30	15	64	20	4,20
43518	18	26,0	22	30	15	68	20	4,20
43519	19	27,7	22	30	15	68	20	4,60
43520	20	28,0	22	30	15	62	20	4,95
43521	21	30,0	22	30	15	75	20	4,95
43522	22	32,0	22	30	15	86	20	5,30

8043...
IMPACT EXTENSION BAR 3/8"


Code	L (Inch)	Lmm	D			Price \$
8043075MPB	3"	75	19	75	10	7,35
8043125MPB	5"	125	19	80	10	9,40

4356...
IMPACT SOCKET (LONG) 3/8"


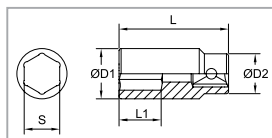
Code	S	D1	D2	L	L1			Price \$
4356306	6	11	19	63	20	100	20	6,80
4356307	7	12,8	19	63	20	100	20	6,80
4356308	8	14	19	63	20	100	20	6,80
4356309	9	15,2	19	63	20	100	20	6,80
4356310	10	16,5	19	63	20	95	20	6,80
4356311	11	17,7	19	63	20	88	20	6,80
4356312	12	19	19	63	20	86	20	6,80
4356313	13	20,2	22	63	20	123	20	6,80
4356314	14	21,5	22	63	20	116	20	6,80
4356315	15	22	22	63	27	110	20	7,00
4356316	16	24	22	63	19	127	20	7,00
4356317	17	25,2	22	63	18	150	20	7,90
4356318	18	26	22	63	17	138	20	8,70
4356319	19	27,7	22	63	18	162	20	8,70
4356320	20	28	22	63	20	155	20	8,70
4356321	21	30	22	63	20	178	20	10,00
4356322	22	32	22	63	20	190	20	10,00

809...
IMPACT ADAPTOR BALL TYPE

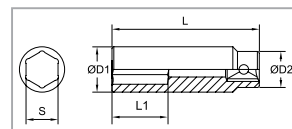

Code	Female	Male	D	L			Price \$
80932 MPB	3/8"	1/4"	22	32	30	10	4,10
80934 MPB	3/8"	1/2"	22	36	60	10	5,50

805...
IMPACT UNIVERSAL JOINT 3/8"


Code	D	L			Price \$
80531MPB	24	50	87	10	19,00

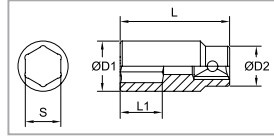
445...
IMPACT SOCKET 1/2"


Code	S	D1	D2	L	L1			Price \$
44508	8	15	24	38	12	60	10	3,45
44509	9	16	24	38	12	60	10	3,45
44510	10	17,5	24	38	12	64	10	3,45
44511	11	18,5	24	38	12	66	10	3,45
44512	12	19,5	24	38	12	66	10	3,45
44513	13	20,5	24	38	14	67	10	3,45
44514	14	22	24	38	14	69	10	3,45
44515	15	24	24	38	14	75	10	3,45
44516	16	24	24	38	15	72	10	3,60
44517	17	26	26	38	15	90	10	3,70
44518	18	28	26	38	15	110	10	4,40
44519	19	28	28	38	15	104	10	4,40
44520	20	30	30	38	15	124	10	4,70
44521	21	30	30	38	15	117	10	5,00
44522	22	32	30	38	16	130	10	5,50
44523	23	34	30	38	15	141	10	6,00
44524	24	34	30	38	16	135	10	6,00
44525	25	36	30	38	16	145	10	6,70
44526	26	36	30	38	15	143	10	6,70
44527	27	38	30	42	18	167	10	6,70
44528	28	40	30	42	18	190	10	7,70
44529	29	42	30	42	18	185	10	7,70
44530	30	42	30	42	18	192	10	8,50
44532	32	44	30	44	19	213	10	9,20

4458...
IMPACT SOCKET (LONG) 1/2"


Code	S	D1	D2	L	L1			Price \$
4458508	8	15	24	78	21	136	10	7,10
4458509	9	16	24	78	21	140	10	7,10
4458510	10	17,5	24	78	21	148	10	7,10
4458511	11	18,5	24	78	21	150	10	7,10
4458512	12	19,5	24	78	26	154	10	7,10
4458513	13	20,5	24	78	33	151	10	7,10
4458514	14	22	24	78	33	150	10	7,10
4458515	15	24	24	78	34	164	10	7,10
4458516	16	24	24	78	33	157	10	7,10
4458517	17	26	26	78	33	190	10	7,10
4458518	18	28	26	78	35	225	10	7,60
4458519	19	28	28	78	34	214	10	7,80
4458520	20	30	30	78	34	255	10	8,15
4458521	21	30	30	78	34	243	10	8,15
4458522	22	32	30	78	33	278	10	9,60
4458523	23	34	30	78	34	313	10	10,00
4458524	24	34	30	78	30	296	10	10,00
4458525	25	36	30	78	33	331	10	10,00
4458526	26	36	30	78	30	321	10	10,80
4458527	27	38	30	78	30	353	10	11,20
4458528	28	40	30	78	32	391	10	12,00
4458529	29	42	30	78	33	439	10	12,00
4458530	30	42	30	78	33	434	10	14,10
4458532	32	44	30	78	30	457	10	14,70

4485... IMPACT INCHES SOCKET 1/2"



Code	S	D1	D2	L	L1	gr	Price \$
44851116	11/16"	26	26	78	33	195	10 8,20

809... IMPACT ADAPTOR BALL TYPE



Code	Female	Male	D	L	gr	Price \$
80943 MPB	1/2"	3/8"	25	38	60	10 6,40
80946 MPB	1/2"	3/4"	30	48	152	10 12,40

458517MB SPECIAL IMPACT SOCKET FOR MERCEDES 1/2"



- Mercedes - Benz S Class için özel lokma

Code	S	D1	D2	L	gr	Price \$
458517MB	17	31	39	85	230	1 25,30

805... IMPACT UNIVERSAL JOINT 1/2"



Code	D	L	gr	Price \$
80541 MPB	30	63	145	10 20,00

8044... IMPACT EXTENSION BAR 1/2"



Code	L (Inch)	L	D	gr	Price \$
8044075 MPB	3"	75	25	90	10 8,60
8044125 MPB	5"	125	25	140	10 9,50
8044250 MPB	10"	250	25	440	5 15,00

446... IMPACT TORX SOCKET (FE) 1/2"



Code	S	D1	D2	L	L1	gr	Price \$
44610	E10	13,5	25	38	13	67	10 7,00
44612	E12	15,5	25	38	13	69	10 7,00
44614	E14	17,5	25	38	13	71	10 7,00
44616	E16	19,6	25	38	13	76	10 7,00
44618	E18	21,8	30	38	15	79	10 8,00
44620	E20	23,8	30	38	15	118	10 8,50
44622	E22	26,5	30	38	16	119	10 9,00
44624	E24	28,3	30	38	18	120	10 9,40

2460...
IMPACT TORX SOCKET 1/2"


Code	S	D	L			Price \$
24606020	T20	25	60	70	10	10,40
24606025	T25	25	60	70	10	10,40
24606027	T27	25	60	70	10	10,40
24606030	T30	25	60	70	10	10,40
24606040	T40	25	60	70	10	10,40
24606045	T45	25	60	75	10	10,70
24606050	T50	25	60	75	10	11,10
24606055	T55	25	60	85	10	11,10
24606060	T60	25	60	95	10	11,20
24606070	T70	25	60	110	10	12,20

2460...
IMPACT TORX BIT SOCKET 1/2"


Code	S	D	L			Price \$
246010020	T20	25	100	92	10	17,60
246010025	T25	25	100	92	10	17,60
246010027	T27	25	100	92	10	17,60
246010030	T30	25	100	102	10	18,30
246010040	T40	25	100	110	10	18,30
246010045	T45	25	100	110	10	18,30
246010050	T50	25	100	115	10	18,30
246010055	T55	25	100	120	10	18,30
246010060	T60	25	100	130	10	19,00
246010070	T70	25	100	150	10	19,00

2440...
IMPACT HEX BIT SOCKET 1/2"


Code	S	D	L			Price \$
24406004	4	25	60	70	10	9,00
24406005	5	25	60	70	10	9,00
24406006	6	25	60	70	10	9,00
24406008	8	25	60	75	10	10,00
24406010	10	25	60	85	10	10,00
24406012	12	25	60	95	10	10,00
24406014	14	25	60	110	10	10,00
24406017	17	25	60	160	10	10,00
24406019	19	25	60	175	10	12,30

2440...
IMPACT HEX BIT SOCKET (LONG) 1/2"


Code	S	D	L			Price \$
244010004	4	25	100	105	10	16,40
244010005	5	25	100	110	10	16,40
244010006	6	25	100	110	10	16,40
244010008	8	25	100	147	10	17,20
244010010	10	25	100	162	10	17,20
244010012	12	25	100	172	10	17,20
244010014	14	25	100	190	10	17,20
244010017	17	25	100	240	10	19,40
244010019	19	25	100	255	10	20,40

91034K
TWIST SOCKET (FE)


- For removing defective nuts and bolts
- Made of chrome molybdenum steel

Code	Explanation		Price \$
91034K	1/2" 10 pieces of twist socket (FE) Size: 10; 11; 12; 13; 14; 15; 16; 17, 19 mm Tommy bar (Lenght) 80 mm.	1	126,50

4032K
IMPACT SOCKET (FE) 1/2"


- For alloy wheels

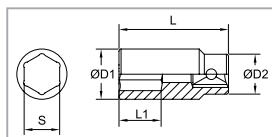
Code	Explanation		Price \$
4032K	1/2" 3 pieces Impact Socket (FE) Size: 17, 19, 21mm. (Lenght 85 mm.)	1	44,20

9103...
TWIST SOCKET 1/2"

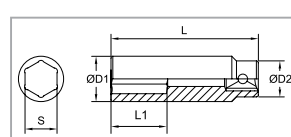

Code	S	D1	D2	L			Price \$
91034008	8	15	24	34	55	10	15,80
91034010	10	15	24	34	52	10	15,80
91034011	11	16,5	24	34	55	10	15,80
91034012	12	18	24	34	57	10	15,80
91034013	13	20,5	24	34	64	10	15,80
91034014	14	22	24	34	63	10	17,40
91034015	15	22,5	24	34	64	10	17,40
91034016	16	23	24	34	62	10	17,40
91034017	17	24	24	34	65	10	17,40
91034019	19	26	25	34	68	10	19,00
91034021	21	30	27	34	94	10	19,00
91034022	22	31,5	27	34	84	10	20,50
91034027	27	37	27	34	140	10	23,70

810...
6PT BUDD WHEEL IMPACT SOCKET


Code	Bits	Kare	D	L			Price \$
81025MPB	1/4"	1/4"	13	35	20	10	12,60
81032MPB	1/4"	3/8"	19	40	37	10	14,20
81045MPB	1/4"	1/2"	24	38	50	10	14,40

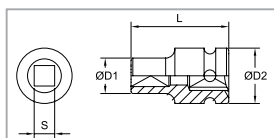
465...
IMPACT SOCKET 3/4"


Code	S	D1	D2	L	L1			Price \$
46517	17	29	44	51	17	350	1	14,00
46518	18	30	44	51	17	341	1	14,00
46519	19	32	44	51	17	338	1	14,00
46520	20	33	44	51	18	336	1	14,00
46521	21	35	44	51	18	356	1	14,00
46522	22	36	44	51	18	353	1	14,00
46523	23	38	44	51	18	358	1	14,00
46524	24	39	44	51	18	368	1	14,00
46525	25	41	44	54	17	382	1	14,00
46526	26	41	44	54	17	382	1	14,00
46527	27	42	44	54	18	388	1	14,00
46528	28	44	44	54	17	408	1	14,00
46529	29	46	44	54	17	420	1	14,00
46530	30	46	44	54	17	410	1	14,00
46532	32	48	44	57	18	450	1	15,50
46533	33	50	44	57	20	476	1	15,50
46534	34	52	44	57	19	516	1	15,50
46535	35	52	44	57	20	500	1	16,10
46536	36	54	44	57	20	520	1	16,60
46538	38	56	44	57	19	550	1	17,50
46541	41	60	44	58	24	616	1	19,30
46546	46	66	54	63	26	731	1	30,40
46550	50	71	54	68	27	1060	1	32,90
46555	55	77	54	73	30	1227	1	37,00
46560	60	84	54	75	32	1426	1	46,00
46565	65	88	54	78	37	1536	1	59,70
46570	70	96	54	84	42	1852	1	69,80

4651...
IMPACT SOCKET (LONG) 3/4"


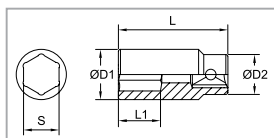
Code	S	D1	D2	L	L1			Price \$
46510017	17	29	44	90	37	572	1	20,70
46510018	18	30	44	90	37	538	1	20,70
46510019	19	32	44	90	37	584	1	20,70
46510020	20	32	44	90	37	590	1	20,70
46510021	21	35	44	90	37	602	1	20,70
46510022	22	36	44	90	36	596	1	20,70
46510023	23	38	44	90	36	642	1	20,70
46510024	24	39	44	90	37	634	1	20,70
46510025	25	41	44	90	37	636	1	20,70
46510026	26	41	44	90	37	628	1	20,70
46510027	27	42	44	90	36	624	1	20,70
46510028	28	44	44	90	37	654	1	21,30
46510029	29	46	44	90	36	704	1	21,80
46510030	30	46	44	90	37	693	1	21,90
46510032	32	48	44	90	37	712	1	21,90
46510033	33	50	44	90	37	780	1	23,60
46510034	34	52	44	90	38	838	1	23,60
46510035	35	52	44	90	38	772	1	26,60
46510036	36	54	44	90	50	818	1	26,60
46510038	38	54	44	90	50	846	1	29,00
46510041	41	60	44	90	50	950	1	34,50
46510046	46	66	44	90	50	1068	1	38,00
46510050	50	71	54	90	48	1344	1	47,00
46510055	55	77	54	90	46	1452	1	58,50
46510060	60	84	54	90	50	1590	1	71,00
46510065	65	88	54	90	50	1670	1	79,00
46510070	70	96	54	90	50	1890	1	86,00

461... 4PT BUDD WHEEL IMPACT SOCKET 3/4"



Code	S	D1	D2	L	L1			Price \$
46121	21	42	42	51	28	143	1	22,00
4619019	19	37	40	90	28	170	1	31,50
4619021	21	37	40	90	28	180	1	31,50

468... 12PT BUDD WHEEL IMPACT SOCKET 3/4"



Code	S	D1	D2	L	L1			Price \$
46827	27	42	44	54	18	311	1	15,80
46830	30	46	44	54	17	402	1	18,90
46832	32	48	44	57	18	434	1	18,90
46836	36	54	44	57	20	529	1	22,00

809... IMPACT ADAPTOR BALL TYPE 3/4" x 1/2"



80901 MY

Code	Female Socket	Male Socket	Price \$
80900MGA	3/4"	1/2"	22,50
80901MY	3/4"	1/2"	7,80

809... IMPACT ADAPTOR BALL TYPE



Code	Female	Male	D	L			Price \$
80964 MPB	3/4"	1/2"	44	58	332	2	16,80
80968 MPB	3/4"	1"	44	63	434	2	22,20

8046... IMPACT EXTENSION BAR 3/4"



Code	L (Inch)	D	L			Price \$
8046100 MPB	4"	44	100	600	2	27,00
8046150 MPB	6"	44	150	700	2	32,00
8046175 MPB	7"	44	175	800	2	37,40
8046200 MPB	8"	44	200	880	2	38,00
8046250 MPB	10"	44	250	1060	2	43,50
8046330 MPB	13"	44	330	1260	2	58,00

4665...
IMPACT TORX SOCKET 3/4"


Code	S	D1	D2	L			Price \$
4665020	E20	28,80	44	110	370	2	45,00
4665022	E22	31,30	44	110	390	2	45,00
4665024	E24	32,50	44	110	390	2	45,00
4665026	E26	35,00	44	110	460	2	45,00
4665028	E28	36,30	44	110	465	2	45,00

4641...
IMPACT TORX SOCKET 3/4"

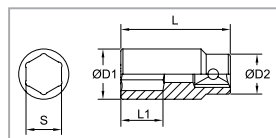

Code	S	D	L			Price \$
46410060	T60	44	100	530	2	33,90
46410070	T70	44	100	540	2	33,90
46410080	T80	44	100	570	2	33,90
46410090	T90	44	100	580	2	34,00
464100100	T100	44	100	600	2	34,80

805...
IMPACT UNIVERSAL JOINT 3/4"

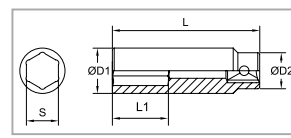

Code	D	L			Price \$
80561 MPB	44	90	600	1	59,00

2649...
IMPACT HEX BIT SOCKET 3/4"

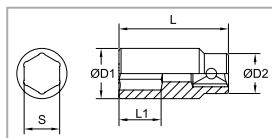

Code	S	D	L			Price \$
2649014	14	44	100	530	2	33,00
2649017	17	44	100	550	2	33,00
2649019	19	44	100	550	2	33,00
2649021	21	44	100	570	2	33,00
2649022	22	44	100	590	2	33,00
2649024	24	44	100	610	2	35,50
2649027	27	44	100	640	2	35,50
2649030	30	44	100	700	2	35,50
2649032	32	44	100	730	2	39,00
2649036	36	44	100	850	2	41,00

485...
IMPACT SOCKET 1"


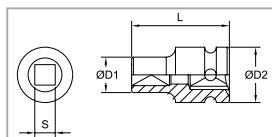
Code	S	D1	D2	L	L1	gr		Price \$
48521	21	38	54	58	17	576	1	20,50
48522	22	39	54	58	17	583	1	20,50
48523	23	41	54	58	17	596	1	20,50
48524	24	42	54	58	17	598	1	20,50
48525	25	43	54	58	17	582	1	20,50
48526	26	46	54	58	17	578	1	20,50
48527	27	46	54	58	17	612	1	20,50
48528	28	47	54	58	17	610	1	20,50
48529	29	48	54	58	18	608	1	20,50
48530	30	49	54	62	18	652	1	20,50
48532	32	52	54	62	19	679	1	20,50
48533	33	54	54	62	18	698	1	22,00
48534	34	54	54	62	19	680	1	22,00
48535	35	54	54	62	19	650	1	22,30
48536	36	56	54	65	19	720	1	23,80
48537	37	57	54	65	19	718	1	26,00
48538	38	58	54	65	31	744	1	26,00
48541	41	61	54	68	33	805	1	27,00
48542	42	62	54	70	31	892	1	31,00
48546	46	68	54	72	35	1063	1	33,00
48550	50	74	54	75	38	1176	1	39,00
48552	52	76	54	78	38	1178	1	45,50
48555	55	80	54	80	43	1458	1	52,00
48560	60	86	54	87	45	1688	1	65,00
48565	65	92	54	90	49	1850	1	72,50
48570	70	97	54	93	51	2044	1	98,00
48575	75	104	86	95	55	3276	1	131,00
48580	80	112	86	95	55	3854	1	150,00
48585	85	115	86	100	60	3872	1	170,00
48590	90	124	86	105	65	4425	1	207,00
48595	95	130	86	105	50	4474	1	215,00
485100	100	135	86	105	60	4210	1	220,00

4851...
IMPACT SOCKET (LONG) 1"


Code	S	D1	D2	L	L1	gr		Price \$
48510021	21	38	54	90	37	824	1	27,00
48510022	22	39	54	90	37	854	1	27,00
48510023	23	41	54	90	36	866	1	27,00
48510024	24	42	54	90	37	868	1	27,00
48510025	25	43	54	90	37	890	1	27,00
48510026	26	46	54	90	37	882	1	27,00
48510027	27	46	54	90	37	915	1	27,00
48510028	28	47	54	90	37	930	1	28,00
48510029	29	48	54	90	37	924	1	28,00
48510030	30	49	54	90	37	938	1	28,00
48510032	32	52	54	90	37	959	1	30,00
48510033	33	54	54	90	37	997	1	30,00
48510034	34	54	54	90	37	970	1	31,00
48510035	35	55	54	90	35	955	1	33,00
48510036	36	56	54	90	35	972	1	33,50
48510038	38	58	54	95	57	1065	1	38,50
48510041	41	61	54	95	58	1169	1	41,50
48510046	46	68	54	95	58	1350	1	47,50
48510050	50	74	54	100	62	1576	1	56,50
48510055	55	80	54	105	68	1870	1	73,00
48510060	60	86	54	110	72	2120	1	95,50
48512065	65	92	54	115	76	2468	1	123,00
48513570	70	97	54	120	80	2984	1	157,00
48513575	75	104	86	135	97	4284	1	185,00
48513580	80	112	86	135	96	5130	1	214,00
48513585	85	115	86	140	102	4750	1	350,00
48513590	90	124	86	140	100	5750	1	410,00
48513595	95	130	86	140	100	5932	1	480,00

4851.7.16
IMPACT SOCKET 1"


Code	S	D1	D2	L	L1			Price \$
4851.7.16	1.7/16"	44	54	68	25	720	1	40,00

481...
4PT BUDD WHEEL IMPACT SOCKET 1"


CODE	S	D1	D2	L	L1			Price \$
48119	19	44	54	58	25	600	1	37,90
48121	21	44	54	58	25	600	1	37,90
4819019	19	42	54	100	65	860	1	38,00
4819021	21	44	54	100	68	1020	1	38,00

2851...
IMPACT HEX BIT SOCKET 1"


CODE	S	D	L			Price \$
28510014	14	54	100	579	2	39,10
28510017	17	54	100	689	2	39,10
28510019	19	54	100	722	2	39,10
28510021	21	54	100	745	2	39,10
28510022	22	54	100	760	2	39,10
28510024	24	54	100	806	2	40,25
28510027	27	54	100	865	2	41,00
28510030	30	54	100	929	2	44,00
28510032	32	54	100	982	2	44,00
28510036	36	54	100	1102	2	46,00

8048...
IMPACT EXTENSION BAR 1"

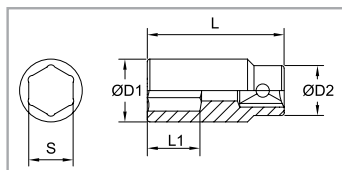

CODE	L (Inch)	D	L			Price \$
8048100 MPB	4"	54	100	1000	2	49,00
8048150 MPB	6"	54	150	1170	2	57,00
8048175 MPB	7"	54	175	1350	2	60,00
8048200 MPB	8"	54	200	1520	2	66,70
8048250 MPB	10"	54	250	1880	2	80,00
8048330 MPB	13"	54	330	2700	2	98,00

80581 MPB
IMPACT UNIVERSAL JOINT 1"

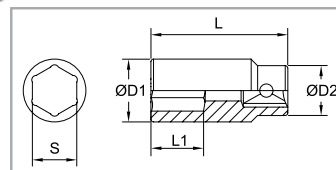

CODE	D	L			Price \$
80581 MPB	54	115	1600	1	135,00

80986 MPB
IMPACT ADAPTOR BALL TYPE 1"


CODE	FEMALE	MALE	D	L			Price \$
80986 MPB	1"	3/4"	54	70	560	1	25,00

4125...
IMPACT SOCKET 1.1/2"


CODE	S	D1	D2	L	L1			Price \$
412536	36	64	86	75	27	2250	1	236,00
412541	41	70	86	75	27	2233	1	236,00
412546	46	75	86	80	32	2325	1	236,00
412550	50	80	86	80	37	2100	1	248,00
412555	55	86	86	80	39	2525	1	255,00
412560	60	90	86	80	42	2650	1	265,00
412565	65	95	86	95	47	2483	1	282,00
412570	70	101	86	100	52	3300	1	311,00
412575	75	115	86	105	57	4000	1	340,00
412580	80	116	86	110	62	4175	1	388,00
412585	85	125	86	110	62	5000	1	435,00
412590	90	130	86	112	64	5175	1	475,00
412595	95	137	127	112	54	7700	1	535,00
4125100	100	140	127	115	51	8150	1	580,00
4125105	105	146	127	120	62	9100	1	670,00
4125110	110	154	127	124	66	10100	1	680,00
4125115	115	160	127	128	70	10800	1	850,00
4125120	120	167	127	132	74	11750	1	850,00
4125125	125	173	127	135	77	12300	1	1,085,00
4125130	130	180	127	135	77	13000	1	1,550,00

4125 L...
IMPACT SOCKET (LONG) 1.1/2"


CODE	S	D1	D2	L	L1			Price \$
412541 L	41	70	86	115	27	3500	1	425,00
412546 L	46	75	86	115	32	3390	1	435,00
412550 L	50	80	86	115	37	3840	1	455,00
412555 L	55	86	86	140	39	3840	1	455,00
412560 L	60	90	86	150	42	4170	1	485,00
412565 L	65	95	86	150	47	4430	1	615,00
412570 L	70	101	86	160	52	5100	1	660,00
412575 L	75	115	86	170	57	6180	1	720,00
412580 L	80	116	86	170	62	6550	1	720,00
412585 L	85	125	86	170	62	7750	1	800,00
412590 L	90	130	86	170	64	7880	1	890,00
412595 L	95	137	127	180	54	11300	1	1,000,00
4125100 L	100	140	127	190	51	13190	1	1,040,00
4125105 L	105	146	127	210	62	12940	1	1,100,00
4125110 L	110	154	127	210	66	15550	1	1,200,00
4125115 L	115	160	127	210	70	16600	1	1,320,00
4125120 L	120	167	127	210	74	18600	1	1,450,00
4125125 L	125	173	127	220	77	23000	1	1,620,00
4125130 L	130	180	127	220	77	24500	1	1,800,00


809...
IMPACT ADAPTOR BALL TYPE

CODE	FEMALE	MALE	D	L			Price \$
809812 MPB	1"	1-1/2"	54	90	1110	1	53,50
809128 MPB	1-1/2"	1"	86	100	2102	1	160,00



LED WORKING LIGHTS



G7643
FLASH LIGHT (WITH BATTERY)
20 \$


LED	CREXPG	
BATTERY	2 x AAA	
LIGHT OUT	High	100 Lumen
	Low	30 Lumen
WORK TIME	High	1,30 Hour
	Low	3 Hour
WATER RESISTANCE	IP 54	
DIMENSIONS	16 x 13,5 x 140 mm	

G7687
FLASH LIGHT (WITH BATTERY)
28 \$


LED	CREXPG	
BATTERY	3 x AAA	
LIGHT OUT	High	250 Lumen
	Low	35 Lumen
WORK TIME	High	4 Hour
	Low	20 Hour
WATER RESISTANCE	IP 54	
DIMENSIONS	36 x 36 x 123 mm	

G6552
HEADLAMP (WITH BATTERY)
24 \$

- * Ability to adapt according to ambient light

LED		COB
BATTERY		3 x AAA
LIGHT OUT	High	250 Lumen
	Low	85 Lumen
WORK TIME	High	3 Hour
	Low	10 Hour
WATER RESISTANCE		IP 54
DIMENSIONS		66 x 46 x 38 mm


G6543
HEADLAMP (CHARGED)
36 \$

LED		COB
BATTERY		3,7 V. 2,200 mAh
LIGHT OUT	High	150 Lumen
	Low	50 Lumen
WORK TIME	High	4 Hour
	Low	16 Hour
WATER RESISTANCE		IP 54
CHARGING TIME		4 Hour
DIMENSIONS		48 x 38 x 80 mm



G6851

CHARGEABLE LED LIGHT

39 \$



LED		2W COB + 1W TOSHIBA SMD
BATTERY		3.7 V 750 mAh 14500 Li-ion
LIGHT OUT	Side Light Max.	110 Lumen
	Side Light Min.	30 Lumen
	Peak Light Max.	60 Lumen
LIGHT DISTANCE	Side Light Max.	13 mt.
	Side Light Min.	8 mt.
	Peak Light Max.	35 mt.
WORK TIME	Side Light Max.	2 Hour
	Side Light Min.	6,5 Hour
	Peak Light Max.	3,5 Hour
WATER RESISTANCE		IPX0
IMPACT RESISTANCE		1,5 m
CHARGING TIME (Approx.)		2 Hour 5V/1A Charger
MAGNET		Yes
LENGTH		153 mm.
WIDTH		30 mm.

G6814

CHARGEABLE LED LIGHT

69 \$



LED		5W COB + 1W SMD 3030
BATTERY		3.7 V 4400 mAh Li-ion
LIGHT OUT	Side Light Max.	420 Lumen
	Side Light Min.	120 Lumen
	Peak Light Max.	45 Lumen
LIGHT DISTANCE	Side Light Max.	25 mt.
	Side Light Min.	14 mt.
	Peak Light Max.	35 mt.
WORK TIME	Side Light Max.	3 Hour
	Side Light Min.	10 Hour
	Peak Light Max.	25 Hour
WATER RESISTANCE		IPX0
IMPACT RESISTANCE		1,5 m
CHARGING TIME (Approx.)		4,5 Hour 5V/2A Charger
MAGNET		Yes
LENGTH		217 mm.
WIDTH		59 mm.

G6846
CHARGEABLE LED LIGHT
65 \$

LED		10W SMD LED +6000-6500 K 1W SMD LED +6000-6500 K
BATTERY		3.7 V 4400 mAh Li-ion
LIGHT OUT	Side Light Max.	420 Lumen
	Side Light Min.	120 Lumen
	Peak Light Max.	40 Lumen
LIGHT DISTANCE	Side Light Max.	-
	Side Light Min.	-
	Peak Light Max.	-
WORK TIME	Side Light Max.	3 Hour
	Side Light Min.	8 Hour
	Peak Light Max.	35 Hour
WATER RESISTANCE		IPX4
IMPACT RESISTANCE		1,5 m
CHARGING TIME (Approx.)		4 Hour 5V/2A Charger
MAGNET		Yes
LENGTH		190 mm.
WIDTH		60 mm.


G6847
CHARGEABLE LED LIGHT
50 \$

LED		5W COB + 1W SMD 3030
BATTERY		3.7 V 4400 mAh Li-ion
LIGHT OUT	Side Light Max.	240 Lumen
	Side Light Min.	70 Lumen
	Peak Light Max.	45 Lumen
LIGHT DISTANCE	Side Light Max.	20 mt.
	Side Light Min.	10 mt.
	Peak Light Max.	24 mt.
WORK TIME	Side Light Max.	3 Hour
	Side Light Min.	10 Hour
	Peak Light Max.	13 Hour
WATER RESISTANCE		IP54
IMPACT RESISTANCE		1,5 m
CHARGING TIME (Approx.)		4,5 Hour 5V/2A Charger
MAGNET		Yes
LENGTH		163 mm.
WIDTH		52 mm.





G6848

CHARGEABLE LED LIGHT

44 \$



LED		5W SMD LED +6000-6500 K 1W SMD LED +6000-6500 K
BATTERY		3.7 V 1000 mAh Polymer Battery
LIGHT OUT	Side Light Max.	110 Lumen
	Side Light Min.	30 Lumen
	Peak Light Max.	40 Lumen
LIGHT DISTANCE	Side Light Max.	-
	Side Light Min.	-
	Peak Light Max.	-
WORK TIME	Side Light Max.	2,5 Hour
	Side Light Min.	8 Hour
	Peak Light Max.	4,5 Hour
WATER RESISTANCE		IPX4
IMPACT RESISTANCE		1,5 m
CHARGING TIME (About)		2 Hour 5V/1A Charger
MAGNET		Yes
LENGTH		116 mm.
WIDTH		48 mm.





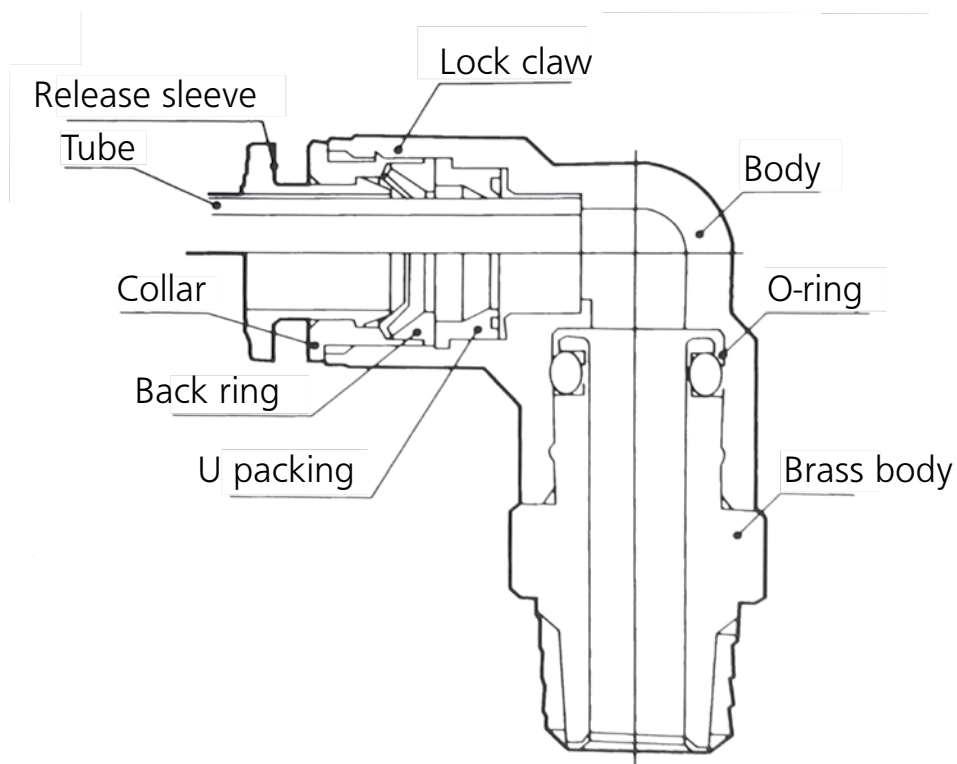
PNEUMATIC TUBE FITTINGS



PNEUMATIC TUBE FITTINGS

Features :

- * One touch push to connect configuration allows an instant connection
- * Smooth edge release sleeve design facilitates a quick tubing disconnection
- * Pre applied sealant on all external the reads eliminates the additional sealing requirement
- * Internal and/of external flat to flat hexagonal configurations for both metric and inch specifications
- * **Aesthetically pleasing nickel plated metallic optional feature ensures anticorrosion and anti containation properties of an extended product life.**



Specifications:

Fluid type	Air vacuum
Operating pressure	0 ~ 10,2 Kg / cm ² (0 ~ 1,0 Mpa)
Negative pressure	-750 mm Hg (10 Torr)
Operating temperature range	0 ~ 60 °C
Tube material	Polyurethane

TUBE FITTING FEMALE

CODE	SIZE		UNIT PRICE \$
PCF 04-01	G1/8" - 4	200	0,95
PCF 04-02	G1/4" - 4	100	1,30
PCF 06-01	G1/8" - 6	100	1,00
PCF 06-02	G1/4" - 6	100	1,38
PCF 06-03	G3/8" - 6	100	1,90
PCF 06-04	G1/2" - 6	100	2,30
PCF 08-01	G1/8" - 8	100	1,05
PCF 08-02	G1/4" - 8	100	1,40
PCF 08-03	G3/8" - 8	100	1,95
PCF 08-04	G1/2" - 8	100	2,35
PCF 10-01	G1/8" - 10	100	1,60
PCF 10-02	G1/4" - 10	100	1,70
PCF 10-03	G3/8" - 10	100	1,85
PCF 10-04	G1/2" - 10	50	2,55
PCF 12-02	G1/4" - 12	50	2,50
PCF 12-03	G3/8" - 12	50	2,55
PCF 12-04	G1/2" - 12	50	2,85



TUBE FITTING FLAT

CODE	SIZE		UNIT PRICE \$
PC 04-M5	M 5 - 4	200	0,55
PC 04-M6	M 6 - 4	200	0,62
PC 06-M5	M 5 - 6	200	0,68
PC 06-M6	M 6 - 6	200	0,70
PC 04-01	G 1/8" - 4	200	0,62
PC 04-02	G 1/4" - 4	100	0,82
PC 06-01	G 1/8" - 6	100	0,68
PC 06-02	G 1/4" - 6	100	0,85
PC 06-03	G 3/8" - 6	100	1,18
PC 06-04	G 1/2" - 6	100	1,95
PC 08-01	G 1/8" - 8	100	0,85
PC 08-02	G 1/4" - 8	100	0,85
PC 08-03	G 3/8" - 8	100	1,15
PC 08-04	G 1/2" - 8	100	1,95
PC 10-01	G 1/8" - 10	100	1,20
PC 10-02	G 1/4" - 10	100	1,35
PC 10-03	G 3/8" - 10	100	1,35
PC 10-04	G 1/2" - 10	50	1,82
PC 12-01	G 1/8" - 12	50	1,88
PC 12-02	G 1/4" - 12	50	1,88
PC 12-03	G 3/8" - 12	50	1,85
PC 12-04	G 1/2" - 12	50	2,35
PC 14-03	G 3/8" - 14	50	3,60
PC 14-04	G 1/2" - 14	50	3,85
PC 16-03	G 3/8" - 16	40	2,95
PC 16-04	G 1/2" - 16	40	2,95



TUBE FITTING FLAT - METRIC

CODE	SIZE		UNIT PRICE \$
PC-06 M6-12	6-12x1,5	100	1,10
PC-06 M6-14	6-14x1,5	100	1,35
PC-06 M6-16	6-16x1,5	100	1,45
PC-06 M6-22	6-22x1,5	100	2,54
PC-08 M8-12	8-12x1,5	100	1,00
PC-08 M8-14	8-14x1,5	100	1,05
PC-08 M8-16	8-16x1,5	100	1,15
PC-08 M8-22	8-22x1,5	100	2,05
PC-10 M10-12	10-12x1,5	100	1,45
PC-10 M10-14	10-14x1,5	100	1,35
PC-10 M10-16	10-16x1,5	100	1,40
PC-10 M10-22	10-22x1,5	50	2,15
PC-12 M12-12	12-12x1,5	50	2,00
PC-12 M12-14	12-14x1,5	50	2,40
PC-12 M12-16	12-16x1,5	50	2,40
PC-12 M12-22	12-22x1,5	50	2,60



TUBE FITTING FEMALE ELBOW



CODE	SIZE		UNIT PRICE \$
PLF 04-M5	M5-4	100	0,88
PLF 04-01	G 1/8"- 4	100	0,94
PLF 04-02	G 1/4"- 4	100	1,10
PLF 06-M5	M 5-6	100	0,88
PLF 06-01	G 1/8"- 6	100	0,94
PLF 06-02	G 1/4"- 6	50	1,27
PLF 06-03	G 3/8"- 6	50	1,76
PLF 06-04	G 1/2"- 6	50	2,20
PLF 08-01	G 1/8"- 8	50	1,05
PLF 08-02	G 1/4"- 8	50	1,40
PLF 08-03	G 3/8"- 8	50	1,95
PLF 08-04	G 1/2"- 8	40	2,40
PLF 10-01	G 1/8"- 10	50	1,45
PLF 10-02	G 1/4"- 10	40	1,70
PLF 10-03	G 3/8"- 10	40	2,20
PLF 10-04	G 1/2"- 10	30	2,65
PLF 12-02	G 1/4"- 12	40	2,50
PLF 12-03	G 3/8"- 12	30	2,60
PLF 12-04	G 1/2"- 12	30	2,95
PLF 16-03	G 3/8"- 16	20	4,30
PLF 16-04	G 1/2"- 16	20	4,80

TUBE FITTING MALE ELBOW



CODE	SIZE		UNIT PRICE \$
PL 04-M5	M 5 - 4	100	0,72
PL 04-M6	M 6 - 4	100	0,77
PL 06-M5	M 5 - 6	100	0,85
PL 06-M6	M 6 - 6	100	0,90
PL 04-01	G 1/8"- 4	100	0,77
PL 04-02	G 1/4"- 4	100	1,10
PL 06-01	G 1/8"- 6	100	0,90
PL 06-02	G 1/4"- 6	100	1,00
PL 06-03	G 3/8"- 6	50	1,30
PL 06-04	G 1/2"- 6	50	2,00
PL 08-01	G 1/8"- 8	50	1,05
PL 08-02	G 1/4"- 8	50	1,10
PL 08-03	G 3/8"- 8	50	1,45
PL 08-04	G 1/2"- 8	40	2,10
PL 10-01	G 1/8"- 10	50	1,70
PL 10-02	G 1/4"- 10	40	1,75
PL 10-03	G 3/8"- 10	40	1,75
PL 10-04	G 1/2"- 10	30	2,50
PL 12-01	G 1/8"- 12	40	2,25
PL 12-02	G 1/4"- 12	30	2,50
PL 12-03	G 3/8"- 12	30	2,40
PL 12-04	G 1/2"- 12	30	2,55
PL 16-03	G 3/8"- 16	20	4,20
PL 16-04	G 1/2"- 16	20	3,80

TUBE FITTING MALE ELBOW - METRIC



CODE	SIZE		UNIT PRICE \$
PL-06 M6-12	6-12x1,5	100	1,20
PL-06 M6-14	6-14x1,5	100	1,20
PL-06 M6-16	6-16x1,5	100	1,60
PL-06 M6-22	6-22x1,5	100	2,65
PL-08 M8-12	8-12x1,5	50	1,35
PL-08 M8-14	8-14x1,5	50	1,27
PL-08 M8-16	8-16x1,5	50	1,60
PL-08 M8-22	8-22x1,5	50	2,70
PL-10 M10-12	10-12x1,5	50	2,20
PL-10 M10-14	10-14x1,5	50	1,80
PL-10 M10-16	10-16x1,5	40	1,90
PL-10 M10-22	10-22x1,5	40	2,50
PL-12 M12-12	12-12x1,5	30	2,80
PL-12 M12-14	12-14x1,5	30	2,80
PL-12 M12-16	12-16x1,5	30	2,70
PL-12 M12-22	12-22x1,5	30	3,00

TUBE FITTING UNION T

CODE	SIZE		UNIT PRICE \$
PD 04-M5	M 5 - 4	100	1,15
PD 06-M5	M 5 - 6	100	1,22
PD 04-01	G 1/8" - 4	100	0,95
PD 04-02	G 1/4" - 4	100	1,35
PD 06-01	G 1/8" - 6	50	1,10
PD 06-02	G 1/4" - 6	50	1,45
PD 06-03	G 3/8" - 6	50	1,70
PD 06-04	G 1/2" - 6	50	2,65
PD 08-01	G 1/8" - 8	50	1,45
PD 08-02	G 1/4" - 8	40	1,60
PD 08-03	G 3/8" - 8	40	1,85
PD 08-04	G 1/2" - 8	30	2,80
PD 10-01	G 1/8" - 10	30	2,15
PD 10-02	G 1/4" - 10	20	2,20
PD 10-03	G 3/8" - 10	20	2,20
PD 10-04	G 1/2" - 10	20	3,20
PD 12-01	G 1/8" - 12	20	2,95
PD 12-02	G 1/4" - 12	20	3,00
PD 12-03	G 3/8" - 12	20	3,00
PD 12-04	G 1/2" - 12	20	3,20
PD 16-03	G 3/8" - 16	20	4,70
PD 16-04	G 1/2" - 16	20	4,70



TUBE FITTING UNION T

CODE	SIZE		UNIT PRICE \$
PB 04-M5	M 5 - 4	100	1,15
PB 06-M5	M 5 - 6	100	1,27
PB 04-01	G 1/8" - 4	100	1,00
PB 04-02	G 1/4" - 4	100	1,35
PB 06-01	G 1/8" - 6	50	1,15
PB 06-02	G 1/4" - 6	50	1,45
PB 06-03	G 3/8" - 6	50	1,80
PB 06-04	G 1/2" - 6	50	2,50
PB 08-01	G 1/8" - 8	50	1,55
PB 08-02	G 1/4" - 8	40	1,60
PB 08-03	G 3/8" - 8	40	1,90
PB 08-04	G 1/2" - 8	30	2,60
PB 10-01	G 1/8" - 10	20	2,10
PB 10-02	G 1/4" - 10	20	2,30
PB 10-03	G 3/8" - 10	20	2,30
PB 10-04	G 1/2" - 10	20	2,90
PB 12-01	G 1/8" - 12	20	3,00
PB 12-02	G 1/4" - 12	20	3,15
PB 12-03	G 3/8" - 12	20	3,15
PB 12-04	G 1/2" - 12	20	3,20
PB 16-03	G 3/8" - 16	20	4,90
PB 16-04	G 1/2" - 16	20	4,90



TUBE FITTING UNION Y

CODE	SIZE		UNIT PRICE \$
PX 04-M5	M 5 - 4	50	1,20
PX 04-01	G 1/8" - 4	50	0,95
PX 04-02	G 1/4" - 4	50	1,35
PX 06-M5	M 5 - 6	50	1,28
PX 06-01	G 1/8" - 6	50	1,05
PX 06-02	G 1/4" - 6	50	1,35
PX 06-03	G 3/8" - 6	50	1,70
PX 06-04	G 1/2" - 6	50	2,50
PX 08-01	G 1/8" - 8	50	1,45
PX 08-02	G 1/4" - 8	50	1,50
PX 08-03	G 3/8" - 8	50	1,80
PX 08-04	G 1/2" - 8	50	2,60
PX 10-01	G 1/8" - 10	30	1,95
PX 10-02	G 1/4" - 10	30	2,10
PX 10-03	G 3/8" - 10	30	2,10
PX 10-04	G 1/2" - 10	30	2,90
PX 12-01	G 1/8" - 12	20	2,90
PX 12-02	G 1/4" - 12	20	3,00
PX 12-03	G 3/8" - 12	20	3,00
PX 12-04	G 1/2" - 12	20	3,15
PX 16-03	G 3/8" - 16	20	4,70
PX 16-04	G 1/2" - 16	20	4,70



TRANSITION NIPEL



CODE	SIZE		UNIT PRICE \$
PM 04	4	50	1,45
PM 06	6	50	1,60
PM 08	8	50	1,90
PM 10	10	50	3,05
PM 12	12	50	3,85

SPEED SETTER



CODE	SIZE		UNIT PRICE \$
JSC 04-M5	M 5- 4	100	2,95
JSC 06-M5	M 5- 6	100	3,10
JSC 04-01	G 1/8"- 4	100	2,80
JSC 04-02	G 1/4"- 4	100	3,40
JSC 06-01	G 1/8"- 6	100	3,10
JSC 06-02	G 1/4"- 6	50	3,40
JSC 06-03	G 3/8"- 6	40	4,85
JSC 06-04	G 1/2"- 6	50	6,60
JSC 08-01	G 1/8"- 8	50	2,90
JSC 08-02	G 1/4"- 8	50	3,40
JSC 08-03	G 3/8"- 8	30	5,20
JSC 08-04	G 1/2"- 8	30	6,65
JSC 10-02	G 1/4"- 10	30	4,40
JSC 10-03	G 3/8"- 10	20	5,00
JSC 10-04	G 1/2"- 10	20	7,00
JSC 12-02	G 1/4"- 12	30	4,80
JSC 12-03	G 3/8"- 12	20	5,90
JSC 12-04	G 1/2"- 12	20	7,00

SINTER MUFFLER (LONG)



CODE	SIZE		UNIT PRICE \$
B 06B	1/8"	30	0,65
B 08B	1/4"	30	1,05
B 10B	3/8"	20	1,70
B 15B	1/2"	20	2,70

SINTER MUFFLER (SHORT)



CODE	SIZE		UNIT PRICE \$
V 06V	1/8"	30	0,50
V 08V	1/4"	30	0,75
V 10V	3/8"	20	1,15
V 15V	1/2"	20	1,65

SINTER MUFFLER SPRING



CODE	SIZE		UNIT PRICE \$
SD 06	1/8"	30	1,85
SD 08	1/4"	20	2,25
SD 10	3/8"	20	3,70

SPEED SETTER FOR LINE

CODE	SIZE		UNIT PRICE \$
PA 04	4	50	4,20
PA 06	6	50	4,90
PA 08	8	30	5,30
PA 10	10	20	5,70
PA 12	12	12	6,60



MINI VALVE

CODE	SIZE		UNIT PRICE \$
HVFF 06-06	6	30	5,50
HVFF 08-08	8	30	5,50
HVFF 10-10	10	20	7,80
HVFF 12-12	12	20	7,80



PLAT NIPPLE

CODE	SIZE		UNIT PRICE \$
PU 04	4	100	0,42
PU 05	5	100	0,60
PU 06	6	100	0,48
PU 07	7	100	0,75
PU 08	8	100	0,54
PU 09	9	50	0,85
PU 10	10	50	0,72
PU 11	11	40	1,10
PU 12	12	40	0,94
PU 14	14	20	2,60
PU 15	15	20	2,80
PU 16	16	20	1,95



REDUCTION

CODE	SIZE		UNIT PRICE \$
PG 06-04	6 x 4	100	0,50
PG 08-04	8 x 4	100	0,88
PG 08-06	8 x 6	100	0,65
PG 10-06	10 x 6	50	1,15
PG 10-08	10 x 8	50	0,85
PG 12-10	12 x 10	40	1,20
PG 16-12	16 x 12	20	2,15



ELBOW

CODE	SIZE		UNIT PRICE \$
PV 04	4	100	0,38
PV 06	6	100	0,42
PV 08	8	50	0,48
PV 10	10	40	0,67
PV 12	12	30	0,95
PV 14	14	20	2,50
PV 16	16	20	1,88



REDUCTION

CODE	SIZE		UNIT PRICE \$
PPGJ 06-04	06 x 04	100	0,70
PPGJ 08-06	08 x 06	100	0,80
PPGJ 10-08	10 x 08	50	1,00
PPGJ 12-10	12 x 10	50	1,30



UNION CROSS



CODE	SIZE		UNIT PRICE \$
PZA 04	4	50	0,80
PZA 06	6	50	1,00
PZA 08	8	40	1,05
PZA 10	10	30	1,55
PZA 12	12	30	1,85

UNION T



CODE	SIZE		UNIT PRICE \$
PE 04	4	50	0,50
PE 06	6	50	0,60
PE 08	8	50	0,70
PE 10	10	30	1,05
PE 12	12	20	1,30
PE 14	14	20	3,15
PE 16	16	10	2,40

REDUCTION T



CODE	SIZE		UNIT PRICE \$
PEG 06-04	6 x 6 x 4	50	0,85
PEG 06-06	6 x 6 x 8	50	0,75
PEG 08-06	8 x 8 x 6	50	0,75
PEG 10-08	10 x 10 x 8	30	0,97
PEG 12-10	12 x 12 x 10	20	1,38
PEG 16-12	16 x 16 x 12	10	2,58

ELBOW Y



CODE	SIZE		UNIT PRICE \$
PY 04	4	50	0,65
PY 06	6	50	0,75
PY 08	8	50	0,95
PY 10	10	30	1,20
PY 12	12	20	1,30
PY 16	16	20	2,25

REDUCTION ELBOW Y



CODE	SIZE		UNIT PRICE \$
PW 06-04	6 x 6 x 4	50	0,70
PW 08-06	8 x 8 x 6	50	0,78
PW 10-08	10 x 10 x 8	50	1,05
PW 12-10	12 x 12 x 10	20	1,25
PW 16-12	16 x 16 x 12	20	2,45

STOPPER



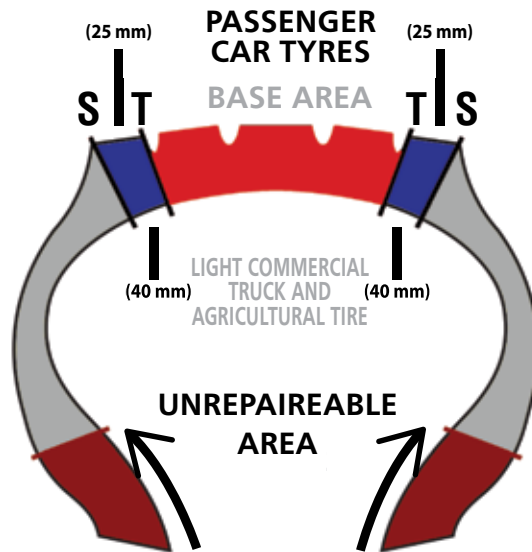
CODE	SIZE		UNIT PRICE \$
PP 04	4	100	0,33
PP 06	6	100	0,42
PP 08	8	100	0,42
PP 10	10	50	0,45
PP 12	12	50	0,70



PATCHES VALVES



PATCH USAGE INSTRUCTIONS



Patch Repair List Selection Chart						
Vehicle	Tire Size	Injury size (mm)				
		Side Wall		Hill		Blue Chemical
		L	W	L	C	
Vehicle	Q	12	6	10	10	8
		35	20	20	20	14
	S/T	12	6	8	8	6
		30	15	12	12	12
SUV	H	6	6	6	6	3
				3	3	
	V					
Light Truck Commercial	165 - 215	6	6	6	6	12
		30	15	15	15	8
		10	10	10	10	20
		60	15	15	15	22
Heavy Truck Commercial	6.00 - 7.50	50	20	40	25	10
	7.00 - 8.50	80	10			40
		60	25			24
		80	1 cable			
Multi Axle Heavy Truck	8.25 - 10.00	60	2 cable			
	9.00 - 11.00	10	6	10	10	8
	12.00 - 15.00	80	10	40	20	15
	235 - 285	60	20			42
Treyler / Tir	11.00 - 13.00	110	10	50	25	20
	12.00 - 15.00	80	25			44
	12/ - 13/ - 295/ - 365	130	20	70	40	25
		80	40			45
Treyler / Tir	14.00					25
	16.50					35
	15.50					45
	385/ 445					
Treyler / Tir		60	40			26
		120	1 cable			26
		60	2 cable			28
		140	1 cable			28
Treyler / Tir		80	2 cable			30
		30	12	12	12	10
		100	10	30	20	20
		60	20			25
Treyler / Tir		130	20	50	30	25
		60	30			30
		100	40	70	40	30

L - Length in mm in radial running direction
W - Width of injury in cables of body plies
C - Diameter of injury in the body plies on crown
S - Cable damage of the body plies

UNREPAIRABLE AREA

Passenger car	40 mm
UNREPAIRABLE AREA TRUCK TYRES	
6,50 - 700 (165 - 195)	65 mm
7,50 - 16,00 (205 - 385)	75 mm
17,5 - 23,5 (425 - 600)	90 mm
UNREPAIRABLE AREA AGRICULTURAL TYRES	
13,6 - 16,9 (345 - 430)	100 mm
18,4 - 20,8 (465 - 530)	115 mm
23,1 & üzeri (585 & üzeri)	140 mm

Patch Repair List Selection Chart

length of injury		Tire Value							
Inches	mm	10 - 14	16 - 20	22 - 28	30 - 36	38 - 44	46 - 50	52 - 54	54 - 60 and Over
1/2	13								
1	25	0	1	1	1	1	1	2	3
1-1/2	40								
2	50	1	1	1	1	1	2	2	3
2-1/2	65								
3	75	2	2	2	3	4	4	5	6
4	100								
5	125	2	3	3,5	4	4	5	6	7
6	150								
7	175	—	3,5	4	5	6	6	7	8
8	200								
9	225	—	—	5	7	7	7	8	10
10	250								
11	275	—	—	7	7	8	8	—	—
12	300			8	8	8	8	—	—

"Length of Injury"
Build by measuring the maximum damage in the upper body floor

RADIAL TYRE PATCHES

CODE	DIMENSIONS mm	PACKAGE / PCS	UNIT PRICE \$	PACKAGE PRICE \$
GAV - R10	56 x 77	20	0,55	11,00
GAV - R12	70 x 120	10	1,05	10,50
GAV - R14	82 x 130	10	1,25	12,50
GAV - R15	75 x 90	10	1,00	10,00
GAV - R18	75 x 100	10	1,35	13,50
GAV - R20	85 x 135	10	1,75	17,50
GAV - R25	119 x 133	10	2,80	28,00
GAV - R35	130 x 180	10	3,80	38,00
GAV - R40	115 x 200	10	3,40	34,00
GAV - R42	130 x 270	10	5,50	55,00
GAV - R44	130 x x335	10	6,50	65,00
GAV - R45	180 x 230	5	6,80	34,00
GAV - R46	180 x 440	5	9,50	47,50



SOFT RADIAL TYRE PATCHES

CODE	Ø DIMENSIONS mm	PACKAGE PCS	UNIT PRICE \$	PACKAGE PRICE \$
GAV - Y10	55 x 75	10	0,62	6,20



BIAS TYRE PATCHES

CODE	Ø DIMENSIONS mm	PACKAGE PCS	UNIT PRICE \$	PACKAGE PRICE \$
GAV - S04	40	50	0,10	5,00
GAV - S05	52	30	0,16	4,80
GAV - S06	61	30	0,22	6,60
GAV - S07	76	30	0,46	13,80



DIAGONAL TYRE PATCHES



CODE	Ø DIMENSIONS mm	PACKAGE PCS	UNIT PRICE \$	PACKAGE PRICE \$
GAV - K01	60	20	0,55	11,00
GAV - K02	80	20	0,80	16,00
GAV - K03	115	25	1,70	42,50
GAV - K04	135	25	2,30	57,50
GAV - K05	155	10	3,30	33,00
GAV - K06	262	10	5,00	50,00
GAV - K07	311	10	8,00	80,00
GAV - K08	350	10	11,00	110,00

NAIL HOLE PATCH



CODE	Ø DIMENSIONS mm	PACKAGE PCS	UNIT PRICE \$	PACKAGE PRICE \$
GAV - T00	43	100	0,10	10,00
GAV - T01	52	100	0,22	22,00
GAV - T02	65 x 66	50	0,36	18,00
GAV - T03	78	50	0,45	22,50

SOFT NAIL HOLE PATCH



CODE	Ø DIMENSIONS mm	PACKAGE PCS	UNIT PRICE \$	PACKAGE PRICE \$
GAV - Y00	40	50	0,12	6,00
GAV - Y01	48	100	0,25	25,00
GAV - Y02	54	50	0,34	17,00

PILOT WIRE PATCH PLUG

CODE	Ø DIMENSIONS mm	PACKAGE PCS	UNIT PRICE \$	PACKAGE PRICE \$
GAV - M45	4,5	20	0,90	18,00
GAV - M60	6,0	20	1,10	22,00
GAV - M80	8,0	20	1,40	28,00
GAV - M100	10	20	2,00	40,00



PLUG STEMS

KOD	AÇIKLAMA	EBAT mm	PKC / PCS	UNIT PRICE \$	PACKAGE PRICE \$
GAV - F101	Brown Plug Stems	5,4 x 200	25	0,32	8,00
GAV - F102	Brown Plug Stems	5,7 x 200	25	0,36	9,00
GAV - F103	Black Plug Stems	3,0 x 180	50	0,22	11,00



TIRE PRESSURE GAUGE 10-160 Psi / 1-11 BAR



CODE	PACKAGE / PCS	UNIT PRICE \$
G - 208	1	16 ,00

TIRE PRESSURE JACK



CODE	PACKAGE / PCS	UNIT PRICE \$
G - 701	1	7,00

STANDARD BALANCE LEAD



CODE			UNIT PRICE \$	PACKAGE PRICE \$
G 11005	5	100	0,08	8,00
G 11010	10	100	0,14	14,00
G 11015	15	100	0,18	18,00
G 11020	20	100	0,23	23,00
G 11025	25	100	0,28	28,00
G 11030	30	100	0,35	35,00
G 11035	35	100	0,39	39,00
G 11040	40	100	0,46	46,00

ALUMINUM BALANCE LEAD



CODE			UNIT PRICE \$	PACKAGE PRICE \$
G 21005	5	100	0,08	8,00
G 21010	10	100	0,14	14,00
G 21015	15	100	0,18	18,00
G 21020	20	100	0,23	23,00
G 21025	25	100	0,28	28,00
G 21030	30	100	0,35	35,00
G 21035	35	100	0,39	39,00
G 11040	40	100	0,46	46,00

LEAD IRON ADHESIVE

Thickness: 4 mm.



CODE	Ø DIMENSIONS mm	PACKAGE / PCS	PACKAGE PRICE \$
GAV - 0560	5 - 10 gr	50	18,00

PRODUCT	CODE	LENGHT	RIM HOLE	PACKAGE QTY	UNIT PRICE \$	PACKAGE PRICE \$
DUBLEX TYRE VALVE						
	TR - 414	-	-	100	0,24	24,00
DUBLEX TYRE VALVE						
	TR - 415	-	-	100	0,34	34,00
TYRE VALVE WITH SENSOR						
	TPM - 01	Ø 17 x 1,5	Ø 11,5	100	1,70	170,00
TYRE VALVE WITH SENSOR						
	TPM - 02	Ø 16 x 45	Ø 11,5	100	2,20	220,00
TYRE VALVE WITH SENSOR						
	TPM - 03	Ø 17 x 51,5	Ø 11,5	100	2,50	250,00
TYRE VALVE WITH SENSOR						
	TPM - 04	Ø 16,8 x 10,4 x 5,4	Ø 11,5	100	3,50	350,00
TYRE VALVE WITH SENSOR						
	TPM - 05	Ø 17 x 51,5	Ø 11,5	100	1,90	190,00
TYRE VALVE WITH SENSOR						
	TPM - 05 B	-	Ø 11,5	100	2,20	220,00
TYRE VALVE WITH SENSOR						
	TPM - 06	-	Ø 11,5	100	2,10	210,00

PRODUCT	CODE	LENGHT	RIM HOLE	PACKAGE QTY	UNIT PRICE \$	PACKAGE PRICE \$
TYRE VALVE WITH SENSOR						
	TPM - 07	Ø 16 x 53	Ø 11,5	100	2,00	200,00
TYRE VALVE WITH SENSOR						
	TPM - 08	Ø 15 x 9 x 52	Ø 11,5	100	3,50	350,00
TYRE VALVE WITH SENSOR						
	TPM - 09	Ø 15 x 57	Ø 11,5	100	2,60	260,00
TYRE VALVE WITH SENSOR						
	TPM - 10	Ø 17 x 52	Ø 11,5	100	2,60	260,00
TYRE VALVE WITH SENSOR						
	TPM - 11	Ø 17 x 52	Ø 11,5	100	3,20	320,00
TYRE VALVE WITH SENSOR						
	TPM - 12	Ø 10,4 x 15 x 60,7	Ø 11,5	100	3,50	350,00
TYRE VALVE WITH SENSOR						
	TPM - 13	Ø 17 x 52	Ø 11,5	100	2,80	280,00
TYRE VALVE WITH SENSOR						
	TPM - 14	-	Ø 11,5	100	2,90	290,00
TYRE VALVE WITH SENSOR						
	TPM - 15	-	Ø 11,5	100	3,20	320,00

PRODUCT	CODE	LENGHT	RIM HOLE	PACKAGE QTY	UNIT PRICE \$	PACKAGE PRICE \$
TYRE VALVE WITH SENSOR						
	TPM - 16	-	-	100	3,60	360,00
TYRE VALVE WITH SENSOR						
	TPM - 17	-	Ø 11,5	100	2,50	250,00
TYRE VALVE WITH SENSOR						
	TPM - 18	-	-	100	2,50	250,00
TYRE VALVE WITH SENSOR						
	TPM - 19	-	-	100	2,10	210,00
TYRE VALVE WITH SENSOR						
	TPM - 20	-	-	100	3,10	310,00
TYRE VALVE WITH SENSOR						
	TPM - 21	-	-	100	3,60	360,00
TYRE VALVE WITH SENSOR						
	TPM - 22	-	-	100	2,60	260,00
TYRE VALVE WITH SENSOR						
	TPM - 23	-	-	100	5,30	530,00
TYRE VALVE WITH SENSOR						
	TPM - 24	-	-	100	3,20	320,00

PRODUCT	CODE	LENGHT	RIM HOLE	PACKAGE QTY	UNIT PRICE \$	PACKAGE PRICE \$
TYRE VALVE WITH SENSOR						
	TPM - 412 S	-	-	100	3,00	300,00
TYRE VALVE WITH SENSOR						
	TPM - 413 S	-	-	100	1,70	170,00
TYRE VALVE WITH SENSOR						
	TPM - 413 S-1	-	-	100	2,00	200,00
TYRE VALVE WITH SENSOR						
	TPM - 413 S-2	-	-	100	1,80	180,00
TYRE VALVE WITH SENSOR						
	TPM - 413 S-3	-	-	100	1,80	180,00
TYRE VALVE WITH SENSOR						
	TPM - 413 S-4	-	-	100	1,80	180,00
TYRE VALVE WITH SENSOR						
	TPM - 413 S-5	-	-	100	1,80	180,00
TYRE VALVE WITH SENSOR						
	TPM - 413 S-7	-	-	100	3,30	330,00
TYRE VALVE WITH SENSOR						
	TPM - 413 S-8	-	-	100	5,60	560,00



SERVICE EQUIPMENTS



TYRE CHANGERS (FULL AUTOMATIC)



HL - 360 INSTRUMENT

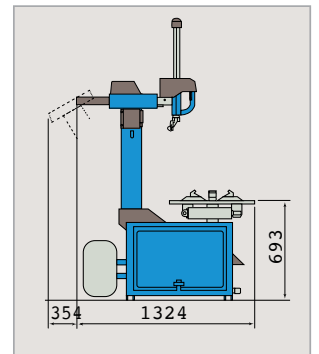
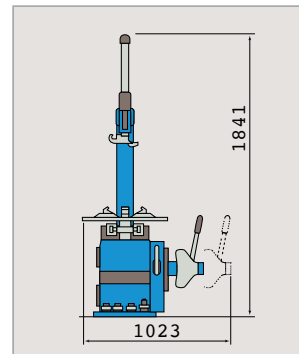


CODE	EXPLANATION
T 2422A	Tyre Changers
HL-360	Tyre changer handle

TECHNICAL INFORMATIONS	
Self centering lock: external	10" - 22"
Self centering lock: internal	13" - 24"
Max. Tyre diameter	950 mm
Motor: three phase	0,75 kW
Max. Working pressure	8-10 Bar
Power supply	380V (50 Hz)
Rotation	One cycle
Weight	288 Kg

TYRE CHANGERS (FULL AUTOMATIC)

PLUS 73 INSTRUMENT



CODE	EXPLANATION
G 7441V.22	Tyre Changers
PLUS 73	Tyre changer handle

TECHNICAL INFORMATIONS	
Self centering lock: external	10" - 22"
Self centering lock: internal	13" - 24,5"
Max. Tyre diameter	1050 mm
Motor: three phase	0,75 kW
Max. Working pressure	8-10 Bar
Power supply	230 / 400V (50-60 Hz)
Rotation	Çift Devirli
Weight	205 Kg

TYRE CHANGERS



PLUS 73 INSTRUMENT



CODE	EXPLANATION
G 7641V-24	Tyre Changers
PLUS 73	Tyre changer handle

TECHNICAL INFORMATIONS	
Self centering lock: external	10" - 24"
Self centering lock: internal	13" - 26,5"
Max. Tyre diameter	1050 mm
Motor: three phase	0,75 kW
Max. Working pressure	8-10 Bar
Power supply	230 / 400V (50-60 Hz)
Rotation	Çift Devirli
Weight	212 Kg

G 7645V-22

TYRE CHANGERS

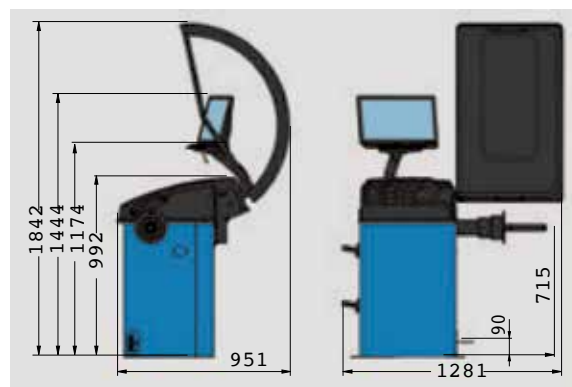


TECHNICAL INFORMATION

Self centering lock: external	10" - 22"
Self centering lock: internal	13" - 24,5"
Max. Tyre diameter	1143 mm
Motor: three phase	0,75 kW
Max. Working pressure	8-10 Bar
Power supply	230 / 400V (50-60 Hz)
Rotation	Çift Devirli
Weight	205 Kg

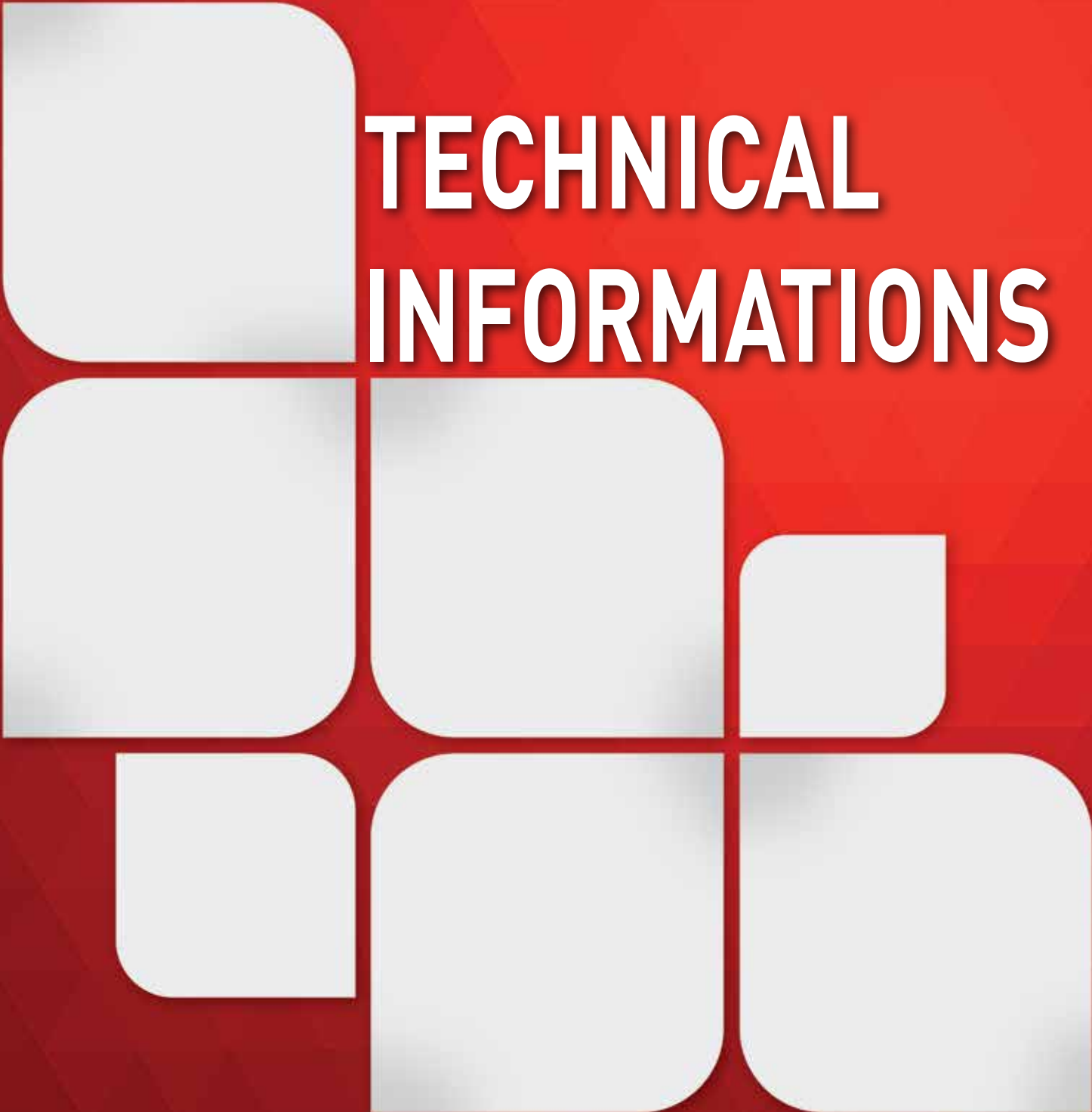
GENERAL FEATURES:

- 17 LCD Monitors and three-dimensional graphic display
- Easy to use thanks to multi-functional symbols and keypad.
- Hood controlled automatic start
- Foot brake pedal for easy tire mounting and lead driving
- Automatic braking and automatic positioning of the rim outer surface unbalance point
- Inner surface unbalance point positioning with one button
- Self calibration
- Four user programs that store four separate wheel size information
- Inch or metric representation of wheel dimensions
- Special ALU program for aluminum rims and special program for motorcycles
- ALU S program and PAX program
- Hiding program between lead partition and rim spokes specially developed for multi-spoke aluminum wheels
- Automatic data entry of distance and diameter
- Wheel width auto input. (Optional)
- Optimal program for unbalance compensation between rim and tire



PRODUCT CODE	EXPLANATION
G3.140R	Electronic wheel balancers
G3.140RS	Laser blade balancer
GP3.140RS	Laser blade and air lock balancer

TECHNICAL INFORMATIONS	
Accuracy	1 g
Cycle time	6 sn
Max wheel weight	70 kg
Max rim diameter	10" - 26"
Rim width	1,5" - 22"
Max wheel diameter	40"
Power supply	Monophase 230V 1Ph 50-60 Hz
Rotation speed	100 rpm

A series of white, rounded rectangular shapes of various sizes are arranged in a staggered, overlapping pattern on the left side of the page, creating a modern, architectural feel. These shapes are positioned behind the main title text.

TECHNICAL INFORMATIONS

TIGHTENING TEST TORQUE AND WRENCH SIZES

These torque levels are guideline values for metric standard threads in accordance with DIN ISO 261 and head sizes in accordance with DIN EN ISO 4762, DIN EN ISO 4032, DIN EN ISO 4014, and DIN 931-2, 6912, 7984 and 7990. Please note: in extreme cases, e.g. for bolts lubricated with MOS2 compound and with cadmium-plated connecting elements on both sides, the tightening torque should be reduced by around 20%.

 Metric Size	 Nut Size	 Allen Size	4,6	5,6	6,9	8,8	10,9	12,9
			NM	NM	NM	NM	NM	NM
M2	4	1,5	0,15	0,19	0,23	0,31	0,43	0,52
M2.5	5	2	0,31	0,39	0,47	0,63	0,88	1,06
M3	5,50	2,5	0,54	0,68	0,82	1,09	1,53	1,84
M3.5	6	-	0,84	1,05	1,26	1,68	2,36	2,84
M4	7	3	1,25	1,56	1,88	2,50	3,52	4,22
M5	8	4	2,46	3,08	3,70	4,93	6,93	8,32
M6	10	5	3,43	4,51	8,73	10,3	14,71	17,65
M7	11+12	-	5,59	7,45	14,22	17,16	24,52	28,44
M8	13+14	6	8,24	10,379	21,57	25,5	35,3	42,17
M10	15+17	8	16,67	21,57	42,17	50,01	70,61	85,32
M12	19+21	10	28,44	38,25	73,55	87,28	122,58	147,1
M14	22+23	12	45,11	60,8	116,7	138,27	194,17	235,36
M16	24+26	14	59,63	93,16	178,48	210,84	299,1	357,94
M18	27	14	95,13	127,49	245,17	289,3	411,88	490,34
M20	30	17	135,33	180,44	348,14	411,88	578,5	696,28
M22	32	17	182,4	245,17	470,72	558,98	784,54	941,44
M24	36	19	230,46	308,91	598,21	710,99	1000,28	1196,42
M27	41	19	343,23	460,92	887,51	1049,32	1480,81	1775,01
M30	46	22	465,82	622,73	1206,23	1421,97	2010,38	2402,64
M33	50	24	632,53	848,28	1627,91	1931,92	2716,46	3265,63
M36	55	27	813,96	1088,54	2098,64	2481,1	3491,19	4197,27
M39	60	27-30	1059,12	1412,17	2716,46	3226,41	4530,7	5442,72
M42	65	32	1304,29	1745,59	3363,7	3991,33	5609,44	6727,4
M45	70	-	1637,72	2177,09	4207,08	4991,62	7011,8	8414,16
M48	75	36	1980,96	2638	5080	6021,32	8473	10149,94
M52	80	36	2539,94	3393,12	6541,08	7747,3	10885,45	13091,96
M56	85	41	3167,57	4226,69	8149,38	9649,8	13582,29	16279,14
M60	90	46	3932,49	5246,59	10100,91	11964,19	16867,54	20201,82
M64	95	46	4736,64	6305,71	12160,32	14415,86	20299,89	24320,64
M68	100	50	5788	7727	14891	17645	24809	29754
M72	105	55	6913	9228	17785	21074	29631	35537
M76	110	60	8275	11047	21290	25227	-	-
M80	115	65	9625	12849	24763	29341	-	-
M90	130	70	14298	24941	36271	42978	-	-
M100	145		19613	26182	50460	59790	-	-
M110	155		26391	35230	67898	80453	-	-
M120	175		34588	46174	88990	-	-	-
M130	185		44300	59159	114015	-	-	-
M140	200		55706	77568	143321	-	-	-
M150	210		68906	91986	177281	-	-	-

TORQUE CONVERSION TABLES

Torque conversion factors

Units to be	Desired unit of measure								
	= mN-m	= cN-m	= N-m	= ozf-in	= lbf-in	= lbf-ft	= gf-cm	= f-cm (kp-cm)	= kgf-m (kp-m)
1 mN-m	1	0,1	0,001	0,142	0,009	0,0007	10,2	0,01	0,0001
1 cN-m	10	1	0,01	1,416	0,088	0,007	102	0,102	0,001
1 N-m	1000	100	1	141,6	8,851	0,738	10197	10,2	0,102
1 ozf-in	7,062	0,706	0,007	1	0,0625	0,005	72	0,072	0,0007
1 lbf-in	113	11,3	0,113	16	1	0,083	1152,1	1,152	0,0115
1 lbf-ft	1356	135,6	1,356	192	12	1	13826	13,83	0,138
1 gf-cm	0,098	0,01	0,0001	0,014	0,0009	0,00007	1	0,001	0,00001
1 kgf-cm (kp-cm)	98,07	9,807	0,098	13,89	0,868	0,072	1000	1	0,01
1 kgf-m (kp-m)	9807	980,7	9,807	1389	86,8	7,233	100000	100	1

Conversion formula:

Units to be converted x factor = corresponding unit

Example:

Convert of 5 lbf.ft in cN.m

Solution:

5x 135,6=676cN.m

N-m in kgf-m (kp-m) Conversion		1N-m = 0,102 kgf-m									
N-m		0	1	2	3	4	5	6	7	8	9
0	0,00	0,10	0,20	0,31	0,41	0,51	0,61	0,71	0,82	0,92	
10	1,02	1,12	1,22	1,33	1,43	1,53	1,63	1,73	1,84	1,94	
20	2,04	2,14	2,24	2,35	2,45	2,55	2,65	2,75	2,86	2,96	
30	3,06	3,16	3,26	3,37	3,47	3,57	3,67	3,77	3,87	3,98	
40	4,08	4,18	4,28	4,38	4,49	4,59	4,69	4,79	4,89	5,00	
50	5,10	5,20	5,30	5,40	5,51	5,61	5,71	5,81	5,91	6,02	
60	6,12	6,22	6,32	6,42	6,53	6,63	6,73	6,83	6,93	7,04	
70	7,14	7,24	7,34	7,44	7,55	7,65	7,75	7,85	7,95	8,06	
80	8,16	8,26	8,36	8,46	8,57	8,67	8,77	8,87	8,97	9,08	
90	9,18	9,28	9,38	9,48	9,59	9,69	9,79	9,89	9,99	10,10	
100	10,20	10,30	10,40	10,50	10,60	10,71	10,81	10,91	11,01	11,11	

N-m in lbf-ft Conversion		1N-m = 0,7376 lbf-ft									
N-m		0	1	2	3	4	5	6	7	8	9
0	0,00	0,74	1,48	2,21	2,95	3,69	4,43	5,16	5,90	6,64	
10	7,38	8,11	8,85	9,59	10,33	11,06	11,80	12,54	13,28	14,01	
20	14,75	15,49	16,23	16,96	17,70	18,44	19,18	19,91	20,65	21,39	
30	22,13	22,86	23,60	24,34	25,08	25,81	26,55	27,29	28,03	28,76	
40	29,50	30,24	30,98	31,72	32,45	33,19	33,93	34,67	35,40	36,14	
50	36,88	37,62	38,35	39,09	39,83	40,57	41,30	42,04	42,78	43,52	
60	44,25	44,99	45,73	46,47	47,20	47,94	48,68	49,42	50,15	50,89	
70	51,63	52,37	53,10	53,84	54,58	55,32	56,05	56,79	57,53	58,27	
80	59,00	59,74	60,48	61,22	61,96	62,69	63,43	64,17	64,91	65,64	
90	66,38	67,12	67,86	68,59	69,33	70,07	70,81	71,54	72,28	73,02	
100	73,76	74,49	75,23	75,97	76,71	77,44	78,18	78,92	79,66	80,39	

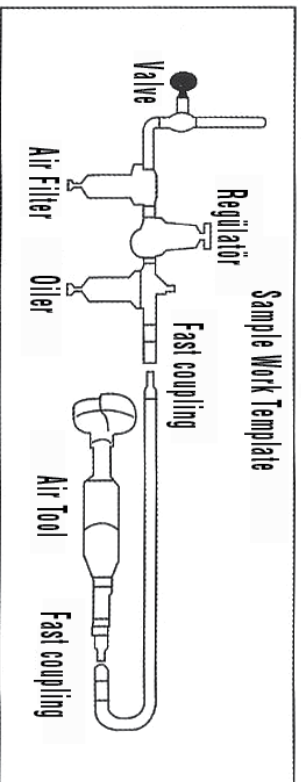
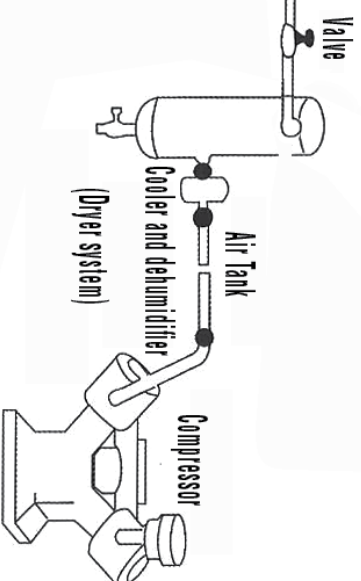
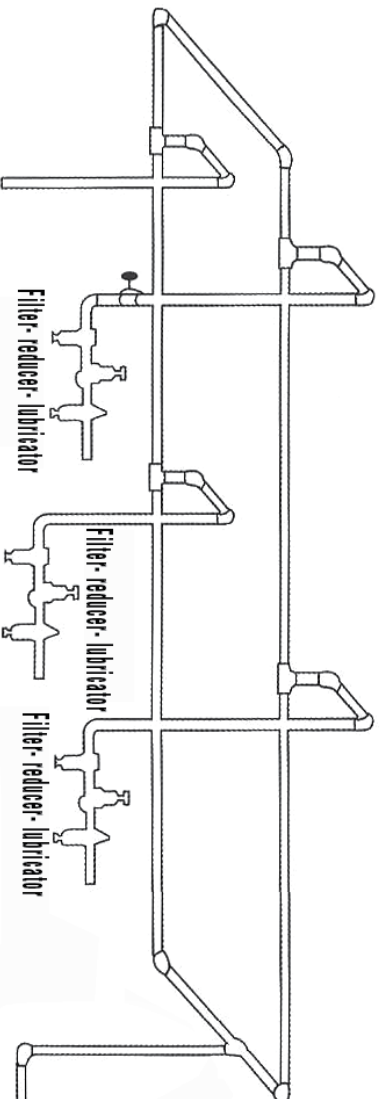
N-m in lbf-in Conversion		1 N-m = 8,851 lbf-in									
N-m		0	1	2	3	4	5	6	7	8	9
0	0,00	8,85	17,70	26,55	35,40	44,25	53,10	61,96	70,81	79,66	
10	88,51	97,36	106,21	115,06	123,91	132,76	141,61	150,46	159,31	168,16	
20	177,02	185,87	194,72	203,57	212,42	221,27	230,12	238,97	247,82	256,67	
30	265,52	274,37	283,22	292,08	300,93	309,78	318,63	327,48	336,33	345,18	
40	354,03	362,88	371,73	380,58	389,43	398,28	407,14	415,99	424,84	433,69	
50	442,54	451,39	460,24	469,09	477,94	486,79	495,64	504,49	513,34	522,20	
60	531,05	539,90	548,75	557,60	566,45	575,30	584,15	593,00	601,85	610,70	
70	619,55	628,40	637,26	646,11	654,96	663,81	672,66	681,51	690,36	699,21	
80	708,06	716,91	725,76	734,61	743,46	752,32	761,17	770,02	778,87	787,72	
90	796,57	805,42	814,27	823,12	831,97	840,82	849,67	858,52	867,38	876,23	
100	885,08	893,93	902,78	911,63	920,48	929,33	938,18	947,03	955,88	964,73	

kgf-m (kp-m) in N-m' Conversion		1 kgf-m (kp-m) = 9,807 N-m									
kgf-m (kp-m)		0	1	2	3	4	5	6	7	8	9
0	0,00	9,81	19,61	29,42	39,23	49,03	58,84	68,65	78,45	88,26	
10	98,07	107,87	117,68	127,49	137,29	147,10	156,91	166,71	176,52	186,33	
20	196,13	205,94	215,75	225,55	235,36	245,17	254,97	264,78	274,59	284,39	
30	294,20	304,01	313,81	323,62	333,43	343,23	353,04	362,85	372,65	382,46	
40	392,27	402,07	411,88	421,69	431,49	441,30	451,11	460,91	470,72	480,53	
50	490,33	500,14	509,95	519,75	529,56	539,37	549,17	558,98	568,79	578,59	
60	588,40	598,21	608,01	617,82	627,63	637,43	647,24	657,05	666,85	676,66	
70	686,47	696,27	706,08	715,89	725,69	735,50	745,31	755,11	764,92	774,73	
80	784,53	794,34	804,15	813,95	823,76	833,57	843,37	853,18	862,99	872,79	
90	882,60	892,41	902,21	912,02	921,83	931,63	941,44	951,25	961,05	970,86	
100	980,67	990,47	1000,28	1010,08	1019,89	1029,70	1039,50	1049,31	1059,12	1068,92	

lbf-ft in N-m' Conversion		1 lbf-ft = 1,356 N-m									
lbf-ft		0	1	2	3	4	5	6	7	8	9
0	0,00	1,36	2,71	4,07	5,42	6,78	8,13	9,49	10,85	12,20	
10	13,56	14,91	16,27	17,63	18,98	20,34	21,69	23,05	24,40	25,76	
20	27,12	28,47	29,83	31,18	32,54	33,90	35,25	36,61	37,96	39,32	
30	40,67	42,03	43,39	44,74	46,10	47,45	48,81	50,16	51,52	52,88	
40	54,23	55,59	56,94	58,30	59,66	61,01	62,37	63,72	65,08	66,43	
50	67,79	69,15	70,50	71,86	73,21	74,57	75,93	77,28	78,64	79,99	
60	81,35	82,70	84,06	85,42	86,77	88,13	89,48	90,84	92,20	93,55	
70	94,91	96,26	97,62	98,97	100,33	101,69	103,04	104,40	105,75	107,11	
80	108,46	109,82	111,18	112,53	113,89	115,24	116,60	117,96	119,31	120,67	
90	122,02	123,38	124,73	126,09	127,45	128,80	130,16	131,51	132,87	134,23	
100	135,58	136,94	138,29	139,65	141,00	142,36	143,72	145,07	146,43	147,78	

lbf-in in N-m' Conversion		1 lbf-in = 0,113 N-m									
lbf-in		0	1	2	3	4	5	6	7	8	9
0	0,00	0,11	0,23	0,34	0,45	0,56	0,68	0,79	0,90	1,02	
10	1,13	1,24	1,36	1,47	1,58	1,69	1,81	1,92	2,03	2,15	
20	2,26	2,37	2,49	2,60	2,71	2,82	2,94	3,05	3,16	3,28	
30	3,39	3,50	3,62	3,73	3,84	3,95	4,07	4,18	4,29	4,41	
40	4,52	4,63	4,75	4,86	4,97	5,08	5,20	5,31	5,42	5,54	
50	5,65	5,76	5,87	5,99	6,10	6,21	6,33	6,44	6,55	6,67	
60	6,78	6,89	7,00	7,12	7,23	7,34	7,46	7,57	7,68	7,80	
70	7,91	8,02	8,13	8,25	8,36	8,47	8,59	8,70	8,81	8,93	
80	9,04	9,15	9,26	9,38	9,49	9,60	9,72	9,83	9,94	10,06	
90	10,17	10,28	10,39	10,51	10,62	10,73	10,85	10,96	11,07	11,19	
100	11,30	11,41	11,52	11,64	11,75	11,86	11,98	12,09	12,20	12,31	

TORQUE CONVERSION TABLES



- For the compressed air installation, the compressor or dryer device and filters, the capacity of which has been carefully calculated according to the needs of the system, should be connected with a flexible intermediate hose in order to prevent vibrations from transmitting to the piping.
- The horizontal lines drawn should descend towards the direction of the air flow with 1% inclination. (1 cm at 1 m)
- In order to remove the accumulated water, there should be a collection tube and drain cock at the end of the vertical pipe.
- For the air to be used, use the air prepared with the conditioner 10-15 cm above the discharge cock.
- The water accumulated in the compressor tank and installation should be drained regularly.
- It is recommended to connect the ends of the horizontal lines to form a closed circuit.

DISPLAY STANDS



CODE	PRODUCT	PRICE \$
MTS-1000	Air tools panel Empty stand price.	340,00



CODE	PRODUCT	PRICE \$
MTS-1400	Desktop machine stands Empty stand price.	185,00



CODE	PRODUCT	PRICE \$
MTS-1300	Polyurethane hose stand Empty stand price.	290,00



CODE	PRODUCT	PRICE \$
MTS-1200	Rotary stand Empty stand price.	950,00





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