



2145QiMAX-SP 3/4" ATEX Air™ Impactool

Maximum Impact



New



The 2145QiMAX-SP premium Impactool provides best-in-class performance and ergonomics to maximize productivity and user comfort. Its industrial-grade durability and low air consumption will also help minimize operating costs. It is the perfect tool for the most demanding applications, such as truck and bus service, construction and agricultural equipment maintenance, tire changing, as well as the MRO market.

- 1 830 Nm (1 350 ft-lb) of maximum torque in reverse.
- Ingersoll Rand TwinHammer impact mechanism is the strongest, most durable and longest life mechanism in the industry.
- Steel hammercase provides excellent durability under the toughest use.
- Unique reverse-bias 7-vane motor delivers even more power in reverse.
- Ergonomic composite housing is lightweight, protects from cold air and offers great operator comfort.
- The low weight of this tool will reduce operator fatigue.
- Feather-touch trigger allows precise delivery of power and speed.
- 4-position power regulator in forward helps adjusting the power to the application.
- One-hand forward/reverse switch for easy operation.
- 360° swivel inlet helps eliminating twisted hoses.
- Patented technology reduces the noise level without sacrificing the power.
- FREE two-year limited warranty with tool registration.

Specifications at 6.2 bar (90 psi)

Part Number	2145QiMAX-SP
Ordering number	47122585
Drive size (square)	3/4 in
Socket retainer type	friction ring and through hole
Other available versions:	
- 1" square drive, ATEX	2155QiMAX-SP

PERFORMANCE

Working torque in forward	200 - 900 ft-lb / 271 - 1 220 Nm
Maximum torque in forward	1 100 ft-lb / 1 491 Nm
Working torque in reverse	200 - 1 000 ft-lb / 271 - 1 356 Nm
Maximum torque in reverse	1 350 ft-lb / 1 830 Nm
Free speed	6 300 rpm
Impacts per minute	1 150

AIR SYSTEM

Air Inlet (NPT)	3/8 in
Minimum hose size	1/2 in / 13 mm
Average air consumption	8.5 CFM / 4.0 L/s
Air consumption at load	32 CFM / 15.1 L/s

NOISE & VIBRATION

Impacting sound pressure / power (ISO15744)	96.3 / 107.3 dB(A)
Free speed sound pressure / power (ISO15744)	91.1 / 102.1 dB(A)
Vibration level / measurement uncertainty (ISO28927)	8.7 / 2.7 m/s ²

WEIGHT & DIMENSIONS

Tool weight	7.37 lb / 3.35 kg
Tool dimensions (L x W x H)	8.5 x 3.3 x 8.1 in / 217 x 83 x 205 mm
Shipping weight	9.2 lb / 4.19 kg
Shipping dimensions (L x W x H)	284 x 315 x 117 mm
UPC / EAN code	6 63023 09717 6
Origin	Assembled in the USA





SK6M6L
81287401
3/4" Impact socket set (6 pcs) (24, 27, 30, 32, 33 and 36 mm)



E67H
16586539
3/4" Extension 175 mm



E63H
16586521
3/4" Extension 75 mm



Impact sockets
For the complete range, see our accessory catalogue.



Socket retainer rings
For the complete range, see our accessory catalogue.



33204
91486357
Hose whip, 3/8" NPT, 10 mm inside diameter, 30 cm (1 ft)



77NMC3
88104088
7N7/7S7 Series nipple, 3/8" male thread, 7.2 mm bore (EURO 7.2 - 7.4)



IB8NMC3
88103304
IBN/IBS Series nipple, 3/8" male thread, 8 mm bore (ISO6150B / MIL-C4109)



Quick Release Couplings
For the complete range, see our accessory catalogue.



Filters, regulators, lubricators
For the complete range, see our accessory catalogue.



115-LBK1
04616108
Lubricant kit for Impacttools™ with composite housing



10Z4
03875671
Oil, Class 1, no. 10, 0.12 L



115-4T
04616157
Grease for Impacttools with composite housing



Lubricants
For the complete range, see our accessory catalogue.



2145-THK2
47100011
Impact mechanism service kit



2145-TK2
47100011
Motor service kit



ATEX Certified Air Impacttools ★★ ★ Super-duty classification

Ingersoll Rand has always offered products to be used in hazardous atmospheres. As well as the standard classic Impacttools with housings in a special spark resistant alloy, investment in low static spark composite technology has made possible a new range of lightweight impacttools which are fully certified to classifications under the new European Directives 94/9/EC and 1999/92/EC – commonly known as the ATEX Directives.

These are the tool of choice for specialized applications within the petrochemical and mining industries, and in any production or processing areas where hazardous atmospheres can occur.

Safety: ATEX certification EX I M2 c IIB 95°C X and EX II 2 GD c IIB 95°C X allows these tools to be used in potentially explosive atmosphere in compliance with European Community Directives 94/9/EC and 1999/92/EC .

Reliability: Ingersoll Rand Twin Hammer impact mechanism. Pressure-fed mechanism lubrication.

Control: feather-touch trigger allows precise delivery of power and speed.



Bolting



Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	Profile	in (1)	Recom. Nm	Max. Nm	1 min. rpm	1 min.	kg	mm	in (NPT)	mm	l/s	dB(A)	m/s ² / K(2)
Air Impacttool / Twin Hammer Mechanism														
2131PSP	45471687	P	1/2" hole type	68-542	813	9 500	1 250	2.00	190	1/4"	10	11.0	93.7	8.3 / 1.1
2145QiMAX-SP	47122585	P	3/4" hole type	271-1220	1 830	6 300	1 150	3.35	217	3/8"	13	15.1	96.3	8.7 / 2.7
2155QiMAX-SP	47122619	P	1" hole type	271-1220	1 830	6 300	1 150	3.36	225	3/8"	13	15.1	96.3	8.7 / 2.7
2934B2SP-EU	01337682	B	1" hole type	678-1490	2 034	6 600	750	10.0	286	1/2"	19	22.0	97.9	18.8 / 3.7
2940B2SP-EU	01337583	B	1" hole type	1360-2170	2 710	5 000	850	8.40	311	1/2"	19	27.0	97.8	17.8 / 3.4

(1) Hole-type square drives for use with socket retaining rings (see description page 21).

(2) ISO28927 – 3-axis measurement: vibration level / measurement uncertainty.