



**BOLTING SOLUTIONS FOR OIL & GAS FLANGES**  
**BREAK THE BOLTS ON TIME**

# KEEP SHUTDOWN TIME IN CONTROL

## BY QUICK TURNAROUND

The harsh and corrosive environments in the Oil and Gas Industry call for reliable and high performing material to complete your tasks on time and prevent unexpected shutdown.

Multiple challenges can be listed:

- Bolts on flanges get stuck, even with rust.
- Power tools with early wear make you lose performance and impact turnaround time.
- Difficulty to access certain areas for work.

### INCREASING YOUR PRODUCTIVITY IS YOUR CHALLENGE AND OUR MISSION.

With over 100 years of providing bolting solutions to the Oil and Gas Industry, Ingersoll Rand Power Tools may have an answer for your challenges.

Please discover our solutions in bolting for plant turnaround and general maintenance in petrochemical refining and transportation:

- Flanges
- Heat exchangers
- High pressure valves

Your challenge:

### CORROSIVE ENVIRONMENTS

You are confronted with rusty bolts due to severe and harsh environments such as near the sea. This requires very high torque for completing removal.

- Fail to open bolts



Your solution:

- ✓ **TORQUE UP TO +25% MORE THAN AVERAGE**
- ✓ **REDUCE BOLTING TIME UP TO 30%.**

With the 3900 Series Industrial impacts you and your industrial maintenance team are powered to remove any stuck bolt thanks to a power up to 7460 Nm.



3900 Series Impact  
Up to 7460 Nm of maximum torque

# ACCURACY UP COSTS DOWN

Your challenge:

## ON TIME

Making sure that flanges are re-assembled and multiple size bolts are properly tightened without wasting time.

Multiple size bolts necessitate the use of multiples wrenches. In addition users have to carry the load associated to hydraulic nutrunners.

- Pre-fastening slow with hydraulic nutrunner

Your solution:

- ✓ **100% TRACEABILITY**
- ✓ **REDUCE BOLTING TIME AND SAVE COSTS**

QX Series 40V Cordless Torque Multiplier will reduce your bolting time and costs while ensuring repeatable accuracy for all torque critical joints.

The torque multiplier maximizes your productivity thanks to a premium Norbar® Gearbox and an efficient closed-loop transducer.



QX Series™ 40V  
Cordless Torque Multipliers  
Up to 4000 Nm of maximum torque

Your challenge:

## FATIGUE

Difficult to access areas combined with heavy load of machinery can entail a loss of your productivity and fatigue.

- Loss in productivity
- Fatigue



Your solution:

- ✓ **100% MOBILITY**

The IQV Series 20V Cordless Impact Wrench brings you joy during long working days: more comfort and more mobility with limited load to carry.



IQV Series™ 20V  
Cordless Impact Wrenches  
Up to 4000 Nm of maximum torque

# BOLTING SOLUTIONS SERIES

## FOR OIL AND GAS

### 3900 Series

Pneumatic Impact Wrenches



- 1" & 1.5" square sizes
- Up to 7460 Nm of maximum torque
- Corrode-x system with Titanium and Bronze parts provide extreme durability and resistance against corrosion

### QX Series™ 40V

Cordless Torque Multipliers



- 3/4" & 1" square sizes
- Up to 4000 Nm of maximum torque

### IQV Series™ 20V

Cordless Impact Wrenches



- 3/8", 1/2", 3/4" & 1" square sizes
- Up to 4000 Nm of maximum torque

### MAX Series

Pneumatic Impact Wrenches



- From 3/8" to 1" square sizes
- Up to 2850 Nm of maximum torque
- Max comfort with high ratio Power-to-Weight
- For maintenance duty works

### 2925 Series

Pneumatic Impact Wrenches



- 3/4" & 1" square sizes
- Up to 2300 Nm of maximum torque
- Resist to high-demanding environment with Titanium design
- For heavy-duty maintenance works

### 5000 Series

Pneumatic Impact Wrenches



- 1.5" & 2.5" squares
- Up to 67800 Nm of maximum torque
- Designed to conquer the most difficult bolts with superior power
- For super-duty maintenance work

### ATEX Solutions

Pneumatic Impact Wrenches



- From 1/2" to 1.5" square sizes
- Up to 5288 Nm of maximum torque
- To tackle the most extreme jobs in Atex Zone 1 & 2
- For super-duty maintenance work





Learn more  
on [irtools.com](https://irtools.com)



Ingersoll Rand (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency.