

# Impact Wrenches



# A PUZZLE WE'VE SPENT OVER 150 YEARS ON



Screws and nuts drive you... Nuts. To master this fully we have put over 150 years into developing our tools. All the expertise, know-how and innovations we have picked up along the way go into every tool we build, and can then be added to your project. Read more at [atlascope.com](http://atlascope.com)

**BRING A CENTURY OF EXPERIENCE TO YOUR PROJECT**



PRO W2915  
Impact Wrench

*Atlas Copco*

# Impact Wrenches - Tightening tools

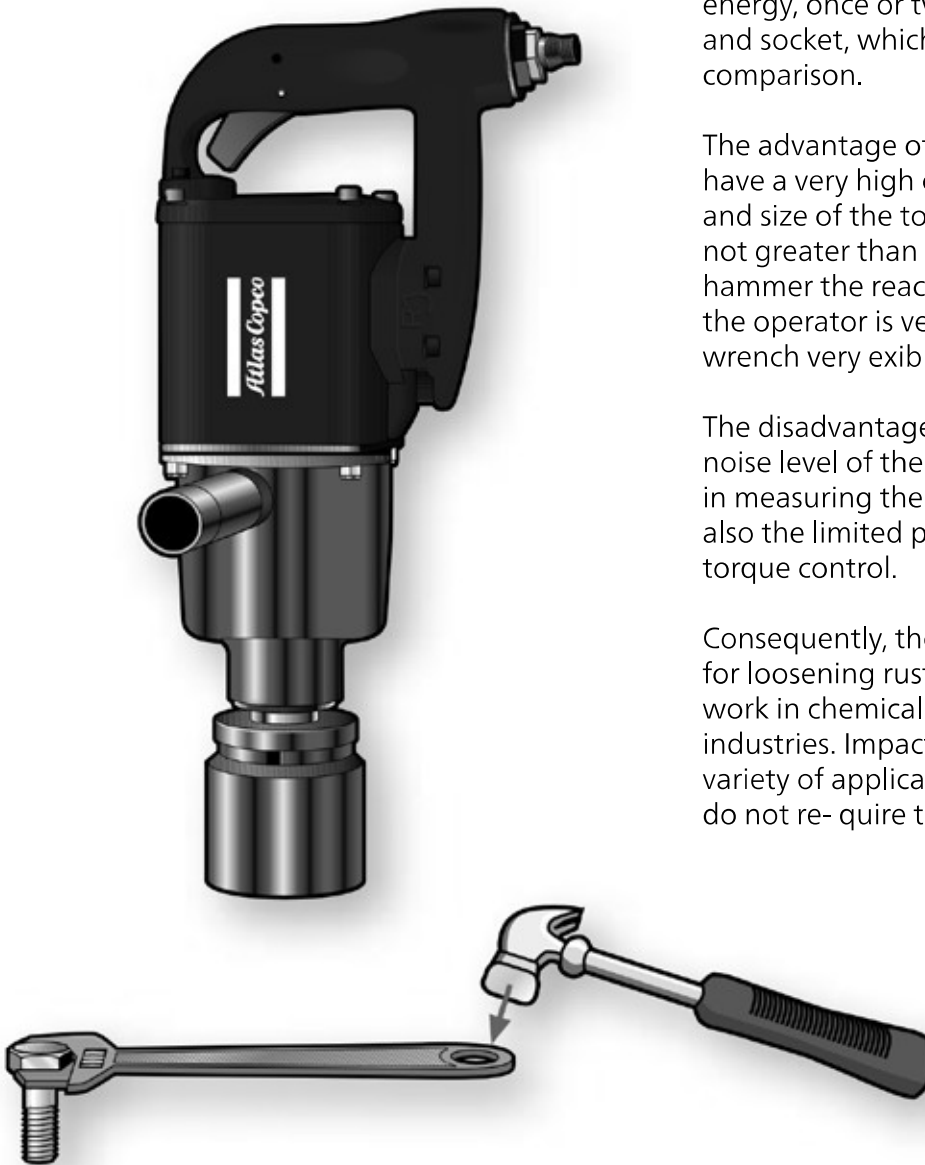
## W26-series

**Impact wrenches** are based on the same principle as using a hammer to strike a wrench when tightening a bolt or screw, building up torque impact by impact. In the case of the power impact wrench run by an air motor, the hammer is the combined mass of the rotor and the impact mechanism which delivers their kinetic energy, once or twice per revolution, to the anvil and socket, which represent the wrench in the comparison.

The advantage of impact wrenches is that they have a very high capacity relative to the weight and size of the tool. As the reaction torque is not greater than that needed to accelerate the hammer the reaction force transferred back to the operator is very small, which makes the impact wrench very exible and simple to use.

The disadvantages are the comparatively high noise level of the impact wrench and the difficulty in measuring the applied torque and consequently also the limited possibility to achieve accurate torque control.

Consequently, the impact wrench is the ideal tool for loosening rusty and stuck bolts in maintenance work in chemical plants, refineries and other heavy industries. Impact wrenches are also suitable for a variety of applications that do not re- quire the highest degree of accuracy.



*Principle of impact tools.*

## Low weight – High output

- Models with twin hammer impact mechanism for fast run down
- Models with composite housing for best power-to-weight ratio and with durable aluminum and magnesium housing
- Button controlled forward/reverse settings
- Easy one hand operation for pistol grip models
- Ergonomic handles with rubber grip

# Impact Wrenches



W2915



W2910



W2911



W2920

## W29-series

With easy operation the W29-series are your perfect partner for general assembly and tackling the toughest industrial jobs that requires high torque output.

These models features a twin hammer impact mechanism for fast run down with a composite housing for best power-to-weight ratio with four torque settings.

Easy one hand operation (Left or right handed) with button controlled torque setting (forward/reverse) with a ergonomic handle with anti-slip rubber grip.

Model	Bolt size mm	Square drive size in	Torque - Reverse Nm	Torque - Reverse Nm	Torque Range Nm	Free speed r/min	Weight kg	Air consumption l/s	Rec. hose size mm	Air inlet thread BSP	Model type	Impact mechanism	Ordering No.
W2910	M14	3/8"	310	500	150-400	6500	1.2	17	10	1/4"	Pistol	Twin hammer	8434124850
W2911	M14	1/2"	370	500	150-400	7300	1.2	17	10	1/4"	Pistol	Twin hammer	8434124851
W2915	M16	1/2"	710	1000	200-800	7700	2.0	18	10	1/4"	Pistol	Twin hammer	8434124852
W2920	M30	3/4"	1400	1500	300-1450	5500	3.2	27	13	3/8"	Pistol	Twin hammer	8434124853

Torque range (min/max) is a calculated value acc. To Skidmore. Performance is depending on air installation and type of bolted joint.



WS1001



WS1002



WS1003

Model	Square drive size in	Socket type	Number of sockets	Sockets included	Ordering No.
PRO WS1001	3/8"	Metric impact socket	13	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm	4112 0607 91
PRO WS1002	1/2"	Metric impact socket	14	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26, 27 mm	4112 0607 92
PRO WS1003	1/2"	Metric deep impact socket	14	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26, 27 mm	4112 0607 93



## W24-series



W2415

These tools features a steel, aluminum and magnesium housing and can handle tough environments providing fast rundown and tightening.

They have powerful impact mechanisms for fast run down with four torque settings.

The W24-series features compact pistol to larger straight models for many different applications.



W2410



W2411



W2412



W2427



W2420



W2425



W2428

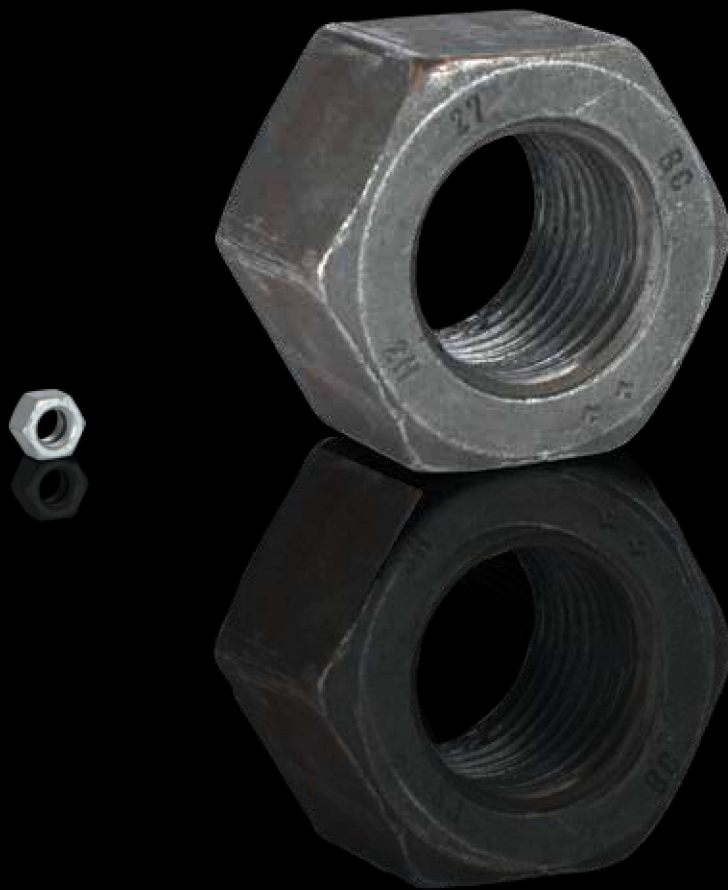
Model	Bolt size mm	Square drive size in	Torque - Forward Nm	Torque - Reverse Nm	Torque Range Nm	Free speed r/min	Weight kg	Air consumption l/s	Rec. hose size mm	Air inlet thread BSP	Model type	Impact mechanism	Ordering No.
W2410	M10	1/4" HEX	98	110	13 - 80	7000	1	11	10	1/4"	Pistol	Twin hammer	8434124854
W2411	M10	3/8"	130	140	13 - 110	7000	1	11	10	1/4"	Pistol	Twin hammer	8434124855
W2412	M16	1/2"	250	350	100 - 300	7400	1.4	13	10	1/4"	Pistol	Twin hammer	8434124862
W2415	M16	1/2"	550	750	150 - 650	7700	2.7	20	10	1/4"	Pistol	Pin clutch	8434124856
W2420	M30	3/4"	1450	1700	650 - 1300	5600	5.4	26	13	3/8"	Pistol	Twin hammer	8434124857
W2425	M33	1"	2200	2550	700 - 1400	4500	10.2	44	19	1/2"	Pistol	Pinless	8434124858
W2427	M33	1"	1800	2200	700 - 1500	4500	6.7	36	19	1/2"	Straight	Twin hammer	8434124859
W2428	M33	1"	2200	2800	800 - 1600	5000	10,5	48	19	1/2"	Straight	Pinless	8434124860

W2415 KIT: Incl. 5 sockets. Sizes: 13, 15, 17, 19 & 24 mm.

8434124861

Torque range (min/max) is a calculated value acc. To Skidmore. Performance is depending on air installation and type of bolted joint.

**WE'VE SPENT OVER  
150 YEARS SOLVING  
PROBLEMS  
OF DIFFERENT SIZES**



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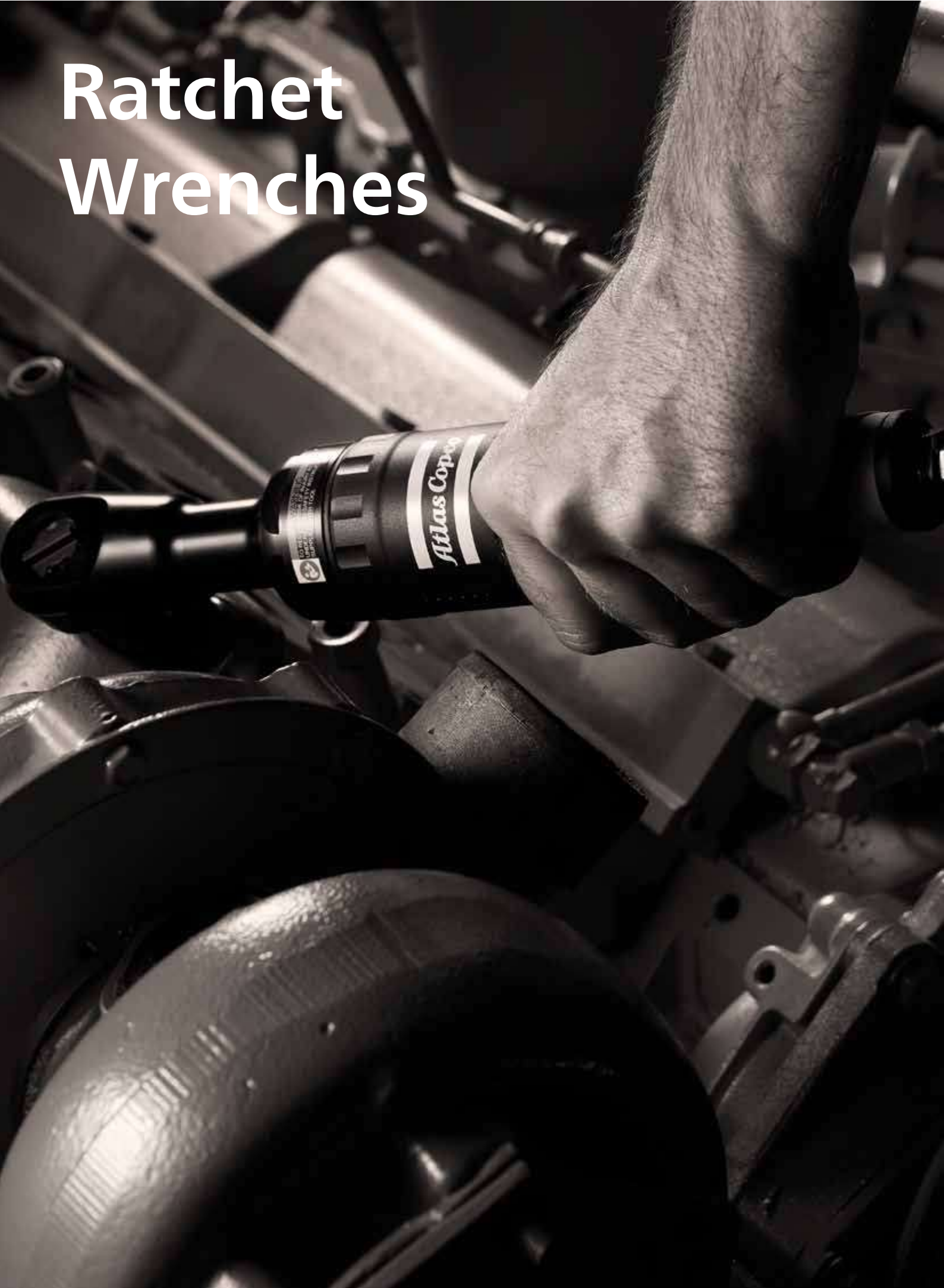
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PRO W2915  
Impact Wrench

**Atlas Copco**

# Ratchet Wrenches





## Compact and powerful!

- Great power-to-weight ratio
- Robust composite housing
- Rubber grip on handle for insulation and comfort
- Easy switch between forward and reverse
- 360 degree adjustable air exhaust

# Ratchet Wrenches

## W26-series

PRO ratchet wrenches are powerful, reversible and designed for easy access in confined spaces.

The tools are light, comfortable and easy to work with, due to their robust composite housing and high power-to-weight ratios.



W2610 / W2620 / W2611 / W2621



W2630 / W2631

Model	Bolt size mm	Square drive size in	Torque range Nm	Free speed r/min	Weight kg	Length mm	Air con- sumption l/s	Rec. hose size mm	Air inlet thread BSP	Ordering No.
W2611	M8	1/4"	4-40	280	0.55	192	9	10	1/4"	8431 0350 11
W2610	M8	3/8"	4-40	280	0.55	192	9	10	1/4"	8431 0350 10
W2621	M12	3/8"	5-68	170	1.1	271	10	10	1/4"	8431 0350 21
W2620	M12	1/2"	5-68	170	1.1	271	10	10	1/4"	8431 0350 20
W2631	M14	3/8"	25-80	200	1.2	307	11	10	1/4"	8431 0350 31
W2630	M14	1/2"	25-80	200	1.2	307	11	10	1/4"	8431 0350 30

Torque range (min/max) is a calculated value acc. To Skidmore. Performance is depending on air installation and type of bolted joint.



WS1001



WS1002



WS1003

Model	Square drive size in	Socket type	Number of sockets	Sockets included	Ordering No.
PRO WS1001	3/8"	Metric impact socket	13	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm	4112 0607 91
PRO WS1002	1/2"	Metric impact socket	14	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26, 27 mm	4112 0607 92
PRO WS1003	1/2"	Metric deep impact socket	14	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26, 27 mm	4112 0607 93

# Torque Wrench ACTW



## CWR 'click' wrench series

The torque wrenches in our CWR series provide the distinctive "click" which is a very clear feedback when reaching the pre-set torque value. The repeatability of  $\pm 4\%$  makes them perfect for use in assembly lines. Standard drive enables the use of a wide range of suitable end fittings.



Material No	Material Desc	Size In.	Torque range Nm	Length mm	Weight Kg
8434030001	ACTW05	1/4	5-25	248	1.28
8434030002	ACTW20	3/8	20-100	428	1.5
8434030003	ACTW40	1/2	40-200	519	2.02
8434030004	ACTW150	3/4	150-750	1124	16.2
8434030005	ACTW200	1	200-1000	1254	16.2