

ATS ELGI
Think Long Run



Air Tools

For Automotive and Industrial use

Contact : sales@orientaltools.com

► Impact Wrenches

ATS ELGI offers the widest range of impact wrenches for powerful, speedy and durable performance thereby improving productivity. Impact wrenches are the most important tools in automotive and industrial applications. They are used for the tightening or loosening of nuts and bolts of tyres, suspensions, transmissions, air-conditioners, engine repairs, body shop works, assembly lines as well as for general plant maintenance.

3/8" Impact Wrenches



SP 1826S6



SP 1135B



SP 1143S



SP 1137H



SP 7142S



SP 1138

Features	Benefits
Ergonomic design	Comfortable grip and optimal distribution of weight
Compact	Handy to operate
Built-in power regulator	Easy torque adjustment
Single forward and reverse button	Single hand push for easy operation
Positive action trigger	Precise speed control

The ATS ELGI Edge - In Black & White

Model	Square Drive	Bolt Size	Clutch Mechanism	Working Torque	Max. Torque	Net Weight	Air Inlet in - NPTF	Min. Hose Size
	inch			Nm	Nm			inch (mm)
SP 1826S6	3/8	M8	Single Dog	7-41	68	0.68	1/4	3/8 (10)
SP 1135B	3/8	M10	Single Hammer	7-100	170	1.3	1/4	3/8 (10)
SP 1143S	3/8	M14	Dyna Jaw	50-320	350	1.6	1/4	3/8 (10)
SP 1137H	3/8	M10	Single Dog	25-135	170	1.34	1/4	3/8 (10)
SP 7142S	3/8	M10	Twin Dog	50-270	310	1.4	1/4	3/8 (10)
SP 1138	3/8	M10	Single Hammer	7-70	140	1	1/4	3/8 (10)

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1/2" Impact Wrenches



SP 1143



SP 1145A



SP 1148TRH



SP 1140EX



SP 7140



JAI 6256



JAI 6202

Features	Benefits
Ergonomic design	Comfortable grip and optimal distribution of weight
Compact	Handy to operate
Built-in power regulator	Easy torque adjustment
Single forward and reverse button	Single hand push for easy operation
Positive action trigger	Precise speed control
2-piece housing	Easy and quick servicing

The ATS ELGI Edge - In Black & White

Model	Square Drive	Bolt Size	Clutch Mechanism	Working Torque	Max. Torque	Net Weight	Air Inlet in - NPTF	Min. Hose Size
	inch			Nm	Nm			inch (mm)
SP 1143	1/2	M14	Dyna Jaw	50-320	350	1.6	1/4	3/8 (10)
SP 1145A	1/2	M16	Pin Type	55-420	500	2.5	1/4	3/8 (10)
SP 1148TRH	1/2	M16	Twin Dog	55-475	550	2.5	1/4	3/8 (10)
SP 1140EX	1/2	M16	Twin Dog	50-500	550	2.4	1/4	3/8 (10)
SP 7140	1/2	M16	Twin Dog	50-450	520	2.1	1/4	3/8 (10)
JAI 6256	1/2	M16	Twin Hammer	up to 330	542	2.6	1/4	3/8 (10)
JAI 6202	1/2	M16	Pin Clutch	up to 330	516	2.6	1/4	3/8 (10)

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1" , 1 ½" Impact Wrenches



SP 1190P



SP 1191



SP 1183EJ-8*



SP 5000E



JAI 6259

Features	Benefits
Ergonomic design	Comfortable grip and optimal distribution of weight
Compact	Handy to operate
Built-in power regulator	Easy torque adjustment
Liver type reverse switch	Easy to operate
Positive action trigger	Precise speed control
3-piece housing	Enables easy and quick servicing

The ATS ELGI Edge - In Black & White

Model	Square Drive	Bolt Size	Clutch Mechanism	Working Torque	Max. Torque	Net Weight	Air Inlet in - NPTF	Min. Hose Size
	inch			Nm	Nm			inch (mm)
SP 1190P	1	M32	Single Dog	200-1350	2200	9	1/2	1/2 (13)
SP 1191	1	M25	Single Dog	280-1000	1650	5.5	3/8	1/2 (13)
SP 1183EJ-8 *	1	M32	Single Dog	300-1700	2000	13	1/2	1/2 (13)
SP 5000E	1	M50	Single Hammer	280-1900	2700	17.3	1/2	1/2 (13)
JAI 6259	1 ½	M50	Twin Hammer	up to 3380	4065	19.7	3/4	3/4 (19)

* Available 2" short anvil - Model SP 1183EJ-2 (with net weight of 11.3 Kg)

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3/4" Impact Wrenches



SP 1158



JAI 6211

Features	Benefits
Ergonomic design	Comfortable grip and optimal distribution of weight
Compact	Handy to operate
Built-in power regulator	Easy torque adjustment
Liver type reverse switch	Easy to operate
Positive action trigger	Precise speed control
3-piece housing	Enables easy and quick servicing

The ATS ELGI Edge - In Black & White

Model	Square Drive	Bolt Size	Clutch Mechanism	Working Torque	Max. Torque	Net Weight	Air Inlet in - NPTF	Min. Hose Size
	inch			Nm	Nm			inch (mm)
SP 1158	3/4	M25	Single Dog	270-900	1500	5.5	3/8	1/2 (13)
JAI 6211	3/4	M25	Twin Hammer	up to 670	1016	4.6	1/4	3/8 (10)

► Impact Drivers

ATS ELGI impact drivers are ideal for assembly lines, furniture, wood working and for motor vehicles that use variable density materials where torque accuracy is not critical



SP 1826H



SP 8102B
Heavy Duty

Features	Benefits
Double-hammer impact mechanism	Light torque and continuous operation
Positive ball locking	Convenient 1/4 hex quick change chuck
Positive action trigger	Speed control
Single reverse button	Easy reverse action
Compact, light weight (0.6 kg) positive ball locking	Easy to operate
Built-in power regulator	Easy torque adjustment

The ATS ELGI Edge - In Black & White

Model	Hex Drive	Working Torque	Max. Torque	Free Speed	Net Weight	Air Inlet in - NPTF	Min. Hose Size
	inch (mm)			rpm			inch (mm)
SP 1826H	1/4 (6)	7-41	68	11500	0.62	1/4	3/8 (10)
SP 8102B	1/4 (6)	7-100	140	11500	1.0	1/4	3/8 (10)

► Ratchet Wrenches

ATS ELGI ratchet wrenches are ideal for accessing confined areas such as radiators, air-conditioners, spark plugs, engines and carburettors. It ensures fast run-down of fasteners.

3/8" , 1/2" Ratchets



SP 1133SX



SP 1133SX-2



SP 1175B*



SP 1176B*



SP 7776
Flat Ratchet



SP 7777
Flat Ratchet

Features	Benefits
Light weight and ergonomic design	Optimal distribution of weight and comfortable grip
Compact	Handy to operate
Ball type retainer	Positive socket retention
Reaction-less impact mechanism	Torque application without twisting the wrist
3-planetary gears	Powerful operation

The ATS ELGI Edge - In Black & White

Model	Square Drive	Bolt Size	Free Speed	Working Torque	Manual Max. Torque	Net Weight	Air Inlet in - NPTF	Min. Hose Size
	inch		rpm	Nm	Nm	Kg		inch (mm)
SP 1133SX	3/8	M10	160	13-70	160	1.2	1/4	3/8(10)
SP 1133SX-2	1/2	M10	160	13-70	160	1.2	1/4	3/8(10)
SP 1175B*	3/8	M10	250	13-95	170	1.4	1/4	3/8(10)
SP 1176B*	1/2	M12	250	13-95	170	1.4	1/4	3/8(10)
SP 7776	3/8	M12	180	13-122	122	1.5	1/4	3/8(10)
SP 7777	1/2	M12	180	13-122	122	1.6	1/4	3/8(10)

► Screw Drivers

ATS ELGI offers a wide range of screw drivers with variable speed and torque control to meet every screw - fastening in assembly line work in electronics and white good industries.



JAD 0401



JAD 0402



SP 1800



SP 1800A



SP 1810



SP 1810A



SP 1812

Features	Benefits
Light and compact	Handy to operate
Single hand reverse button	Easy for operation
Adjustable clutch units	Controlled torque
Air strainer	Reduced exhaust noise
Lever throttle	Speed control
Suspension bail	Easy assembly work

The ATS ELGI Edge - In Black & White

Model	Working Torque	Chuck Hex Size	Screw Capacity	Handle	Free Speed	Net Weight	Air Inlet in - NPTF	Min. Hose Size	Torque Control
	Nm	inch (mm)	mm		rpm	Kg		inch (mm)	
JAD 0401	1.12-3.38	1/4(6.35)	M4	Straight	1500	0.65	1/4	1/4"	Internal
JAD 0402	2.25-5.08	1/4(6.35)	M5	Straight	1800	0.65	1/4	1/4"	Internal
SP 1800	5-15	1/4(6.35)	M6	Straight	1800	1.0	1/4	3/8(10)	Internal
SP 1800A	5-13.6	1/4(6.35)	M6	Straight	1800	1.25	1/4	3/8(10)	External
SP 1810	5-34	1/4(6.35)	M6	Pistol	2200	1.1	1/4	3/8(10)	Internal
SP 1810A	11-17	1/4(6.35)	M6	Pistol	2200	1.1	1/4	3/8(10)	External
SP 1812	5-29	1/4(6.35)	M6	Pistol	800	1.3	1/4	3/8(10)	External

► Drills

ATS ELGI offers a wide range of drills with high power to weight ratio. They are ideal for general drilling, hole sawing and other general purpose applications.

3/8" , 1/2" Drills



SP 1511



SP 1522
(with silencer)



SP 1525



SP 1510AH



SP 1527



JAD 6243BQ
(Key less chuck type)



JAD 1015*
Spot Weld Drill



SP 1523D
Tyre Buffer

Features	Benefits
Light and compact	Handy to operate
Positive action trigger	Speed control
Variable speed throttle	Ease of starting hole
Jacobs chuck & key as standard equipment	Foolproof gripping of drill bit
Silencer	Reduces noise level

The ATS ELGI Edge - In Black & White

Model	Chuck Size	Free Speed rpm	Motor HP	Net Weight Kg	Air Inlet in - NPTF	Min. Hose Size	Rotation	Silencer
	inch (mm)					inch (mm)		
SP 1511	3/8 (10)	2500	0.25	0.74	1/4	3/8(10)	One way	-
SP 1522	3/8(10)	2500	0.5	0.96	1/4	3/8(10)	One way	Yes
SP 1525	3/8 (10)	2200	0.5	1.23	1/4	3/8(10)	Two way	-
SP 1510AH	3/8(10)	1800	0.5	1.19	1/4	3/8(10)	Two way	-
SP 1527	1/2(13)	500	0.5	0.7	1/4	3/8(10)	Two way	-
JAD 6243BQ	1/2(13)	800	0.5	1.82	1/4	3/8(10)	One way	-
JAD 1015*	5/16 (8)	1800	0.5	2.1	1/4	3/8(10)	One way	-
SP 1523D	3/8(10)	3600	0.5	0.72	1/4	3/8(10)	One way	-

* with Acc.kit also available - use model JAD 1015K, which contains 1 pc of mini oiler, 1 pc swivel connector, 4 pcs of extra 8mm and 6.5mm drill bits, 1pc of 2.5mm L type Hex wrench and 1pc blow case

► Die Grinders

ATS ELGI die grinders, ruggedly designed and lightweight are ideal for rapid metal removal or precise finishing such as weld cleaning, deburring, die contouring and repair, blending and smoothing.



SP 1200



SP 1523



SP 5201S



SP 1220S



SP 7202



JAG 0976 RM
(7" Extension Type)



JAG 0707
(Pencil / Micro Type)



EGS-35

Features	Benefits
Rear exhaust air flow system	Controlled air exhaust
Lever throttle	Feathering control
Light, slim and compact	Handy for operation
Positive grip	Greater operator comfort
High power motor	High speed under load
Steel motor housing	Rugged use
Built-in power regulator	Easy torque adjustment

The ATS ELGI Edge - In Black & White

Model	Collet Size	Motor	Free Speed	Net Weight	Air Inlet in - NPTF	Min. Hose Size
	mm	HP	rpm	Kg		inch (mm)
SP 1200	6	0.25	28000	0.30	1/4	3/8(10)
SP 1523	6	0.5	3600	0.72	1/4	3/8(10)
SP 5201S	6	0.25	21000	0.52	1/4	3/8(10)
SP 1220S	6	0.5	21000	0.64	1/4	3/8(10)
SP 7202	6	0.5	20000	0.56	1/4	3/8(10)
JAG 0976 RM	6	0.6	22000	1.3	1/4	3/8(10)
JAG 0707	3, 1/8", 3/32"	-	60000	0.13	1/4	6.35mm
EGS-35	6	0.4	35000	0.45	1/4	3/8(10)

Specific "rpm" requirement also available.

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► Disc Grinders

Ideal for cleaning, casting items in foundries, smoothening welds and for use in fabrication shops.



SP 1254



SP 1261L



EGS-6-60
Heavy Duty



EGA-6-60*
Heavy Duty

Features	Benefits
Safety disc cover	Heavy duty operation
Safety throttle lever	Prevents accidental start-ups
Lever throttle	Feathering control
Dead handle mounts on either side	Right or left hand operation
Hardened round spiral bevel gears	Low vibration
Safety governor mechanism	Prevents excessive RPM

The ATSG ELGI Edge - In Black & White

Model	Disc Capacity	Motor	Free Speed	Net Weight	Air Inlet in - NPTF
	inch (mm)	HP	rpm	Kg	
SP 1254	4 (100)	0.8	12000	1.7	1/4
SP 1261L	7 (180)	1.25	7500	3.5	3/8
EGS-6-60	150 x 25mm	2	6000	5.2	RC 1/2
EGA-6-60*	150 Resinoid Cup	3	6000	5.4	RC 1/2

* 230mm DCD Wheel also available

► Sanders & Polishers / Buffers

ATS ELGI offers a variety of air sanders including orbital, straight line, angle and vertical sanders as well as polishers / buffers with variable speed control and lever throttle. It provides a complete solution for finishing applications. Orbital sanders are used for swirl-free quality finishing prior to painting, while the polishers are used for after painting to improve finishes.

Sanders



SP 1350



SP 1245



SP 1230



SP 1370



SP 1380



SP 1780S

Mini Sanders



SP 1331L
Polisher / Sander
Low Speed / High Torque



SP 1340DA
Double Action



SP 1330H
Single Action

The ATS ELGI Edge - In Black & White

Model	Variable Speed	Pad or Disc Dia	Net Weight	Air Inlet in - NPTF	Min. Hose size
	rpm	inch (mm)	Kg		inch (mm)
SP 1350	up to 15000	5 (125)	0.95	1/4	3/8(10)
SP 1245	up to 5400	7 (180)	2.4	1/4	3/8(10)
SP 1230	up to 5400	7 (180)	2.1	1/4	3/8(10)
SP 1370	16000	10 x 330 mm	0.8	1/4	3/8(10)
SP 1380	17000	20 x 520 mm	1.40	1/4	3/8(10)
SP 1780S	20000 Ocln.	-	0.85	1/4	3/8(10)
SP 1331L	up to 3000	70mm	0.7	1/4	3/8(10)
SP 1340DA	up to 12000	70mm	0.67	1/4	3/8(10)
SP 1330H	up to 12000	50mm	0.67	1/4	3/8(10)

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Double Action Sanders



SP 3606DF-A5
(Dust Free)



SP 3606-A5



SP 3605-A5



SP 3906DF-A5
(Dust Free)

Orbital Sanders



SP 3900DF-A3
(Dust Free)



SP 3800-A5

Polishers



SP 1240



SP 1247



SP 1261GS

Features	Benefits
Self dust extraction system	Clean operation, dust-free
Built-in power regulator	Added power control
Balanced ball bearing construction	Vibration-free performance
Low-balanced	Smooth handling
Compact head design	Comfortable hold and easy use

The ATS ELGI Edge - In Black & White

Model	Free Speed	Orbit Dia	Pad or Disc Dia	Net Weight	Air Inlet in - NPTF	Paper Adhesion
	rpm	mm	inch (mm)	Kg		
SP 3606DF-A5	10000	5	6 (150)	1.26	1/4	Glue on /Velcro
SP 3606-A5	10000	5	6 (150)	1.26	1/4	Glow on/ Velcro
SP 3605-A5	10000	5	5 (125)	1.26	1/4	Glow on/ Velcro
SP 3906DF-A5	11000	5	6(150)	0.96	1/4	Glow on/ Velcro
SP 3900 DF-A3	9500	3	75x110 mm	0.86	1/4	Glow on/ Velcro
SP 3800-A5	7000	5	100x180 mm	1.57	1/4	-
SP 1240	2500	-	8 (205)	2.1	1/4	-
SP 1247	3800	-	8 (205)	2.4	1/4	-
SP 1261GS	7500	-	-	3.8	1/4	Wire brush

* Available with standard spoxy fibre glass glue on sanding pad, spanner wrench, dust bag and dust hose (for DF Sanders)

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►► Special Tools

ATS ELGI offers a wide range of special tools for various tough applications like cutting, riveting, filling, scrapping, chipping etc.



SP 1410
Air Hammer



SP 1720
Air Saw



SP 1730
Air Saw / File



SP 1710S
Shear



SP 1470 / SP 1470FC
Needle Scaler / Flux Chipper



IAH 0111
H / D Flux Chipper



JAH 7106H
H / D Chipping Hammer



JAT 6441
Air Knife



JAT 0103
Air - Hyd. Blind Riveter

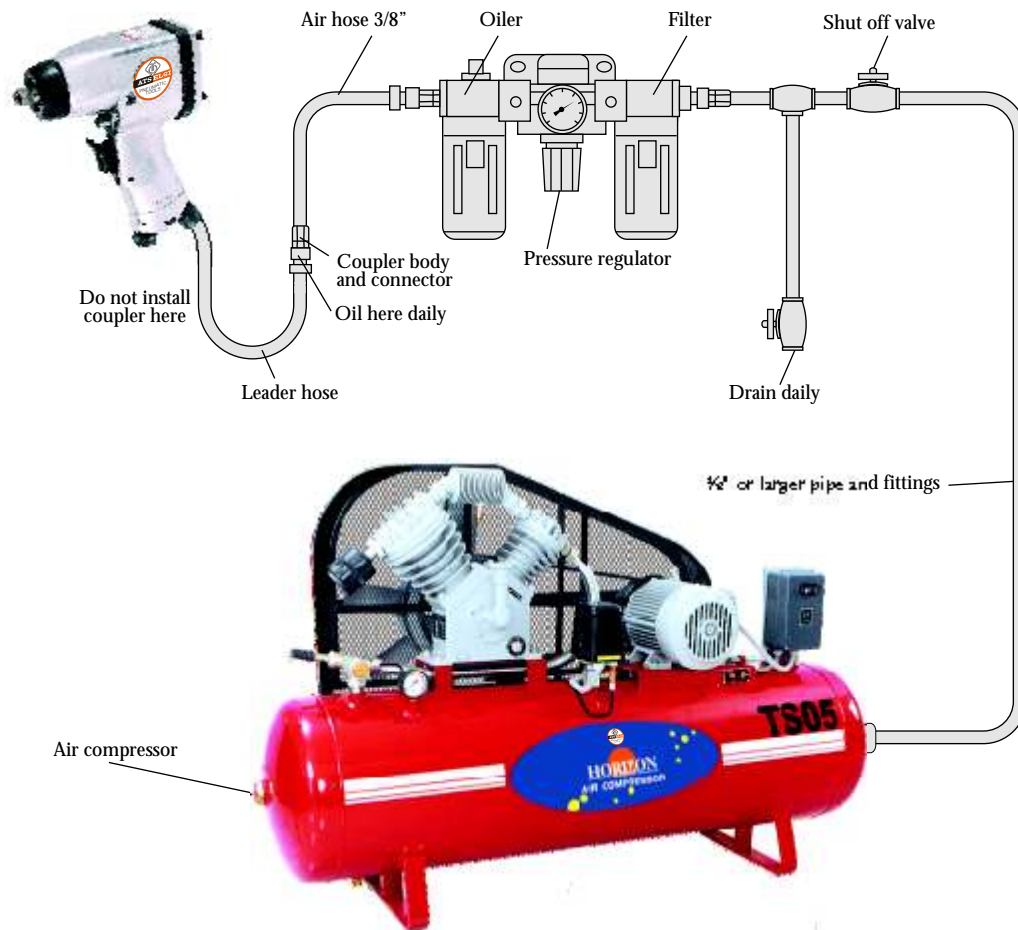
The ATS ELGI Edge - In Black & White

Model	Shank Size	Blows/min	Net Weight	Air Inlet in - NPTF	Min. Hose size
	inch (mm)		Kg		inch (mm)
SP 1410	0.401(10.2)	3800	1.65	1/4	3/8(10)
	Cutting Capacity	Strokes/min	Net Weight	Air Inlet in - NPTF	Min. Hose size
	mm (in steel)		Kg		inch (mm)
SP 1720	1.6	10000	0.5	1/4	3/8(10)
SP 1730	1.6	5000	0.88	1/4	3/8(10)
SP 1710s	1.2	2500	1.23	1/4	3/8(10)
	Piston Dia	Blows/min	Net Weight	Air inlet in - NPTF	Piston Stroke
	mm		Kg		mm
SP 1470/ 1470FC	25	4000	1.7	1/4	22
IAH 0111	23.5 x 20 x 73	3000	2.6	1/4	-
JAH 7106H	28.6	1920	6.5	3/8	76
JAT 6441	-	0-22000 Oscln.	1.2	1/4	-
	Air-Hyd.POP Riveter	Traction Power @90psi	Net Weight	Air inlet in - NPTF	Stroke Length
		kgf.	Kg		mm
	JAT 0103	900	1.89		18

* We can also supply any specific requirement of pneumatic tools ranges. (eg. Pulse Tools, Open-End Wrenches, Sand Rammers etc...)

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► Air Hose and Coupling Assembly



Why Air Tools?

● Power

Air impact wrenches can produce over 1,000 ft-lbs of torque. Grinders can spin at 60,000 rpm. Cut off tools can cut through bar stock steel like butter. However, its electric counterparts cannot produce this type of power.

● Durability

Air tools do not burn up or overload when put under excessive load. If an air tool stalls due to binding, the motor simply does not spin, windings do not become hot and parts do not melt.

● Flexibility

Air tools run on stored energy generated by a compressor. With an engine driven compressor or a carry tank, air tools can go anywhere. Electric tools can operate only near power outlets.

● Lightweight

The average air tool weighs 20% less than its electric equivalent. Electric windings, rotors and stators outweigh a simple air cylinder and rotor by considerable amount. The weight of an electric tool becomes noticeable only after holding it for a short time.

● Low cost operation and maintenance

Simply put, fewer parts means less maintenance. Add a filter and lubricator in your air line and you will have tools that last twice as long as the electric equivalent.

● Variety

Ratchets, impact wrenches, chisels and nailers are common air tools that rarely have electrical equivalents. This is because air is an efficient way to transfer energy. It takes four times as long to remove a lug nut with an electric impact wrench than with an air impact wrench.

►► World Class Tools from ATS ELGI

- All these tools are strictly in conformance with CE regulations and satisfy the requirements of EC Machine Directive (89/392EEC/91/368/EEC).
- Measurements are according to ISO-2787, noise levels according to CEN-TC 225 and vibration levels as per ISO-8662.

Accessories & Other Equipments

- ATS ELGI offers a complete range of 1st quality upstream as well as down stream accessories to ensure optimum utilization of tools.
- Air line accessories include ball valves, coiled hoses, leader hoses, hose reels, QRC & connectors, spring balancers, suspension bails, FRL's.
- Accessories include impact sockets, adapters, universal joints, extension bars, philips, slotted, allen bits as well as any special bits.
- ATS ELGI also offers a complete package requirement which includes Reciprocating / Screw Compressors and all types of garage equipment.
(For more details, please ask for an individual leaflet)



Operation and Maintenance

ATS ELGI air tools are built to withstand severe daily usage, but like all other mechanical devices, they will eventually need maintenance. Proper installation, reasonable care and regularly scheduled preventive maintenance can ensure more than double productive tool life.

Lubrication

Correct lubrication is the most important requirement in preventive maintenance. The majority of tool failures can be traced to inadequate lubrication. Tools should be oiled daily through the air inlet for multi-vance air motors and air hammers or through air-line filters and lubricators installed at air tool locations.

Air Supply

Optimum air tool performance is based upon a clean, dry air supply that delivers 6.33 kgf/cm² (90 psi) of air pressure at the tool, while it is running. A line filter will effectively eliminate moisture and dirt particles from the air. However, ample air compressor capacity and full size air supply line are necessary to get the ultimate in performance from air tools. Using proper hose and fittings is essential for top performance of air tools.

Maintenance

It is very important to conduct regular maintenance checks on tools at intervals of 30 to 90 days to ensure highest performance and to prevent unnecessary damage.



ATS ELGI
Think Long Run

►► ATS ELGI Training Center



ATS ELGI training centers are dedicated to help automotive service stations and OEMs train their technicians in handling and maintaining their garage equipment. The unique aspect of this program is that training is provided not just for handling ATS ELGI Automotive Equipment alone, but also in working on all types and brands of garage equipment.

The objectives of these training courses are to

- Impart training on all diagnostic equipment under one roof
- Educate trainees on basic and related theories
- Impart knowledge on various diagnostic techniques
- Impart skills on interpreting the diagnosis
- Impart tips on the causes of failure and their remedies
- Educate trainees on basic maintenance practices of equipment

The Long Run benefits only with ATS ELGI

Over 45 years of experience and continuous innovations, make the ATS ELGI's pneumatic tools such a brilliant solution for you. There are a million ATS ELGI machines powering businesses in 63 countries worldwide. They are exceptionally dependable and engineered for global practices like Six Sigma, TPM, TQM and Quality Circles. The invaluable edge of prompt service are the innumerable product advantages. A vast dealer network spanning India and the world ensure availability and service. The fact is those who think long run, insist on ATS ELGI.

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(A wholly owned subsidiary of Elgi Equipments Ltd.,)

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