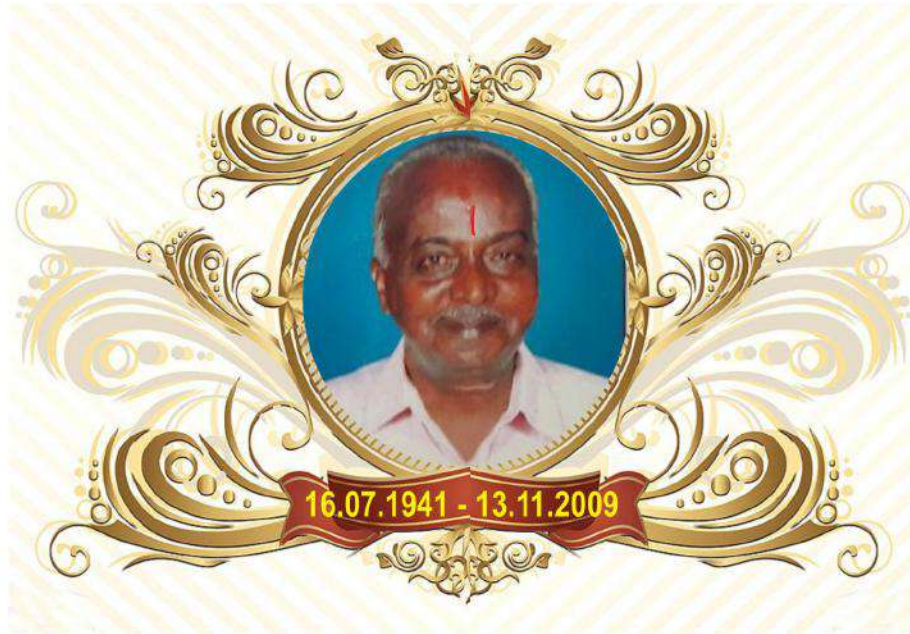




HI-TECH TOOLS SALES & SERVICE

Pneumatic Tools





Thiru. M. KUPPUSWAMY, D.E.E., Avl.,
Founder
SRI VENKATESWARA ENGINEERING ENTERPRISES

Thiru M. Kuppuswamy was the founder of Sri Venkateshwara Engineering Enterprises, started his life from poor family and studied until Diploma in Electrical Engineering under lot of struggle. He worked in India Piston for the past 47 years and a success story made from dedication and hard work, started a small company in the year 2002 with the retirement amount from Private Company in Chennai.

Company evolved with times from Manual / Hydraulic to CNC operations in 2008 under his guidance and leadership. After his Demise in the year 2009, Mr. K. Umashankar took over the company responsibility and continued for future growth. Here is our new venture.

“HI-TECH TOOLS SALES & SERVICE”

KILEWS ELECTRICAL SCREW DRIVERS



KILEWS ELECTRICAL SCREWDRIVERS ISO-9002 CERTIFIED

AC ELECTRIC SCREWDRIVER WITH DIRECT POWER SUPPLY

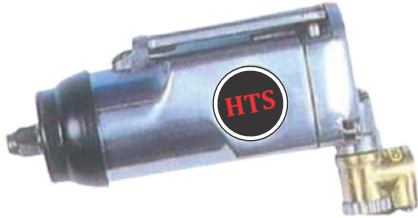
MODEL NO.	TYPE OF SCREWDRIVER	TORQUE (KG/CM)	RPM	WEIGHT (GM)
SK-2225 LS	Semi Automatic Trigger Start	5~25	1000	600
SK-8230 P	Fully Automatic Push Start	5~22	1000	700
SK-8250 P	Fully Automatic Push Start	15~45	500	700

FEATURES

- ❑ Easy to operate by AC power supply, adaptor needless.
- ❑ Double insulation in full compliance with International Safety Standard, 100% reliability.
- ❑ Compact, light-weight, easy operation and appearance designed in compliance with ergonomics principles.
- ❑ High tech DC motor with super power magnet adopted from U.S. and Japan, Quick start, low current, fan and vent set expedite hot air emission during long-term usage.
- ❑ Accurate, adjustable and stable torque : stepless, speedy, compact and easy to operate, improve production efficiency.
- ❑ Appeal to all kinds of screws and nuts. Clutch automatically disengages and nut stops upon screws being fastened to reduce the wear on bit.

HTS-401

3/8" BUTTERFLY IMPACT WRENCH



Free Speed	10,000 RPM
Bolt Capacity	3/8"
Square Drive	3/8"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	3 CFM
Max. Torque	75 Ft./Lbs.
Weight	1.0 Kg.

HTS-41-4012P

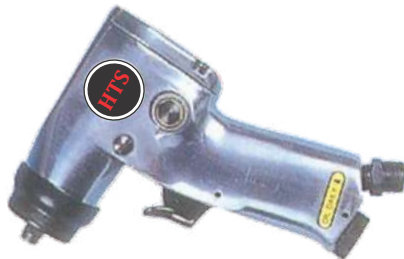
3/8" MINI IMPACT WRENCH



Free Speed	11,000 RPM
Anvil Size	3/8"
Length	6"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	4 CFM
Max. Torque	430 Ft./Lbs.
Weight	1.2 Kgs.

HTS-0775

3/8" IMPACT WRENCH



Free Speed	10,000 RPM
Bolt Capacity	3/8"
Square Drive	3/8"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	3 CFM
Max. Torque	75 Ft./Lbs.
Weight	1.1 Kgs.

HTS-0714T

1/2" HEAVY DUTY IMPACT WRENCH



Free Speed	7,000 RPM
Anvil Size	1/2"
Bolt Capacity	3/4"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	4 CFM
Max. Torque	450 Ft./Lbs.
Weight	2.60 Kgs.

HTS-43-4012P

1/2" MINI IMPACT WRENCH



Free Speed	11,000 RPM
Anvil Size	1/2"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	4 CFM
Max. Torque	300 Ft./Lbs.
Working Torque	25-250 Ft./Lbs.
Weight	1.2 Kgs.

HTS-0754

3/4" SUPER DUTY IMPACT WRENCH



Free Speed	6,600 RPM
Anvil Size	3/4"
Bolt Capacity	1"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	7 CFM
Max. Torque	750 Ft./Lbs.
Weight	4.35 Kgs.

HTS-47-4072L8

1" HEAVY DUTY IMPACT WRENCH



Free Speed	5,000 RPM
Anvil Size	1"
Hose Size	1/2"
Air Inlet	1/2"
Air Consumption	10 CFM
Max. Torque	2300 Ft./Lbs.
Length	22-1/2"
Weight	11 Kgs.

HTS-5085P

1" HEAVY DUTY IMPACT WRENCH



Free Speed	3,500 RPM
Square Drive	1"
Capacity Bolt Size	1-5/8"
Air Inlet	1/2"
Air Consumption	11 CFM
Max. Torque	1800 Ft./Lbs.
Length	11-7/8"
Weight	8.95 Kgs.

HTS-501 AUTO SHUT-OFF (SEMI-AUTOMATIC CLUTCH TYPE)



Free Speed	1000 RPM
Air Inlet	1/4"
Air Pressure	90 P.S.I.
Air Consumption	0.20 CFM
Max. Torque	0.2 - 2 NM
Weight	0.70 Kgs.

HTS-55PB AUTO SHUT-OFF SCREW DRIVER

Free Speed	1000 RPM
Air Inlet	1/4"
Air Consumption	0.55
Torque Range	.7 - 6.5 NM
Length	215 MM
Weight	770 g.



HTS-60PB AUTO SHUT-OFF SCREW DRIVER



Free Speed	550 RPM
Air Inlet	1/4"
Air Consumption	0.55
Torque Range	1.5 - 9.5 NM
Length	215 MM
Weight	770 g.

HTS-842 AIR SCREW DRIVER

Free Speed	1,800 RPM
Air Inlet	1/4"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Max. Torque	4.5 - 11.5 NM
Weight	1.1 Kgs.



HTS-802 AIR SCREW DRIVER



Free Speed	1,800 RPM
Air Inlet	1/4"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Max. Torque	4.5 - 11.5 NM
Weight	1.1 Kgs.

HTS-610

10 MM BELT SANDER



Free Speed	16,000 RPM
Belt Size	10 MM x 330 MM
Noise Level	82
Horse Power	0.45
Air Pressure	85 P.S.I.
Air Consumption	18.4 CFM
Length	18 - 1/2"
Weight	1.4 Kgs.

HTS-620

20 MM BELT SANDER

Free Speed	16,000 RPM
Belt Size	20 MM x 520 MM
Noise Level	82
Horse Power	0.45
Air Pressure	85 P.S.I.
Air Consumption	18.4 CFM
Length	18 - 1/2"
Weight	1.4 Kgs.



HTS-660

5" HIGH SPEED SANDER



Free Speed	14,000 RPM
Pad Size	3", 4 1/2", 5 1/2"
Air Inlet	1/4"
Hose Size	3/8"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	8"
Weight	1.1 Kgs.

HTS-65-5137

5" RANDOM ORBITAL PALM SANDER

Free Speed	12,000 RPM
Orbit Diameter	3/16"
Pad Size	5"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	2 CFM
Length	5-3/4"
Weight	0.6 Kgs.



HTS-6004

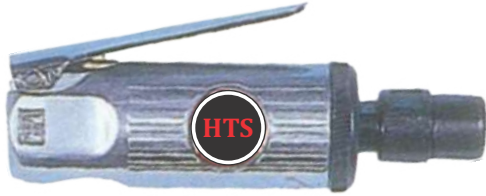
MINI POLISHER



Free Speed	3,200 RPM
Pad Size	3"
Spindle Thread	1/4" - 20"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	3.2 CFM
Length	4 1/2"
Weight	0.8 Kgs.

HTS-552

1/4" MINI DIE GRINDER



Free Speed	25,000 RPM
Collet Size	1/4" (6 mm)
Air Inlet	1/4"
Hose Size	3/8"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	4 - 3/4"
Weight	0.450 Kgs.

HTS-35

1/4" HEAVY DUTY DIE GRINDER

Free Speed	32,000 RPM
Collet Size	1/4" (6 mm)
Air Inlet	1/4"
Hose Size	3/8"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	7"
Weight	0.70 Kgs.



HTS-317

1/4" AIR DIE GRINDER



Free Speed	22,000 RPM
Collet Size	1/4" (6 mm)
Air Inlet	1/4"
Hose Size	9.5 mm
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	175 mm
Weight	0.600 Kgs.

HTS-522

1/4" ANGLE DIE GRINDER

Free Speed	22,000 RPM
Collet Size	1/4" (6 mm)
Air Inlet	1/4"
Hose Size	3/8"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	6 - 1/3"
Weight	0.450 Kgs.



HTS-8882

1/4" HEAVY DUTY DIE GRINDER



Free Speed	18,000 / 21,000 RPM
Collet Size	1/4" (6 mm)
Wheel Capacity	40 x 20 mm
Air Inlet	3/8"
Hose Size	1/2"
Operating Pressure	90 P.S.I.
Length	317 mm
Weight	1.8 Kg.

HTS-516

MICRO DIE GRINDER

Free Speed	56,000 RPM
Collet Size	1/8" (3 mm)
Air Inlet	1/4"
Hose Size	5 mm
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	5 - 1/4"
Weight	0.150 Kgs.



HTS-517

HEAVY DUTY MICRO AIR GRINDER

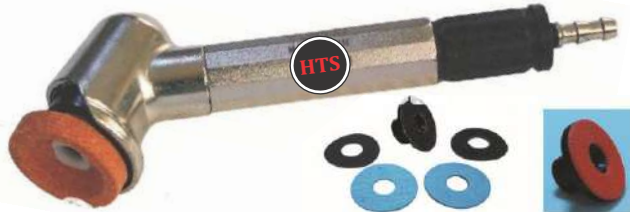


Free Speed	70,000 RPM
Chuck Size	3 mm
Air Inlet	1/4"
Hose Size	6.35 mm
Air Pressure	90 P.S.I.
Air Consumption	3 CFM
Length	5.12"
Weight	0.25 Kgs.

HTS-572

MICRO ANGLE DIE GRINDER

Free Speed	22,000 RPM
Collet Size	-
Air Inlet	1/4"
Hose Size	5 mm
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	6 - 1/4"
Weight	0.250 Kgs.



HTS-619

4" ANGLE GRINDER



Free Speed	12,000 RPM
Disc Size	4"
Air Inlet	1/4"
Hose Size	10 MM
Air Pressure	90 P.S.I.
Air Consumption	6 CFM
Length	9"
Weight	1.8 Kgs.

HTS-619R

4" ANGLE GRINDER (ROLL TYPE)

Free Speed	13,500
Disc Size	4"
Spindle Size	8x1.25
Air Inlet	1/4"
Air Hose	3/8"
Air Consumption	5.6 CFM
Length	8.51"
Weight	1.6 Kgs.



HTS-30

3/8" RATCHET WRENCH



Free Speed	150 RPM
Torque	50 Ft./Lbs.
Square Drive	3/8"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	4 CFM
Length	10"
Weight	1.1 Kgs.

HTS-31

1/2" RATCHET WRENCH

Free Speed	150 RPM
Torque	50 Ft./Lbs.
Square Drive	1/2"
Air Inlet	1/4"
Hose Size	3/8"
Air Consumption	4 CFM
Length	10"
Weight	1.1 Kgs.



HTS-6015

AIR RIVETER



Rivet Set.Capacity	3/16", 5/32", 1/8", 3/32"
Transaction Power	1586 Lbs./720 Kgs.
Stoke Length	9/16"
Air Inlet	1/4"
Air Hose Size	3/8"
Weight	1.5 Kgs.

HTS-0814

HEAVY DUTY AIR RIVETER

Rivet Setting Capacity	1/4"
Transaction Power	3055 Lbs.
Stoke Length	5/8"
Air Inlet	1/4"
Air Hose Size	3/8"
Length	12-5/8"
Weight	2.0 Kgs.



HTS-HTM-1

ENGRAVING PEN / MARKING PEN



Blow per Minute	32,000
Overall	160 MM
Length Weight	0.15 Kg.
Grip Size	17 MM
Air Inlet	1/4"
Air Pressure	6

HTS-710

3/8" AIR DRILL

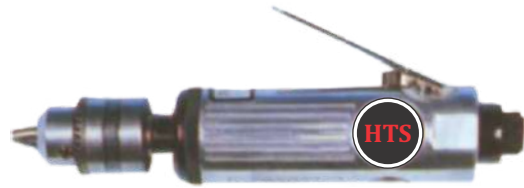


Free Speed	2,600 RPM
Chuck Size	3/8"
Air Inlet	1/4"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	8 - 1/2"
Weight	0.900 Kgs.

HTS-502

3/8" HIGH SPEED DRILL

Free Speed	22,000 RPM
Chuck Size	3/8"
Air Inlet	1/4"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	7 - 1/3"
Weight	1 - 1/2 Lbs.



HTS-7951

3/8" REVERSIBLE AIR DRILL



Free Speed	1,800 RPM
Chuck Size	3/8"
Air Inlet	1/4"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	7 - 1/4"
Weight	1.2 Kgs.

HTS-7941

1/2" REVERSIBLE AIR DRILL

Free Speed	800 RPM
Chuck Size	1/2"
Air Inlet	1/4"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	8 - 12"
Weight	1.50 Kgs.



HTS-7091R

3/8" REVERSIBLE ANGLE DRILL



Free Speed	1,200 RPM
Chuck Size	3/8"
Air Inlet	1/4"
Air Pressure	90 P.S.I.
Air Consumption	4 CFM
Length	8"
Weight	1.1 Kgs.

C25

DRILLING MACHINE



Speed	3000 RPM
Chuck Size	3/8"
Air Inlet	1/4"
Air Pressure	90 PSI
Air Consumption	4 CFM
Hose Size	3/8"
Weight	1.2 Kgs.

HTS-402-190

AIR HAMMER

Blows Per Min.	3,200 RPM
Bore Diameter	3/4" (19 mm)
Air Inlet	1/4"
Hose Size	3/8" (9.5 mm)
Air Pressure	90 P.S.I.
Air Consumption	7.4 CFM
Length	180 MM
Weight	1.6 Kgs.



HTS-517

AIR NEEDLE SCALAR & FLUX CHIPPER



Stroke Speed	4,400 BPM
Hose Size	8 mm
Air Inlet	1/4"
Hose Size	8 mm
Air Pressure	90 P.S.I.
Air Consumption	0.45 M3/MIN.
Length	460 mm
Weight	3.03 Kgs.

HTS-0304HK

LONG AIR HAMMER KIT

Bore Size	3/4"
Blows Per Minute	2,000
Air Inlet	1/4"
Hose Size	3/8"
Air Pressure	90 P.S.I.
Air Consumption	8.5 CFM
Length	7"
Weight	1 Kgs.



HTS-0828

AIR BODY SAW & FILE



Cutting Capacity Steel	2 mm
Aluminium	3 mm
Stroke Length	3/8"
Stroke Per Minute	5000 BPM
Air Consumption	230/min.
Weight	0.850 Kgs.

PU Role - PU Coil Hose - Hydraulic Hose - Rubber Hose - Braided Hose



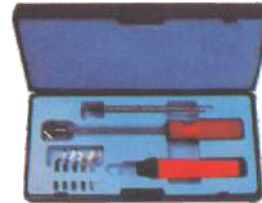
Deburring Blades

Unless specified the Blades are made of HSS-M2 Grade material.

BLADES TYPE	SIZE	APPLICATIONS	PACK QUANTITY
P-1	2.6 mm Ø	Universal Blade. For light duty & small components deburring of Steel, Aluminium, Copper, Zinc, Plastics, etc.	10
P-2	2.6 mm Ø	For small components of C.I. & Brass	10
P-3	2.6 mm Ø	For both sides of sheet metal holes upto 6 mm thickness.	10
C-10	3.17 mm Ø	Universal Blade. For materials having spiral chips such as Steel, Aluminium, Copper, Zinc, Plastics, etc.	10
C-20	3.17 mm Ø	For materials having brittle burr such as C.I. & Brass.	10
C-30	3.17 mm Ø	For simultaneous deburring of inner & outer edges of sheet metal holes up to 10 mm thickness.	10
C-15	3.17 mm Ø	For stainless steel & hard plastic.	10
C-101	3.17 mm Ø	For small holes from 1.5 mm in Steel & Aluminium.	10
Coated Blades	2.6 mm Ø & 3.17 mm Ø	Titanium Nitride (TiN) coating on P1, P2, C10 & C20 Blades for hard metal & longer life application.	10
HSS M35 grade Blades		C-100 = C-10 Blade in HSS M35 Grade C-150 = C-15 Blade in HSS M35 Grade	10
R-10	6.00 mm Ø	Universal Blade for Extra Heavy duty deburring application. For materials having spiral Chips such as Steel, Aluminium, Copper, Zinc, etc.	5
R-15	6.00 mm Ø	For Stainless steel application	5

DTK-1

Includes :
Handle D, Five Blades C-10, C-20, C-30, C-10 (Coated) and C-15, Scraper SCR-3, Countersink tool CS-20 and CSH handle.



DTK-2

Includes:
Handle T, Telescopic holder DT(C), Five Blades C-10, C-20, C-30, C-15 and C-10 (Coated), Countersink Tool CS-20 & CSH-R handle



DTK-5

Includes :
T & DT Handles, DT(P), VT & KW Holders, Scraper SCR-8, CSS Countersink Tool with Ratchet Handle, Deburring Blades - P-1 & P-2 (2 each), C-10 (5 pcs), C-20, C-30, C-15 and C-10 (Coated) & C-101 (1 each), Key-way / Slot Deburring Blades KW-9 & KW-16, Sheet/Rib Deburring Blade V-4.

**For Fast, Efficient & Economical Deburring
'The Cutting Edge for a Perfect Finish'**





- AIR EMULSION SPRAY GUNS are available in 350 mm & 450 mm length.
- AIR EMULSION SPRAY GUN server dual purpose.
 - a. Half Press of Handle will give only AIR.
 - b. Full press of handle will give very efficient air emulsion mist to lubricate even the inaccessible portion of the intricate die resulting into very fine & shining surface of the component.
- Air Emulsion mist can be regulated by the turn of adjusting screw for excellent performance depending upon the specify gravity of the emulsion and air pressure to minimise the consumption of emulsion.

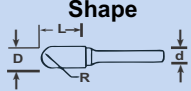









SHIBALLOYTM

Tool Makers To The Nation

ISO 9001: 2000








TUNGSTEN CARBIDE ROTARY BURRS

Shape Code	Shape 	Types of Cuts			Dimension (mm)			
		Standard Cut	Diamond Cut	Non-Ferrous (NF) Cut	Diameter D	Shank Dia. d	Edge Length L	Radius/ Angle R/∅
A	 CYLINDRICAL	A-1640	AD-16-2	-	16	8/6	25	-
		A-1224	AD-12-2	A 12NF	12	6	20	-
		A-1022	AD-10-2	A 10NF	10	6	20	-
		A-0820	AD-08-2	AD 08NF	8	6	20	-
		A-0616	AD-06-2	A 06NF	6	6	15	-
		A-0414	AD-04-2	-	4	6	15	-
		A-0312*	AD-03-2*	-	3(1/8")	3(1/8")	15	-
AE	 CYLINDRICAL-EDGE CUT	AE-1640	AE/D-16-2	-	16	6	25	-
		AE-1224	AE/D-12-2	-	12	6	20	-
		AE-1022	AE/D-10-2	-	10	6	20	-
		AE-0820	AE/D-08-2	-	8	6	20	-
		AE-0616	AE/D-06-2	-	6	6	15	-
		AE-0414	AE/D-04-2	-	4	6	15	-
		AE-0312*	AE/D-03-2*	-	3(1/8")	3(1/8")	15	-
B	 BALL NOSE CYLINDRICAL	B-1640	BD-16-2	-	16	6	25	8
		B-1224	BD-12-2	B 12NF	12	6	20	6
		B-1022	BD-10-2	B 10NF	10	6	20	5
		B-0820	BD-08-2	B 08NF	8	6	19	4
		B-0616	BD-06-2	B 06NF	6	6	15	3
		B-0414	BD-04-2	-	3	6	15	1.5
		B-0312*	BD-03-2*	-	3(1/8")	3(1/8")	15	1.5
CP	 TREE POINTED (P)	CP-1640	-	-	16	6	30	-
		CP-1224	CPD-12-2	CP 12NF	12	6	25	-
		CP-1022	CPD-10-2	CP 10NF	10	6	20	-
		CP-0616	CPD-06-2	CP 06NF	6	6	20	-
		CP-0414	CPD-04-2	-	3	6	15	-
		CP-0312*	CPD-03-2	-	3(1/8")	3(1/8")	15	-
		CR	 TREE RADIUS(R)	CR-1224	CRD-12-2	CR 12NF	12	6
CR-1022	CRD-10-2			CR 10NF	10	6	20	2
CR-0616	CRD-06-2			CR 06NF	6	6	15	2
D	 BALL NOSE CONE (S-SHORT)	D-1640	DD-16-2	-	16	6	30	3.5
		D-1224	DD-12-2	D 12NF	12	6	30	2.5
		DS-1224	DSD-12-2	-	12	6	20	2.5
		D-1022	DD-10-2	D 10NF	10	6	25	2
		DS-1022	DSD-10-2	-	10	6	20	2
		D-0616	DD-06-2	-	6	6	17	1
		D-0414	-	-	3	6	10	0.5
		D-0312*	-	-	3(1/8")	3(1/8")	10	0.5
E	 SPHERICAL / BALL	E-1640	ED-16-2	E 16NF	16	6	14.4	8
		E-1224	ED-12-2	E 12NF	12	6	10	6
		E-1022	ED-10-2	E 10NF	9.5	6	8	5
		E-0818	ED-08-2	E 08NF	8	6	7.2	4
		E-0616	ED-06-2	E 06NF	6	6	5.6	3
		E-0414	ED-04-2	-	4	3(1/8")	3.3	2
		E-0312*	ED-03-2*	-	3(1/8")	3(1/8")	2	1.5

SPECIFY PART CODE NO. WHILE ORDERING



TUNGSTEN CARBIDE ROTARY BURRS

Shape Code	Shape	Types of Cuts			Dimension (mm)			
		Standard Cut	Diamond Cut	Non-Ferrous (NF) Cut	Diameter D	Shank Dia. d	Edge Length L	Radius/ Angle R/∅
F	 FLAME	F-1224	FD-12-2	F 12NF	12	6	30	2.8
		F-0818	FD-08-2	F 08NF	8	6	16	2.5
G	 CONE 60°	G-1624	-	-	16	6	14.6	60°
		G-1224	-	-	12	6	15	60°
H	 CONE 90°	H-1624	-	-	16	6	13	90°
		H-1224	-	-	12	6	11	90°
K	 CONE	K-1220	KD-12-2	K 12NF	12	6	25	28°
		K-1020	KD-10-2	K 10NF	10	6	20	24°
		K-0818	KD-08-2	K 08NF	7.5	6	11	38°
		K-0616	KD-06-2	K 06NF	6	6	19	17°
		K-0312*	-	-	3	3	10	20°
N	 INVERTED TAPER E-EDGE CUT	N-0818	-	-	7.5	6	8	5°
		N-0616	-	-	6	6	8	5°
		NE-0818	-	-	7.5	6	8	5°
O	 OVAL	O-1224	OD-12-2	O 12NF	12	6	19	5.3
		O-0818	OD-08-2	-	8	6	12	3.3
		O-0616	OD-06-2	-	6	6	10	2.5
		O-0312*	OD-03-2*	-	3 (1/8")	3 (1/8")	5.5	1
T	 RIM [E-EDGE CUT]	T-2040	-	-	20	8/6	6	-
		T-1524	-	-	15	6	4	8
		T-1030	-	-	10	6	2	-
		TE-2040	-	-	20	8/6	6	-
		TE-1524	-	-	15	6	4	8
		TE-1030	-	-	10	6	2	-

* SOLID CARBID (Standard Length 38mm, Available in 50mm x 75mm) For 1/4" and 1/8" shanks add (I) to the EDP No. Standard shank length - 50 mm, Extended Lengths of 75, 100, 150, 200, 250 mm available

DESCRIPTION OF AVAILABLE CUTS

STANDARD CUT



Most popular cut for hardened and un-hardened materials. Widely used for cast iron, steel and some non-ferrous metals.

DIAMOND CUT



Recommended for hardened steels, stainless steels and exotic alloys. The resulting chip is pulverised into powder. Cutting rate is also increased.

NON-FERROUS (nf) CUT



Recommended for soft and light materials like aluminium, plastics, etc., which tend to clog the cutting edges of the burr.

OPTIONAL CUTS - for shorter chips, reduced chatter, fast stock removal or superb finish.

CHIP BREAKER CUT



DOUBLE CUT



COARSE CUT



FINE CUT



SUPERSTONE moves to next stage
ADVANCED CERAMIC STONE



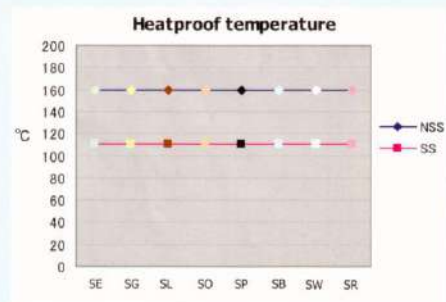
NEW SuperStone

VERY LONG LIFE!

PROGRESSED CUTTING POWER!

IMPROVED HEAT RESISTANCE!

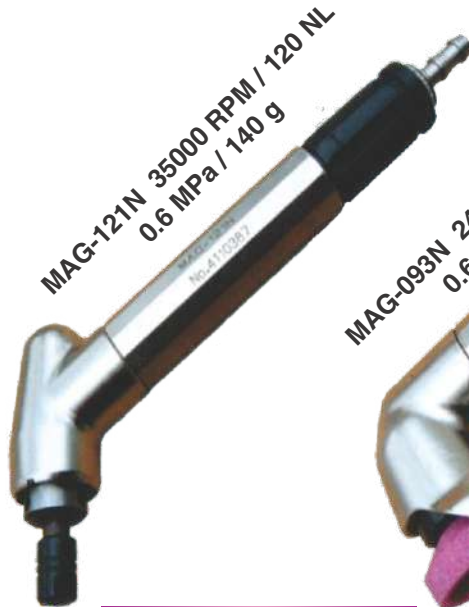
Up to 45% better in the heat resistance. By enhanced heat resistance, "New SuperStone" can be used not only in reciprocating/rotary handpieces or by hand but also in ultrasonic machining units with great performance.



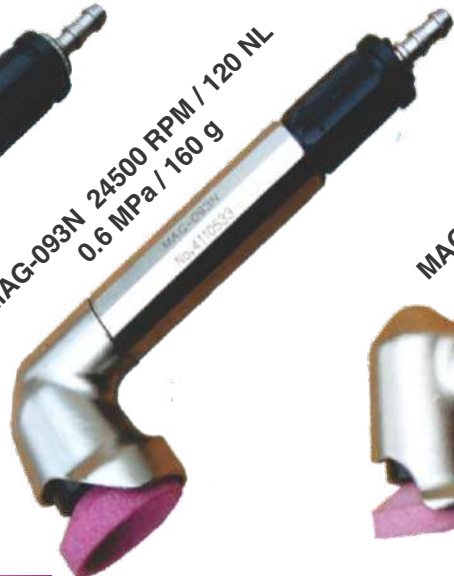
- Incredible strength and flexibility. It will offer excellent polishing ability even under very strenuous condition.
- Non-clogging. Beautiful polishing result on all types of metals in small and detailed area.
- Available in any dimensions in flat/round profiles upon your demand.
- Available in grit 120 to 1200. Easy to identify by color-coded.



MSG-3BSN 6500 RPM / 120 NL
0.6 MPa / 130 g



MAG-121N 35000 RPM / 120 NL
0.6 MPa / 140 g



MAG-093N 24500 RPM / 120 NL
0.6 MPa / 160 g



MAG-123N 24500 RPM / 120 NL
0.6 MPa / 175 g

TURBO LAP LINER



TLL-07 0.6 MPa 0.7 MM 28000 RPM 180g



TLL-12 0.6 MPa 1.2 MM 19000 RPM 180g



TLL-03 0.6 MPa 0.3 MM 52000 RPM 180g



TLS-07 0.6 MPa 0.7 MM 20000 RPM 180g



TLS-12 0.6MPa 1.2 MM 14000 RPM 180g



TLS-03 0.6MPa 0.3 MM 56000 RPM 180g

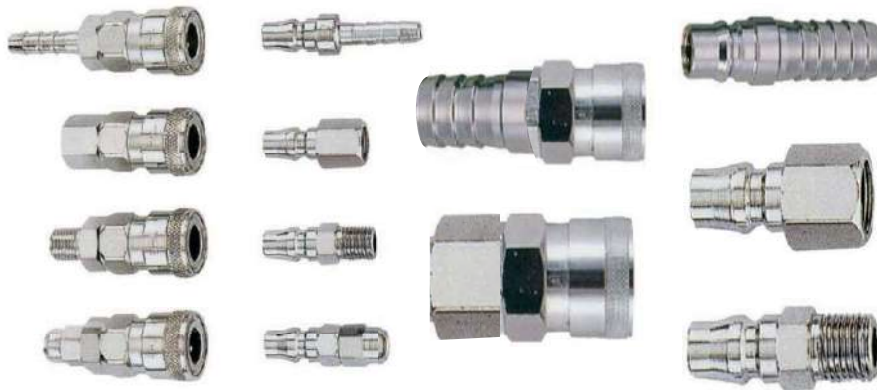
FILTER REGULATOR LUBRICATOR



AIR BLOW GUN



QUICK RELEASE COUPLING



ONE TOUCH FITTING



HAMMERS / STRIKING TOOLS





KING TONY SOCKET SETS



SPRING LOADED BIT



BIT ADAPTER



ADAPTER SOCKET



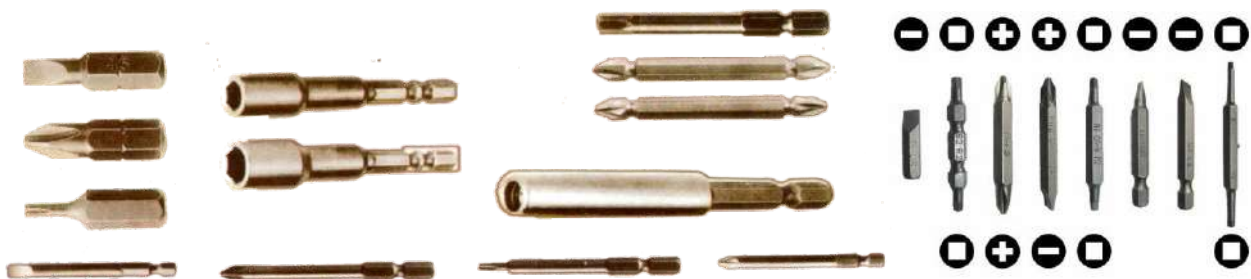
SOCKET



ALLEN SOCKET



SOCKET ADAPTER



SCREW DRIVER BITS





MODEL NO.	BALANCING CAPACITY		TRAVEL in Mtr.	ROPE Dia. Mm.	UNIT Weight
	Min. Kgs.	Max. Kgs.			
E-1	0.25	1.5	1.5	2.0	1.0
E-2	1.0	2.0	1.5	2.0	1.0
E-3	1.0	3.0	1.5	2.5	1.8
E-5	2.5	5.0	1.5	2.5	1.8
E-9	4.5	9.0	1.5	4.0	4.2
E-15	9.0	15.0	1.5	4.0	4.5
E-22	15.0	22.0	1.5	5.0	9.0
E-30	22.0	30.0	1.5	5.0	9.5
E-40	30.0	40.0	1.5	5.0	10.5
E-50	40.0	50.0	1.5	5.0	11.2
E-60	50.0	60.0	1.5	5.0	12.6
E-70	60.0	70.0	1.5	5.0	13.2
E-85	70.0	85.0	1.5	8.0	25.0
E-100	85.0	100.0	1.5	8.0	27.5
E-120	100.00	120.0	1.5	8.0	30.5
E-150	120.00	150.0	1.5	8.0	32.0
E-180	150.00	180.0	1.5	8.0	35.0
E-200	180.00	200.0	1.5	8.0	36.0



TOHNICHI TORQUE WRENCHES

DB/DBE/DBR

Direction Dial Indicating Torque Wrench



Memory Pointer (Red Needle)

Inspection		Dial Indicating		Direct Reading		RoHS		Accuracy ±3%			
S.I. Model	Torque Range [N-m]		Metric Model	Torque Range [kgf-cm/kgf-m]		American Model	Torque Range [lbf-in/lbf-ft]		Overall Length [mm]	Square Drive [mm]	Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.			
DB1.5N4-S	0.2-1.5	0.02	15DB4-S	2-15	0.2	DB13I-2AS	0-13	0.2	205	6.35	0.4
DB3N4-S	0.3-3	0.05	30DB4-S	3-30	0.5	DB26I-2AS	0-26	0.5			
DB6N4-S	0.6-6	0.1	60DB4-S	6-60	1	DB40I-2AS	0-40	1	245	9.5	0.6
DB12N4-S	1-12	0.2	120DB4-S	10-120	2	DB75I-2AS	0-75	1			
DB25N-S	3-25	0.5	230DB3-S	30-250	5	DB150I-3AS	0-150	2	320	12.7	0.7
DB50N-S	5-50		450DB3-S	50-500		DB300I-3AS	0-300	5			
-	-	-	-	-	-	DB600I-3AS	0-600	10	400	12.7	0.7
DB100N-S	10-100	1	900DB3-S	100-1000	10	DB600I-4AS	0-600	10			
-	-	-	-	-	-	DB25F-3AS	0-25	0.5	320	9.5	0.6
-	-	-	-	-	-	DB50F-3AS	0-50	0.5			
-	-	-	-	-	-	DB50F-4AS	0-50	1	400	12.7	0.7
DB200N-S	20-200	2	1800DB3-S	200-2000	20	DB100F-4AS	0-100	1			
-	-	-	-	-	-	DB175F-4AS	0-175	2	540	12.7	1.0
-	-	-	-	-	-	-	-	-			

QL/QLR Ratchet Head Type Adjustable Torque Wrench

Direction



Assembly Adjustable Ratchet Head Graduation RoHS

- Basic adjustable click style with resin grip
- Torque value easily set with external scale and knob

QL Optional Accessories



Part #	Applicable Model Dimension (mm)	Weight (Kg)
842	50N-100N4 (H60 x W400 x D70)	0.25
843	140N-200N4 (H60 x W520 x D80)	0.36
846	140N and below (H170 x W500 x D100)	1.0
847	280N and below (H170 x W740 x D100)	0.36

QLR Optional Accessories

Adjusting Tool for QLE

Part #	Applicable Model
301	QLE550N-2100N

Assembly		Adjustable		Ratchet Head		Graduation		RoHS		Accuracy ±3%		
S.I. Model	Torque Range [cN-m]		Metric Model	Torque Range [kgf-cm/kgf-m]		American Model	Torque Range [lbf-in/lbf-ft]		Overall Length [mm]	Square Drive [mm]	Weight [g]	
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.				
QL1.5N4	0.3-1.5	0.01	15QL4	3-15	0.1	15QL4-A	3-15	0.1	160	6.35	0.16	
QL3N4	0.6-3	0.02	30QL4	6-30	0.2	30QL4-A	6-30	0.2				
QL6N4	1-6	0.05	60QL4	10-60	0.5	QL50I-2A	10-50	0.5	195	0.19	0.25	
QL12N4	2-12	0.1	120QL4	20-120	1	QL100I-2A	20-100	1				
QL25N	5-25	0.25	225QL3	50-250	2.5	QL200I-3A	50-200	2.5	230	0.25	0.45	
QL50N	10-50	0.5	450QL3	100-500	5	QL400I-3A	100-400	5				
-	-	-	-	-	-	QL750I-3A	150-750	10	335	9.53	0.69	
-	-	-	-	-	-	QL75F-3A	15-75	1				
QL100N4	20-100	1	900QL4	200-1000	10	-	-	-	400	12.7	0.88	
QL140N	30-140	1	1400QL3	300-1400	10	QL100F-4A	30-100	1				
QL200N4	40-200	2	1800QL4	400-2000	20	QL150F-4A	30-150	2	490	1.4	2.0	
QL280N	40-280	2	2800QL3	4-28	0.2	-	-	-				
QL420N	60-420	2	4200QL2	6-42	0.2	QL300F-6A	60-300	2	995	19.05	3.4	
QLE550N	100-550	5	5500QLE	10-55	0.5	QL400F-8A	100-400	5				
QLE750N	100-750	5	7500QLE	10-75	0.5	QL600F-6A	100-600	5	1370	7.1	9.5	
QLE1000N	100-1000	10	10000QLE	10-100	1	QL700F-8A	100-700	10				
QLE1400N	200-1400	10	14000QLE	20-140	1	QL1000F-8A	150-1000	10	1795	25.4	13.1	
QLE2100N	500-2100	20	21000QLE	50-210	2	QL1500F-8A	600-1500	20				

QLLS RoHS

- QL style with Limit Switch output
- Ideal for torque verification (Pokayoke) assembly processes



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