

3900-Series

The revolutionary design of the 3900 Series gives more power and greater durability than any competitive model. From the inside out, the comprehensive list of features and benefits makes it the only choice for professionals in the oil and gas, power generation and other demanding industries.

Performance: 6,780 Nm (5,000 ft-lb) of maximum torque in reverse. Twin Hammer impact mechanism. High-performance motor package includes 7-vane rotor and bronze end-plates – can be easily converted to provide maximum torque in forward direction for fastening applications.

Durability: lightweight titanium hammer case with unparalleled durability. Corrosion- and wear-resistant bronze end-plates.



3955B2Ti



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

Model No.	CPN	Profile	 in(1)	 Nm	 Nm	 rpm	 bpm	 kg	 mm	 in (NPT)	 mm	 l/s	 dB(A)	 m/s ² /K ⁽²⁾
Air Impacttool/Twin Hammer Mechanism														
3940P2Ti	80162597	P	1" hole type	678–2,237	3,729	5,300	800	9.3	256	1/2"	19	35	97.8	14.2/2.0
3940A2Ti	80150402	A	1" hole type	678–2,237	3,729	6,000	800	9.6	341	1/2"	19	35	106.6	13.1/1.6
3942A2Ti	80152960	A	1" hole type	1,356–2,644	4,407	5,000	850	10.5	361	1/2"	19	44	103.4	16.9/4.6
3955A2Ti	80153562	A	1–1/2" hole type	2,170–5,290	6,780	2,750	700	15.7	423	1/2"	19	37	102.0	20.8/8.5
3940B2Ti	10568301	B	1" hole type	678–2,237	3,729	6,000	800	9.6	341	1/2"	19	35	100.6	13.1/1.6
3942B2Ti	80152978	B	1" hole type	1,356–2,644	4,407	5,000	850	10.5	361	1/2"	19	44	102.0	16.9/4.6
3955B2Ti	80151103	B	1–1/2" hole type	2,170–5,290	6,780	2,750	700	15.7	423	1/2"	19	37	102.0	20.8/8.5

(1) Hole-type square drives for use with socket retaining rings (see description page 28).

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

5000-Series

The 5000 Series is designed with durability in mind, from the vanes turning the motor to the hammer frames and anvils. Proprietary hardening and treatment processes and excellence in manufacturing all add up to the longest lasting, hardest hitting impact tools in the business.

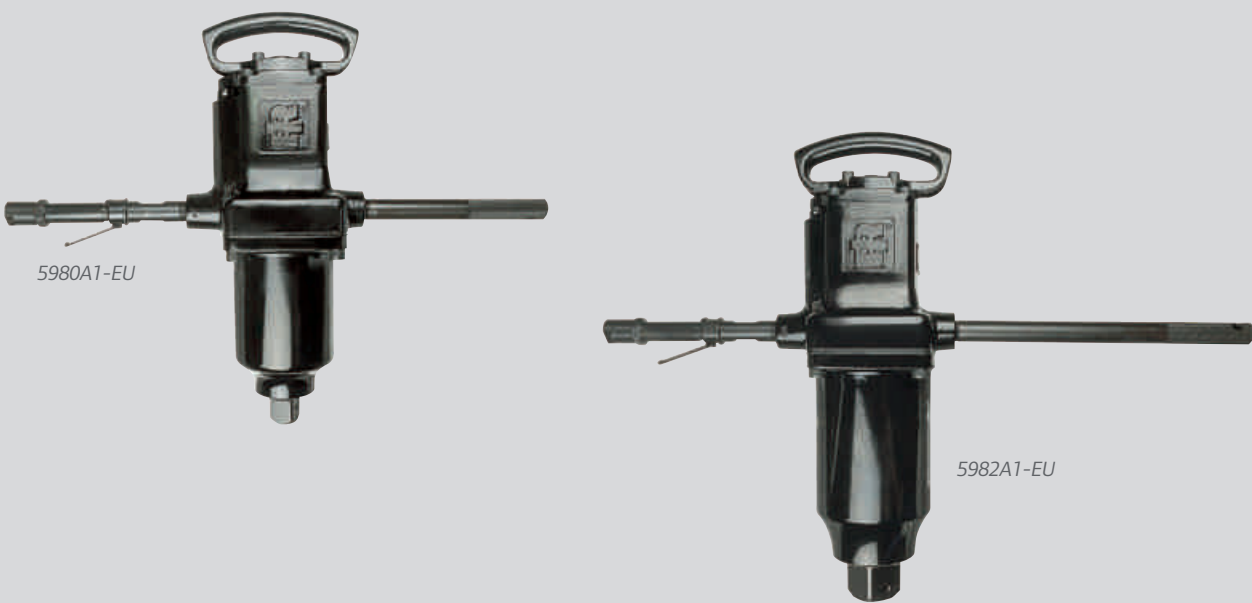
Performance: for fast removal and tightening of large fasteners. 588A1-EU model is the most powerful Impacttool in the world.

Convenience: portable, easy to handle or suspend with vertical and horizontal hangers.

Durability: built-in lubricator and high resistance hammer case.



5982A1-EU



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

Model No.	CPN	 in(1)	 Nm	 Nm	 rpm	 bpm	 kg	 mm	 in (NPT)	 mm	l/s	dB(A)
Air Impacttool/Ball & Cam Impact Mechanism												
5980A1-EU	01337799	1–1/2" hole type	3,119–7,460	13,560	830	1,000	39.9	584	3/4"	25	65	106.1
5982A1-EU	01338516	2–1/2" hole type	5,424–13,560	27,120	830	850	54.5	645	3/4"	25	61	105.1
588A1-EU	01337880	2–1/2" hole type	16,270–33,900	67,800	355	550	97.5	646	1"	25	73	113.0

(1) Hole-type square drives for use with socket retaining rings (see description page 28).

⚡ ATEX Tools

When it comes to getting the toughest jobs done, professionals around the world choose Ingersoll Rand. With tools specifically designed to meet ATEX Zone 1 or Zone 2 requirements, we meet the most demanding safety regulations for working in dangerous atmospheres. From petrochemical refineries to plastic manufacturers, Ingersoll Rand offers safe and productive solutions to meet the demands of our customers.

3940/3942 Series Tools- Ex h IIA T4 Gb X
All other Tools- Ex h IIA T6 Gb X

Performance: Torque is what counts: the performance of our ATEX tools gives you the power you need to deal with challenging jobs, especially off-shore or in other adverse environments.

Reliability: Minimizing downtime: thanks to pressure fed-lubrication technology and the outstanding quality of Ingersoll Rand tools, our extended maintenance intervals give you more time to get the job done.



Durability: It doesn't get tougher than saltwater: in order to ensure corrosion resistance and improve overall durability, Ingersoll Rand selects only the finest materials and uses ultimately robust titanium parts.

Applications: From exploration and production to refining and processing of crude oil and gas products, Ingersoll Rand offers safe and productive solutions that meet the demands for zone 1 ATEX certified tools.



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

Model No.	Profile	 in(1)	 Recom. Nm	 Max. Nm	 1 min rpm	 1 min bpm	 kg	 L mm	 in (NPT)	 mm	 l/s	 dB(A)	 m/s ² /K(2)
Air Drills													
7803RAKCEX	P	1/2" hole type	–	–	500	–	3.67	200	1/4"	10	27.0	94.0	> 2.5
7802RAKCEX	B	1/2" hole type	–	–	2,000	–	2.99	175	3/8"	10	26.0	94.0	2.8
Impact Wrench													
2131PEX	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
Titanium Impact Wrench													
2925RBP1TiEX	P	3/4" hole type	407–1,288	2,169	5,200	1,050	5.44	225	3/8"	13	28.0	98.0	10.5/1.0
3940B2TiEX	B	1" hole type	678–2,237	3,729	6,000	800	9.6	341	1/2"	19	35	106.6	13.1/1.6
3942B2TiEX	B	1" hole type	1,356–2,644	4,407	5,000	850	10.5	361	1/2"	19	44	103.4	16.9/4.6
3955B2TiEX	B	1-1/2" hole type	2,170–5,290	6,780	2,750	700	15.7	423	1/2"	19	37	102.0	20.8/8.5

(1) Hole-type square drives for use with socket retaining rings (see description page 28).
(2) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.

⚡ ATEX Tools

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.



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 bpm	 kg	 L mm	 in (NPT)	 mm	l/s	dB(A)	m/s ² /K(2)
Air Impactool/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	271–1,220	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	271–1,220	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	678–1,490	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	1,360–2,170	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 28).
(2) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.