



QX SERIES™

CORDLESS TORQUE MULTIPLIERS

NEXT GENERATION PRODUCTIVITY

The next generation QX Series™ 40V Cordless Torque Multiplier, will reduce your bolting time and cost, while ensuring repeatable accuracy for all torque-critical joints. Designed with a premium Norbar® gearbox and an efficient, time-tested closed-loop transducer, the Torque Multiplier offers proven quality, control and programmable configurations to maximize your productivity.

TRACEABLE CONFIDENCE IN EVERY HIGH TORQUE FASTENING

Accuracy

- Ingersoll Rand's closed-loop transducer control at the heart of the tool delivers precise torque and accurate, traceable results—it's precision where you need it most. Automatically trace every tightening cycle to the day and minute with a persistent internal clock. Forget manual pen and paper recording.

Control

- A multi-function display module allowing for quick setup and real time feedback on every QX Series™ tool
- User-programmable configurations such as torque, angle and gang count that reduce the number of tools needed for multiple applications

Comfort

- Cordless and compact, the QX Series™ Torque Multiplier allows operators to move freely without the need of bulky air or hydraulic hoses, electrical cords, compressors, generators or powerpacks
- Integrated tethering ring included to safely secure the tools

Communication

- Program via USB, Bluetooth* or Zigbee** wireless connection (*Requires mobile app & QX Controller, controller sold separately)
- Direct connect the tool to the INSIGHT™ Connect app on your Bluetooth enabled device
- Tool configuration, data management and process control via INSIGHT™ Connect App

Versatility

- Fast programming that makes the tool adaptable to multiple applications
- Cordless and portable to allow operators to move freely around any workplace or environment
- Available in either pistol or angle configurations



QX Series™ Torque Multiplier
High Torque Angle Wrench



QX Series™ 40V Torque
Multiplier - Pistol Grip



QX Series™ 40V Torque
Multiplier for Tire Service

ADAPTABLE TO YOUR APPLICATION

From pipeline flange bolts to truck frame assembly and complete tire service, the QX Series™ Cordless Torque Multipliers have the range, accuracy and configurations to tackle your fastening, fastening and bolting needs.



Sharing the same IQV40™ Series power platform with our high torque angle wrench, assembly tools, the torque multiplier expands our broad range of cordless bolting solutions.



Agriculture & Heavy Equipment



Infrastructure



Fleet Maintenance



Rail



Truck & Bus



Wind



- Rail Car Manufacturing
- Locomotive Assembly
- General Maintenance



- Wheels
- Suspension
- Chassis



- Nacelles
- General Maintenance
- Break-ins

PRECISION ENGINEERED



SUPERIOR COMMUNICATION AND CONTROL

Ingersoll Rand® doesn't just give you unprecedented technology, we give you total control of that technology. With up to 32 programmable configurations per tool, the QX Series™ 40V Torque Multiplier allows operators to transition seamlessly between different bolting applications. You'll be able to use bolting strategies individually, or combined in one strategy depending on what works best for you.

COMMON BOLTING STRATEGIES

Torque

Achieve desired torque within high and low limits



Angle

Achieve target rotation within high and low limits



Gang Count

Counts all rundowns to ensure all bolts have been fastened



+ If additional control is needed, Ingersoll Rand's INSIGHTqcx Controller or Insight Connect app gives you even more options to adapt to the most complicated bolting applications.

ADVANCED COMMUNICATION OPTIONS FOR PROCESS CONTROL AND REAL-TIME MONITORING



When not using the wireless INSIGHTqcx™ Controller the optional Bluetooth enable tool can communicate with the INSIGHT™ Connect App.

Tool models without over the air communication capability can be connected via USB only.

The INSIGHT™ Connect app will help you stay productive, mobile and in control of your fastening process. It programs any Ingersoll Rand® QX Connect Series™ tool without the need for additional technical training, special software, plant network permissions or a laptop computer. Working from a smartphone or tablet, operators can use the app to quickly program the torque and angle control configurations on these closed-loop, transducerized tools.

You can quickly perform key tasks with your mobile device, including:

SIMPLE

- Common Setting & General Tool Setup
- Multiple Language Support
- Retrieve Cycle Log and Share via Email
- Audit Logs
- Error Codes with Description

FLEXIBLE

- Program All Standard QX Platform Tool
- Clone- Back Up and Restore
- Save and Load Configurations
- Firmware Update
- Virtual tool programming

CAPABLE

- Program Torque, Angle, Speed
- Multiple Configurations
- Multiple Step Programming
- End of Run (EOR) data on App
- Calibration and Cp/Cpk
- Programming via Bluetooth

QX SERIES™ SPECIFICATIONS

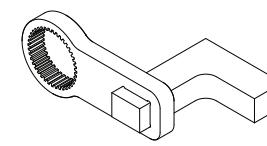
QX SERIES™ CORDLESS TORQUE MULTIPLIERS

Model	System	Torq. Max (ft-lb)	Torq. Max (Nm)	Speed (RPM)	Weight (lbs) w/Reaction Arm, w/o Battery	Weight (kg) w/Reaction Arm, w/o Battery	Length (in)	Length (mm)	Drive Size (in)
QXXD2PT200PM12	20V	148	200	39	17.6	8.0	15	373	3/4"
QXXD2PT200PM12-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm									
QXXD2PT500PM12	20V	369	500	13	17.6	8.0	15	373	3/4"
QXXD2PT500PM12-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm									
QXXD5PT200PM12	40V	149	200	83	13.9	6.3	15	390	3/4"
QXXD5PT200PM12-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm									
QXXD5PT500PM12	40V	370	500	27	13.9	6.3	16	393	3/4"
QXXD5PT500PM12-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm									
QXXD5PT10CPM12	40V	738	1000	15	20	9.1	17	422	3/4"
QXXD5PT10CPM12-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm									
QXXD5PT13CPM16	40V	996	1350	11	20	9.1	17	423	1"
QXXD5PT13CPM16-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm									
QXXD5PT20CPM16	40V	1475	2000	6.8	21	9.5	18	457	1"
QXXD5PT20CPM16-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm									
QXXD5PT27CPM16	40V	1991	2700	5.5	21	9.5	17	430	1"
QXXD5PT27CPM16-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm									
QXXD5PT40CPM16	40V	2950	4000	3.3	27.5	12.5	19	480	1"
QXXD5PT40CPM16-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm									
QXXD5PT01KPW16	40V	737	1,000	15	20	9	17	419	1"
QXXD5PT01KPW16-K2 Kit Includes: 1 Torque Multiplier, 2 Batteries and Truck Tire Reaction Arm									
Contact certified distributor for models without wireless capabilities.									

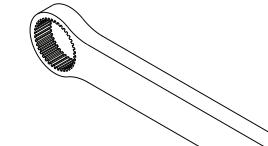


REACTION ARMS

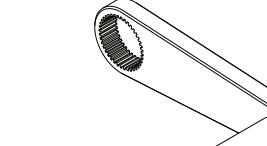
Ingersoll Rand® offers the following variety of reaction arms for different applications. Reaction arms are available in both 52 mm and 72 mm spline drives, depending on the size of the gearbox.



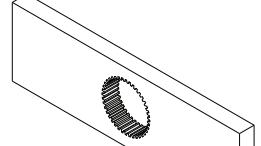
NSP-766-52CR



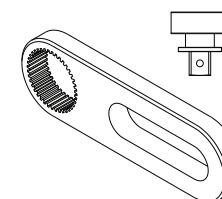
NSP-766-52ST



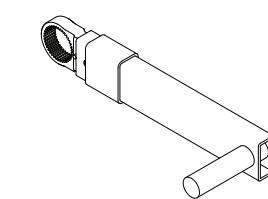
NSP-766-52PPS060
Plate and peg (multiple lengths available)



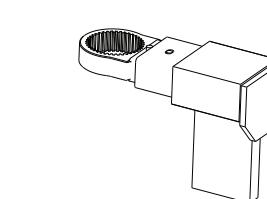
NSP-766-72STS079
Double-sided



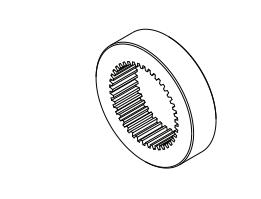
NSP-766-52SLK12
Sliding slave kit (multiple lengths available)



NSP-766-52-72YTP
Sliding peg and yoke assembly (multiple lengths available)



NSP-766-52-72YP
Sliding yoke, paddle and yoke assembly (multiple lengths available)



NSP-766-52WR
Blank welding ring

REACTION ARMS

Part Number	Spline (mm)	Type	Part Number	Spline (mm)	Type
STEEL					
TP-NSP-766-72WS	72	Truck Tire	NSP-766-72STS070	72	Straight (7")
NSP-766-52-72YP	52-72	Yoke & Paddle	NSP-766-72STS155	72	Straight (15.5")
NSP-766-52-72YTP	52-72	Yoke & Peg	NSP-766-72STS079	72	Double-Sided (7.9")
NSP-766-52CR	52	Cranked (45deg)	NSP-766-72WR	72	Weld Ring
NSP-766-52CR90	52	Cranked (90deg)	NSP-766-72Y	72	Yoke
NSP-766-52PPS060	52	Plate & Peg	NSP-766-72YPA	72	Yoke & Paddle
NSP-766-52SL	52	Sliding Slave (7")	NSP-766-72YTA	72	Yoke & Tube
NSP-766-52SLK12	52	Sliding Slave	NSP-766-92CR	92	Cranked (45deg)
NSP-766-52SLS050	52	Sliding Slave (5")	NSP-766-92CR90039	92	Cranked (90deg)
NSP-766-52ST	52	Straight (10")	NSP-766-92PP080	92	Plate & Peg (8")
NSP-766-52STS155	52	Straight (15.5")	NSP-766-92SL08	92	Straight (1")
NSP-766-52STSD098	52	Double-Sided (9.8")	NSP-766-92SL12	92	Straight (1.5")
NSP-766-52WR	52	Weld Ring	NSP-766-92STS079	92	Straight (7.9")
NSP-766-52Y	52	Yoke	NSP-766-92STS155	92	Straight (15.5")
NSP-766-52YPA	52	Yoke & Paddle	NSP-766-92STSD095	92	Double-Sided (9.5")
NSP-766-52YTA	52	Yoke & Tube	NSP-766-92WR	92	Weld Ring
NSP-766-72CR	72	Cranked (45deg)	ALUMINUM		
NSP-766-72CR90	72	Cranked (90deg)	NSP-766-52STA100	52	Straight (10")
NSP-766-72SL	72	Sliding Slave (8")	NSP-766-52STA155	52	Straight (15.5")
NSP-766-72SLK12	72	Slave Square Kit (3/4")	NSP-766-92CRA	92	Cranked (45deg)
NSP-766-72SLK16	72	Slave Square Kit (1")	NSP-766-92STA155	92	Straight (15.5")
NSP-766-72ST	72	Straight (10")			

Not all applications are equal — Ingersoll Rand offers custom reaction arms. Please see your certified distributor for more information.

POWER PLATFORM

IQV40™



**IQV40 Series™
Battery Charger
40V, 2.5 Ahr
BC1161**



**IQV40 Series™
Lithium Ion
Battery Pack 40V,
2.5 Ahr
BL4011**

IQV20™



**IQV20™ Series 20V,
5.0Ahr - Lithium-Ion Battery
BL2022**



**IQV20™ Series 20V
Battery Charger
BC1121**

ACCESSORIES



**INSIGHTqcx™
Controller
QCXD11**



**Hard Case
TA-VP2-HCS-1**



**3/4" and 1"
Socket Kits
SK8C5TN**



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.



Learn more at www.ingersollrand.com