



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



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.



- Chassis & Suspension
- Diesel & Gas Engines
- Wheels
- Tracks



- Bridges
- Road Ways
- Steel Structures



- Large Vehicle Wheels
- Tire Service



- Rail Car Manufacturing
- Locomotive Assembly
- General Maintenance



- Wheels
- Suspension
- Chassis



- Nacelles
- Gear Boxes
- General Maintenance
- Break-ins

PRECISION ENGINEERED

Closed-loop transducer control delivers precise torque and accurate, traceable results

Premium Norbar® gearbox provides proven quality and accuracy

Tethering Ring included for safety and drop prevention

Optional Bluetooth and wireless communications for process control with I/O and data collection

USB port for convenient programming and data transfer

Proven QX Series™ brushless motor provides maximum durability

Cooling fan operates independent of the drive motor keeping the motor operating in high cycle, large gang count applications

Durable drop resistant steel reinforced motor housing protects against damage.

Non-contacting trigger and reverse switch maximizes durability

Ergonomic design comfortable, lightweight and balanced

Lithium Ion battery provides maximum run time and portability using power platform common to all Ingersoll Rand IQV40 cordless families

Cycle status lights and audible alarm provide instant validation during each operation
Red – Above set high limit
Yellow – Below set low limit
Green – Within set range
Blue – Active alarm condition

Backlit display offers quick set-up and easy to read visual feedback

Real time results displayed for every fastening

Bluetooth pairing to your Apple iOS or Goggle Android device

Fully integrated with the INSIGHTqcx™ Controller and INSIGHT Connect app for automatic data capture, easy results sharing and tool programming

Standard or custom reaction arms meet multiple application needs

Dual Axis 360° handle provides instant adjustability, maximizing comfort and flexibility when working on multiple joints and applications



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 runouts 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 commutation 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	FLEXIBLE	CAPABLE
■ Common Setting & General Tool Setup	■ Program All Standard QX Platform Tool	■ Program Torque, Angle, Speed
■ Multiple Language Support	■ Clone- Back Up and Restore	■ Multiple Configurations
■ Retrieve Cycle Log and Share via Email	■ Save and Load Configurations	■ Multiple Step Programming
■ Audit Logs	■ Firmware Update	■ End of Run (EOR) data on App
■ Error Codes with Description	■ Virtual tool programming	■ 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 QXXD2PT200PM12-K2	20V Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm	148	200	39	17.6	8.0	15	373	3/4"
QXXD2PT500PM12 QXXD2PT500PM12-K2	20V Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm	369	500	13	17.6	8.0	15	373	3/4"
QXXD5PT200PM12 QXXD5PT200PM12K2	40V Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm	149	200	83	13.9	6.3	15	390	3/4"
QXXD5PT500PM12 QXXD5PT500PM12K2	40V Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm	370	500	27	13.9	6.3	16	393	3/4"
QXXD5PT10CPM12 QXXD5PT10CPM12K2	40V Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm	738	1000	15	20	9.1	17	422	3/4"
QXXD5PT13CPM16 QXXD5PT13CPM16K2	40V Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm	996	1350	11	20	9.1	17	423	1"
QXXD5PT20CPM16 QXXD5PT20CPM16K2	40V Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm	1475	2000	6.8	21	9.5	18	457	1"
QXXD5PT27CPM16 QXXD5PT27CPM16K2	40V Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm	1991	2700	5.5	21	9.5	17	430	1"
QXXD5PT40CPM16 QXXD5PT40CPM16K2	40V Kit Includes: 1 Torque Multiplier, 2 Batteries and 45 Degree Crank Reaction Arm	2950	4000	3.3	27.5	12.5	19	480	1"
QXXD5PT01KPW16 QXXD5PT01KPW16K2	40V Kit Includes: 1 Torque Multiplier, 2 Batteries and Truck Tire Reaction Arm	737	1,000	15	20	9	17	419	1"

Contact certified distributor for models without wireless capabilities.



QX Series™ 20V Torque Multiplier - Pistol



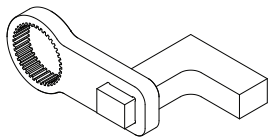
QX Series™ 40V Torque Multiplier - Pistol Grip



QX Series™ 40V Torque Multiplier for Tire Service

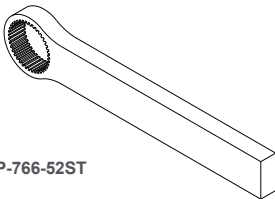
REACTION ARMS

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 the on the size of the gearbox.



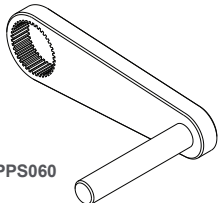
NSP-766-52CR

Cranked, 45 or 90 degrees



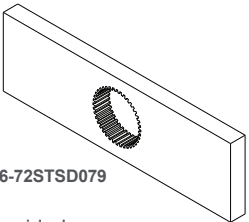
NSP-766-52ST

Straight, aluminum or steel (multiple lengths available)



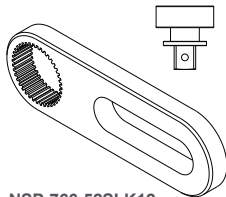
NSP-766-52PPS060

Plate and peg (multiple lengths available)



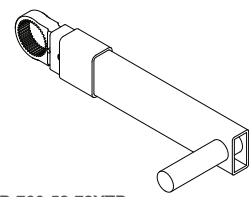
NSP-766-72STD079

Double-sided



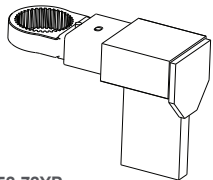
NSP-766-52SLK12

Sliding slave kit (multiple lengths available)



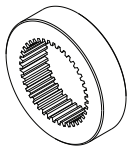
NSP-766-52-72YTP

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-766-72STSD079	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