

Ingersoll Rand®

Maintenance & Industrial Supply



Ingersoll Rand

1905 - 2005

Serving the Maintenance
& Industrial Markets
for 100 Years



IR Ingersoll Rand®

Ingersoll-Rand

Corporate Information

Ingersoll-Rand is a leading innovation and solutions provider for the major global markets of Security and Safety, Climate Control, Industrial Solutions and Infrastructure.

The company's diverse product portfolio encompasses such leading industrial and commercial brands as **Schlage** locks and security solutions; **Thermo King** transport temperature control equipment; **Husmann** commercial and retail refrigeration equipment; **Bobcat** compact equipment; **Club Car** golf cars and utility vehicles; **PowerWorks** microturbines; and **Ingersoll-Rand** industrial and construction equipment. In addition, Ingersoll-Rand offers products and services under many more premium brands for customers in industrial and commercial markets.

CLIMATE CONTROL
Equipment and services to manage a controlled temperature environment for food and other perishables

INDUSTRIAL SOLUTIONS
Products to enhance industrial efficiency and engineered systems

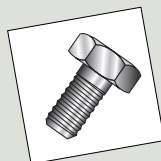
INFRASTRUCTURE
Equipment for the construction, renovation and repair of public works and private projects.

SECURITY & SAFETY
Products and services to enhance security and safety for residential, commercial and institutional buildings

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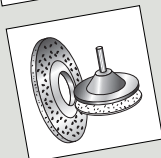
Best Sellers for 100 Years Anniversary

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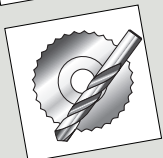
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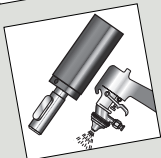
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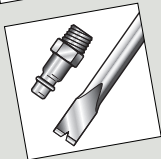
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Ingersoll-Rand Tool Rating System



*Intensive industrial
production*



Industrial production



Industrial maintenance



*Professional
maintenance*



*Non professional
grade products
(not available)*

⁽¹⁾ To help in your choice, an accessories table is presented on pages 30 and 31.


2902P1-EU ★★★★★

- Assembly and light maintenance.
- Jumbo hammer mechanism.
- Power regulator varies power by job.
- Pressure feed impact lubrication extends life.


2115QTi ★★★★★


- Mechanics and maintenance.
- Titanium technology; strong, durable and lightweight.
- Lightest most powerful impact wrench on the market: 380 Nm in reverse mode.
- Only 142 mm long ideal for confined spaces.


211-EU ★★★

- Sump removal, exhaust and transmission work.
- Jumbo hammer mechanism.
- Pressure-feed lubrication extends life.
- Power regulator.


212-EU ★★★

- Same as the 211-EU in pistol grip version.


216 ★★

- For work in confined areas.
- Butterfly style throttle for smooth forward and reverse control.
- Powerful pin clutch mechanism.
- 180° swivel inlet.


LA158 ★★

- Light maintenance.

3/8" Square Drive Impacttools
**Ingersoll-Rand -
Inventor
of the
Impactool**

**Lifetime warranty on
all Ingersoll-Rand
sockets !**

See socket sets on page 26.

3/8" Impacttools @ 90 psi – 6.2 bar

Model	Std. bolt capacity	Socket retainer	Working torque Nm	Max. torque Nm	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
2902P1-EU	M8	Pin	27 - 163	190	1.30	140	1/4	8
2115QTi	M12	Ring	34 - 312	339 (1)	1.10	142	1/4	10
211-EU	M12	Ring	27 - 204	245	1.10	168	1/4	10
212-EU	M12	Ring	27 - 204	245	1.30	152	1/4	10
216	M10	Ring	20 - 217	232	1.30	156	1/4	10
LA158	M10	Ring	10 - 70	132	1.25	137	1/4	10

(1) Max. torque in REVERSE MODE 380 Nm.



2906P1-EU ★★★★★



- Production assembly and maintenance.
- Twin hammer mechanism.
- Built in power regulator.
- Pressure feed impact lubrication extends life.



2135QPTi ★★★★★



- Titanium technology; strong, durable and lightweight.
- 1356 Nm of breakaway torque and weighs just 1,8 Kg.
- Fast removal of seriously corroded bolts.
- Quiet technology : reflective method of noise reduction.
- Socket pin retainer.
- Composite housing.



2135QTi ★★★★★



- Same tool as above with socket ring retainer.
- Available with 50 mm extended anvil: model nr. **2135QTi-2**.

2135SK ★★★★★



- 1/2" impacttool kit, contains 2135QTi 1/2" square drive impacttool with 10 sockets (10, 11, 12, 13, 14, 17, 19, 21, 22 and 24 mm).
- Durable carrying case.



New

2125QTi ★★★★★



- Mini impact wrench for maintenance and repair.
- Titanium technology; strong, durable and lightweight.
- Lightest most powerful 1/2" TwinHammer impact wrench : 380 Nm in reverse mode.
- Composite housing.
- Only 142 mm long for comfortable use in confined spaces.



1/2" Square Drive Impacttools



The benefits of the Ingersoll-Rand TwinHammer™ Mechanism

- Contains only 4 working parts. Longer life and reduced maintenance.
- Delivers an instantaneous, balanced blow.
- Gives more power and less vibration to the operator.

1/2" Impacttools @ 90 psi – 6.2 bar

Model	Std. bolt capacity	Socket retainer	Working torque Nm	Max. torque Nm	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
2906P1-EU	M14	Pin	54 - 475	678	2.70	142	1/4	10
2135QPTi	M16	Ring	68 - 814	848 ⁽¹⁾	1.80	186	1/4	10
2135QTi	M16	Ring	68 - 814	848 ⁽¹⁾	1.80	186	1/4	10
2135QTi-2	M16	Ring	68 - 814	848 ⁽¹⁾	2.00	237	1/4	10
2135SK	M16	Ring	68 - 814	848 ⁽¹⁾	1.80	186	1/4	10
2125QTi	M12	Ring	34 - 312	339 ⁽²⁾	1.10	142	1/4	10

(1) Max. torque in REVERSE MODE 950 Nm — (2) Max. torque in REVERSE MODE 380 Nm.



1/2" Square Drive Impacttools

Ingersoll-Rand - World Leader of the Impacttool



**Lifetime warranty on
all Ingersoll-Rand
sockets !**

See socket sets on page 26.

1/2" Impacttools @ 90 psi – 6.2 bar



2130XP ★★ ★★



- Composite housing.
- Multiposition power management.
- Ergonomic textured handle for improved grip control.

2130XP-K ★★ ★★

Same tool as above in a carrying case together with 10 impact sockets (10, 11, 12, 13, 14, 17, 19, 21, 22 and 24 mm).



New



231GXP ★★ ★★

- Repair and maintenance with rubber grip handle.
- Pressure-feed lubrication system extends life.
- Reverse biased for increased performance.



131S-EA ★★ ★★

- Repair and maintenance.
- Pressure-feed lubrication system.
- Reverse biased for increased performance.
- No sensitivity to pressure swing.
- Available with 50 mm extended anvil: model number **131S-2-EA**.



131SK ★★ ★★

- Same tool as above in a carrying case together with 10 impact sockets (10, 11, 12, 13, 14, 17, 19, 21, 22 and 24 mm).

LA425-EU ★★ ★

- Light maintenance.
- Delivered with 10 sockets, 125 mm extension bar, 1/4" nipple and mini oiler.



Model	Std. bolt capacity	Socket retainer	Working torque Nm	Max. torque Nm	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
2130XP	M16	Ring	68 - 600	814	1.90	184	1/4	10
231GXP	M14	Ring	34 - 475	678	2.60	185	1/4	10
131S-EA	M14	Ring	34 - 450	610	2.60	185	1/4	10
131S-2-EA	M14	Ring	34 - 450	610	2.80	236	1/4	10
LA425	M12	Ring	35 - 370	408	2.50	181	1/4	10



2925P1Ti ★★★★★



- For production and heavy maintenance.
- The most powerful 3/4" impact tool: 1970 Nm maximum torque!
- Titanium technology; strong, durable and lightweight.
- Corrode "X" internal features resist corrosion.



2141PSP ★★★★★



- Certified to ATEX EXII 2 GD c IIB 95°C X and EXI M2 c IIB 95°C X.
- Six vane high output air motor.
- One hand operation forward / reverse.
- 360 degree swivel inlet.



3/4" Square Drive Impacttools



2141P ★★★★★



- Composite Impact Wrench for industrial maintenance.
- Very high power to weight ratio.
- Built in power regulator.
- One hand operation forward / reverse.
- Bronzed plate for durability.
- Socket retention with pin retainer.

261-EU ★★★

- Repair and maintenance.
- Jumbo hammer impact mechanism.
- Pressure feed lubrication system and power regulator system.
- Available with 150 mm anvil, model no. **261-6-EU**.



258 ★★

- Adjustable power.
- 360° swivel inlet eliminates twisted hoses.
- Silenced, in-handle exhaust.



The benefits of the Ingersoll-Rand TwinHammer™ Mechanism

- Contains only 4 working parts. Longer life and reduced maintenance.
- Delivers an instantaneous, balanced blow.
- Gives more power and less vibration to the operator.

3/4" Impacttools @ 90 psi – 6.2 bar

Model	Std. bolt capacity	Socket retainer	Working torque Nm	Max. torque Nm	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
2925P1Ti	M30	Hole	476 - 1496	1970	5.40	225	1/2	13
2141PSP	M27	Hole	270 - 1220	1400 (1)	3.20	208	3/8	13
2141P	M27	Hole	270 - 1220	1400 (1)	3.20	208	3/8	13
261-EU	M27	Ring	270 - 1220	1495	5.60 (2)	224 (2)	3/8	13
258	M27	Ring	270 - 1088	1360	4.90	249	3/8	13

(1) Max. torque in REVERSE MODE 1620 Nm — (2) Model 261-6-EU: weight 6.2 kg, length 376 mm.



1" & 1.1/2" Square Drive Impacttools

**High power
& low weight
with the
TITANIUM
Series Team !**



**Lifetime warranty on
all Ingersoll-Rand
sockets !**

See socket sets on page 26.



2190DTi-6

New



3955B2Ti ★★★★★

- 1.1/2" square drive model: the heaviest of maintenance and repair operations.
- Titanium technology; strong, durable and lightweight.
- Strongest most durable mechanism.
- 7 vane motor gives exceptional power.



- Reverse bias with bronze endplates for the ultimate in corrosion and wear resistance.

New



3940B2Ti ★★★★★

3942B2Ti ★★★★★

- 1" square drive model: the heaviest of maintenance and repair operations.
- Titanium technology.
- Strongest most durable mechanism.



- Reverse bias with bronze endplates for the ultimate in corrosion and wear resistance.
- Exceptional power with 7 vane motor.



2925B2Ti ★★★★★

- 1" model for heavy maintenance and repair.
- Titanium technology; strong, durable and lightweight.
- Corrode "X" internal features resist corrosion.
- Most powerful version of 2925 series.



2925P3Ti ★★★★★

- Heavy maintenance and repair.
- 1" version of 2925P1Ti.
- Titanium technology; strong, durable and lightweight.
- Corrode "X" internal features resist corrosion.



2190Ti-6

★★★★★

- Titanium technology.
- 1" model designed for tyre changing.
- High torque 7-vane air motor.
- Delivers over 2200 Nm of torque in a light weight package (weighs only 6.3 Kg).
- Chainsaw handle provides comfortable control for the operator.

2190DTi-6 ★★★★★

- Same features as the 2190Ti-6 with a traditional "D" handle.





271-EU ★★★

- General industrial maintenance.
- Jumbo hammer impact mechanism.
- Pressure feed lubrication system.
- Supplied with dead handle.

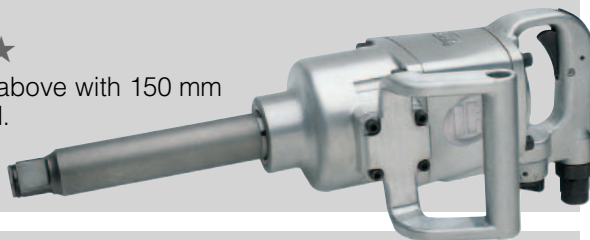
285A ★★

- Industrial maintenance of trucks.
- Three position power regulator.
- "Angled-down" exhaust.
- Adjustable side handle.



285A-6 ★★

- Same tool as above with 150 mm extended anvil.



295-EU ★★

- Industrial maintenance, plant applications and bus/truck chassis work.
- Top-mounted dead handle for a good grip.
- Three position power regulator.
- Available with 150 mm extended anvil: model number **295-6-EU**.



1" Square Drive Impacttools



See our **Portable Heavy Duty FRL Combi** page 28

1" & 1.1/2" Impacttools @ 90 psi – 6.2 bar

Model	Std. bolt capacity	Socket retainer	Working torque Nm	Max. torque Nm	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
1.1/2" IMPACTTOOL								
3955B2Ti	M42	Hole	2169 - 5559	6644	15.7	419	1/2	13
1" IMPACTTOOLS								
3942B2Ti	M39	Hole	1355 - 2850	4406	10.5	362	1/2	13
3940B2Ti	M36	Hole	680 - 2440	3730	9.6	343	1/2	13
2925B2Ti	M33	Hole	475 - 1900	2170	6.5	314	1/2	13
2925P3Ti	M33	Hole	475 - 1495	1970	5.4	225	1/2	13
2190Ti-6	M33	Ring + hole	200 - 1630	2200	7.0	546	1/2	13
2190DTi-6	M33	Ring + hole	200 - 1635	2200	7.3	546	1/2	13
271-EU	M30	Ring	135 - 1020	1630	5.7	226	3/8	13
285A	M33	Ring + hole	135 - 1635	2100	10.0	335	1/2	13
285A-6	M33	Ring + hole	135 - 1635	2100	11.4	511	1/2	13
295-EU	M33	Ring + hole	135 - 1635	2100	10.1	280	1/2	13
295-6-EU	M33	Ring + hole	135 - 1635	2100	11.5	440	1/2	13




Ratchet Wrenches

Swivel It™

Bi-directional 360° rotation universal joint Increases operator comfort and manoeuvrability of air tool.

1/4", flow 11.8 l/s, part no. **ASC-1/4**



Tune-Up Kits

You can use our popular kits to keep your air tools performing at top power.

Save money, too: the kit costs less than the individual parts.



RATCHET HEAD KITS

111-TRK1 for model 111A-EU

1111-TRK1 for model 1111A-EU

Mini Ratchet Wrenches

1103 ★★★★★
1/4" Square drive

1133 ★★★★★
3/8" Square drive

- Stubby composite ratchets.
- Double injection moulded handle for superior comfort.
- Two speed power ring and directional exhaust.



103A ★★
1/4" Square drive

1033A ★★
3/8" Square drive

- Stubby ratchets for fastener work in confined spaces.
- Two of the smallest air ratchets available, only 165 mm long.
- Heat treated, hardened steel yoke.



High Power Ratchet Wrenches

1200 ★★★★★
3/8" Square drive

1210 ★★★★★
1/2" Square drive

- Two finger variable throttle that gives the mechanic ultimate versatility and control.
- High performance 4-vane offset motor for torque and efficiency increase.
- Lightweight composite handle for superior comfort and grip.
- 360 degree directional side exhaust.



Reactionless Ratchets

111A-EU ★★★★★
3/8" Square drive

1111A-EU ★★★★★
1/2" Square drive

- Unique impact mechanism eliminates torque reaction - thereby saving your knuckles.
- The fastest air ratchet - two and a half times faster than standard ratchets.
- Ideal for the toughest applications.



109XP ★★★ 3/8" Square drive

1099XP ★★★ 1/2" Square drive

- Fastest ratchet in its class.
- Up to 95 Nm torque, 300 rpm free speed.
- 360° adjustable exhaust.
- Still provides convenient access for tight spaces such as crowded engine compartments.



107XP ★★★ 3/8" Square drive

1077XP ★★★ 1/2" Square drive

- Body shop work, radiator removal and replacement, spark plugs, engine and exhaust work.
- Technologically advanced head design for extra durability.
- Variable speed lever style throttle.
- 360° adjustable exhaust.



170 ★★ 3/8" Square drive

1770 ★★ 1/2" Square drive

- Powerful wrenches – high quality at an affordable price.
- Compact head for confined areas.



Ratchet Wrenches



**Lifetime warranty on
all Ingersoll-Rand
sockets !**

See socket sets on page 26.

Ratchet Wrenches @ 90 psi – 6.2 bar

Model	Std. bolt capacity	Max. torque Nm	Working torque Nm	Free speed rpm	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
1/4" SQUARE DRIVE								
1103	M10	34	7 - 34	270	0.80	190	1/4	6
103A	M10	27	7 - 27	200	0.50	165	1/4	6
3/8" SQUARE DRIVE								
109XP	M10	95	14 - 82	300	1.40	302	1/4	8
1200	M10	81	14 - 68	275	1.20	273	1/4	8
170	M10	75	14 - 61	160	1.10	260	1/4	6
111A-EU	M10	68	14 - 68	300	1.20	267	1/4	8
107XP	M10	68	14 - 61	160	1.10	267	1/4	8
1133	M10	34	7 - 34	270	0.80	190	1/4	6
1033A	M10	27	7 - 27	200	0.50	165	1/4	6
1/2" SQUARE DRIVE								
1099XP	M10	95	14 - 82	300	1.40	302	1/4	8
1210	M10	81	14 - 68	275	1.25	273	1/4	8
1770	M10	75	14 - 61	160	1.10	260	1/4	6
1111A-EU	M10	68	14 - 68	300	1.20	267	1/4	8
1077XP	M10	68	14 - 61	160	1.10	267	1/4	8



1/4" Hex Drive Screwdrivers



INGERSOLL-RAND High precision Shut-Off Clutch ★★★★★

- Designed for critical fastening operations that require precise torque control.
- Reduces air consumption.



1/4" hex drive power bits

Point size or hex size Part no. Extra hard Part no. Medium hard

ACR Phillips

1	XP-161	P-161
2	XP-162	P-162
3	XP-163	P-163

Allen

2	HXM2	HM2
2.5	HXM2.5	HM2.5
3	HXM3	HM3
4	HXM4	HM4
5	HXM5	HM5
6	HXM6	HM6
8	HXM8	HM8

Screwdrivers @ 90 psi – 6.2 bar



1RTQS1 ★★★★★

- Pistol screwdriver with push to start control.
- For general maintenance and heavy duty work.
- Accurate tool with high precision shut-off clutch.
- Lightweight and compact design for maximum operator comfort.
- High efficiency and reliability (million cycles) thanks to Ingersoll-Rand experiment.
- Fast, simple and low cost maintenance.



1RLQS1 ★★★★★

1RPQS1 ★★★★★

- For precise maintenance and heavy duty work.
- Accurate tool with high precision shut-off clutch.
- Lightweight and compact design.
- High efficiency and reliability (million cycles) thanks to Ingersoll-Rand experiment.
- Fast, simple and low cost maintenance.
- 1RLQS1 with control by trigger.
- 1RPQS1 with push to start control.



5RANC1-EU ★★★★★

- Heavy duty, accurate tool.
- Adjustable cushion clutch with precise torque control.
- Low cost maintenance.



LA412-EU ★★

- All-purpose pistol-grip screwdriver with positive action offers full torque throughout run-down.
- Reverse switch at trigger – Variable speed throttle.
- In-handle exhaust.



LA413-EU ★★

- Adjustable clutch for sensitive control.
- Reverse switch at trigger – Variable speed throttle.
- In-handle exhaust.

Model	Clutch type	Free speed rpm	Maximum torque Nm	Spindle type	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
1RTQS1	Adjust. Shut-off	500	5.1	1/4 Quick change	0.68	222	1/8	6
1RLQS1	Adjust. Shut-off	500	5.1	1/4 Quick change	0.50	222	1/8	6
1RPQS1	Adjust. Shut-off	500	5.1	1/4 Quick change	0.50	222	1/8	6
5RANC1-EU	Adjust. Cushion	900	8.0	1/4 Quick change	1.30	241	1/4	8
LA412-EU	Direct drive	1800	13.0	1/4 Quick change	1.50	184	1/4	10
LA413-EU	Adjustable	1800	13.0	1/4 Quick change	1.10	260	1/4	10

New
G1H350PG4M ★★★★★

- Advanced Industrial die grinder for all collet applications – 0.4 hp motor.
- Easily convertible from rear to front exhaust - supplied rear exhaust with exhaust hose as standard.
- One nut removal for motor repairs.


New
G2X250PG4M ★★★★★

- Advanced Industrial die grinder for all collet applications – 0.8hp motor.
- Easily convertible from rear to front exhaust - supplied rear exhaust with exhaust hose as standard.
- One nut removal for motor repairs.


New
G3X180PG4M ★★★★★

- Advanced Industrial die grinder with 1.35 hp motor for fast metal removal.
- Front/rear exhaust.
- Easy serviceability.


325SC4 ★★★★★

- 1/4" collet for all industrial finishing
- Composite grip over aluminium housing reduces vibration and noise.
- Integral trigger safety lock.
- Optional piped away exhaust available.


3108 ★★★

- Weld braking, deburring, grinding, polishing
- Ergonomic and durable composite housing.
- Lightweight durable design.


307A-EU ★★

- Mini die grinder for application in confined areas.
- Safety lever prevents accidental starts.
- Front exhaust helps keep work surface clean.



Die Grinders


LA429-EU ★★

Die grinder kit – Contains LA429-EU Grinder plus 5 x 6 mm and 5 x 3 mm shank-mounted stones, 3 mm collet reducer, 6 mm (1/4") inlet adapter and spanner.



Burrs : see our Accessories catalogue.

Die Grinders @ 90 psi – 6.2 bar

Model	Free speed rpm	Rated power		Collet size mm	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
		kW	HP					
G1H350PG4M	35 000	0.30	0.40	6	0.40	155	1/4	10
G2X250PG4M	25 000	0.60	0.80	6	1.22	308	1/4	10
G3X180PG4M	18 000	1.00	1.35	6	1.60	358	3/8	13
325SC4	35 000	0.22	0.30	6	0.62	159	1/4	9
3108	20 000	0.25	0.33	6	0.50	171	1/4	9
307A-EU	27 000	0.19	0.25	6	0.30	121	1/4	10
LA429-EU	22 000	0.42	0.56	6	1.30	168	1/4	10



Angle Grinders



For best performance, only use genuine Ingersoll-Rand parts and lubricants.

Ingersoll-Rand's tight tolerances, robust designs, and advanced metallurgy minimises wear to keep your tools running at peak performance.

Swivel It™

Bi-directional 360° rotation universal joint Increases operator comfort and manoeuvrability of air tool.



- 1/4", flow 11.8 l/s, part no. **ASC-1/4**
- 3/8", flow 21.2 l/s, part no. **AS-3/8**
- 1/2", flow 28.3 l/s, part no. **AS-1/2**

Angle Grinders @ 90 psi – 6.2 bar

New

G2A120PP95

★★★★★

- Advanced Industrial 5" wheel grinder.
- 0.8 hp motor.
- 2000 hour life angle head.
- One nut removal for motor repairs.



G3A120PP95 ★★★★★

- Same tool with super power from 1.35 hp motor - power to spare.

320AG3 ★★★★★

- Weld cleaning and finishing with 3" wheel.
- Internal wick lubricator extends angle gear life.
- Optional piped away exhaust available.



3102 ★★★

- Mini angle grinder with multipositional head.
- Positive grip 6 mm capacity collet chuck.
- Ergonomic and durable composite housing.
- Lightweight durable design.



344 ★★★

3445 ★★★

- Angle grinder for general use, 100 mm wheel capacity for model 344 and 115 mm for model 3445.
- Motor controller - Controls the speed and power of the tool for increased productivity and enhanced operator safety.
- Optional piped-away exhaust available, part no. LG2-K284



LA421-EU ★★

LA422-EU ★★

- All purpose angle grinders suitable for metal dressing, rust removal, weld preparation and automotive bodywork.
- Wheel capacity 100 mm (LA421-EU) & 125 mm (LA422-EU).



Model	Free speed rpm	Rated power kW HP	Wheel diameter mm	Collet size mm	Spindle thread in	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
G2A120PP95	12000	0.60 0.80	125	—	M14	1.60	198	1/4	10
G3A120PP95	12000	1.00 1.35	125	—	M14	2.10	244	3/8	13
320AG3	20000	0.22 0.30	75	—	3/8-24	0.63	159	1/4	9
3102	25000	0.25 0.33	—	6	—	0.58	171	1/4	9
344	12000	0.80 1.00	100	—	3/8-24	1.65	235	1/4	10
3445	12000	0.80 1.00	115	—	3/8-24	1.70	235	1/4	10
LA421-EU	12000	0.80 1.00	100	—	3/8-24	1.80	229	1/4	10
LA422-EU	12000	0.80 1.00	125	—	3/8-24	1.85	229	1/4	10

99V60P109M-EU

★★★★★

- The heaviest metal removal from castings etc...
- Powerful 3 hp motor with stainless steel motor controller with industry's only lifetime guarantee.
- Self locking throttle lever prevents accidental operation.
- Integral steel guard gives extra strength for operator protection.
- Auto-balancer gives low vibration and extended wheel life by up to 30%.



88V60P107M-EU

★★★★★

- Heavy metal removal from castings.
- Powerful 2.1 hp motor with stainless steel motor controller with industry's only lifetime guarantee.
- Self locking throttle.
- Integral steel guard gives extra strength for operator protection.
- Auto-balancer gives low vibration and extended wheel life by up to 30%.



Vertical Grinders Engraving Pen



Motor controller:

The motors incorporate a patented controller which regulates air flow. This device controls the speed and the power of the tool. There is no need for an additional over-speed shut-off device.

Vertical Grinders @ 90 psi – 6.2 bar

Model	Free speed rpm	Rated power kW HP	Wheel diameter mm	Spindle thread in	Net weight kg	Overall height mm	Air inlet in	Min. hose size mm
99V60P109M-EU	6 000	2.2 3.0	230 x 6.5	5/8-11	5.2	175	1/2	19
88V60P107M-EU	6 000	1.5 2.1	180 x 6.5	5/8-11	4.1	155	1/2	19

DG600G2-EU

★★★★★

- High speed finishing pencil grinder.
- 60,000 rpm motor – Twist throttle.
- Comes complete with air hose and exhaust overhose.



EP50K-EU ★★★

- Engraving pen for process identification and security marking.
- Variable speed allows use on a variety of materials.
- Knurled zoom throttle provides positive control.
- Comes complete with stylus.



Safety Couplings:

See our Safety Couplings with positive two stage lock on page 29.

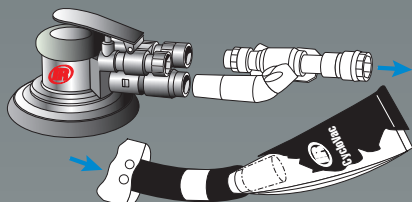


Special Purpose Grinders @ 90 psi – 6.2 bar

Model	Free speed rpm	Blows per min.	Throttle style	Standard collet size in	Exhaust location	Spindle offset mm	Overall length mm	Air inlet in	Min. hose size mm
DG600G2-EU	60 000	–	Twist	1/8	Rear	9	136	1/8	6
EP50K-EU	–	18 750	Zoom	–	–	8	137	1/8	5



Random Orbital Sanders



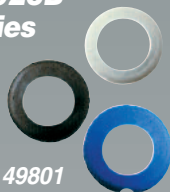
VenturiVac conversion kit

The most powerful and effective self generated vacuuming. A unique "double bagging" integral vacuum system which provide a cleaner work environment. Uses a disposable dust bag enclosed in a protective cover.

Part no **49978** for models R026B-CLV-1, 4151HL and 4152HL-SR.

Grip Rings for R026B & 4151/4152 Series

One sander fits all hand sizes with the interchangeable grip rings:

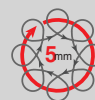


- Small grip ring (grey): **49801**
- Medium grip ring (black): **49798**
- Large grip ring (blue): **49799**
- Kit of 3 rings: **49840**

Orbital Sanders @ 90 psi – 6.2 bar

R026B-CLV-1 ★★★★★

- Fine sanding and finishing of wood & composites.
- One piece composite housing.
- Supplied vacuum ready.
- Twin roller bearing assemblies with fully machined counterbalance assemblies.



4151-HL ★★★★★

4151-HL-2 ★★★★★

- 5 mm orbit random orbital sanders for body shops applications and surface preparation.
- Ergonomic and lightweight design.
- Advanced composite rotor and vanes – non lube, oil free operation.
- Vacuum ready.
- Model with long handle, nr. **4151-HL-2**.



4152-HL-SR ★★★★★

- Indispensable tool for small alterations and spot repairs.
- High finishing with 2.5 mm orbit and 75 mm sanding pad.
- Ergonomic, lightweight and vacuum ready.
- Advanced composite rotor and vanes – non-lube, oil free operation.



311A ★★

- Feather edging, metal preparation and body filler finishing work.
- Orbital for swirl-free, quality finishing prior to painting.
- Adjustable built-in regulator – Built in silencer.



REPLACEMENT PADS FOR RANDOM ORBITAL SANDERS

- 75 mm (3") diameter - Velcro*: part no. **010056**
- 150 mm (6") diameter - Velcro*: part no. **49835**
- 150 mm (6") diameter - Vinyl: part no. **49099**

* Velcro pads can be used for both vacuum and non-vacuum models.



Model	Pad size		Pad Face	Orbital stroke	Free speed	Vacuum ready	Net weight	Overall length	Air inlet	Min. hose size
	mm	in		mm	rpm		kg	mm	in	mm
R026B-CLV-1	152	6	Vinyl	5.0	12 000	Yes	0.83	118	1/4	8
4151-HL	152	6	Vinyl	5.0	12 000	Yes	0.87	118	1/4	8
4151-HL-2	152	6	Vinyl	5.0	12 000	Yes	1.00	186	1/4	8
4152-HL-SR	75	3	Vinyl	2.5	12 000	Yes	0.85	118	1/4	8
311A	152	6	Vinyl	5.0	10 000	No	1.90	254	1/4	10

New
G1A200PS812 ★★★★★

- Belt sander for surface finishing in tight configurations.
- 0.40 hp motor.
- Easily convertible from rear to front exhaust - supplied rear exhaust with exhaust hose as standard.
- One nut removal for motor repairs.
- For 12" x 1/2" belts.


New
G2L100PS10 ★★★★★

- Powerful angle sander for medium to heavy material removal.
- 0.8hp motor.
- Long life angle head.
- One nut removal for motor repairs.
- Replacement pad available:
 - 5" diameter / medium. Part no. **77A-AM825-5**
 - 7" diameter / medium. Part no. **77A-AM825-7**


313A ★★

- Angle sander for light and heavy applications - 5000 rpm.
- Built-in speed regulator.
- Possibility to use 200 mm pad.
- Replacement plastic pad, 178 mm diameter, part no. 313-825-7
- Tool also available in polisher version with 2500 rpm free speed: model no. **314A**


317A ★★

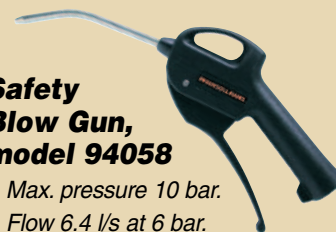
- High Speed pistol-grip sander, 18000 rpm.
- Edging and rust removal.
- Built-in regulator.
- Compact size.
- Set of 3 replacement pads (76, 100 and 127 mm diameter), part no. **317-825**



Belt Sanders & Angle Sanders


Safety Blow Gun, model 94058

- Max. pressure 10 bar.
- Flow 6.4 l/s at 6 bar.
- Air connection 1/4" BSP.


Safety Blow Gun, model 8338

- Max. pressure 17 bar.
- Air connection 1/4" BSP.
- Extension tip available (Length 254 mm), part no. **33970**.



Sanders @ 90 psi – 6.2 bar

Model	Free speed rpm	Pad or wheel diameter		Belt dimensions	Spindle thread	Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
		mm	in	mm	in				
G1A200PS812	12 000	—	—	12.7 x 305	—	0.50	273	1/4	10
G2L100PS10	10 000	178	7	—	5/8 -11	1.77	321	1/4	10
313A	5 000	178	7	—	5/8 -11	2.90	406	1/4	10
317A	18 000	127	5	—	—	1.00	112	1/4	10

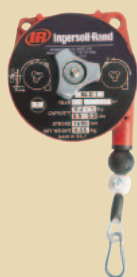
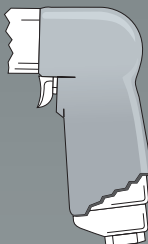


Pistol Grip & Straight Drills



The benefits of the Ingersoll-Rand Skinsulate™ coating

- Insulates skin from cold metal.
- Minimises vibration.
- Protects tool as well as workpiece.



Spring Balancers

Range of spring balancers with load capacities from 0.4 to 2.5 kg presented page 27.

Drills @ 90 psi – 6.2 bar

1AL1 ★★★★★

- Precise maintenance and heavy duty work.
- Only 159 mm length: provides convenient access for tight spaces.
- Precision control through variable trigger.
- Soft touch coating for secured grip with minimal grip force.



5ALST4-EU ★★★★★

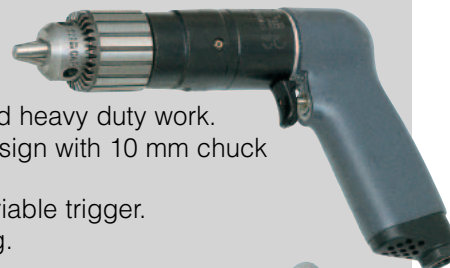
- Precise maintenance and heavy duty work.
- Compact and lightweight design.
- Precision control through variable trigger.
- Soft touch Skinsulate coating for secured grip with minimal grip force.



6AMST6-EU

★★★★★

- For general maintenance and heavy duty work.
- Compact and lightweight design with 10 mm chuck capacity.
- Precision control through variable trigger.
- Soft touch Skinsulate coating.



7ANST8-EU ★★★★★

- For general maintenance and heavy duty work.
- High capacity chuck.
- Soft touch Skinsulate coating.
- Precision control through variable trigger.
- Dead handle included.



1LL1 ★★★★★

- Very compact and versatile drill with only 17 mm side to centre distance.
- Weights only 0.5 kg.
- 6 mm chuck capacity.
- Precise speed control by lever.
- Soft touch coating for secured grip with minimal grip force.



Model	Chuck size mm	Free speed rpm	Rated power		Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
			kW	HP				
1AL1	6.0	2800	0.14	0.20	0.65	159	1/4	6
5ALST4-EU	6.0	2200	0.30	0.40	0.90	173	1/4	6
6AMST6-EU	10.0	1500	0.37	0.50	1.25	203	1/4	10
7ANST8-EU	13.0	900	0.57	0.75	1.45	222	1/4	8
1LL1	6.0	2800	0.14	0.20	0.50	194	1/4	6

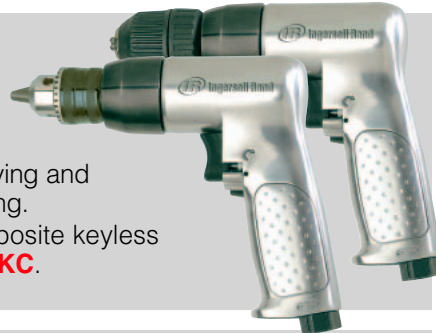
7802A ★★ ★★

- 10 mm capacity for general purpose drilling.
- Compact, lightweight and powerful.
- Tease throttle for precision speed control.
- Available with 10 mm composite keyless chuck under model No. **7802AKC**.



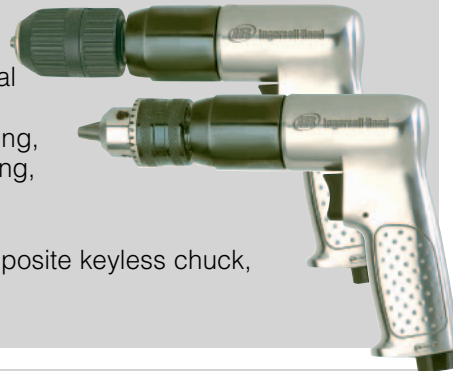
7802RA ★★ ★★

- Same as model 7802A in reversible version.
- Additional advantage of driving and removing screws and tapping.
- Available with 10 mm composite keyless chuck, model No. **7802RAKC**.



7803A ★★ ★★

- 13 mm capacity for general purpose drilling.
- Extra power for frame drilling, cylinder honing, hole sawing, reaming.
- Dead handle included.
- Available with 13 mm composite keyless chuck, model No. **7803AKC**.



7803RA ★★ ★★

- Same as model 7803A in reversible version.
- Advantage of driving and removing screws and tapping.
- Available with 13 mm composite keyless chuck, model No. **7803RAKC**.

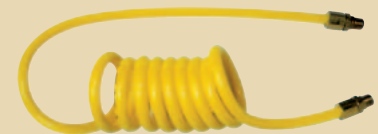


Pistol Grip Drills



Metal Keyless Chucks (Thread 3/8" x 24)

- **STANDARD GRADE :**
10 mm capacity, part no. **KC10MM**
13 mm capacity, part no. **KC13MM**
- **INDUSTRIAL GRADE :**
6 mm capacity, part no. **CM-116688**
8 mm capacity, part no. **125605**
10 mm capacity, part no. **116689**
13 mm capacity, part no. **123194**



Supercoil™ Recoil Hose

Recoil Hose Assemblies with
SWIVEL FITTINGS page 27.

Drills @ 90 psi – 6.2 bar

Model with std. chuck	Model with keyless chuck *	Chuck size mm	Free speed rpm	Rated power		Net weight kg	Overall length mm	Air inlet in	Min. hose size mm
7802A	7802AKC	10	2000	0.37	0.5	1.2	175	1/4	10
7802RA	7802RAKC	10	2000	0.37	0.5	1.2	175	1/4	10
7803A	7803AKC	13	500	0.37	0.5	1.4	200	1/4	10
7803RA	7803RAKC	13	500	0.37	0.5	1.4	200	1/4	10

* Composite keyless chuck.



Reciprocating & Circular Saws



Replacement blades for 4429 and 429 saws

- Fine blade (12 teeth/cm - red), quantity 6, Part no. 329-F500
- Coarse blade (10 teeth/cm - grey), quantity 6, Part no. 329-C500



**Rugged full shift capacity
lubricator** (see page 28).

Saws @ 90 psi – 6.2 bar

S120-EU ★★★★★

- Extra heavy cutting of concrete, metal and wood.
- Powerful 3hp motor will not burn out under stall conditions.
- Comes with depth gauge bracket for adjusting depth of cut.
- Built in lubricator.



S80-EU ★★★★★

- Very heavy cutting of concrete, metal and wood.
- Powerful 2hp motor will not burn out under stall conditions.
- Comes with depth gauge bracket for adjusting depth of cut.
- Built in lubricator.



SRA010A1-EU ★★★★★

- Reciprocation saw for cutting pipework, conduits, wood, metal and plastic.
- Grip handle with self locking throttle for operator safety.
- Rotatable exhaust deflector as standard - Piped away exhaust available as optional extra.
- Takes "Universal" format saw blades



4429 ★★★

- Cuts intricate shapes and tight radius curves on flat and curved surfaces.
- Rubber grip and contoured design for greater comfort.
- Adjustable blade guide increases blade life.



429 ★★

- Cuts intricate shapes and tight radius curves on flat and curved surfaces.
- Adjustable blade guide increases blade life.
- Supplied with 3 x 10-teeth/cm blades and 3 x 12-teeth/cm blades.



Model	Free speed rpm	Blade diameter mm	Arbor hole dia. mm	Min / Max. depth of cut mm	Max. depth of cut at 45° mm	Strokes per min.	Dimensions L x W mm	Weight wo. blade kg	Air inlet in	Min. hose size mm
S120-EU	2050	305	25	35/111	102	—	L 505 x W 262	12.4	1/2	19*
S80-EU	4000	210	16	5/76	64	—	L 350 x W 222	6.6	1/2	19*
SRA010A1-EU	—	—	—	Stroke: 16 mm	—	1600	L 438	3.7	1/4	8
4429	—	—	—	—	—	5750	L 235	0.7	1/4	10
429	—	—	—	—	—	9000	L 229	0.6	1/4	10

* Recommended for maximum performance; however a whip of 13 mm hose up to 3.7 m can be used with slight reduction in performance.

W3A1-EU

★★★★★

- Heavy demolition.
- Swan neck handle with outside forged steel trigger.
- Piston bridge prevents accidental discharge for operator safety.
- Directional exhaust deflector.



MDT3-EU ★★★★★

- Medium to heavy demolition.
- High power to weight ratio with tease throttle.
- Aluminium handle and rugged four bolt construction.
- Retainer accepts all types of steel - point, chisel, spade etc...



121/Q-EU ★★★ ●

121/QH-EU ★★★ ●

- Long-life tool with one-piece alloy barrel.
- Body work, shearing and general front end work.
- Professional touch trigger.



116-EU ★★ ●

116H-EU ★★ ●

- Medium exhaust system work and panel cutting.
- Alloyed steel barrel and heat-treated piston for longer life.
- Trigger control of speed and power.
- Built-in power regulator.



LA426-EU ★★ ●

LA427-EU ★★ ●

- Air Hammer with 6 different chisels for cutting, edging and punching applications.
- LA426-EU kit equipment: 116-EU Hammer, edging tool, tail pipe cutter, straight chisel, cutting chisel, punch, spotweld cutting chisel, 1/4" nipple, blow moulded case.
- LA427-EU kit equipment: Same as above with 116H-EU Hammer.



Hammers



Pneumatic Hammer:
the best power to weight ratio available



Chisels: see accessories page 27

Hammers @ 90 psi – 6.2 bar

Model	Shank opening	Nozzle size mm	Blows per minute	Bore diameter mm	Piston stroke mm	Weight less chisel kg	Overall length mm	Air inlet in	Min. hose size mm
W3A1-EU	●	17.0	1725	28.0	76	7.5	464	1/4	13
MDT3-EU	●	19.0	1725	28.0	76	6.7	435	3/8	13
121/Q-EU	●	10.2	3000	19.0	58	1.6	194	1/4	10
121/QH-EU	●	10.2	3000	19.0	58	1.6	194	1/4	10
116-EU	●	10.2	3500	17.5	67	1.5	198	1/4	10
116H-EU	●	10.2	3500	17.5	67	1.5	198	1/4	10




Chisel / Needle Scalers

Scaler attachment :

Used to modify models 172L-EU and 182G-EU into needle scalers.
Comprises housing and steel needles.
Part no. **NS11A**

Replacement needles :

Sets of 19 needles - 127 mm long.
FIT ALL OUR SCALERS.

- Steel needles – Part no. **NS11-22-19**
- Beryllium copper needles – Part no. **NS11-B22-19**
- Stainless steel needles – Part no. **NS11-S22-19**

Scalers @ 90 psi – 6.2 bar

182LNA1-EU ★★★★★

- Removing paint, corrosion etc...
- Choice of three needle materials.
- Adjustable housing enables optimum use of needles
- Also available in grip / chisel configuration, model no. **182G-EU**.



182K1-EU ★★★★★

- Complete kit in carrying case.
- Comprises 182L-EU scaler – complete NS11A needle attachment with 127 mm long needles – one set of NS11-122-19 extended steel needles, 178 mm long and 3 chisels (angle, straight and flat chisel).

172L-EU ★★★★★

- For removing casting flashing.
- Positive chisel retainer is simple to operate.
- Long nozzle section extends retainer life.
- Strengthened head block lasts throughout the most extreme conditions.



125-EU ★★

- Surface preparation work, cleaning or removal of paint, rust, dirt or weld slag.
- The 125-EU is durable and dependable.



Model	Throttle type	Blows per minute	Bore diameter mm	Piston stroke mm	Weight less chisel kg	Overall length mm	Air inlet in	Min. hose size mm
182LNA1-EU	Lever	4000	24.0	27	2.6	381	1/4	8
182G-EU	Grip	4000	24.0	27	2.4	325	1/4	8
182K1-EU	Lever	4000	24.0	27	1.8	229	1/4	8
172L-EU	Lever	5500	24.0	14	1.7	194	1/4	8
125-EU	Lever	4600	25.4	28	2.8	465	1/4	8

LA428-EU ★★

- Air Caulking Gun.
- Labour saving body-caulk application tool.
- Power regulator.
- Accepts standard cartridges: 50 x 215 mm.



LA415-EU ★★ LA437EU ★★

- Air / Hydraulic Riveters – Makes light work of all pop rivetting applications.
- Rivet capacity (aluminium) up to 6.4 mm (LA415-EU) and 4.8 mm (LA437-EU).
- Swivel inlet – Rivet shell reservoir.
- Accessories (supplied with tools):
LA415: 2.4 - 3.2 - 4.0 - 4.8 - 6.4 mm nosepieces and wrench.
LA437: 2.4 - 3.2 - 4.0 - 4.8 mm nosepieces and wrench.



LA418A-EU ★★

- Windscreen cutter: efficient tool which reduces windscreen replacement time.
- 20,000 oscillations/min.
- Stroke arc 3°.
- Accessories at extra cost:

Step blade **LA418-CB1-90**
Swept hook blade **LA418-CB2-36**
Curved blade **LA418-CB3-30**
Scraper blade **LA418-CB4-8**



Angle straight blade **LA418-CB7-35**
Straight hook blade **LA418-CB8-24**
Circular blade **LA418-CB9-60**

325-EU ★★

- Used for nibbling plastic, tin, aluminium and other metals up to 1.2 mm (18 gauge) rolled steel.
- Lever throttle for low speed starting
- Cuts a tight 6.5 mm (1/4") radius
- Cutting speed 1.80 m/min.
- Complete with cutter die (part no. 325-354) and cutter (part no. 325-350).



AF7000 Series ★★

- AF7000 siphon feed production spray gun.
- AF7001 gravity feed production spray gun.
- AF7002 micro-touch up spray gun.
- AF7003 gravity feed high volume low pressure spray gun.

AF7000



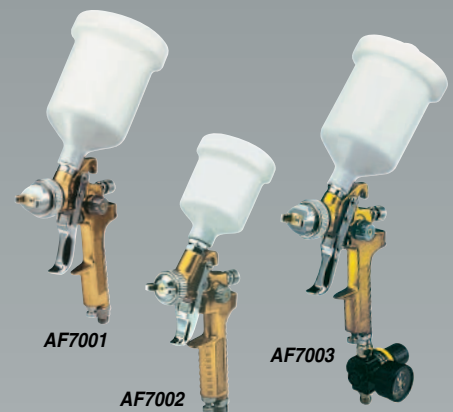
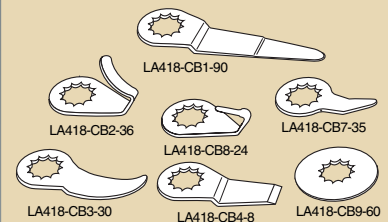
Model	Bowl capacity and material litre	Fluid orifice mm	Weight kg	Air consumption l/min
AF7000	1.0 / metal + teflon	1.8	0.8	140 at 3.5 bar
AF7001	0.6 / plastic	1.4	0.6	280 at 3.5 bar
AF7002	0.125 / plastic	0.8	0.3	85 at 2.5 bar
AF7003	0.6 / plastic	1.5	0.8	350 at 3.0 bar



Body Shop Tools & Riveters



WINDSCREEN CUTTER BLADES





Air Powered Pumps

PD05P-AAS-PAA

★★★★★

- Air-Operated Diaphragm Pump.
- Pumps any fluid with no regular maintenance required (no lubrication required).
- Ergonomic fluid transfer – Lightweight and portable.



DA005-APNN-B-P

★★★★★

- Packaged design for quick and convenient drum change out.

Pumps @ 90 psi – 6.2 bar

Reliable stall free, ice-free air motor design packaged in a robust housing to withstand the most demanding applications.

LP3100-2 ★★★★★

- 60 Litre Portable Gear Oil Package: 5:1 ratio, 3" diameter air motor.
- 8.5 bar max. air inlet pressure.
- Includes LM2305A-31 pump with meter, control handle, dolly, drum cover and material hose (1.8 m).



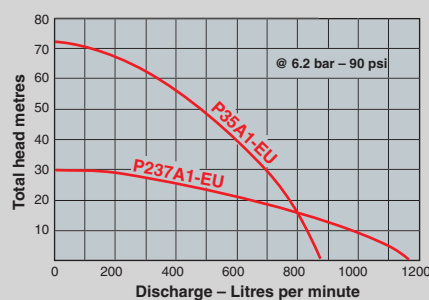
LP3003-1 ★★★★★

- 54 kg Grease Package: 50:1 ratio – 3" diameter air motor.
- 8.5 bar max. air inlet pressure.
- Includes LM2350E-31-B pump with cover, material hose (3 m), Z-swivel, dolly, booster gun, follower plate and adapter.

P237A1-EU ★★★★★

P35A1-EU ★★★★★

- Air-powered submersible pump.
- Rugged body construction.
- Simple transfer requiring high flow (750 l/min average) with high discharge head (20 metre average).



Model	Maximum capacity l/min	Body material	Seat material	Ball material	Diaphragm material in	Net weight kg	Overall height mm	Pump will pass through mm	Air inlet in (NPT)	Min. hose size mm
PD05P-AAS-PAA	49	Aluminium	Polypropylene	Santoprene	Santoprene	3.8	295	–	1/4	–
DA005-APNN-B-P	49	Aluminium	Polypropylene	Nitrile	Nitrile	5.5	1295	–	1/4	–
LP3100-2	34	Carbon steel	–	–	–	20.3	1143	–	1/4	–
LP3003-1	3.4 kg/min	Carbon steel	–	–	–	19.1	1092	–	1/4	–
P237A1-EU ⁽¹⁾	850	Cast iron	–	–	–	21.8	448	222 x 222	3/4	19
P35A1-EU ⁽²⁾	1150	Cast iron	–	–	–	36.0	570	214 x 357	1	25

(1) Discharge pipe tap size: 2.1/2" NPT – Exhaust pipe tap size: 1.1/4"

(2) Discharge pipe tap size: 2" NPT – Exhaust pipe tap size: 1"

DURA-LITE Air Motors ★★★★★

- Applications Include - Paint Systems, Textile Machinery, Strapping Machines, Drilling Machines, Feeding Machines, Medical Pumps, Punch Presses, Printing Machines, Assembly Machinery.
- Combine durability with affordability.
- Performance and application flexibility provide economic solutions.



Air Motors @ 90 psi – 6.2 bar

Model	Maximum power kW	Free speed rpm	Speed at max. power rpm	Torque at max. power Nm	Body length mm
22ME-360	0.19	335	185	9.9	150
22ME-3600	0.21	3530	1940	1.1	125
2202ME-320	0.27	275	140	18.3	160
2202ME-3200	0.28	3050	1525	1.8	135
33ME-220	0.54	210	115	43.8	200
33ME-720	0.56	715	395	13.3	200

* Air inlet size : 1/4" BSP .

Air Motors Manual Hoists



SM Series ★★★

- All steel construction Chain Hoists with nickel chrome zinc plated body.
- Reliable disc brake.
- Premium grade alloy load chain.
- Zinc plated hand chain.
- Phosphate solutioned swivel-latch hooks.



SL Series ★★★

- All steel construction Lever Chain Hoists with nickel chrome zinc plated body.
- 360° degree handle rotation with short stroke to ratchet loads.
- Reliable disc brake.
- Phosphate solutioned swivel-latch hooks

P15H wire rope Puller

- 4:1 design factor.
- Handle and frame are heavy gauge steel with rivet construction and slip-resistant grip. All steel parts are plated for years of useful life.
- 450 kg capacity, 4.6 m pulling distance, weight 3.6 kg.



Chain (SM) & Lever Hoists (SL)

Model	Load capacity kg	Pull to lift rated load kg	Number of falls	Chain size	Height of lift m	Net weight kg
SM005-10-8-E	500	21	1	5.0 x 15	3.0	8.0
SM010-10-8-E	1000	34	1	6.3 x 18	3.0	12.0
SM015-10-8-E	1500	38	1	8.0 x 24	3.0	18.0
SL100-5-E	500	35	1	5.0 x 15	1.5	5.1
SL150-5-E	750	31	1	6.0 x 18	1.5	7.1
SL200-5-E	1000	29	1	6.0 x 18	1.5	7.1



Tool Accessories

Ingersoll-Rand Lubricants

A line of oils and greases which has been tested thoroughly and is recommended without reservation.

OIL FOR ALL AIR TOOLS

Class I lubricant :

0.12 L, part no. 10Z4
0.5 L, part no. 10P
3.7 L, part no. 10G

Class II lubricant :

0.5 L, part no. 50P

Winter oil grade:

3.7 L, part no. 10GW



GREASE FOR ALL AIR TOOLS

For drills & ratchet wrenches:
450 g, part no. 28 1 LB

For angle grinders / angle sanders:
450 g, part no. 67-1 LB

For impact wrench mechanisms:
450 g, part no. 100 1LB

For Titanium Ti series and 2141
Impacttools only:
450 g, part no. 115 1LB

IMPACTOOL LUBRICANT KITS

For all models except
Ti series and 2141
Impacttools,
part no. 105-LBK1

For Ti series and 2141
Impacttools only,
part no. 115-LBK1



Impact Sockets Sets



Model no.
SK2M12



Contains/hex. size	Length	For ring Ø
6 mm	23 mm	N/A
7 mm	23 mm	N/A
8 mm	23 mm	N/A
9 mm	23 mm	N/A
10 mm	23 mm	N/A
11 mm	23 mm	N/A
12 mm	23 mm	N/A
13 mm	23 mm	N/A
14 mm	23 mm	N/A
1/4" F x 1/4" M	50 mm	N/A
1/4" F x 1/4" M	100 mm	N/A
3/8" F x 1/4" M	32 mm	22 mm



Model no.
SK6M6L



Contains/hex. size	Length	For ring Ø
24 mm	95 mm	41.5 mm
27 mm	95 mm	41.5 mm
30 mm	95 mm	41.5 mm
32 mm	95 mm	41.5 mm
33 mm	95 mm	41.5 mm
36 mm	95 mm	41.5 mm



Model no.
SK8M4L



Contains/hex. size	Length	For ring Ø
27 mm	100 mm	54 mm
30 mm	100 mm	54 mm
32 mm	100 mm	54 mm
33 mm	100 mm	54 mm



Model no. **SK3M10**



Contains/hex. size	Length	For ring Ø
9 mm	30 mm	19 mm
10 mm	30 mm	19 mm
11 mm	30 mm	19 mm
12 mm	30 mm	19 mm
13 mm	30 mm	22 mm
14 mm	30 mm	22 mm
15 mm	30 mm	22 mm
16 mm	30 mm	22 mm
17 mm	30 mm	22 mm
19 mm	30 mm	22 mm



Model no.
SK4M5L



Contains/hex. size	Length	For ring Ø
17 mm	78 mm	29 mm
19 mm	78 mm	29 mm
21 mm	78 mm	29 mm
22 mm	78 mm	29 mm
24 mm	78 mm	29 mm



Model no.
SK4M14



Contains/hex. size	Length	For ring Ø
10 mm	38 mm	24 mm
11 mm	38 mm	24 mm
12 mm	38 mm	24 mm
13 mm	38 mm	24 mm
14 mm	38 mm	24 mm
15 mm	38 mm	29 mm
16 mm	38 mm	29 mm
17 mm	38 mm	29 mm
18 mm	38 mm	29 mm
19 mm	38 mm	29 mm
21 mm	38 mm	29 mm
22 mm	38 mm	29 mm
23 mm	38 mm	29 mm
24 mm	45 mm	29 mm

Socket retainer retention rings



Part no.	Internal diameter* mm	in	Packing quantity
RR10003	19.0	0.75	10
RR10005	22.0	0.87	10
RR10006	24.0	0.95	10
RR10008	29.0	1.15	10
RR10034S	41.5	1.63	1
RR10015S	54.0	2.13	1

N.B. The retainer retention ring must have a tight fit on the socket.

* Because of the elasticity of the material, the diameter at the female square drive of the socket can be slightly larger than the ring.

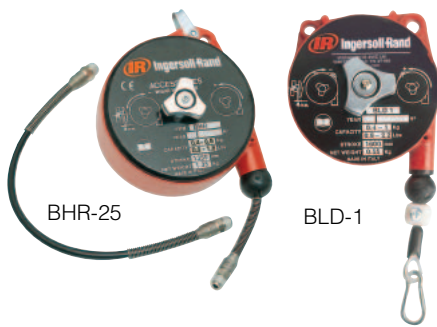
Extensions



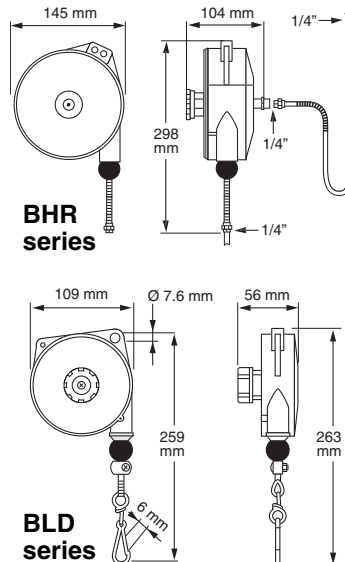
Part no.	Square drive in	Length mm	For ring Ø mm
E250MM	1/4	50	N/A
E2150MM	1/4	150	N/A
E375MM	3/8	75	19
E3150MM	3/8	150	19
E3250MM	3/8	250	19
E475MM	1/2	75	24
E4175MM	1/2	175	24
E4250MM	1/2	250	24
E6100MM	3/4	100	41.5
E6250MM	3/4	250	41.5
E6330MM	3/4	330	41.5
E8100MM	1	100	54
E8250MM	1	250	54
E8330MM	1	330	54

Lifetime warranty on all sockets from manufacturing and material defects

Hose Reel & Cable Balancers



Model	Capacity kg	Weight kg	Stroke m
Hose Reel Balancers			
BHR-8	0.4 - 0.8	1.5	1.30
BHR-15	0.7 - 1.5	1.5	1.30
BHR-25	1.2 - 2.5	1.5	1.30
Cable Balancers			
BLD-1	0.4 - 1.0	0.6	1.60
BLD-2	1.0 - 2.0	0.6	1.60
BLD-3	2.0 - 3.0	0.7	1.60



Hammer & Scaler Accessories

Chisels for models 121/Q-EU, 121/QH-EU, 116-EU, 116H-EU, LA426 and LA427

Model	Part nos:	●	◆
Straight chisel		116-66	116-66H
Punch		116-70	116-70H
Spotweld breaker		116-87	116-87H
Edging tool		116-88	116-88H
Double edged ripper		116-89	116-89H
Kit (all 5 chisels in plastic pouch)		116-K5	116H-K5

Replacement spring retainers

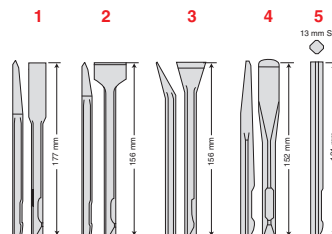


Replacement spring retainer for 116-EU, 116H-EU, 117-EU and 117H-EU :
Part no. **115-183**

Replacement spring retainer for 121/Q-EU and 121/QH-EU :
Part no. **AVC10-183A**

Chisels for models 172L-EU and 182G-EU

Model	Part no.
1 Flat scaling chisel	WF-14F-7
2 Straight scaling chisel	WF-14B-61/8
3 Angle scaling chisel	WF-14A-61/8
4 Gouge chisel	WF-14G-6
5 Chisel blank	WF-14-71/8



Needles for 172 and 182 Series Scalers

Part no.	Description
NS11A	Scaler attachment (housing) plus set of 19 steel needles (1)
NS11-22-19	127 mm Steel Needles
NS11-B22-19	127 mm Beryllium Copper Needles
NS11-S22-19	127 mm Stainless Steel Needles

(1) Allows conversion of models 172L-EU and 182G-EU into needle scalers.

Chisels for W3A1-EU Hammer

Part no.	Description	Overall length (mm)
H3R-214M-12	Moil point chisel	305
H3R-214F-12	Flat blade chisel	305
H3R-214-12	Blank chisel	305

Chisels for MDT3-EU Hammer

Part no.	Description	Width	Overall length (mm)
PH3-02200	Moil point chisel	21.5	300
PH3-02201	Moil point chisel	21.5	500
PH3-02202	Flat blade chisel	21.5	300
PH3-02203	Flat blade chisel	21.5	500

IR Ingersoll Rand



Tool Accessories

Carbide Grinding Burs

Ingersoll-Rand offers a perfect complement to its innovative grinders and finishing tools – a complete range of versatile, durable, high-precision burs. IR carbide burs reflect unrivaled quality of manufacture, as well as superior quality of service...in types, styles, and sizes; easy and quick ordering and delivery; and extended product life.

(see our accessories catalogue)

Tune-Up Kits Available

Keep your air tools performing at top power.



● RATCHET HEAD KITS

111-TRK1 for model 111A-EU
1111-TRK1 for model 1111A-EU

● HAMMER TUNE-UP KITS

216-THK2 for model 216-EU
2115-THK1 for model 2115QTI
2135-THK1 for model 2135QTI
261-THK1 for model 261-EU
2141-THK1 for model 2141S

● MOTOR TUNE-UP KITS

216-TK1 for model 216-EU
211-TK2 for model 211-EU
2115-TK1 for model 2115QTI
2130-TK1 for model 2130XP
2135-TK1 for model 2135QTI
261-TK2 for model 261-EU
2141-TK1 for model 2141S
285-TK1 for model 285A
295-TK2 for model 295-EU
2190-TK1 for model 2190Ti-6

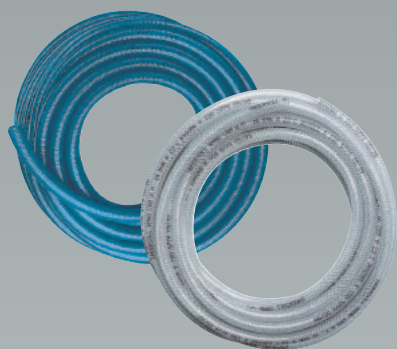
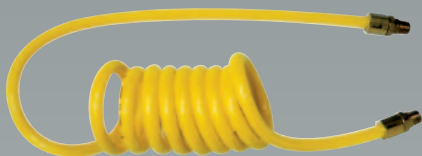


Airline Accessories

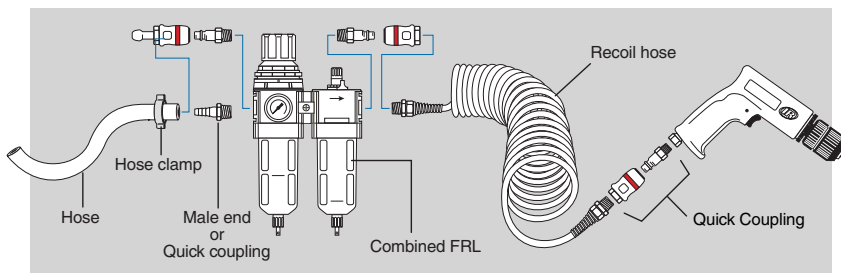


F.R.L. Combi

- Heavy duty combination unit with brazed, tubular chassis.
- Half inch sizes on manual drain, filter, regulator, lubricator and claw couplings as standard.
- Dimensions: W 390 mm x H 400 mm x D 420 mm
- Weight 7.5 kg
- FRL combination: Flow 52 l/s – Outlet pressure 0.4 – 8.5 bar - Bowl capacity 0.85 dl.



Example of air Installation



Filters, Regulators, Lubricators



Combination Units

BSP thread – Plastic bowl – Fitted with pressure gauge

Model	Air connection in	Max. supply pressure bar	Flow rate l/s	Drain type	Overall height mm	Overall width mm
Combined Filter / Regulator						
B08-C2-FRGO-29	1/4	10	20	Auto piston drain	164	40
B18-C3-FGGO-29	3/8	10	55	Auto drain	245	60
B18-C4-FGGO-29	1/2	10	71	Auto drain	245	60
Combined Filter / Regulator and Lubricator						
D08-C2-FRGO-29	1/4	10	20	Auto piston drain	164	80
D18-C3-FGGO-29	3/8	10	45	Auto drain	254	128
D18-C4-FGGO-29	1/2	10	45	Auto drain	254	128

Inline Lubricators

Aluminium body – Capacity 7 ml – Flow at 7 bar: 10 l/s – Max. working pressure 14 bar.

- Inlet 1/4" BSP-F – Outlet 1/4" BSP-F: part no. **L01-C2-A29**
- Inlet 1/4" BSP-F – Outlet 1/4" BSP-M: part no. **L01-C2-E29**
- Inlet 3/8" BSP-F – Outlet 3/8" BSP-M: part no. **L01-C3-A29**



Recoil Hoses & Hose Coils

Supercoil™ Recoil Hose Assemblies

Part no.	Hose I.D. mm in	Hose length m	Male swivel fitting, each end in	Working length m	Compact length m
IR36102	9.5 3/8	3	3/8	2.5	0.15
IR36202	9.5 3/8	6	3/8	5.0	0.34
IR36302	9.5 3/8	9	3/8	8.0	0.52
IR36103	9.5 3/8	3	1/4	2.5	0.15
IR36203	9.5 3/8	6	1/4	5.0	0.34
IR36303	9.5 3/8	9	1/4	8.0	0.52
IR37102	13 1/2	3	1/2	2.5	0.16
IR37202	13 1/2	6	1/2	5.0	0.38
IR37302	13 1/2	9	1/2	8.0	0.58

Hose Coils

Description	Internal Ø mm in	External Ø mm	Working pressure bar	Burst pres. at 20° C bar	Part no.
Blue PVC Nitrile Hose. 20 metre coil. Interior tube of black nitrile PVC Braided textile reinforcement 20 bar pressure Temperature -35°C to + 60°C.	6 1/4	12	20	60	NP6-12-20M
	8 5/16	15	20	60	NP8-15-20M
	10 3/8	19	20	60	NP10-19-20M
	12.5 1/2	20	20	60	NP13-23-20M
	16 5/8	28	20	60	NP16-28-20M
Transparent Polyester Reinforced Hose 30 metre coil Conforms to BS6066 and ISO 5774 - 15°C to + 60°C	19 3/4	31	20	60	NP19-31-20M
	6 1/4	12	10	64	CR06
	8 5/16	14	10	64	CR08
	10 3/8	16	10	60	CR10
	12.5 1/2	18	10	48	CR12
	16 5/8	23	10	40	CR16
	19 3/4	26	10	40	CR19

Couplings and Nipples

Series 7N7 & 7S7

7.2 Bore – European Profile 7.2-7.4 – Teflon coating on male threads

Inlet BSP or Hose I.D.	Standard Series 7.2 Bore	Safety Series 7.2 Bore	Nipples 7.2 Bore
FEMALE			
1/4" BSP	7N7CCFC2	7S7CCFC2	77NFC2
3/8" BSP	7N7CCFC3	7S7CCFC3	77NFC3
1/2" BSP	7N7CCFC4	7S7CCFC4	77NFC4
MALE			
1/4" BSP	7N7CCMC2	7S7CCMC2	77NMC2
3/8" BSP	7N7CCMC3	7S7CCMC3	77NMC3
1/2" BSP	7N7CCMC4	7S7CCMC4	77NMC4
HOSE			
6 mm ID	7N7CCH06	7S7CCH06	77NH06
8 mm ID	7N7CCH08	7S7CCH08	77NH08
9 mm ID	7N7CCH09	7S7CCH09	77NH09
10 mm ID	7N7CCH10	7S7CCH10	77NH10
13 mm ID	7N7CCH13	7S7CCH13	77NH13

- Maximum working pressure 16 bar - Temperature range -15° C to + 70° C.
- RATED Flow at 6 bar: 25 l/s.

IBN Standard Series

Profile MIL-C4109 • ISO 6150-B – Teflon coating on male threads

Inlet BSP or Hose I.D.	Couplings - Standard Series		Nipples	
	6 Bore	8 Bore	6 Bore	8 Bore
FEMALE				
1/4" BSP	IBN6CCFC2	–	IB6NFC2	IB8NFC2
3/8" BSP	IBN6CCFC3	IBN8CCFC3	IB6NFC3	IB8NFC3
1/2" BSP	IBN6CCFC4	IBN8CCFC4	–	IB8NFC4
MALE				
1/4" BSP	IBN6CCMC2	–	IB6NMC2	IB8NMC2
3/8" BSP	IBN6CCMC3	IBN8CCMC3	IB6NMC3	IB8NMC3
1/2" BSP	IBN6CCMC4	IBN8CCMC4	–	IB8NMC4
HOSE				
6 mm ID	IBN6CCH06	–	IB6NH06	–
8 mm ID	IBN6CCH08	IBN8CCH08	IB6NH08	IB8NH08
9 mm ID	–	–	–	–
10 mm ID	IBN6CCH10	IBN8CCH10	IB6NH10	IB8NH10
13 mm ID	–	IBN8CCH13	–	IB8NH13
16 mm ID	–	–	–	IB8NH16

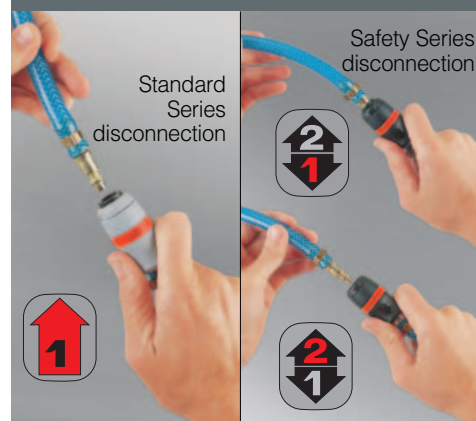
- Maximum working pressure 16 bar - Temperature range -15° C to + 70° C.
- RATED Flow at 6 bar: • 6 bore: 15 l/s. • 8 bore: 30 l/s. • 11 bore: 70 l/s.

IBS Safety Series

Profile MIL-C4109 • ISO 6150-B – Teflon coating on male threads

Inlet BSP or Hose I.D.	Couplings - Safety Series			Nipples		
	6 Bore	8 Bore	11 Bore	6 Bore	8 Bore	11 Bore
FEMALE						
1/4" BSP	IBS6CCFC2	–	–	IB6NFC2	IB8NFC2	–
3/8" BSP	IBS6CCFC3	IBS8CCFC3	IBS11CCFC3	IB6NFC3	IB8NFC3	IB11NFC3
1/2" BSP	IBS6CCFC4	IBS8CCFC4	IBS11CCFC4	–	IB8NFC4	IB11NFC4
MALE						
1/4" BSP	IBS6CCMC2	–	–	IB6NMC2	IB8NMC2	–
3/8" BSP	IBS6CCMC3	IBS8CCMC3	IBS11CCMC3	IB6NMC3	IB8NMC3	IB11NMC3
1/2" BSP	IBS6CCMC4	IBS8CCMC4	IBS11CCMC4	–	IB8NMC4	IB11NMC4
HOSE						
6 mm ID	IBS6CCH06	–	–	IB6NH06	–	–
8 mm ID	IBS6CCH08	IBS8CCH08	–	IB6NH08	IB8NH08	–
9 mm ID	–	–	–	–	–	–
10 mm ID	IBS6CCH10	IBS8CCH10	IBS11CCH10	IB6NH10	IB8NH10	IB11NH10
13 mm ID	–	IBS8CCH13	IBS11CCH13	–	IB8NH13	IB11NH13
16 mm ID	–	–	IBS11CCH16	–	IB8NH16	IB11NH16

- Maximum working pressure 16 bar - Temperature range -15° C to + 70° C.
- RATED Flow at 6 bar: • 6 bore: 15 l/s. • 8 bore: 30 l/s. • 11 bore: 70 l/s.



Airline Accessories



Male Ends

Hose I.D. (mm)	1/4" BSP pipe size	3/8" BSP pipe size	1/2" BSP pipe size
6	35006	–	–
7	35007	35107	–
8	35008	35108	36208
9	35009	35109	–
10	35010	35110F	–
11	35011	–	36211
12	–	36212	36220
13	35013	35113	36213
16	–	1816	36221
19	–	1819	36222

Hose Clamps

Tightening capacity (mm)	Part no.
9-11	CO-0911
11-13	CO-1113
13-15	CO-1315
15-17	CO-1517
15-18	CO-1518
17-20	CO-1720
18-21	CO-1821
20-23	CO-2023
22-25	CO-2225
23-27	CO-2327
25-28	CO-2528
27-31	CO-2731
31-34	CO-3134
34-37	CO-3437



Accessories Guideline

Time saver Guideline to Air System Accessories



Product family	Size or type	Product model nos.	
IMPACT WRENCHES	3/8" SQ	LA158	216
		211-EU	212-EU
		2115QTi	2902P1-EU
	1/2" SQ	LA425	131S-EA
		231GXP	2130XP
3/4" SQ		2125QTi	2135QTi
		2135QPTi	2906P1-EU
		258	261-EU
		2141P	2141S
		2925P1Ti	
1" SQ		271-EU	
		295-EU	285A
		2190Ti	2190DTi-6
		2925P3Ti	2925B2Ti
		3940B2Ti	3942B2Ti
	1.1/2" SQ	3955B2Ti	
RATCHET WRENCHES	1/4" SQ	1103	103A
		1033A	1133
	3/8" SQ	170	
		107XP	111A-EU
		109XP	1200
1/2" SQ		1770	
		1077XP	1111A-EU
		1099XP	1210
SCREWDRIVERS	1/4" Hex.	LA413	LA412-EU
		5RANC1-EU	
		1RLQS1 / 1RPQS1	1RTQS1
GRINDERS	Die	325SC4	3108
		307A-EU	
		LA429	
		G1H350PG4M	G2X250PG4M
	Angle	G3X180PG4M	
Angle		LA421	LA422
		344 & 3445	3102
		320AG3	G2A120PP95
		G3A120PP95	
	Vertical	88V60P107M	99V60P107M
Pens		EP50-EU	
		DG600G2-EU	
SANDERS	Orbital	311A	
		4151HL	4151HL-2
		4152-HL-SR	R026B-CLV-1
	Angle	317A	
		313A	
Belt		G2L100PS10	
		G1A200PS812	
DRILLS	6 mm Cap.	1LL1	1AL1
		5ALST4-EU	
	10 mm Cap.	7802A	7802RA
		6AMST6-EU	
	13 mm Cap.	7803A	7803RA
		7ANST8-EU	
SAWS	Circular	S80-EU	
		S120-EU	
	Recipr.	SRA010A1-EU	
		4429	429
HAMMERS		116H-EU	116-EU
		121/QH-EU	121/Q-EU
		MDT3	
		W3A1-EU	
SCALERS		125-EU	
		172L-EU	
		182G-EU	182LNA1-EU
SPECIALS		325-EU	LA418A-EU
		LA415-EU	LA437-EU
		LA428-EU	

Recommended FRL	Tool side 	Hose side 	Hose type	Specific accessory	Balancer	Grease	Oil
D08-C2-FRGO-29	77NMC2 or 77NMC2 or IB6NMC2	7N7CCH10 7S7CCH10 IBN6CCH10	NP10-19-20M or CR10	SK3M10	BLD-2	105-LBK1 115-LBK1	10P or 10G
D08-C2-FRGO-29	77NMC2 or 77NMC2 or IB6NMC2	7N7CCH10 7S7CCH10 IBN6CCH10	NP10-19-20M or CR10	SK4M14 and SK4M5L	BLD-3	105-LBK1 115-LBK1	10P or 10 G 50P
D18-C3-FGGO-29	77NMC3 or IB8NMC3	7S7CCH13 IBS8CCH13	NP13-23-20M or CR12	SK6M6L		105-LBK1 115-LBK1	10P or 10G 50P
D18-C4-FGGO-29	77NMC4	7S7CCH13					
D18-C3-FGGO-29	IB8NMC3	IBS8CCH13			BIDS-7 BIDS-14	105-LBK1	10P or 10G
D18-C4-FGGO-29	77NMC4 IB8NMC4 IB11NMC4	7S7CCH13 IBN8CCH13 IBS11CCH13	NP13-23-20M or CR12	SK8M4L	BIDS-10 BIDS-7 BIDS-14	115-LBK1	50P
D28-C4-FHGO-29	IB11NMC4	IBS11CCH16	CR16		BIDS-18	115-LBK1	50P
D08-C2-FRGO-29	77NMC2	7N7CCH06	NP6-12-20M	SK2M12	BHR-8	28 1 LB	10P
D08-C2-FRGO-29	77NMC2	7N7CCH06	NP6-12-20M		BHR-8		
D08-C2-FRGO-29	77NMC2 or IB6NMC2	7N7CCH08 IBN6CCH08	NP8-15-20M	SK3M10	BHR-15	28 1 LB	10P
D08-C2-FRGO-29	77NMC2 or IB6NMC2	7N7CCH08 IBN6CCH08	NP8-15-20M	SK4M14 and SK4M5L	—	28 1 LB	10P
D08-C2-FRGO-29	77NMC2	7N7CCH10	NP10-19-20M		BLD-2		
D08-C2-FRGO-29	77NMC2	7N7CCH06	NP6-12-20M	See bits page 12	BLD-2	—	10P
D08-C2-FRGO-29	77NMC2 + 36060	7N7CCH06	NP6-12-20M		BLD-1		
D08-C2-FRGO-29	77NMC2 or IB8NMC2	7S7CCH10 IBS8CCH10	NP10-19-20M or CR10	See burrs (accessory catalogue)	—	—	10P
D18-C3-FGGO-29	77NMC3	7S7CCH13	CR13				
D18-C3-FGGO-29	77NMC2 or IB8NMC2	7S7CCH10 IBS8CCH10	CR10	ASC-1/4 (swivel inlet)	—	67-1 LB	10P
D18-C3-FGGO-29	77NMC3	7S7CCH13	CR13	AS-3/8 (sw. inlet)			
D28-C4-FHGO-29	IB11NMC4	IBS11CCH19	CR19	AS-1/2	—	—	10G or 10GW
D08-C2-FRGO-29	Delivered with tool		—	—	—	—	10P
D08-C2-FRGO-29	77NMC2	7N7CCH10	CR10	49835 (Ø6") 49099 (Ø6") 010056 (Ø3")	—	—	—
B08-C2-FRGO-29	77NMC2	7S7CCH08	CR08				
D08-C2-FRGO-29	77NMC2 or IB8NMC2	7S7CCH10 IBS8CCH10	CR10	317-825 313-825-7 77A-AM825-7	—	67-1 LB	10P or 10G
D08-C2-FRGO-29	77NMC2	7S7CCH10	CR10	ASC-1/4	—	67-1 LB	10P
D08-C2-FRGO-29	77NMC2	7S7CCH06	NP6-12-20M	CM-116688	BLD-1	28 1 LB	10P or 10G
D08-C2-FRGO-29	77NMC2 or 77NMC2	7N7CCH10 7S7CCH10	NP10-19-20M	116689	BLD-2	28 1 LB	10P or 10G
D08-C2-FRGO-29	77NMC2 77NMC2	7S7CCH10 7S7CCH08	NP10-19-20M NP8-15-20M	123194	BLD-2	28 1 LB	10P or 10G
D28-C4-FHGO-29	IB11NMC4	IBS11CCH19	CR19	—	—	105-LBK1	10P
D08-C2-FRGO-29	77NMC2	7S7CCH10	CR10	329-F500 & 329-C500	—	105-LBK1	10P
D08-C2-FRGO-29	77NMC2 or IB8NMC2	7S7CCH10 IBS8CCH10	CR10	See accessories page 27	—	115-LBK1	50P
D18-C3-FGGO-29	77NMC3 77NMC2	7S7CCH13 7S7CCH13	CR13				
D08-C2-FRGO-29	77NMC2 or IB8NMC2	7S7CCH08 IBS8CCH08	CR08	See accessories page 27	—	115-LBK1	50P
D08-C2-FRGO-29	77NMC2	7S7CCH10	CR10	See page 23		105-LBK1	10P
—	—	—	CR6	—	—	—	—

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