

META FAB

MADE IN INDIA



Reliable All The Way

TEAM , PASSION , TRUST

CATALOGUE

www.metafabindia.com



Reliable All The Way

Our Team

Team METAFAB is one of the most enthusiastic professionals with an excellent background from different fields required to extend best customer satisfaction. This is the cornerstone of company's success.

Saying that, all Metafabians who live and breathe their businesses, have only one thing in common- they are passionate about doing better than the best.

Team METAFAB consists of automotive experts who are always ready to ensure that their valued customers get the right products and services.

We offer a professional range of services providing value for money to the customers and clients. Without the support of the clients, we would not have been able to reach where we are today.

On behalf of the Team METAFAB, we promise our customers for an ultimate satisfaction in supplying quality equipment and services.



Founded February 1986
Metafab Engineers (I) Pvt. Ltd.
an ISO 9000:2008 certified company

METAFAB
MADE IN INDIA
A DEDICATED TEAM

SOMEONE YOU CAN TRUST

Since 1986

About Metafab Engineers (I) Pvt. Ltd

Metafab Engineers (I) Pvt. Ltd traces its origin from a handful of engineers including C N Chopra, the founder of the company, who gave the impetus to storm into the big league of automotive parts manufacturers. The company started off with a vision to address the manufacturing needs of the automotive parts in 1986. Gradually, as Indian automobile market took notice of Metafab Engineers as a company driven by outstanding quality, excellence and ethics, it was soon recognized as one of the best players in the automotive firmament. Throughout the years, ideas have continued to flourish and multiply at METAFAB. Changes have continued to take place. From a modest beginning, METAFAB has grown to rank among one of India's largest Automobile Service Equipment & Auto Component Manufacturing Companies. However, one thing has remained unchanged at METAFAB — its commitment to deliver exceptional value and first-rate customer service. In the short span of time, the company diversified into three sectors which formed the backbone of the automobile industry: Automobile Service Equipments / Auto Components / Electronic. All the units are equipped with state of the art manufacturing facilities boasting finest metal-working craftsmen and sophisticated machine technologies employed in steel fabrication, design, and development and manufacturing process for any new product.

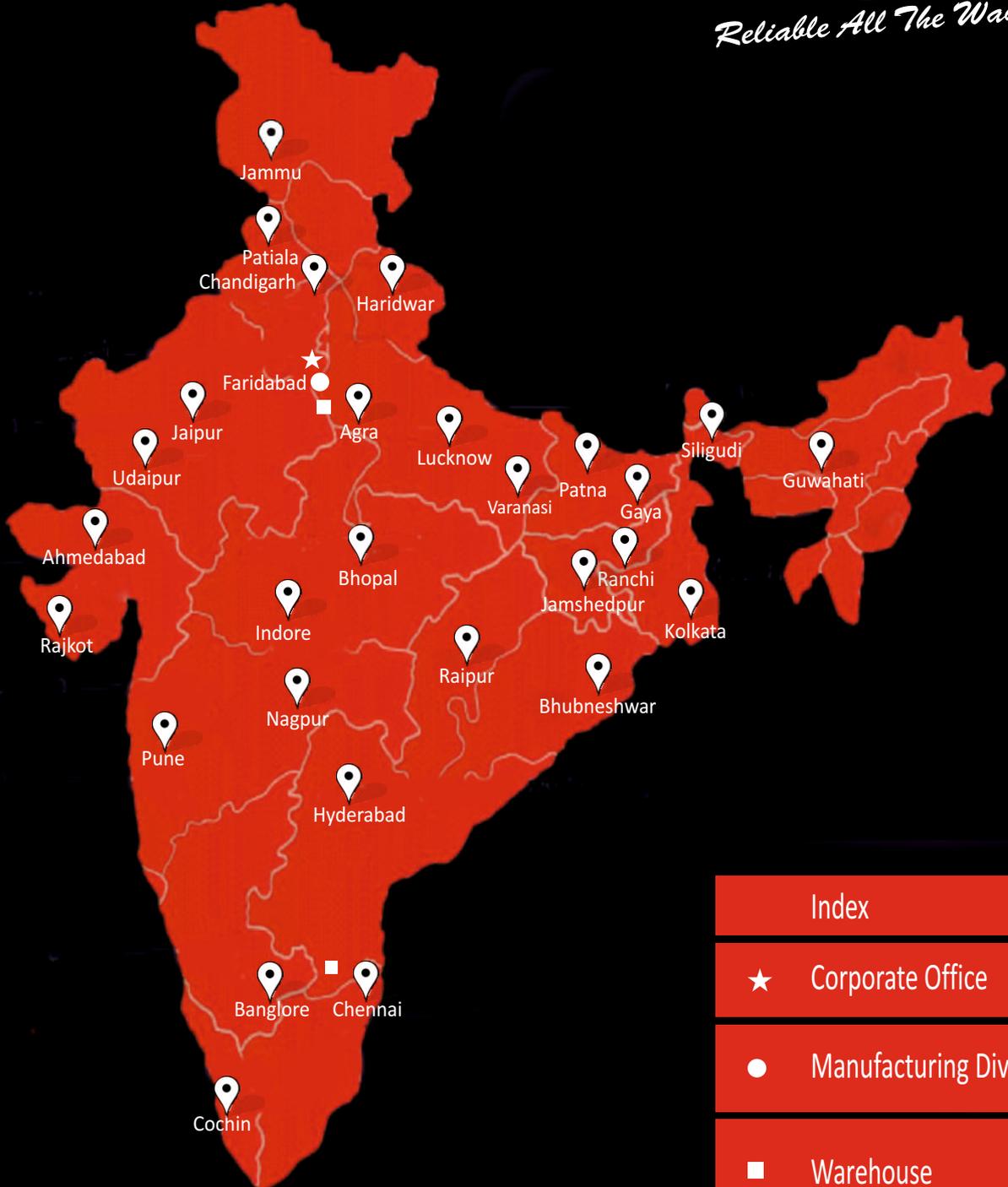
Today by the grace of God, Metafab Engineers commands respect as a leading manufacturer and supplier to its valued customers in the automobile field as it is equipped with latest machines like CNC turning centers, Vertical Machining Center (VMC) and robotic welding machines.

That Metafab has been awarded with TS certification means is testament to dedication to excellence and the high level of professionalism. It goes on to show that every activity in the organization is systematic and foolproof which puts the Metafabians at their innovative best in coming up with cutting edge products and solutions. This discipline is maintained right through the members of the organization occupying lower rungs in the hierarchy to the higher ups.

Last but not the least, METAFAB is proudly a part of the Skill India Project as we take pride in the fact that we have been entrusted with the task of setting up state of the art automobile training schools where young generation will undergo training in the latest technology which turns around at regular intervals.



Reliable All The Way



Index	
★	Corporate Office
●	Manufacturing Division
■	Warehouse
📍	Sale & Service Point

INDEX

VEHICLE LIFTER

021 - 034

- MOTOR BIKE LIFTING JACK
- MOPED LIFTING JACK
- BIG BIKE LIFTING JACK
- DIRT BIKE LIFTING JACK
- ATV BIKE LIFTING JACK
- THREE WHEELER LIFTING JACK
- LOADING & UNLOADING JACK
- TWO POST LIFTING JACK
- FOUR POST LIFTING JACK
- FULL RISE SCISSOR LIFTING JACK
- HYDRAULIC JACK ACTUATOR

PNEUMATIC SYSTEMS

035 - 037

- PNEUMATIC PANEL BOARD
- PNEUMATIC HANGER

TOOL MANAGEMENT SYSTEM

038 - 046

- TOOL BOX
- TOOL CABINATES

WORK STATIONS

047 - 051

- GENERAL WORK BENCH
- WORK STATION

WORKSHOP STORAGE UNITS

052 - 056

- TYRE RACK
- PARTS RACK
- SPARE PART RACK

WASHING SYSTEM

057 - 067

- PART WASHER
- SPARK PLUG CLEANER & TESTER
- INJECTER CLEANER
- AUTOMATIC BIKE WASHER
- AUTOMATIC CAR WASHER
- WASHING LIFTING JACK

BATTERY MANAGEMENT DEVICE

068 - 077

- MF BATTERY CHARGER
- LOAD TESTER
- JUMP STARTER

AUTO DIAGNOSTIC

078 - 086

- GAS ANALYSER
- ENGINE DECARBONIZER
- ENGINE TACHOMETER
- META DYNO

TYRE CARE EQUIPMENT

087 - 102

- TYRE PRESSURE GAUGE
- NITROGEN GENERATOR
- WHEEL ALIGNMENT
- WHEEL BALANCER
- TYRE CHANGER
- TYRE BEAD BREAKER
- TYRE LIFTER
- TYRE SPREADERS
- TYRE HANDLING TOOL
- TYRE SERVICE TOOL

BODY SHOP EQUIPMENT

103 - 120

- PAINT BOOTH
- INFRARED LAMPS
- PAINTING & REPAIRING STAND
- PAINT MIXER

OIL MANAGEMENT SYSTEM

121 - 137

- WASTE OIL COLLECTOR
- WASTE OIL DRAIN
- LEVER GREASE GUN
- PORTABLE OILING SYSTEM

PNEUMATIC PIPELINE

138

AIR COMPRESSOR

139

SPECIAL JIGS & FIXTURES

140 - 153

- REAR FIXED STANDS
- SINGLE ARM STANDS
- HYDRAULIC PRESS
- HYDRAULIC CRANE
- TRANSMISSION JACK
- CENTRE JACK

MOBILE SERVICE VAN

154 - 155

MULTI PURPOSE PLATFORM

156 - 157

SIMULATION MACHINE

158

SHOWROOM ACCESSORIES

159 - 164

- SHOWROOM ACCESSORIES
- FLOORING

MEASURING INSTRUMENTS

165 - 183

WORKSHOP HAND TOOLS

184 - 196

SPECIAL SERVICE TOOLS

197 - 202

GENERAL ACCESSORIES

203 - 205

CERTIFICATE OF REGISTRATION



Certificate of Registration

This certificate has been awarded to

Metafab Engineers (India) Pvt. Ltd.
Plot No.-299 & 318, Sector-24, NIT, Faridabad, Haryana, 121005, India

In recognition of the organization's Quality Management System which complies with

ISO 9001:2008

The scope of activities covered by this certificate is defined below

Design and Development, Manufacture and Servicing of Two-Wheeler Garage Equipment, Service Tools and Automotive Sheet Metal Components

Certificate Number: 66001/A/0002/NB/En	Date of issue: (Original) 23 April 2015	Date of Issue: 23 April 2015
Issue No: 1	Expiry Date: 22 April 2018	

Issued by:  On behalf of the Schemes Manager






URS (Certification) Pvt. Ltd. (Private) Ltd. (INC) Regd. Office: Plot No. 299 & 318, Sector-24, NIT, Faridabad, Haryana, 121005, India. Contact: 011-281410000. Website: www.urscertification.com
 URS (Certification) Pvt. Ltd. (Public) Ltd. (INC) Regd. Office: Plot No. 299 & 318, Sector-24, NIT, Faridabad, Haryana, 121005, India. Contact: 011-281410000. Website: www.urscertification.com



Certificate of Registration

This certificate has been awarded to

Metafab Engineers (India) Pvt. Ltd.
Plot No.-318, Sector-24, NIT, Faridabad, Haryana, 121005, India

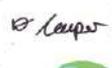
In recognition of the organization's Quality Management System which complies with

ISO/TS 16949:2009

The scope of activities covered by this certificate is defined below

**Manufacture of Sheet Metal, Tubular Components and Assemblies
(Excludes Product Design under Clause 7.3)**

Certificate Number: 66001/A/0001/SM/En	Date of issue of Certification Cycle: 23 April 2015	
Issue No: 1	Expiry Date: 22 April 2018	IATF No: 0205153

Issued by:  On behalf of the Schemes Manager





URS (Certification) Pvt. Ltd. (Private) Ltd. (INC) Regd. Office: Plot No. 299 & 318, Sector-24, NIT, Faridabad, Haryana, 121005, India. Contact: 011-281410000. Website: www.urscertification.com
 URS (Certification) Pvt. Ltd. (Public) Ltd. (INC) Regd. Office: Plot No. 299 & 318, Sector-24, NIT, Faridabad, Haryana, 121005, India. Contact: 011-281410000. Website: www.urscertification.com



Confederation of Indian Industry

Membership Certificate

This is to certify that
METAFAB ENGINEERS INDIA PVT LTD
is a member of the Confederation of Indian Industry(CII),
bearing Membership No.N5759P.
This certificate shall be valid up to 31 Dec 2017

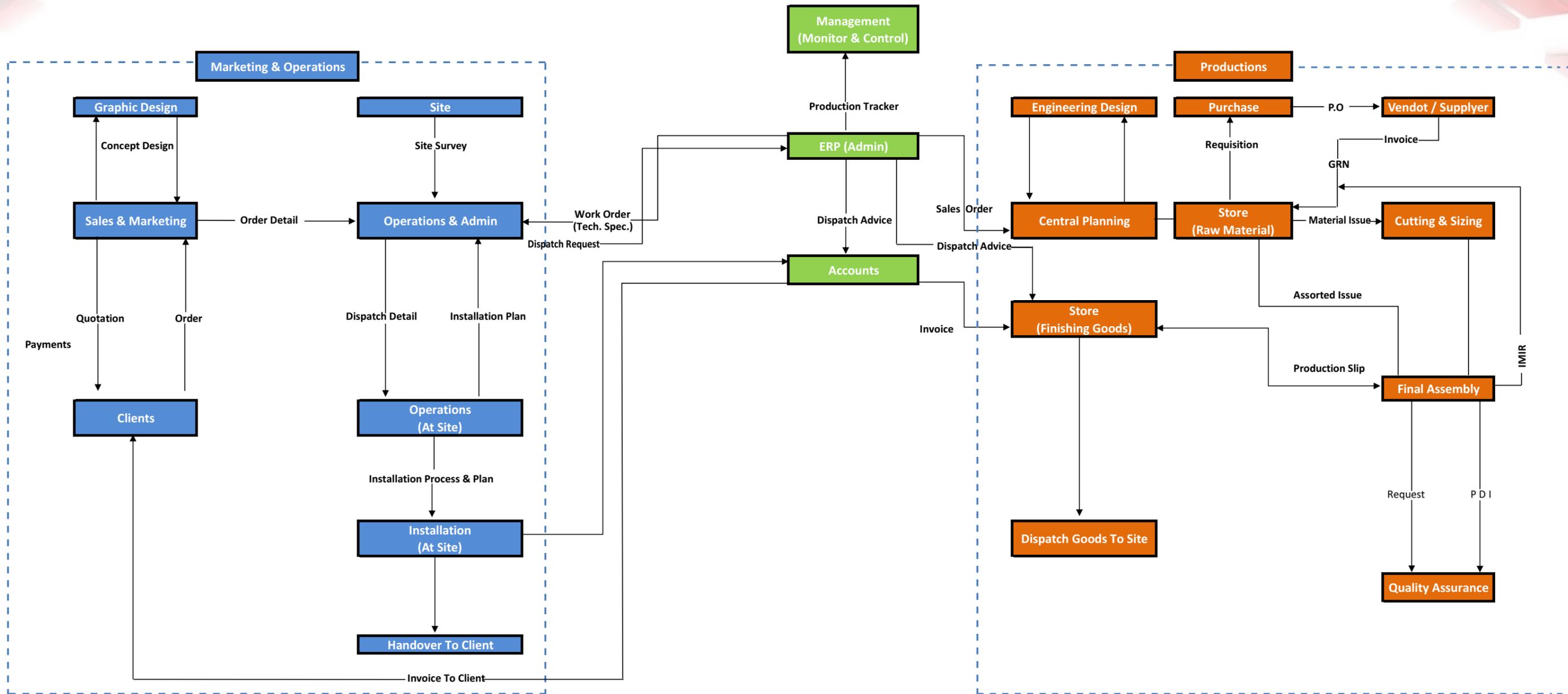




Chandrajit Banerjee
Director General
Authorised Signatory

CII, The Mantosh Sondhi Centre, 23, Institutional Area, Lodi Road, New Delhi 110 003(India)
 Tel:91 11 24629994-7 | Fax:91 11 24626149 | Email:info@cii.in | Website: mycii.in

PROCESS FLOW CHART



AWARDS 2015

WWW.METAFABINDIA.COM



"We are very proud to be awarded Brand Achiever award by Leadership and Quality Promotion Council of INDIA," said C N Chopra Chairman, Metafab Engineers. "The award is a clear affirmation that Metafab offers high quality innovative products and solutions. One behalf of the Team METAFAB, we once again promise our customers ultimate satisfaction in supplying quality equipments and service."

That Metafab has been awarded with Brand Achiever award is testament to its dedication to quality and the high level of professionalism.

ON INTERNET SINCE 1995

www.metafabindia.com

A Story always up-to-date

The home page of our website

www.metafabindia.com



FOLLOW US
ALSO FROM
YOUR SMARTPHONE

ME Metafab Engineers India Pvt. Ltd.
Complete Workshop Automation Under One Roof

Innovative Solutions For Your Business
We Know How to Solve Your Problems

Bike's Products Brochure METAFAB CONNECT Toll Free: 1800-180-1571

Two Wheeler Garage Equipments **MOTOX**
Four Wheeler Garage Equipments Automobile Components
Special Service Tools **MECHANO**

Founded February 1986 Metafab Engineers (I) Pvt. Ltd. with a handful of engineers from India having a vision to address the manufacturing needs eminent at that time. Powered with their experience, steadfastness and background education, they took on this task. They started from the basics and began building what today became one of the best garage equipment manufacturing companies in India in the short span. The company has grown up with two different well equipped engineering units, manufacturing completed set of Garage Equipments, Special Service Tools, Jigs & Fixtures for Two Wheeler service industries & Precision sheet metal components along with the design & manufacturing of Dies. [Scroll More](#)

Castrol BIKEZONE
Our Clients

Pages

Customer Sales & Service Portal

MEIAFAB TEAM, PASSION, TRUST

CALL US TICKETS
QUOTES INVOICES
PAYMENTS PRODUCTS
PARTS AMC - PLANS

TICKETS

Tickets Type: Under Warranty Assign to: Mobile Open 09 Mar 2017

Tickets Type: Under Warranty Closed By: Mobile Close 09 Mar 2017

Tickets Type: Under Warranty Assign to: Mobile Open 07 Mar 2017

Tickets Type: Under Warranty Assign to: Mobile Open

Follow us on Facebook and You Tube!



www.facebook.com

www.twitter.com



FOLLOW US
ALSO FROM
YOUR
SMARTPHONE

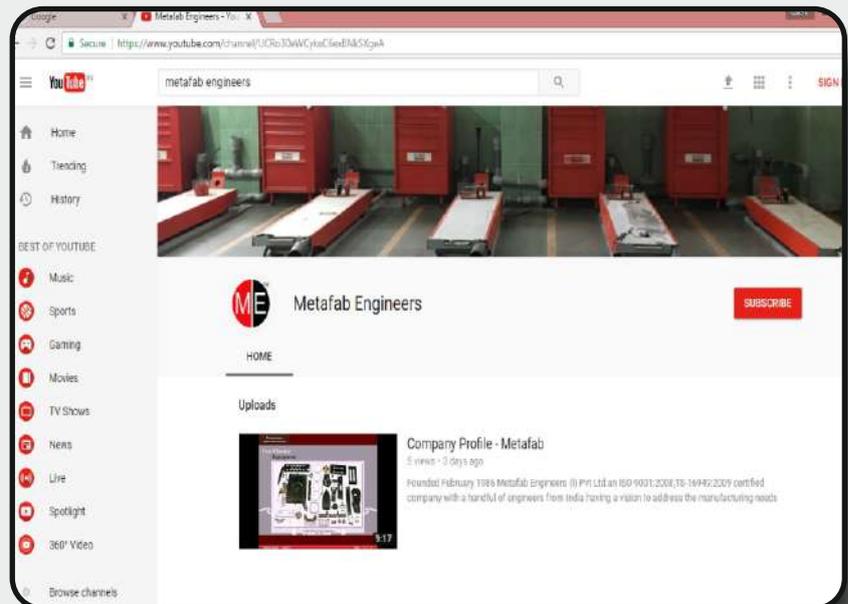


www.youtube.com



FOLLOW US
ALSO FROM
YOUR
SMARTPHONE

News, events, photos, comments and much more



Reach us @ 1800-180-1571

www.metafabindia.com



1986

We have started LPG
Stove its relevant parts.

Started variety of pressed
sheet metal Parts

1990

Developed various kind of
Special Service Tools for
Hero Honda Motors Ltd,
Yamaha Motors and
Escorts Limited.

A story begun over 31 years ago...

1993

Developed different type of
Tools Trolley as per customer
requirements.

1996

Supply complete Special
purpose of machines to
various Automobiles
Ancillaries

2000

Developed complete set of
Special Equipment for
another prestige customer
Bajaj Auto Limited.

2003

Metafab Engineers India
Pvt Ltd becomes an
ISO 9001 : 2000 certified
Company.

2006

Customer base spreads
beyond bike manufacturers
major international lubricant
brands repose trust.

2009

New Brands added to
cater 4 wheelers & Tools
Requirements under
brand name of Metatech
& Mechano.

2011

Started working for
Mahindra 2 wheelers /
Ducati High End Bikes.

2013

Started Manufacturing
Nitrogen Generator and
supplying to Hero Moto
Corp Limited.

2014

Developed New design for
Chain Cleaner & Lubricator
for Honda Motorcycle &
Scooter Pvt Ltd & Bajaj
Auto Limited.

2016

Developed Movable SST Cabinet
for 2 Wheeler & 4 Wheeler

2017

Entered In to E-Rickshaw
Chassis and Components
Manufacturing.

...which is renewed every day

METAFAB Engineers belongs to the rare breed of Indian automotive parts manufacturers who give them more value and confidence and for whom they remain their highest priority.

A trusted name in innovative automobile service equipment & auto component manufacturing, METAFAB was established in 1986 and has since positioned itself as a holistic automotive parts manufacturer with an extensive portfolio of products and solutions as well as straddling the three key sectors Automobile Service Equipments, Auto Components and Electronic Equipments.

A "do it now" attitude and a willingness to go the extra mile demonstrated by our staff have resulted in METAFAB growing from a single location to multi-location company.

We have a formidable track record in the selling of automotive products. With a considerable reach to address customer support across the length and breadth of India, we have been able to live up to customer's expectations.

We offer a professional range of services providing value for money to the customers and clients. Without the support of the clients, we would not have been able to reach where we are today.

On behalf of the Team METAFAB, we promise our customers for an ultimate satisfaction in supplying quality equipments and service.



C. N. Chopra
President & Founder





HERO AUTOMATED WORKSHOP

HONDA AUTOMATED WORKSHOP



MAHINDRA AUTOMATED WORKSHOP

SUZUKI AUTOMATED WORKSHOP





**DSK BENELI
AUTOMATED
WORKSHOP**

**CASTROL
AUTOMATED
WORKSHOP**



**TVS
AUTOMATED
WORKSHOP**

**BAJAJ
AUTOMATED
WORKSHOP**





BOSCH AUTOMATED WORKSHOP

DUCATI AUTOMATED WORKSHOP



KTM & **KAWASAKI** AUTOMATED WORKSHOP

YAMAHA AUTOMATED WORKSHOP



OUR CUSTOMERS

VEHICLE LIFTER

- Motor Bike Lifting Jack
- Moped Lifting Jack
- Big Bike Lifting Jack
- Dirt Bike Lifting Jack
- ATV Bike Lifting Jack
- Three Wheeler Lifting Jack
- Loading & Unloading Jack
- Two Post Lifting Jack
- Four Post Lifting Jack

MOTOR BIKE LIFTING JACK



ME-MBLJ - 01 (With Side Cover)

Very friendly ergonomics offer ease of working with minimum body stress; There stage adjustable working height, with automatic and/or manual hydraulic power pack; Manually lockable at any height for higher safety; Sliding in-built ramp for rolling the vehicle onto the platform.

ACCESSORIES

Wheel Vice



Front wheel stopper



Exhaust System



Center Stand Fixture



Center Stand Fixture



Center Stand Fixture



ME-MBLJ - 02 (With Center Stand)



ME-MBLJ - 03 (With Double Exhaust)

Item No.	Version
ME-MBLJ 01	Electro-Hydraulic
ME-MBLJ 02	Pneumatic
ME-MBLJ 03	Manual Operated

TECHNICAL DETAILS	
Type of Ramp	SS-Top/MS-Top (Scissor-X/Parallelogram-Type)
Version -I	Hydraulic (Manual & Electric)
Version -II	Pneumatic
Platform Size	1800x580 mm
Maximum Height	900 mm
Minimum Height	200 mm
Accessories	Front Stopper, Front Wheel Vice & Center Stand, Exhaust System
Load Capacity	200 kg
Safety	Manual Locking System

MOPED LIFTING JACK



ME-MLJ



New lift Designed by Metafab an ideal for servicing mopeds and scooters up to a maximum weight of 150 kg. Ideal solution for both the professional workshop as well as the private user. The run-up ramp is pivoting and it works automatically depending the ascent or descent of the lift. It is also available with locking pin that allows to lock the ramp once lifted up.

Item No.	Version
ME-MLJ 01	Electro-Hydraulic Pneumatic Manual Operated

TECHNICAL DETAILS	
Type of Ramp	SS-Top/MS-Top (Scissor-X-Type)
Version -I	Hydraulic (Manual & Electric)
Version -II	Pneumatic
Platform Size	1400x710 mm
Maximum Height	1070 mm
Minimum Height	145 mm
Accessories	Front Stopper & Front Wheel Vice
Load Capacity	150 kg
Safety	Manual Locking System

BIG BIKE LIFTING JACK

Made with high strength in order to take the load of Heavy Big Bikes with built in double exhaust system to evacuate the smoke of the motorbike . The lifts are with double Hydraulic Cylinder & Energised with Hydraulic Power Pick Unit .



ME-BBLJ 01 (With Sliding Gate for Rear & Front Wheel Removal)



ME-BBLJ 02 (With Sliding Gate for Rear & Front Wheel Removal)



ME-BBLJ 03 (Clear Floor With Sliding Gate for Rear Wheel Removal)

Item No.	Version
ME-BBLJ 01	Electro-Hydraulic
ME-BBLJ 02	Pneumatic
ME-BBLJ 03	

TECHNICAL DETAILS (ME-BBL 01 / 02)		TECHNICAL DETAILS (ME-BBL 03)
Type of Ramp	SS-Top/MS-Top Clear Floor (Scissor-X-Type)	SS-Top/MS-Top (Scissor-X-Type)
Version -I	Hydraulic Operated with double cylinder	Hydraulic (Manual & Electric)
Version -II	Pneumatic	Pneumatic
Platform Size	2750x915 mm	2250x750 mm
Maximum Height	900 mm	1150 mm
Minimum Height	200 mm	200 mm
Accessories	Front Stopper, Front Wheel Vice,Exhaust System	Front Stopper, Front Wheel Vice, Exhaust System
Load Capacity	500 kg	500 kg
Safety	Manual Locking System	Manual Locking System

BIG BIKE LIFTING JACK



ME-BBLJ - 04 (With Twin Arms)

The most complete and technological motorcycle lift of the world. The classic structure of the lift is completed by a hydraulic lifting system featuring two synchronized arms (**TWIN ARMS**) that, once the motorcycle is fastened to the arm brackets, allows to lift one or both wheels of the vehicle from the tabletop.



ACCESSORIES



Item No.	Version
ME-BBLJ 04	Electro-Hydraulic Pneumatic

TECHNICAL DETAILS	
Type of Ramp	SS-Top/MS-Top (Scissor-X-Type)
Version -I	Hydraulic (Manual & Electric)
Version -II	Pneumatic
Platform Size	2100x750 mm
Maximum Height	1000 mm
Minimum Height	190 mm
Accessories	Front Stopper, Front Wheel Vice & Center Stand
Load Capacity	220 kg
Safety	Manual Locking System

DIRT BIKE LIFTING JACK



ME-DBL



Among the “special” lifts developed, projected and realized by Metafab. The mechanical and project features of the lifting platform, the overall dimensions and the possibility to rotate of 360° the vehicle, make this lift the best solution for those who normally work on Off-Roads and Quads. The lifting structure, developed mainly at the centre of the basement, allows the maximum freedom to the operator, who can work on the vehicle from any position as well as in a more effective way and so with a minor waste of time.

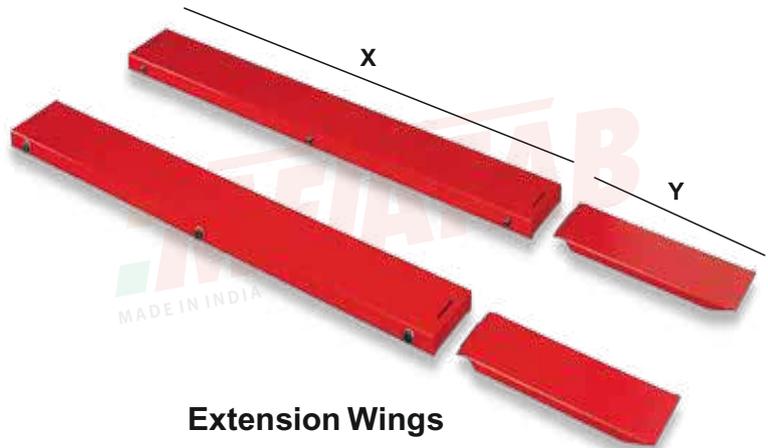
Item No.	Version
ME-DBLJ 01	Electro-Hydraulic Pneumatic

TECHNICAL DETAILS	
Type of Ramp	SS-Top/MS-Top (Scissor-X-Type)
Version -I	Hydraulic (Manual & Electric)
Version -II	Pneumatic
Platform Size	1900x780 mm
Maximum Height	1300 mm
Minimum Height	190 mm
Accessories	Front Stopper & Front Wheel Vice
Load Capacity	500 kg
Safety	Manual Locking System

ATV LIFTING JACK



ME-ATVLJ - 01



Extension Wings



ME-ATVLJ - 02

Extension Wings

Side extension wings for the lift. This optional kit is the best solution for those who make from time to time services on four wheel vehicles such as Quad, ATV and grass cutters. The lifting top platform becomes 1300MM wide and this set can be mounted or removed with extreme ease and in very short time. The side extension kit also includes the run-up ramps.

Item No.	Version
ME-ATVLJ 01	Electro-Hydraulic
ME-ATVLJ 02	Pneumatic

LOADING & UNLOADING JACK



- X-Linkage for space saving.
- Portable, therefore can be parked at corner.
- Actuated with Hydro electric power pack unit & safe in warehouse our.
- Very Suitable for warehouse our.

SPECIFICATIONS

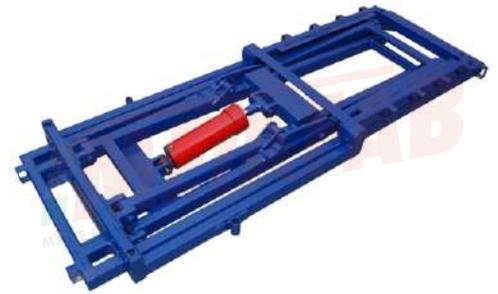
MODEL	MODEL NAME	TOP SIZE	TOP FINISH	WORKING HEIGHT	SHUT HEIGHT	LOAD CARRYING CAPACITY
ME L&UJ - 001	Loading / Unloading Small	1800 x 1200	MS Checked / MS Mesh Collapsible	1000	200	600 KG
ME L&UJ - 002	Loading / Unloading Big	2100 x 3000		3600	300	1000 KG

3 WHEELER LIFTING JACK



ME-3WLJ

With high strength structure these lifts are steeplessly adjustable in height. Hold the vehicles at the chassis offering maximum visibility and flexibility to the mechanic for servicing.



MODEL	MODEL NAME	TOP SIZE	TOP FINISH	WORKING HEIGHT	SHUT HEIGHT	LOAD CARRYING CAPACITY
ME 3WLJ - 001	Three Wheeler Lift	1750 x 680	-	900	100	800 KG

Can also made to order to suit any other three - wheeler design

TWO POST LIFTING JACK

FEATURES

1. Mx. Height 1900 mm with load.
2. Minimum height 100mm.
3. Limit switch protection for lifted cars.
4. Pull type safety release cable to lower the vehicle.
5. Manually controlled power unit.
6. Symmetric and asymmetric arm configuration.
7. Dual cylinder structure.
8. 24-V operation system.
9. step by step installation instruction provided.
10. Electromagnetic valve controls the safety lock release from one side. (MT-TP-1050FE)

SPECIFICATIONS

MODEL	ME-TPLJ-1050F	ME-TPLJ-1050FE	ME-TPLJ-1060F	ME-TPLJ-1060FA
Lifting Capacity	3200 kg	3200 kg	4000 kg	4000 kg
Lifting Height	1900 mm	1900 mm	1900 mm	1900 mm
Minimum Height	100 mm	100 mm	100 mm	100 mm
Overall Height	3882 mm	3882 mm	2826mm	2826mm
Inside Columns	2824 mm	2824 mm	2860mm	2860mm
Lifting Time	50 S	50 S	50 S	50 S
Motor Power	2.2 KW	2.2 KW	2.2 KW	2.2 KW
Power Supply	220V, 380V	220V, 380V	220V, 380V	220V, 380V
Weight	650 kg	650 kg	700 kg	700 kg
Asymmetric Arm	NO	NO	NO	NO
Symmetric Arm	YES	YES	YES	YES
Electromagnetic Release Valve	NO	NO	NO	NO



ME-TPLJ - 01 (Base Plate)

FEATURES

1. Mx. Height 1900 mm with load.
2. Minimum height 100mm.
3. Limit switch protection for lifted cars.
4. Pull type safety release cable to lower the vehicle.
5. Manually controlled power unit.
6. Symmetric and asymmetric arm configuration.
7. Dual cylinder structure.
8. 24-V operation system.
9. step by step installation instruction provided.
10. Electromagnetic valve controls the safety lock release from one side. (MT-TP-1050FE)

SPECIFICATIONS

MODEL	ME-TPLJ-1060CE	ME-TPLJ-1050CE
Lifting Capacity	400 kg	3200 kg
Lifting Height	2020 mm	1900 mm
Minimum Height	120 mm	100 mm
Overall Height	3995 mm	3882 mm
Inside Columns	2644 mm	2824 mm
Lifting Time	55 S	55 S
Motor Power	2.2 KW	2.2 KW
Power Supply	220V, 380V	380V
Weight	700 kg	650 kg



ME-TPLJ - 02

1. Asymmetrical posts design
2. Electromagnetic safety valve
3. Lifting height max 2000mm.
4. Three stage extendable arms.

**Asymmetrical
Clear Type Floor**

FOUR POST LIFTING JACK

Heavy Duty Column Lift

Unique Features :

- 4-column, 6-column and 8-column
- Remote control handset with 10 metres cable
- LCD screen shows the exact lifting height and fault diagnosis, etc
- Adjustable wheel support for all kinds of wheel sizes
- Each column is equipped with it's own control system, applies to four, or six, or eight columns per set.
- The hydraulic electric system provides safe and accurate real time control.
- With up-to-date technology, SCM control system ensures the lifts' synchronization.
- Double safety system: mechanical lock and hydraulic check valve.
- Fixed wheel supports or optional adjustable ones at your choice.
- Mobile and flexible, the system can be used indoor or outdoor.
- Waterproof design for use in commercial wash bays.



ME-FPLJ - 01

Technical Data	
Lifting Capacity	5500/ 7500/ 8500 kgs per column
Motor Power	1.1 KW
Max. lifting height	1700mm
Time for lifting or lowering	120s/100s
Power supply	400V/ 415V, 50Hz
Motor Power	2.2 KW per column
Weight	580kgs per column
Lifting system	Hydraulic
Dimensions	226cm (H)*110cm (W)*120cm (L with Hydraulic trolley)

Wireless Option Also Available*

Heavy Duty Four Post Lifting Jack Electro -Hydraulic with Runway

Unique Features :

- Flat runway design, optional rear side slips and jacking beams for wheel alignment using safety locks, manual release
- Strong hydraulic cylinder, heavy duty steel carriage

Technical Data		
Models	ME-FPLJ-01	ME-FPLJ-02
Lifting capacity	12T	16T
Track length	7620mm	8386mm
Lift Height	1700mm	1700mm
Track width	650mm	700mm
Motor power	3kw	3kw
Power Supply	415v	415v



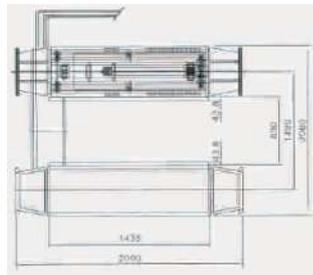
ME-FPLJ - 02

FULL RISE SCISSOR LIFTING JACK

OVERALL STRUCTURE SIZE (MM)

■ FEATURES

1. Scissor lift is designed to maximize the efficiency of your workshop and to work all around a vehicle without hurdles.
2. Small frame size, only 115mm when installed
3. Electro- hydraulic power system.
4. Four cylinder structure insures safe operation .
5. 3 ton lifting capacity.
6. Easy Operation.
7. Surface mounted, step by step installation and operation guide provided.



ME-FRSLJ - 01

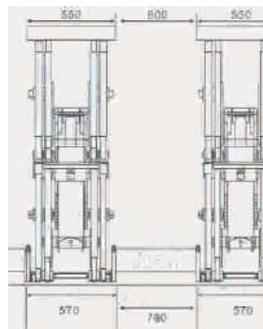
SPECIFICATIONS

Lifting Capacity	Maximum Lifting Hight	Minimum Height	Lifting Time	Air Source	Overall Size	Weight	Power Supply	Motor Power
3000 KG	1850 mm	150 mm	65 S	0.6 - 0.8 mpa	1900x2050x115mm	900 KG	380V, 50Hz	3 HP

OVERALL STRUCTURE SIZE (MM)

■ FEATURES

1. Ideal choice for type service, chasis repair and Auto maintenance shop.
2. Extendable and wide platform is capable of servicing bigger vehicles.
3. Pneumatic self-locking safety system, operated with push button control.
4. Pit type design makes car movement convenient and maximizes your workshop efficiency.



ME-FRSLJ - 02

SPECIFICATIONS

Lifting Capacity	Maximum Lifting Hight	Platform Lenght	Lifting Time	Air Source	Weight	Power Supply	Motor Power
3000 KG	1820 mm after installation	1550 - 1950 mm	50 S	6 - 8 / CM ²	850 KG	380V, 60Hz	3 HP

ALIGNMENT SCISSOR LIFTING JACK



FEATURES

1. Ideal choice for wheel changing, chassis checking, vehicle maintenance and wheel alignment use.
2. Floor mounted, within a pit.
3. 3500kg lifting capacity.
4. Maximum 2160mm lifting height, 1800mm above floor level.
5. Adjustable turntable position and long rear sliding plate.

SPECIFICATIONS

MODEL	ME-ASLJ-1260	ME-ASLJ-1260A	ME-ASLJ-1260B
Lifting Capacity	3.5 T	3.5 T	4T
Lifting Height	2160 mm	2160 mm	2160 mm
Runways Length	4000 mm	4800 mm	4800 mm
Runways Width	610 mm	610 mm	610 mm
Jack Height	450 mm	450 mm	450 mm
Motor Power	2.2 KW	2.2 KW	2.2 KW
Rated Oil Pressure	22 Mpa	22 Mpa	22 Mpa
Air Source Pressure	6 - 8kg/cm ²	6 - 8kg/cm ²	6 - 8kg/cm ²
Power Supply	220V, 380V, 50/60Hz	220V, 380V, 50/60Hz	220V, 380V, 50/60Hz

Electro Hydraulic Jack Actuator Unit . **HYDRAULIC JACK ACTUATOR**

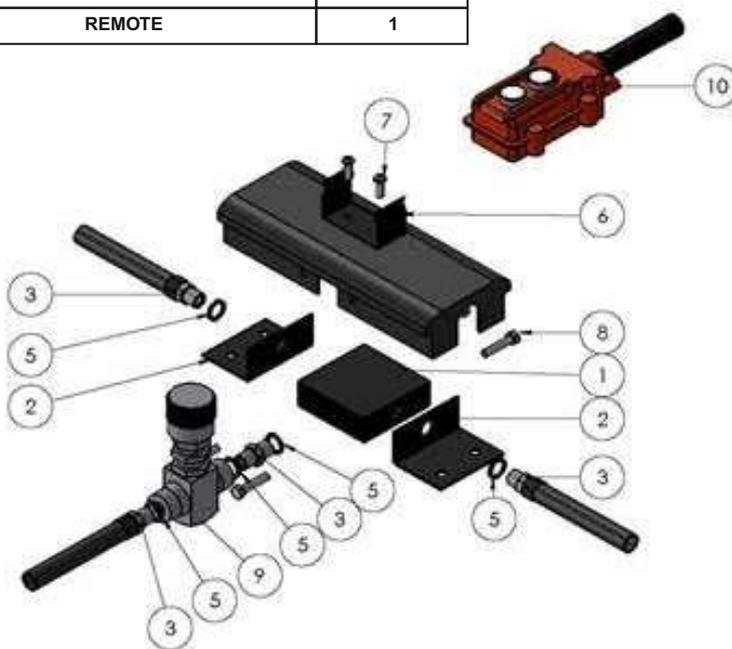
This is the heart of any Bike Lift Operations & is a precision equipment designed as per the loading condition / capacity of the motorbike .It is available in Single / Three Phase Power Supply .

- A. Manual Power Pack Unit which can operate Max 2 Stations .
- B. Multi Solenoid Unit can operate at max 8 Stations with Individual Hy Hose which runs from the unit to the Hy Cylinder of the Bike Lift.
- C. Single Solenoid Unit can operate at max 6 stations with all the hydraulic connections in series & individual electric & hydraulic control .

Exploded Diagram showing the Hydraulic Fittings Assembly.

Hydraulic Block Assembly

S.No.	DESCRIPTION	QTY.
1	HYDRAULIC BLOCK	1
2	MOUNTING CLAMP	2
3	1/4x1/4 BSP ADOPTER	4
4	HYDRAULIC BLOCK COVER	1
5	COPPER WASHER	5
6	REMOTE COVER	1
7	M5 HEAD SCREW WITH NUT	4
8	M6 HEX BOLT	2
9	FLOW REGULATION VALVE	1
10	REMOTE	1



(Wall Mounted)



(Manual Power Pack)

PNEUMATIC SYSTEMS

- Pneumatic Panel Board
- Pneumatic Hanger

PNEUMATIC PANEL BOARD



ME-PPB - 01



ME-PPB - 02



ME-PPB - 03



ME-PPB - 04

Pneumatic Panel Boards are designed in order to create a strong Corporate identity in the workshop with efficient utility for the mechanics in order to increase their efficiency .

KEY FEATURES :

Inbuilt Tool assortments with pneumatic line to support the functioning of pneumatic impact wrench & pneumatic blow guns where one gives lubricated air & in other supply of dry air is maintained by the installation of Filter Regulator & Lubricator .

Overhead workshop lighting is provided to have sufficient light for the mechanic as well as to provide illumination to the CI Logo .

It is a modular design & can be easily relocated incase needs to be shifted inside the workshop .

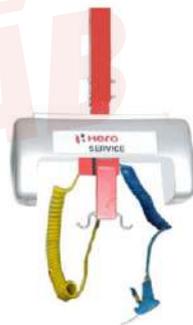
PNEUMATIC HANGER

Pneumatic Hangers are installed where there is a requirement of ceiling mounted pneumatic system. It has three variants : Roof Mounted / Wall Mounted / Pneumatic Overhang system. The entire system is covered with Dome Structure which makes the system aesthetically good. All hangers are provided with Lubricator from where lubricated air is supplied to the impact wrench & dry air to the air blow gun.



WALL MOUNTED HANGER (WITH HOSE REEL)

ME-PH - 01



WALL MOUNTED HANGER (WITHOUT HOSE REEL)



WALL MOUNTED HANGER

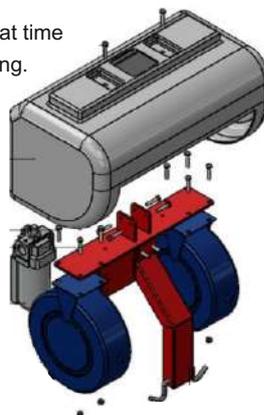
ME-PH - 03

ALL HANGERS ENABLE 1:2 AND 1:1 OPERATION

- Very simple yet sturdy structure.
- In-built pneumatic system complete with a lubricator to ensure better gun life
- Double hose reel to enable two pn. Gun to operate at time
- Additional blow gun point provide for general cleaning.
- Ample span to service two motorcycle side by side.

SPECIFICATIONS

MODEL	SUITABLE FOR
ME PH - 01	1:1, 1:2
ME PH - 02	- do -
ME PH - 03	- do -
ME PH - 04	- do -



HANGER ASSEMBLY



ROOF MOUNT HANGER

ME-PH - 02



SWIVEL TYPE HANGER
(180 deg. rotation either direction)

ME-PH - 04

TOOL MANAGEMENT SYSTEM

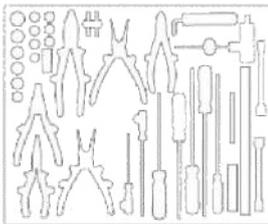
- Tools Box
- Tools Cabinates

TOOLS BOX

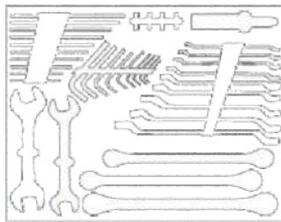


ME-TB-01
(6 Drawers Trolley)

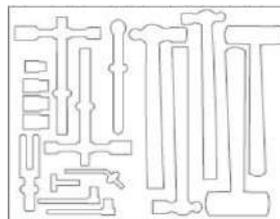
DRAWER-A



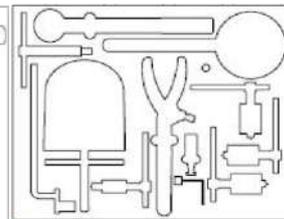
DRAWER-B



DRAWER-C



DRAWER-D



We have a wide range of trolleys for about every function of a Service Workshop. Designed with careful thoughts, from the customer's view point, these trolleys not only provide manoeuvrability but are also organizers that speed up your response time and enhance productivity.

■ FEATURES

- Save floor area by utilising vertical space.
- The shop looks tidy and smart.
- Some trolleys, as shown here, are designed to keep dismantled parts safely. Oil drip trays are provided to avoid oil spillage on the floor.
- PU or ABS top surface serves as a writing space for the mechanic.
- Trolleys with diagram boards can display exploded views of engine and body or even quality control and productivity charts.



ME-TB-02



ME-TB-03



ME-TB-04



ME-TB-05



ME-TB-06

TOOLS BOX

Quick Service Pneumatic Trolley

- Material Handling Trolley, for handling and transferring of dies, jigs fixtures in the shop floor
- Popularly know as PUC trolley this unit hold the co-Analyzer. .
- Power socket fitted on the trolley.
- Ample space to keep certificate form and the probe.
- On wheels to move to the bike or car.



ME-TB-07



ME-TB-08



ME-TB-09



ME-TB-10



ME-TB-11



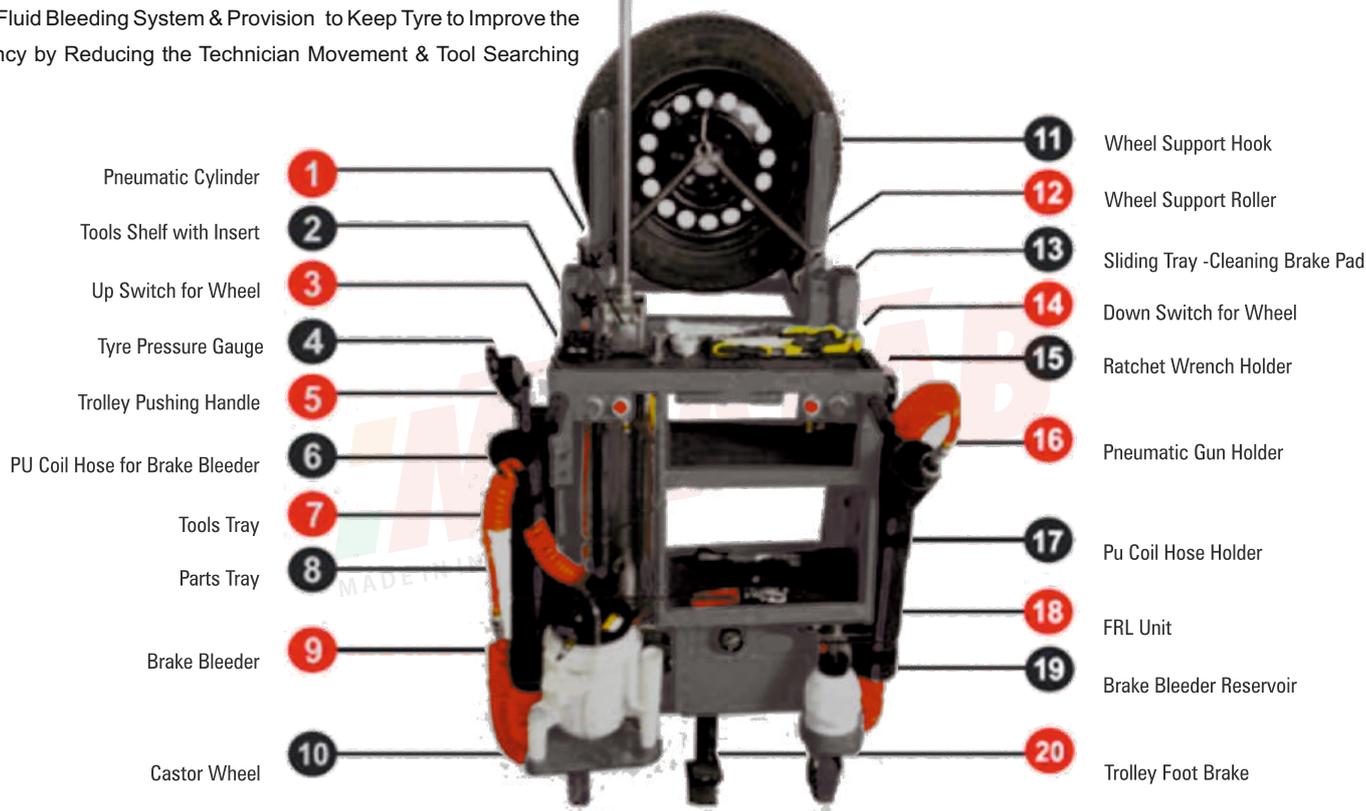
ME-TB-12

EXPRESS TROLLEY

Introduction of Advance Express Trolley to Improve the Express Bay Productivity

- Advance Express Trolley is Specially Develop to Support Express Bay to Service the Vehicle in Short Time.
- Advance Express Trolley is Designed with Provision to Keep All Necessarys Tools Required for Service, Multiple Pneumatic Outlet, Brake Fluid Bleeding System & Provision to Keep Tyre to Improve the Efficiency by Reducing the Technician Movement & Tool Searching Time.

- Technician Find it Difficult to Lift Up The Fortuner Wheel. Reducing the Technician Movement & Tool Searching Time.



ME-ET



BENEFITS

1. Use Pneumatic System to Lift the Tyre During Vehicle Maintenance.
2. Improvement in Technician Productivity.
3. Safe working Condition & Reduce Human Efforts.

SHOP FLOOR TROLLEY



ME-SFT-01



ME-SFT-02



ME-SFT-03



ME-SFT-04



ME-SFT-05



ME-SFT-06

SHOP FLOOR TROLLEY

SHOP FLOOR TROLLEY : SFT ▶

Metafab Shop Floor Trolleys can be used single sided or double sided as per requirement. Ideal for component storage and transfer to assembly or production areas. Unit comprises of base unit with aluminium chequered top plate fitted with castors and a frame on which two louvre panels of size Lp2 can be fitted on each side. Robust construction, Epoxy powder coated, easy assembly & has push pull handles on both sides.

Single sided trolley can hold 8 No's. SB1 Bins, 16 No's SB2 Bins, 6 No's SB3 Bins, 5 No's. Sb4 Bins & extra bins on the bottom table top or different size of bins as per your requirement.

Overall Dimension : L970 mm x B 600 mm x H 1100 mm.

Colour : Light Grey powder coated.

Trolley without louvre panels and Bins

Art No.: SFT

Order 2 No's SB Lp2 for single side and 4 No's SB Lp2 for double side separately.



ME-SFT-07

DOUBLE SIDED STAND

Heavy duty double sided stand ideal for use with RHINO BINS in different combinations as detailed below.

Please order RHINO BINS, Rails (AUR-1),

Stands (ARSS-2) Separately as per your requirements.

Stand can be also used single side as per requirement.

DIMENSION 1030 X 635 X 1450 MM



ME-SFT-08

TOOLS BOARD

- Ergonomics at every detail, imparts a feeling of efficiency to the mechanic's mind.
- Systematic arrangement of and easy approach to each tool improves job quality.
- Inventory control made easier.



Engine Tool Board
ME-TB-01



Chassis Tool Board
ME-TB-02



General Tool Board
ME-TB-03



General Tool Board
ME-TB-04



General Tool Board (Cabinet Type)
ME-TB-05



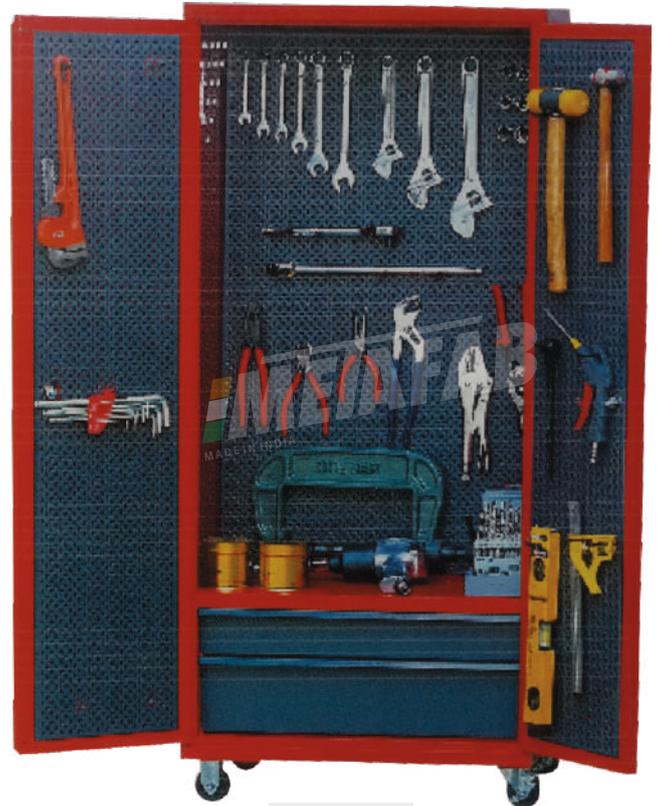
General Tool Board
ME-TB-06

MOBILE TOOL BOARD



ME-MTB-01

Size (LxWxH)	Weight
1000x550x2000	80Kg



ME-MTB-02

Size (LxWxH)	Weight
600x406x1280	61Kg



ME-MTB-03

The grid toolbox "double-face" allows you to use both sides, the shelves are completely open and comfortable support for hulls or other bulky items that the mechanic has to handle and move during working on the vehicle. The wall is completely mobile, thus allowing to be moved where necessary.

SPECIAL TOOL CABINET

Special Service tools are used for ensuring proper repair quality with minimum repair time. As of now ,SSTs are displayed on SST board which are generally kept inside the engine room. However with increasing number of SSTs efficient management of SSTs & their usage has become a challenge. To overcome this challenge and to ensure proper storage, mobility & management of SSTs, we are introducing the specially designed Mobile SST Cabinet.



ME-STC

ADVANTAGE

- SST are placed on its specific location & prevents mix up with other SSTs
- Accessible From 2 Sides
- Cabinet can be placed at any convenient location near the places or repairs if desired.
- Easier to locate SSTs in cabinet & Information about applicable Models

WORK STATIONS

- General Work Bench
- Work Station

GENERAL WORK BENCH

DESIGN FLEXIBILITY MODULARITY Arrangement customization



ME-GWB - 01



ME-GWB - 02



ME-GWB - 03



ME-GWB - 04



ME-GWB - 05

A proper place for fitting, hack sawing, fixing, tightening parts. Suitable for doing general bench work. A small tool grinder or bench vice can be fixed on it.

MODEL	NO. OF DRAWERS	TOP SIZE (mm) (LXBCH)	TOP FEATURE
ME-GWB-01	5	1200 x 680 x 800	PVC Cladding
ME-GWB-02	2	1200 x 680 x 800	PVC Cladding & Hardware Bins
ME-GWB-03	10	1200 x 680 x 800	PVC Cladding, Electric Point & Pneumatic Line
ME-GWB-04	6+1	1500 x 670 x 800	PVC Cladding & Lockable Wheel
ME-GWB-05	2	900 x 700 x 800	PVC Cladding LED Lights
ME-GWB-06	4	900 x 700 x 800	PVC Cladding & Hardware Bins
ME-GWB-07	-----	1500 x 600 x 750	Folding Legs

GENERAL WORK BENCH

DESIGN FLEXIBILITY MODULARITY Arrangement customization



ME-GWB - 06

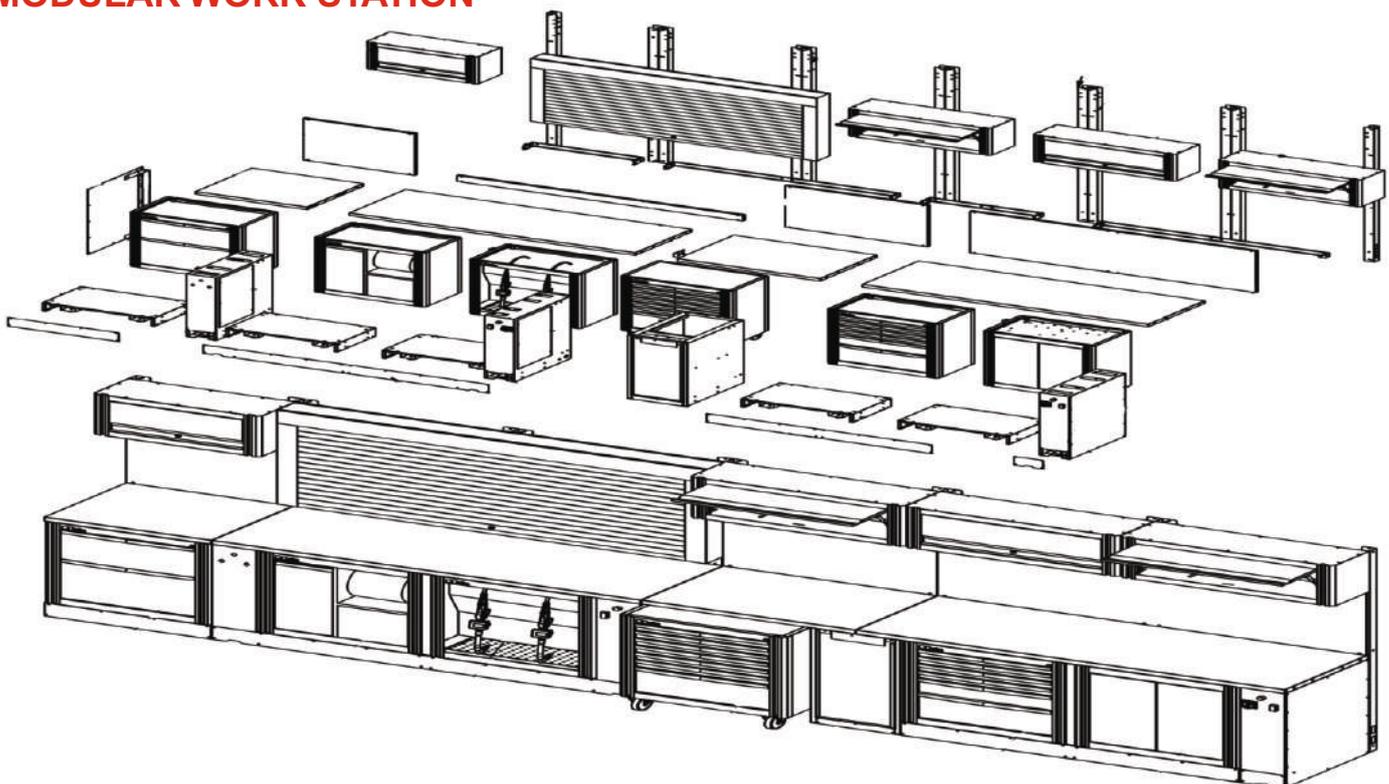
It is proposed by Metafab in 10 different combinations, the standard version without drawers can also get to have combinations up to 12 drawers. The flexibility of this of the product allows you to have a unique solution in a



ME-GWB - 07

Aluminum pit bench , provided of run up ramp and folding legs, for an easy storage and transport.

MODULAR WORK STATION



WORK STATION

Modular systems for workshop

Thanks to a wide range of modules, it is possible to obtain personalised solutions for workshop. Every module has been designed to satisfy the practical needs and the regulations which apply to modern dealers' workshops. You will be able to carry out your work in a more efficient and productive way

Robust frames, aluminium or steel handles, aluminium shutters, ball bearing drawer runners and a large selection of accessories are the main features of this product range which is designed entirely in Metafab.



ME-WS - 01

WORK STATION



ME-WS - 02 With Exploded View



ME-WS - 03



ME-WS - 04



ME-WS - 05

METAFAB Offers a whole array of Engine Working Station.

- Engine servicing at 3D x 3600 (Always at machine's eye level.
- Choice of exploded view or special tool board at eye level.
- Lockable cabinet for safe keeping of engine in service.
- Pneumatic gun mounting bracket.
- Double air lines (Lubricated and dry).
- Drawer space for hand tools, drawings, service manual.
- Overhead lighting arrangement.
- Custom-built jigs for every brand and model engine jig.
- Nylon fixture for non-ferrous and polished parts.
- Valves spring compression holder.

SPECIFICATIONS

MODEL	SIZE	NO. OF CABINET	NO. OF DRAWERS	TOOL BOARD	EXPLODED VIEW	INSTRUMENT BOX
ME-WS - 01	2000 x 750 x 1000	2	7+1	Yes	No	Yes
ME-WS - 02	1150 x 750 x 1000	2	4	No	Yes	No
ME-WS - 03	1150 x 750 x 1000	2	5	Yes	No	No
ME-WS - 04	1200 x 800 x 1000	2	1	Yes	No	No
ME-WS - 05	1200 x 800 x 1000	2	4	No	No	Yes

WORKSHOP STORAGE UNITS

- Tyre Rack
- Parts Rack
- Spare Parts Rack

TYRE RACK



ME-TR - 01

Tyre-Racks are strong, durable and economical solution to your tyre storage needs. Fast and easy to assemble using a modular design with a bolt-free locking system which allows you to arrange the shelf level to suit your requirements, giving you maximum tyre storage in minutes. Tyre Racks are accessible from both sides. Includes adjustable shelf levels.



ME-TR - 02



ME-TR - 03



ME-TR - 04

PARTS RACK



ME-PR - 01

Parts Rack are one of the best in class product used for the storage of Heavy/Medium sized products. The shelves are adjustable allowing ample space according to the requirement. The advanced parts rack also allows the material to be fetched from all 4 sides giving an extra opportunity to the individual for ease and clarity.



ME-PR - 02



ME-PR - 03



ME-PR - 04

PARTS RACK



ME-PR - 05



ME-PR - 06



ME-PR - 07

Products can be stored on 2 sides. The rotation is smooth with bearing." The product maximizes the narrow space, It can be displayed. Each BOX can be separated and the name of the product can be recorded. BOX can be selected and used Product Features .It is possible to make the space as small as possible and it is easy to find parts and easy to find stock because it is visible inside.It is possible to display part name by each BOX and it can be used in electrical and electronic parts , material management, parts management, laboratory, General store, Hospital pharmacy.

SPARE PART RACK



ME-SPR - 01

Products can be stored on 4 sides. The rotation is smooth with bearing." The product maximizes the narrow space, It can be displayed. Each BOX can be separated and the name of the product can be recorded. BOX can be selected and used Product Features .It is possible to make the space as small as possible and it is easy to find parts and easy to find stock because it is visible inside.It is possible to display part name by each BOX and it can be used in electrical and electronic parts , material management, parts management, laboratory, General store, Hospital pharmacy.



ME-SPR - 02



ME-SPR - 03

WASHING SYSTEM

- Part Washer
- Spark Plug Clean & Tester
- Injector Cleaner
- Bike Washer

MULTI-JET PARTS WASHER



ME-MPW - 01



ME-MPW - 02



ME-MPW - 03

An efficient way for cleaning engine parts and other small parts before final assembly.

Multi Jet Parts washer is specially designed for automobile workshop application . It is a closed circuit design where all the cleaning media moves through Magnets where all the ferrous parts get accumulated & Then it passes through fine filtration unit to recycle the media .

Fully Enclosed chamber with Transparent Lid ensures spillage & fume free working environment . Inside Cleaning brush is provided with continuous high pressure flow of cleaning media in order to reach & clean the areas which are unreachable . The continuous flow is maintained by electric high pressure pump installed .



ME-MPW - 04

SPARK PLUG CLEANER & TESTER

Only a proper spark plug ensure fuel efficiency and power output of a petrol IC engine. It therefore, entails great care and technology for proper service and condition evaluation of a spark plug.

Metafab spark plug cleaner & tester does it under controlled, with right technology



ME-SPCT (Spark Plug Cleaner & Tester)



ME-SPC (Spark Plug Cleaner)



ME-SPC (GUN)

- State-of art solid state electronic circuit.
- Spark plug cleaning with sand blasting a-system which does not interfere with automobile combustion.
- Dielectric testing under simulated condition of high voltage (10-12KV) and high pressure (12-15bar)

No-trial & error, no mental assumption like a roadside mechanic Pure technology, fine result.

INJECTOR CLEANER & TESTER

Petrol Injector Testing & Servicing System

Recognise these symptoms?

Poor Starting

Poor Driveability

Excessive Exhaust Emissions

Uneven Idling

Lack of Power

Lambda Sensor Problems

Catalyst Exhaust Failure

Malfunction Indicator Light (MIL) on EOBD2



ME-ICT - 01

Make a system to suit your needs, with or without ultrasonic cleaning baths.

On the latest generation of lambda controlled, Fuel Injected, Engine Management Systems, correct diagnosis of the complete system is no longer an option, it's a requirement. As these systems are "Closed Loop" a design where all the components in the system contribute to the engines correct and efficient running, then the correct diagnostic programme should cover all the components related to the fuel Injectors and their individual performance are now one of the major components to be considered when complete Engine Management System, not just some of them. Diagnostically analysing any system for "combustion related" problem, especially if problem is related to Engine Performance, Fuel Economy, Exhaust Pollution and Lambda or Catalyst failure.

Metafab have created a concept called "Injector Diagnostics", a Testing & Servicing programme where the injectors fuel Distribution, Fuel Droplet Formation, Fuel Atomisation and Fuel Delivery, are all visually and physically checked and tested as a starting point, rather than a last resort. The injectors are then Ultrasonically cleaned and the rubber sealing rings, plastic protection caps and filter baskets are replaced, before re-testing, ensuring all the injectors are performing as a matched, balanced set.

Without "Injector Diagnostics", it is impossible for garages to correctly, economically or efficiently, solve problems with Fuel Injected engines. Servicing Injectors will also save time and money on Service and Repair bills, prolong life of Inlet & Exhaust Valves, Piston Compression Rings, Lambda/Oxygen Sensors and the Catalytic Exhaust System.

INJECTOR CLEANER & TESTER

Petrol Injector Testing & Servicing System

METAFAB

Diagnosing Injector Performance

Before and after testing Adjustable pressure Metafab patented ultra-sonic cleaning process Fuel SPRAY Management spray pattern shapes and fuel atomisation are easily inspected in the Metafab display window.

Fuel delivery Volumes - the precise quantity fuel delivered can be measured and compared for up to 6 top feed injectors or 6 side feed injectors at one time
Electronic operation - Metafab examines the injectors performance during a 10 program option milliseconds and RPM simulation programme



Metafab Offer A Complete Service Programme

Including various service parts and accessories
Specialist tools
Filters o rings pintel caps

Parts and Accessories

Metafab is the complete workshop solution to the process of testing and features a full parts and accessory programme, with an ongoing development of new tools and accessories.

Special Features

- Backlit Viewing Window
- Multi Language Selection
- Digital Operational Display
- Membrane Key Pad
- Wide Range of Dynamic Functions
- Dynamic Resistance Check
- Injector Shot Counter Display
- Injector Shot Timer Display
- Duty Cycle Display
- Manual & Automatic Cleaning Cycles
- Adaptors for GDI (Gasoline Direct Injection)
- Suitable for Injected Motorcycles
- Suitable for Injected Marine Engines
- Suitable for LPG Injection
- For use on EVERY type of injector on the market

BIKE INJECTOR CLEANER

For Bikes Fuel Injector Cleaner & Analyzer

FEATURES :

- Microcontroller Based Control System
- Any Operation Time can be adjusted as per requirement
- Can be used in Automatic or Manual Mode Selectable
- Can Clean & Test Petrol Injectors of Bikes
- Easy mounting of Injectors by a Single screw for Cleaning
- Machine can be operated on 230VAC+/-10V@50Hz Supply
- Heavy duty switches for maintenance free operation
- Intel Line is equipped with Pressure Gauge to monitor Chemical Pressure
- Fully Powder Coated Tarret Punching CNC Fabricated Body
- Fully enclosed PP Tank for rust free operation
- 2 nos Borosilicate Glass Tubes for better visibility and toughness
- Solenoid Valves given at bottom of Glass Tubes for automatic draining of Chemical after injector testing.
- Pressure Regulator provided for Fuel Flow Control
- Detachable AC Mains cord with inlet Socket with in build AC Fuses holder
- Fuse in DC Circuit for better safety
- Backlit LCD Display for longer life



ME-BIC

SYSTEM FUNCTIONALITY :

- Clean
- Pulse Flow Test
- Drain
- Leak Test
- Solenoid Valve
- Pressure Regulator
- R.P.M. Test (500-9900)
- Open Flow Test

AUTOMATIC BIKE WASHER



ME-ABW



STANDARD

Standalone automatic motorcycle wash machine with high quality engineered parts. Features inbuilt foaming unit, watertanks and recycling unit



STANDARD DOUBLE DOOR

Double door machine allowing front entry and rear exit. Equipped with all the features of a Standard model.



TURBO

Standard machine, designed in collaboration with HERO MotoCorp for tougher duty conditions.



BASIC SINGLE BAY

A compact minimalistic version of the standard machine. Requires external recycling unit and water tank.

FEATURES

-  Time Saving
-  Energy Efficient
-  One Touch Operation
-  More Savings Per Wash
-  Fully Automatic Mechanism
-  Water Saving by Recycling
-  Unskilled Labour Can Operate
-  Corrosion Resistant Design
-  Compact & Customizable Design
-  Optimum Pressure for bike's safety



BASIC DOUBLE BAY

Basic model equipped with twin washingbay to handle twice the wash load.

Technical Specifications

Machine Model-Standard



Area Required

L*W*H
3493*2042*2255mm

OR

L*W*H
15'5"*6'7"*7'4"ft



Water per wash

Express Wash:
8 Liters
(After recycling)

Regular Wash:
15 Liters
(After recycling)



Time per wash

Express Wash:
1 minute

Regular Wash:
5 mins

Weight
Approx 1,000 kg

Electrical Load
12 HP (Actual consumption
1-1.5 Units per hour at
peak capacity)

Power Supply
3 Phase



Maintenance

Oil change:
every 1800 washes

Lubrication:
daily at start

Cleaning of filters:
daily at the end day



Life of the machine

Machine Longevity:
More than 10 years

AUTOMATIC BIKE WASHER

MAUAL BIKE WASHING



- Human errors are more in manual washing
- Can not take more washing load
- Consumption of Electricity 0.5 Unit per vehicle
- Consumption of Water 80 Liters per vehicle
- Consumption of Shampoo 10 ml per vehicle
- Manpower cost & Dependency is very high

AUTOMATIC BIKE WASHING



- Error free & Maintenance free system
- Up to 100 Vehicles can be washed per day
- Consumption of Electricity 0.1 Unit per vehicle
- Consumption of Water 50 Liter per vehicle
- Consumption of Shampoo 4 ml per vehicle
- Manpower Cost & Dependency is very less



SINGLE WASH SYSTEM



(2 Mtr W X 3 Mtr L X 2.5 Mtr H)

TWIN WASH SYSTEM



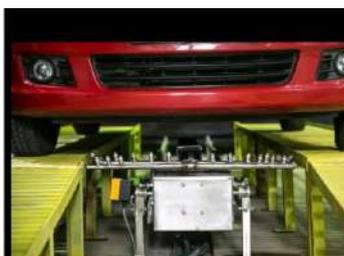
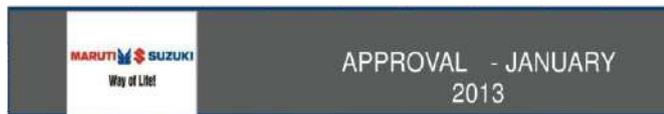
(3.7 Mtr W X 3 Mtr L X 2.5 Mtr H)

AUTOMATIC CAR WASHER

Metafab has a 31 Year History in Automobile Service Equipment with a customer base of more than 25000 in Pan India . Now Looking at the Washing Area of our dealerships which need attention & focused approach company with a Vision & determination to change the face of Automobile Cleaning Industry In India , MEIPL in collaboration with TEPL has jointly worked together hand in hand & developed single station Automatic Motorbike & Car Wash System with Cycle time of 1 Min for motorbike & 3 Min to complete the entire process of Wash, Shampoo & Rinse .

METAFOURWIN has become the market leader with installation base of almsot 1500 Units in last 5 years with all the respected OEM in the country .

Eventually we have developed Waste Water Recovery System, Car Dryer, Heavy Duty Vacuums Cleaners , Mat Cleaners & range of Consumables which are specially developed looking at the market requirements.



Underbody System



Auto Car Wash



Twin Car Wash



Car Air Dryer



Water Treatment Plant



Bike wash system

WASHING LIFTING JACK

Unique Features :

- List is installed under the ground with only lifting arms and control units above ground Level.
- It works without any noise and also conserves energy due to Pneumatic and Hydraulic Motor.
- Works without electricity and Mechanical Pneumatic locks automatically ensure working.
- Anti-Surge protection ensures the security at any uncommon conditions with fully hard chrome plating which protects it from water and rusting.
- Saves space & easy to operate and maintain.

Technical Data	
Lifting Capacity	16 Ton
No. of Plungers	2
Lifting Height	1500mm
Platform Size	7600 x 900 mm
Air Pressure Required	9-12 Kg/cm ²



ME-WLJ - 01

Washing Lift

Model	Lifting Capacity (Tons)	No. of Plunger	Plunger Diameter (MM)	Lifting Height (MM)	Platform Size		Air Pressure Required (kg/cm ²)	Oil Tank Capacity (Litres)
					Joist Sizes (inches)	L X W (MM)		
SP01	1.0	One	112	1500	4x2	1800x600	9-12	45
SP04	4.0	One	270	1500	7x3.5	4500x700	9-12	150
SP08	8.0	One	320	1500	10x5	5800x820	9-12	175
2SP08	8.0	Two	270	1500	8x4	7200x820	9-12	150x2 nos
2SP16	16.0	Two	320	1500	10x5	7600x900	9-12	175x2 nos

Single Bike Washing Lift :-

It is the simple scissor lift made out of structure a steel for better strength also there is no space for water accumulation & hence corrasion can be taken care off.



ME-WLJ - 02

BATTERY MANAGEMENT DEVICES

- Battery Charger
- Load Tester
- Jump Starter

MF BATTERY CHARGER

ME battery charger is designed for Motorcycles with 12V Batteries and which could be used both for regular charging of service batteries and initial charging of new batteries. LED indicator glows when the battery is fully charged and automatically switches over to sustained charging mode.

It has a forced recovery function using maximum of 20V/200mA+ 20% for a deeply discharged battery that can not be recovered with regular charging. (However, not all the deeply discharged batteries can be recovered)

This charger also has a failure inspection function which indicates if the battery can not be charged properly due to short-circuit, electrolyte shortage, or sulfation after 30 minutes of inspection time.

Strictly Follow Instructions Do & Do not

DOES

1. Battery charging area should be cleaned & well ventilated.
2. Properly clean the battery & terminals, before charging.
3. Ensure AC supply 220V \pm 20% to the charger
4. Clean the battery charger Lead clips at regular interval & apply white petroleum jelly on lead clip monthly.
5. Always use the correct rating fuses.

DO'NT

1. Do not short the lead between Negative & Positive.
2. Prevent the charger from water and acid.
3. Do not disconnect the battery when charging on till charged indication comes.
4. Do not connect the battery in series.
5. Do not charge MF VRLA battery on ordinary charger.

SAFETY

1. Fuses for short Circuited.
2. Reverse connection Protections.
3. Earthing protection



ME-MF-BC- 1:2



ME-MF-BC- 1:2



ME-MF-BC- 1:2



ME-MF-BC- 1:3



ME-MF-BC- 1:4

MF BATTERY CHARGER

TECHNICAL SPECIFICATIONS:

1. Type : CONSTANT VOLTAGE CONTROL CURRENT
2. Type of battery : VRLA/MF(Only)
3. Battery Voltage : 12Volts DC
4. Application : 2 Wheeler Batteries
5. Principle : Switch Mode Power Supply

Strictly Follow Instructions Do & Do Not

DOES

1. Always Charge MF /Vrla Batteries with MF battery charger only.
2. Battery charging area around the charger is well ventilated, clear off flammable material away from heat, Humidity, water and dust.
3. Properly clean the battery & terminals, before charging & apply white petroleum jelly on all the terminal.
4. Ensure AC supply 160Volts -240Volts to the charger.
5. Clean the battery charger Lead clips at regular interval & apply white petroleum jelly on lead clip monthly.
6. Always use the correct rating fuses.

DO'NT

1. Do not charge MF battery on ordinary charger (Conventional charger)
2. Do not short the lead between Negative & Positive.
3. Prevent the charger from water and acid.
4. Do not disconnect the battery when charging or till charged indication comes.
5. Do not connect the battery in series.



ME-MF-BC- 1:4

Safety

1. For short Circuit input & output fuse protection.
2. Reverse connection Protections.
3. Earthing protection.

E-BIKE BATTERY ANALYZER

OPERATING VOLTAGE	220VOLTS \pm 20% 50 Hz, SINGLE PHASE.
MAXIMUM POWER	<=500 WATTS
STATUS	1) CHARGING 2) DISCHARGING 3) CHARGING AND DISCHARGING 4) CHARGING, DISCHARGING AND CHARGING 5) RECOVERY[PULSATING].
METERING	LCD FOR OUTPUT VOLTAGE / OUTPUT CURRENT PER CHANNEL.
CURRENT	SELECTABLE SWITCH



ME-BA- 1:4

PROTECTION: -

1. SHORT CIRCUIT
2. EARTH PROTECTION
3. OVER HEATING
4. OVER LOAD
5. UNDER VOLTAGE : -(<150VAC)
6. OVER VOLTAGE : -(<250VAC)

CONVENTIONAL BATTERY CHARGER

Parallel Battery Charger

These battery charger cum load tester is a state of art design using solid-state electronic circuit with replaceable cards and trickle charging when the battery is full charged.

It is easy to use, durable and gives trouble free service

SR NO	CHANNEL TYPE	CHARGING CURRENT (AMPERES)	B.C - 2 CHANNEL	BC - 3 CHANNEL	BC - 6 CHANNEL
1	BOOSTING CHANNEL	2.5Amp, 0.5Amp, 0.7Amp, 0.75Amp, & 0.9Amp	1	1	1
2	CHARGING CHANNEL	2.5Amp, 0.5Amp, 0.7Amp, 0.75Amp, & 0.9Amp	1	2	5

SPECIFICATIONS

1. **1. TYPE** - **CONSTANT CURRENT**
2. **NO. OF STATIONS** - **2/3/ 6**
3. **SUITABLE FOR BATTERY VOLTAGE** - **12 VOLTS**
4. **CHARGING CURRENT** - **4-STEPS/ STATION**
 STATION 1 FOR - 0.25Amps/0.5Amps/0.7 Amps
 0.75Amps/0.9Amps (BOOSTING CHARGING)
5. **INDICATIONS AVAILABLE**
 - GREEN - SUPPLY ON FOR BATTERY CHARGER
 - GREEN - MAIN ON FOR CHANNEL
 - RED - CHARGING ON
 - RED - OPEN CIRCUIT/LOOSE CONNECTIONS
 - GREEN - TRICKLE CHARGE
 - RED - REVERSE POLARITY

SPECIAL INSTRUCTIONS FOR SAFETY :-

1. Charging room should be preferably separate and ventilated for the fumes to escape. Hydrogen gas is emitted, which can work like hydrogen bomb if care is not taken during charging
2. Charging area should be free from sparks and smoking should be strictly prohibited in the room.
3. The positive and negative terminals of charger leads and the battery should be thoroughly cleaned before using. and petroleum jelly may be applied if necessary in the battery charger output female terminals.
4. The Positive & Negative terminals of battery & battery charger lead should not be short-circuited to avoid miss happening.
5. If reverse Red LED is glowing after connecting the battery, never switch on the rotary switch, interchange the terminals and then switch on.



ME-CBC- 1:2



ME-CBC- 1:6 without Load Tester



ME-CBC- 1:6 With Load Tester



ME-CBC- 1:10

BATTERY CHARGER

ME-MXS- 3.8



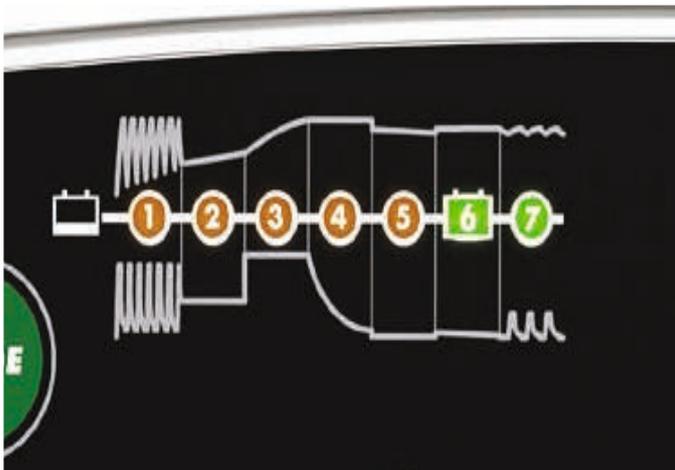
ALL ROUND CHARGER WITH PATENTED FLOAT/PULSE MAINTENANCE CTEK/METAFAB

TECHNICAL DATA

Charging Voltage	- 14.4/14.7
Charging Current	- Max 3.8 A
Type of Charger	- 7 Step, Fully Automatic Charging Cycle
Type of Battery	- 12V lead-acid batteries
Battery Capacity	- 1.2 85Ah, up to 130Ah for maintenance

UNIQUE 7 STEP CHARGING FROM CTEK

- 1 **STEP 1 INSULATION**
Pulsing voltage removes sulphates from the lead plates of the battery restoring the battery capacity.
- 2 **STEP 2 SOFT START**
Tests if the battery can accept charge. Charging begins if the battery is OK.
- 3 **STEP 3 BULK**
Charging with maximum current until approximately 80 % battery capacity.
- 4 **STEP 4 ABSORPTION, BATTERY READY TO USE**
Charging with declining current to maximize up to 100 % battery capacity.
- 5 **STEP 5 ANALYSE**
Tests if the battery can hold charge. Batteries that cannot hold charge may need to be replaced.
- 6 **STEP 7 FLOAT, BATTERY FULLY CHARGED**
Maintaining the battery voltage at maximum level by providing a constant voltage charge.
- 7 **STEP 8 PULSE, MAINTENANCE CHARGING**
Maintaining the battery at 95-100 % capacity. The charger monitors the battery voltage and gives a pulse when necessary to keep the battery fully charged.



BATTERY CHARGER

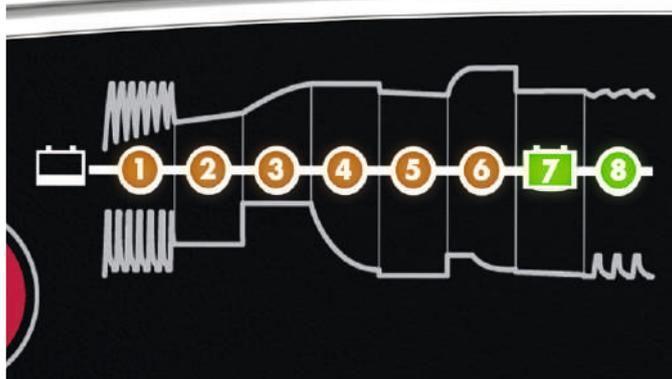
ME- MXS- 5.0



ADVANCED CHARGING WITH TEMPERATURE COMPENSATION CTEK/METAFAB

TECHNICAL DATA

Charging Voltage	- 14.4/14.7/15.8
Charging Current	- Max 5A
Type of Charger	- 8 Step, Fully Automatic Charging Cycle
Type of Battery	- 12V lead-acid batteries
Battery Capacity	- 1.2V 110Ah, up to 160Ah for maintenance
Insulation	- IP65 (Splash and dust Proof)
Temperature Comp.	Built in

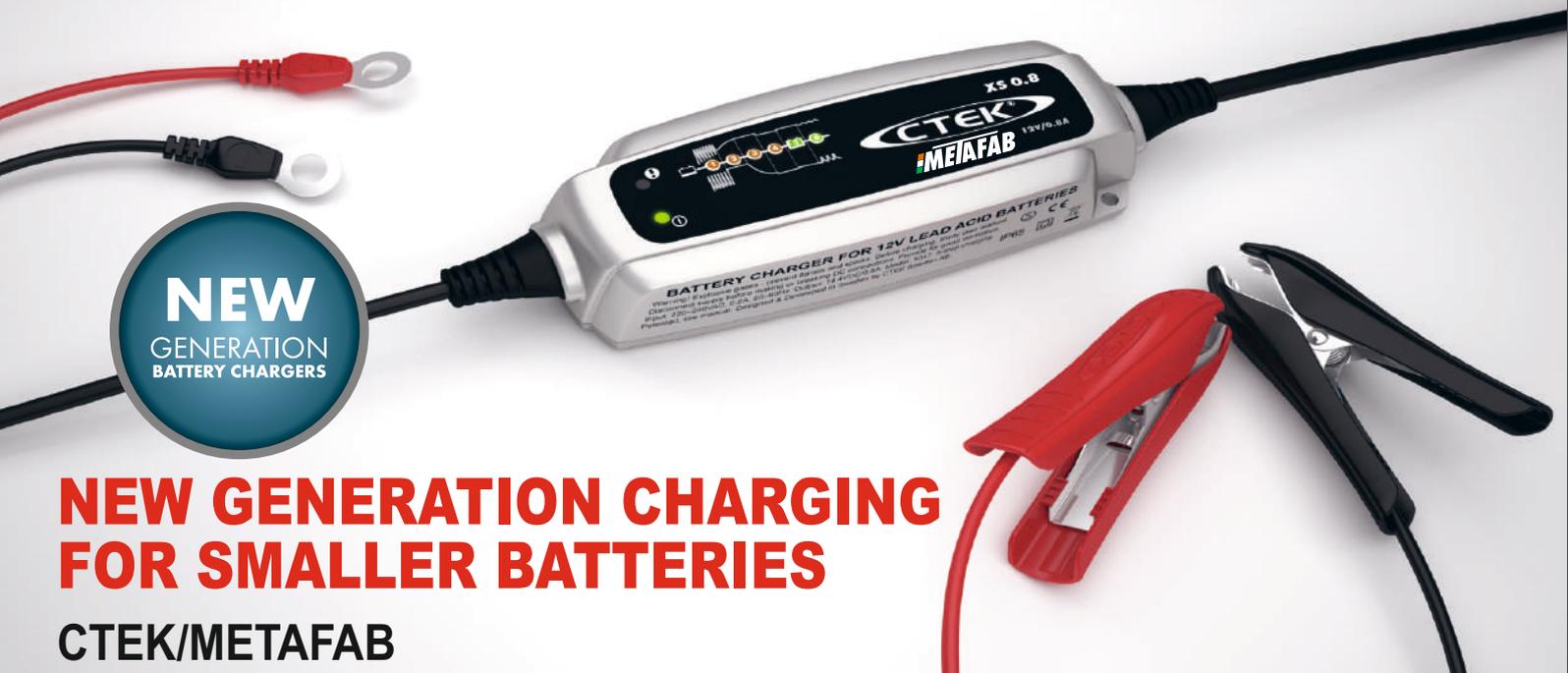


UNIQUE 8 STEP CHARGING FROM CTEK

- 1 **STEP 1 DESULPHATION**
Pulsing voltage removes sulphates from the lead plates of the battery restoring the battery capacity.
- 2 **STEP 2 SOFT START**
Tests if the battery can accept charge. Charging begins if the battery is OK.
- 3 **STEP 3 BULK**
Charging with maximum current until approximately 80 % battery capacity.
- 4 **STEP 4 ABSORPTION, BATTERY READY TO USE**
Charging with declining current to maximize up to 100 % battery capacity.
- 5 **STEP 5 ANALYSE**
Tests if the battery can hold charge. Batteries that cannot hold charge may need to be replaced.
- 6 **STEP 6 RECOND**
Reconditioning function for deeply discharged batteries.
- 7 **STEP 7 FLOAT, BATTERY FULLY CHARGED**
Maintaining the battery voltage at maximum level by providing a constant voltage charge.
- 8 **STEP 8 PULSE, MAINTENANCE CHARGING**
Maintaining the battery at 95-100 % capacity. The charger monitors the battery voltage and gives a pulse when necessary to keep the battery fully charged.

BATTERY CHARGER

ME-XS- 0.8

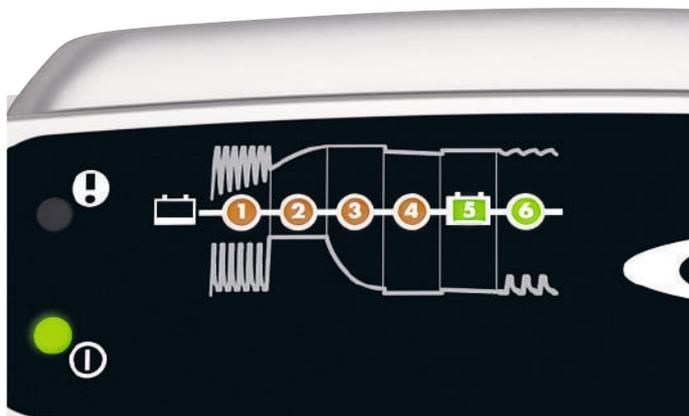


NEW GENERATION CHARGING FOR SMALLER BATTERIES

CTEK/METAFAB

TECHNICAL DATA

Charging Voltage	- 14.4 V
Charging Current	- Max 0.8 A
Type of Charger	- 6 Step, Fully Automatic Charging Cycle
Type of Battery	- 12V lead-acid batteries
Battery Capacity	- 1.2-32 Ah, up to 100Ah for maintenance
Insulation	- IP65 (Splash and dust Proof)



UNIQUE 6 STEP CHARGING FROM CTEK

- 1 STEP 1 DESULPHATION**
 Pulsing voltage removes sulphates from the lead plates of the battery restoring the battery capacity.
- 2 STEP 2 BULK**
 Charging with maximum current until approximately 80 % battery capacity.
- 3 STEP 3 ABSORPTION, BATTERY READY TO USE**
 Charging with declining current to maximize up to 100 % battery capacity.
- 4 STEP 4 ANALYSE**
 Tests if the battery can hold charge. Batteries that cannot hold charge may need to be replaced.
- 5 STEP 5 FLOAT, BATTERY FULLY CHARGED**
 Maintaining the battery voltage at maximum level by providing a constant voltage charge.
- 6 STEP 6 PULSE, MAINTENANCE CHARGING**
 Maintaining the battery at 95-100 % capacity. The charger monitors the battery voltage and gives a pulse when necessary to keep the battery fully charged.

BATTERY CHARGER

ME- MXT- 14



PROFESSIONAL BATTERY CARE FOR 24V BATTERIES

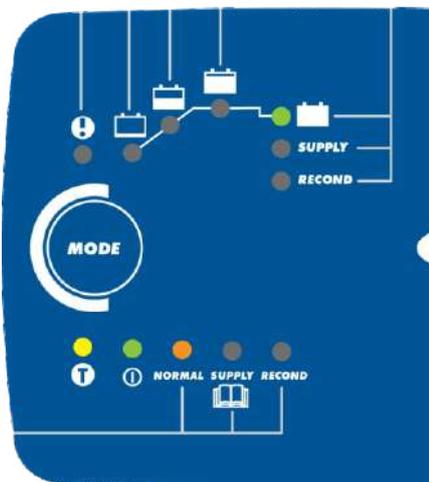
CTEK/METAFAB

TECHNICAL DATA

Charging Voltage	- 28.8/31.6/27.2v
Charging Current	- Max 14A
Type of Charger	- 8 Step, Fully Automatic Charging Cycle
Type of Battery	- 24V lead-acid batteries
Battery Capacity	- 28-300 Ah, up to 500Ah for maintenance
Insulation	- IP44 (Outdoor use)

UNIQUE 6 STEP CHARGING FROM CTEK

- 1 DESULPHATION
- 2 SOFT START
- 3 BULK
- 4 ABSORPTION, READY TO USE
- 5 ANALYSE
- 6 FLOAT, FULLY CHARGED
- 7 PULSE, MAINTENANCE CHARGING



JUMP STARTER

General Information

This product is capable of starting most 12 V gasoline engine up to 8.0L V8 engine (diesel upto 6.0L), this includes 4 and 6 cylinder engines and in lines. It can also be additional power pack for your electronic devices. It has 1 car battery clamp socket (12V), 2 USB outputs (5V/ 2.1A), 1DC 5.5 output (12V, 16V, 19V) and a flashlight. With the LED display. You can read the status clearly and easily.

Technical Specifications

Output voltage:12V

Peak capacity: 55500mWh

Dimensions: 180 (L)x90(W)x40mm(H)

Input charging ports: 6mm-15V. up to 1A/12V

Auto-12V, up to 1.5A

Output ports USB-5V 2 1A

Auto jump starter- 12V

Electronic- 12/16//19V-2A/3.5A /3.5A

Charge mode: CC /Cv 15V 1A

Start Current: 400A

Peak Current: 750A 2sS)

Cycle life : 1000 cycles @ 80 depth of discharge

Application temperature range:-20°C to +60°C. Cell performance may degrade at low temperature

Charging - times -Wall Charger: 4-5 hours

Auto charger: 8 hours



ME-JS



The instruction for starting a car



BATTERY CHARGER

SERIES BATTERY CHARGER

These type of unit are used where e have to charge multiple battery at one time

BATTERY CHARGER

SERIES BATTERY CHARGER			
CHARGER MODEL	DISCRIPTION	NO. OF BATTERY CHARGER	APPLICATION
2MEX - 1A/48V	Battery Charger With Analog/Digital Ampere Meter	4	2 Wheeler
2MEX - 1A/72V	Battery Charger With Analog/Digital Ampere Meter	6	2 Wheeler
2MEX - 1A/96V	Battery Charger With Analog/Digital Ampere Meter	8	2 Wheeler
2MEX - 1A/120V	Battery Charger With Analog/Digital Ampere Meter	10	2 Wheeler
4MEX - 6A/24V	Battery Charger With Analog/Digital Ampere Meter	2	2 Wheeler
4MEX - 6A/72V	Battery Charger With Analog/Digital Ampere Meter	6	2 Wheeler
4MEX - 10A/48V	Battery Charger With Analog/Digital Ampere Meter	4	2 Wheeler
4MEX - 10A/72V	Battery Charger With Analog/Digital Ampere Meter	6	2 Wheeler
4MEX - 10A/96V	Battery Charger With Analog/Digital Ampere Meter	8	2 Wheeler
4MEX - 10A/120V	Battery Charger With Analog/Digital Ampere Meter	10	2 Wheeler



ME-SBC- 1:4



ME-SBC- 1:10

- Overload Current protection.
- Digital current display.

LOAD TESTER

It is handy portable load tester designed on the software basis the feature are under given :

Specification of 2 Wheeler Load Tester :

- 6 nos, seven segment display. There for OCV of battery & lower three for HRD voltage f battery.
- Two feather touch key, this is for setting of time (for which load is applied) & setting of AH of battery.
- Can test 2.5Ah - 14 Ah capacity of battery.
- Load can be applied for 5sec or 10 sec.
- The applied load current is three times the capacity of battery.
- The outer caseis PVC handy.
- Can be used as multi meter to simply check the battery voltage.
- Three LED indication for indicating the condition of battery.
- Repeated load can be applied after every 5min.



ME-2WLT



ME-4WLT

It is a wheeler load tester and designed for testing 4 wheeler battery. We can check the condition of battery after charging & before charging we can apply load for the five second or 10 second and we can set the load according the battery capacity 32Ah-200Ah.

AUTO DIAGNOSTICS

- Gas Analyser
- Engine Decarbonizer
- Testing Equipments
- Engine Techometer

GAS ANALYSER

XION 9 is the world's most compact petrol gas analyzer. XION 9 is capable of measuring CO, HC, CO₂, O₂ & NO_x (optional) contents of Petrol Vehicle / CNG / LPG. It can also measure RPM, Alternate RPM(optional) Lambda & Oil temperature. XION 9 can be operated on battery as well in case of no direct power supply. The software of the machine is compatible with linux, windows and android. It can be operated remotely worldwide. Approximately 40 parameters/functions which the gas analyzer performs can be checked simultaneously resulting in a quick diagnosis of the problem if any. XION 9 gives the user the freedom to use any operating system/camera /printer/computer. In case of any fault it automatically suggests the solution. User friendly interface.



ME-GA



FEATURES

• Heat resistant silicon tubes	• Electromagnetic field resistant
• Good quality dust filter	• Fuel selectable (Petrol / LPG / CNG)
• Atmospheric pressure sensor	• Leakage Test
• Voltage drops, spike, bursts resistant	• HC Residual Test
• USB communication port	• Best quality water separator
• 90volts to 270volts High Quality power supply	• Alternate RPM available(optional)
• 70W electric consumption	• Warm up time is less than 10 minutes
• Can work directly with battery	• It can send data directly to server or email
• Low battery indication & automatic cut off	• Capable of checking Bharat stage 1 to 5 and beyond

TECHNICAL DETAILS

Measure items	HC, CO, Co ₂ O ₂ , Lambda, (Optional Nox)
Weight	4.5 kg
Basic Accessories	Probe, 5M Hose, Fuse, Leak test Cap, Dust Filter, Carbon Filter, Software CD Power Cord
Measure Range (Resolution)	
CO	0 Vol to 10.50% vol.
Co ₂	0 Vol to 21% vol.
HC	0 PPM to 20000 PPM as prope
O ₂	0 Vol to 23% vol.
Lambda	0 to 9.999
NOX (optional)	30° to 5000 PPM
Oil temperature Operating Temperature	30° to 150° C
Temperature	5° to 45 C

AC GAS RECYLING MACHINE

for Cars & LCV's

- Recycle remaining refrigerant in the automobile air conditioner.
- After treatment, the recycled refrigerant accords with SAE standard.
- Separate and drain AC system oil.
- Electro-magnetic valve controls the injection of AC system oil.
- Automatically remove the incondensable gases in refrigerant.
- Electronic balance measure the recycled and recharged refrigerant during the whole process.
- Microcomputer control the whole process.
- Liquid crystal bright background display.
- Electro-magnetic valve design prevents damage from liquid flow.
- Fast and convenient self-sealing connection
- Automatic reminding of problem checking and alarming.
- Automatic reminding of present operation state.
- Automatic reminding of daily maintenance.

Technical Data

Recovery Speed	108g /min
Vacuum speed	60 Ltr/min
Recharging speed	18 g/s
Scale Accuracy	±10g
Work Tank Capacity	10 kg
Dry Filter Capability	60kg R134a
Vacuum Pump	2 Stage
Compressor	1.5 HP



ME-AGR

ENGINE DECARBONIZER

Motor Bikes & Scooter

Carbon deposit accumulate over the time in the entire fuel system, including the fuel lines, injector pump, fuel injector and combustion chamber.

This causes rough idle, vibration at idle, loss of power, decreased mileage, increased smoke throttle response.

De-carbonisation process is designed to remove these deposits.

Decarbonisation result in the following benefits :

- Better Fuel economy
- Better combustion & increased power
- Faster starting & warm-up
- Reduced emissions
- Reduced injector & pump wear, thereby resulting in savings in maintenance costs.
- Improve Engine performance & response
- Reduced emissions
- Smooth starts, idles and quieter runs.



ME-ED

Helps :

- Clean fuel injectors
- Clean throttle body
- Clean profile and air-intake
- Clean intake valves and ports
- Remove combustions chamber deposits
- Comprehensive clean-up of combustion chamber, induction system & fuel injector deposit

TESTING EQUIPMENTS



ME-TE-01

MOTORBIKE DIGNOSTIC UNIT :

This unit is design to check the various critical parameters of Motor bike after service **ENGINE RPM / BATTERY VOLTAGE / BATTERY CONDITION** with continuously testing.



ME-TE-02

BATTERY CHARGER TESTER

Battery charger tester for testing e-bike specially design for LETRIX and HERO ELECTRIC MOTOR



ME-TE-03

ENGINE TECHOMETER

Pet-1000R

Pocket Size-13mm thick

Standard type that seeks usability as inline

Dedicated to gasoline engine of 2 – stroke 1, 2 cylinder,

4-stroke 2, 4 cylinder and 1-rotation 1- ignition

Antenna Lead wire (1m) included



PET-1000R

Pet-1100R (Engine Tachometer)

Functions of pet -1000R and multicylinder engine are supported

High Capacity type that enables the selection from 7 positions dedicated to gasoline engine of 2 –stroke 1 to 4 cylinder , 4 stroke 1to 6,8 cylinder.

Antenna lead wire (1m) included.



PET-1100R

Pet-4000 (Ignition Checker)

This is the three wire spark inspection machine of gasoline engine ignition system. The failure can be diagnosed easily without removing the magnet equipment from engine. The spark gap (standard 6mm) can be adjusted by knob with scale (0-12mm)

Dimensions (L X W x H):83 x 124 x 20mm



PET-4000

Pet-1010

The PET-1010 is a pulse-activated tachometer. It detects and counts electric pulses produced at the time of gasoline engines and processes the detected signals into rpm readings according to the type of engines being monitored. This unit is capable of monitoring rpm of 2 types of gasoline engines that are shown in the position table. This unit cannot be used for diesel engines and direct ignition engine.



PET-1010

ENGINE TECHOMETER

Pet-302R

This is the simply designed tachometer without button, which automatically displays the cumulative accumulated time after the measurement of rotation frequency is terminated.

Dedicated to gasoline engine of 2-Stroke 1-Cylinder, 4 Stroke 2-Cylinder and 1-Rotation 1-Ignition

* Antenna lead wire (1.2m) included (MAX r/min : 30000r/min)



PET-302R

Pet-2000DXR

This is the tachometer on which the dual displays function for displaying the rotation frequency and max. Rotation frequency is mounted, which can measure rotation frequency, cumulative accumulated time and max. Rotation frequency of engine.

Dedicated to gasoline engine of 2-Stroke 1, 2-Cylinder, 4 Stroke 2, 4 - Cylinder and 1-Rotation 1-Ignition

* Antenna lead wire (1.2m) included



PET-2000DXR

Pet-2100DXR

This is the high capacity type tachometer that supports multicylinder engine in addition to the functions of PET-2000DXR.

Dedicated to gasoline engine of 2-Stroke 1 to 4-Cylinder, 4-stroke 1 to 6,8-Cylinder

* Antenna lead wire (1.2m) included



PET-2100DXR

Pet-304

This is the simply designed tachometer without button, automatically displays the cumulative accumulated time after the measurement of rotation frequency is terminated

Dedicated to gasoline engine of 2-Stroke 1-Cylinder, 4-Sroke 2-Cylinder and 1-Rotation 1-Ignition

* Antenna lead wire (1.2m) included (MAX r/min : 20000r/min)



PET-304

ENGINE TECHOMETER

Pet-610R

Multicylinder engine is supported. Watch function and solar battery are included.

Dedicated to gasoline engine of 2-Stroke 1 to 4-Cylinder, 4-Stroke 1 to 6, 8-Cylinder

* Antenna lead wire (1m) included

**PET-610R**

Pet-3000R

It measures the cumulative accumulated time of engine operation.

Please utilize it for the management of maintenance / inspection period and rental time etc.

* Antenna lead wire (1.2m) included

Standard type that can measure temporary storage time and cumulative accumulated time

**PET-3000R**

Pet-3200R

This is the mounted type ultra small hour meter that measures the cumulative accumulated time of engine operation. Please utilize it for an indication of replacement time of engine oil and parts

* Antenna lead wire (1m) included

Ultra small / light model that does not pick the attachment place

**PET-3200R**

Pet-4100 Pulser

The spark can be checked easily by moving it close to the ignition plug cord. If the ignition pulse is received, the blue LED lights up.

Dimensions (L X W x H): 25 X 68 X 6mm

(Excluding the key holder part)

**PET-4100 PULSER**

ENGINE TECHOMETER

POSITION

Model Name		Measurable Engine												Dimension (LxWxH)	Main Body Weight
		2 Stroke				4 Stroke									
		1	2	3	4	1	2	3	4	5	6	8			
Mounted Type	PET-302R	①				①	①							44x61x12mm	30 g
	PET-2000XR	①	②			①	①		②						
	PET-2100XR	①	②	⑤	⑥	①	①	③	②	④	⑤	⑥			
	PET-304	③				③	③							41.7x59.4x12.5mm	29 g
Handy Type	DET-610R	⑦	⑨	⑩	⑬	⑪	⑦	⑧	⑨	⑫	⑩	⑬	113x62x8.5mm	57 g	
	PET-1000R	⑦	⑨			⑪	⑦		⑨				120x62x13mm	73 g	
	PET-1100R	⑦	⑨	⑩	⑬	⑪	⑦	⑧	⑨	⑫	⑩	⑬			
	PET-1200	①	②	⑤	⑥	①	①	③	②	④	⑤	⑥	115x62x15mm	60 g	
	PET-1010	⑦				⑦							120x62x13mm	60 g	

SPECIFICATIONS

Model Name		PET Series							DET
		302R	2000DXR	2100DXR	304	1000R	1100R	1200	610R
Hour Meter	Temporary storage time		○	○				○	
	Cumulative accumulative time	○	○	○	○			○	
Measurement of max. rotation frequency			○	○				○	
Max. Rotation frequency dual display			○	○					
Direct ignition engine measurement								○	
Auto-on		When engine ignition pulses are received							
Auto-off		When no ignition pulses are received for one minute							
Watch (Accuracy)								○ (Be accurate within 2 seconds per day)	
Internal Battery		Lithium Battery							
Solar Battery								○ Amorphous	
Operating Temperature Range		-20°C ~+60°C			-10°C ~+60°C		-10°C ~+50°C	0°C ~+40°C	
Storage Temperature Range		-20°C ~+60°C			-20°C ~+60°C		-10°C ~+50°C	-20°C ~+60°C	
Waterproof Property		Daily life waterproof							
RPM Display Interval		0.5 sec							
Accuracy		± 10 r/min (4 stroke 1 cylinder : ± 20 r/min)							
Battery Life		Approx. 20,000 hours							—
Accessories		Antenna lead wire, Hook and loop fastener		Antenna lead wire	Antenna lead wire, Hang strap		Sensor A, Sensor B, Sensor C, Double-Sided tape (3 pieces x2), Hang strap	Antenna lead wire, Hang strap	

ROLLER DYNAMOMETER

The only way to test a two-wheeler in all weather conditions and with total safety to the vehicle and its rider.

It has been designed with an attempt to develop a loaded test procedure for motorcycles, using simple road test bench.

Equipment Required :-

- Roller dynamometer with fixed inertia
- Computer with monitor
- Accessories like cooling fan, exhaust blower etc.

Check vehicle performance



ME-RDM

SPECIFICATIONS

Speed Indicator

Range	0 - 150 kmph
Resolution	0.1 kmph
Accuracy	+/- 0.25%
Input diameter	Magnetic Pick up
Roller Diameter	265.3

Acceleration Time Indicator (Accn by speed)

Speed Gate	0 - 150 kmph
Accuracy	0.1 Second
Range	0-99.9 Sec.

SFC Test

Display	4 Digits 999.9 km/ltr
Fuel volume	5 ml
Test Speed	60 kmph

Power Indicator

Max Power	20 Ps
Resolution	0.1 Ps
Calculate Power from Look up table using	ABC Constants

Engine RPM

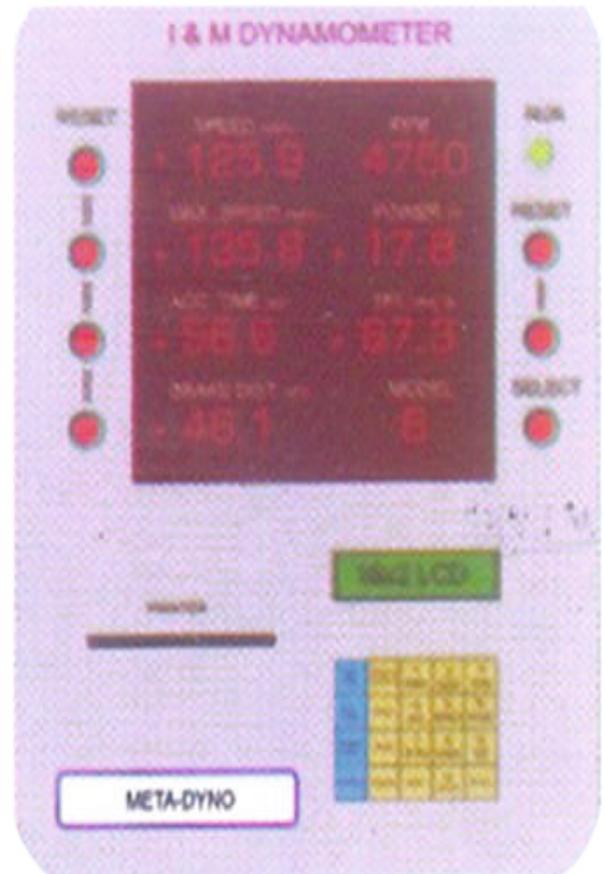
Display	4 Digit, 9999
Tyre of Sensor	Hall Sensor or Coil

Breake Test

Display	3 Digits 99.9
Resolution	0.1 mtr.

Printer	24 Column
---------	-----------

Vehicle Selection	8 Vehicles
-------------------	------------



TYRE CARE EQUIPMENTS

- Tyre Pressure Gauge
- Nitrogen Generator
- Wheel Alignment
- Wheel Balancer
- Tyre Changer
- Tyre Storage Rack
- Tyre Bead Breaker
- Tyre Lifter
- Tyre Spreaders
- Tyre Handling Tool

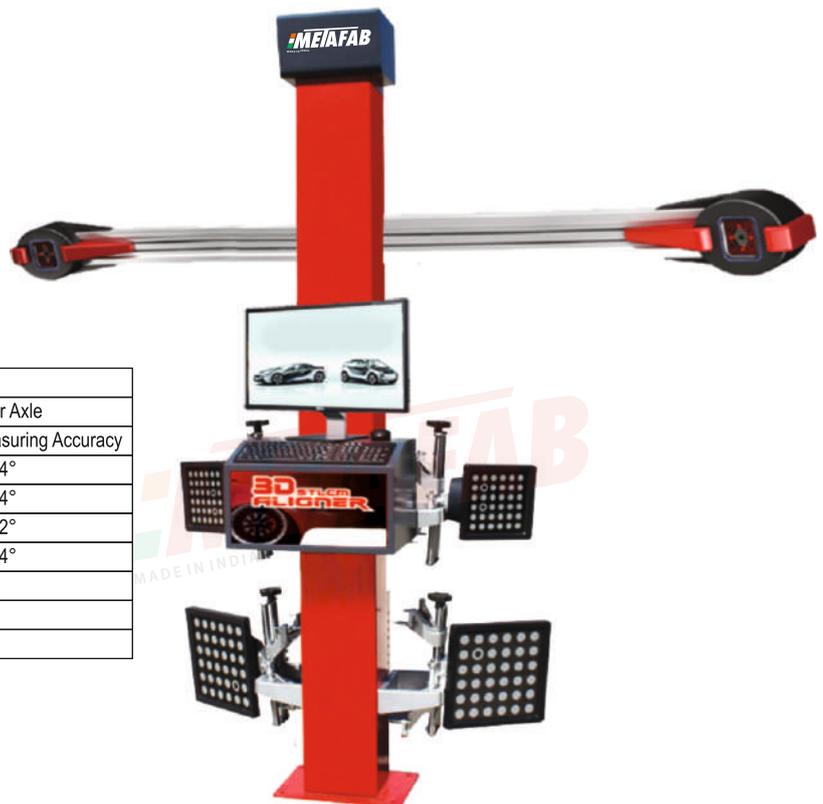
WHEEL ALIGNMENT EQUIPMENT

ME-WA-3D Wheel Alignment Machine

for Cars & LCV's

Unique Features

- Plug & Play Machine.
- 5 Mega pixels sony camera made for fast & Accurate Alignment.
- Adjustable Camera Exposure to Align super big Vehicles.
- Microsoft window XP compatibility alignment program.
- Compatible with Alignment Pit / lifts.
- Operate: Mount The Clamps-Roll Vehicle back or pull forward-Obtain all alignment readings in under Dynamic measurements without Rim compensation, the basic parameters can be done in less than 2 minutes.
- In addition to the traditional basic parameters, certain extensive functions like Steering Wheel, Single Wheel, and Vehicle lift etc.
- Chassis Align Data online facility.
- Precise measurements too can be done.
- Animated pictorial display of angles during alignment.
- Adjustment of Camber in wheel Jacked-up position & Toe curve



Technical Data for ME-WA-3D			
Item	Front Axle		Rear Axle
	Measuring Accuracy	Measuring Range	Measuring Accuracy
Toe	±0.04°	±8°	±0.04°
Individual Toe	±0.04°	±4°	±0.04°
Camber	±0.02°	±15°	±0.02°
Set Back	±0.04°	±8°	±0.04°
SAI	±0.04°	±25°	—
Caster	±0.04°	±20°	—
KPI	±0.04°	±30°	—

WHEEL ALIGNMENT EQUIPMENT

ME-WA-50

Wheel Alignment Machine

for Cars & LCV's

Unique Features

- Using 8 CCD image recognition, measurement technique.
- Wireless network can optionally transfer extension equipment.
- Sensor touch-key manipulations, personalized image-text interface.
- Mutual control of sensor and system.
- The system has self-diagnosis, self-correction and self-repair functions.
- The self-correction function can be divided into unified correction and sensor independent correction.
- The cabinet is equipped with LCD screen.
- System measurement and data transmission are of high speed and stability and super anti-jamming.
- Vehicle chassis omni-directional 360° closed measurement.
- 3D animation navigation, built-in training video course.
- Lifting machine 3D correction function.
- Equipped with electronic turntable, measure the biggest steering angle and toe-out-on-turn.

Technical Data

	Items	Accuracy	Range
Front wheel	Toe	±1'	±24°
	Camber	±1'	±10°
	Caster	±2'	±20°
	Steering Axle Inclination	±2'	±20°
	Set-Back	±1'	±10°
Rear wheel	Toe	±1'	±24°
	Camber	±1'	±10°
	Set-Back	±1'	±10°
	Thrust-Angle	±1'	±10°



ME-WA-40

Wheel Alignment Machine

for Cars & LCV's



Unique Features

- CCD infrared image recognition and measurement technology with super self-adapting ambient light.
- New generation "Zigbee" wireless communication technology for replacing outdated Bluetooth technology, with stronger networking capacity, greater reliability, lower energy-consumption and faster data transmission over longer distances.
- Mutual control between sensor head and PC mainframe, not needing operator to run back and forth.
- Multi-language guidance and instruction, simple to use.
- 3D animation navigation and training video, delivering a dazzling visual and instructional experience.

Technical Data

	Items	Accuracy	Range
Front wheel	Toe	±1'	±24°
	Camber	±1'	±10°
	Caster	±2'	±20°
	Steering Axle Inclination	±2'	±20°
	Set-Back	±1'	±10°
Rear wheel	Toe	±1'	±24°
	Camber	±1'	±10°
	Set-Back	±1'	±10°
	Thrust-Angle	±1'	±10°



WHEEL BALANCING EQUIPMENT

ME-WB-K22

Digital Wheel Balancing Machine with Motor

for Motorcycles Wheels.

Unique Features

- Universal space saving wheel balancer with excellent technical specifications combining a sturdy structure with attractive and modern design.
- K22 balances bearing type wheels, scooters wheels (hand spin), and single sided swing arm (with optional AGF adaptor set)
- Automatic Distance & Diameter Entry (2D)
- Self-Diagnosis and Self-Calibration
- Menus for quick selection of the following:
 - Ounces to grams
 - Inches to millimeters
 - unbalanced thresholds 0.1 or 0.25 ounces (1 or 5g)
- Optimization program for compensation of rim and tyre unbalance
- "Static" and "Dynamic" program
- 12-Compartment Weight Tray + Adaptors compartment

Technical Data	
Single phase power supply	115/230V - 50/60 Hz
or from battery	12-24 V DC
Max. power absorbed	800W
Balancing speed	< 80 rpm
Cycle time for average wheel (14 Kg)	6 - 8 sec.
Balancing accuracy	1 gm
Diameter setting range	1.5" - 20"
Rim width setting range	10" - 30"
Gross weight (with AF15)	84 Kg
Package dimension	880x1080x1140mm



ME-WB-MICRO

Wheel Balancing Machine

for Motorcycles Wheels.

Unique Features

- Wheel balancer TROLL 2305 model (MICRO) is designed for dynamic balancing of motorcycles wheels in one measurement cycle.
- The wheel balancer is equipped with functional adapter for majority wheels motor-cycles.
- Machine can be installed in mobile tyre service very and can be powered by battery.

Technical Data	
Measuring rotational speed	170-180 rpm
max. wheel diameter	720 mm
rim width (in axle of bearings)	220mm
accuracy of unbalance indication	1 g
wheel weight	< 60 kg
power supply	AC 230V / 50Hz
power of electric motor	80W
noise level	< 60 dB
max. overall dimensions	880x800x1400mm
net weight	60 kg



ME-WB-K8

Wheel Balancing Machine

with Microprocessor for Cars, LCV, Motorcycles & Scooter Wheels.

Unique Features

- Compact wheel balancer with a sturdy structure and a modern design.
- ALU-S balancing mode with special indicator of weight position
- Multi-functional display
- SPLIT program to hide the weight behind the spokes.
- Mechanical stationary brake with pedal.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data	
Power Supply	230 V
Max. power absorbed	800W
Balancing Speed	<100rpm
Balancing Accuracy	1g
Cycle Time	6-8 sec.
Rim Diameter	10" - 26"
Rim Width	1.5" to 20"
Max Wheel Weight	75Kg
Gross Weight	105Kg
Packing Dimension	980 x 660 x 1440mm



ME-WB-K9

Wheel Balancing Machine

for Cars, LCV, Motorcycles, Scooter & Terrain Wheels.

Unique Features

- Designed for those who require measurement with speed accuracy with minimum overall dimensions.
- Smart system for automatic measure of diameter and distance.
- Automatic repeater for the indication of the pre selected correction planes.
- SPLIT program to hide the weight behind the spokes.
- Mechanical stationary brake with pedal.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data	
Power Supply	230 V
Max. power absorbed	800W
Balancing Speed	<100rpm
Balancing Accuracy	1g
Cycle Time	6-8 sec.
Rim Diameter	10" - 26"
Rim Width	1.5" to 20"
Max Wheel Weight	75Kg
Gross Weight	105Kg
Packing Dimension	980 x 660 x 1440mm



WHEEL BALANCING EQUIPMENT

ME-WB-K10

Wheel Balancing Machine

with Microprocessor for Cars, LCV, Motorcycles, Scooter & Terrain wheels.

Unique Features:

- Fully Automatic Cycle with Self diagnosis, self calibration.
- Unbalance Visualisation in steps of 5gm or 1gm.
- Optimization programs to compensate tyre unbalance for light alloy or special shaped rims.
- Twin operator program allowing to store the dimensions of two types of wheel to service two different vehicles at the same time using the same wheel balancer.
- Split program for alloy rims with spokes, recalculating the unbalance in two nearest spokes.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data

Power Supply	230 V
Max. power absorbed	800W
Balancing Speed	<100rpm
Balancing Accuracy	1g
Cycle Time	6-8 sec.
Rim Diameter	10" - 26"
Rim Width	1.5" to 20"
Max Wheel Weight	75Kg
Packing Dimension	630 x 1040 x 1140mm



ME-WB-65

Wheel Balancing Machine

for Cars & LCV wheels.

Unique Features

- Strengthened body structure increase the stability.
- Manual input of wheel width diameter & distance.
- Built in 3 balancing modes for different rims.
- OPT program to optimized function.
- Removable spindle prolongs service life.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data

Power Supply	220V, 50Hz, 1ph.
Max. power adsorbed	0.25kw
Balancing speed	180 rpm
Cycle time	8s
Rim diameter	10"-24"
Rim width	1.5"-20"
Gross Weight	160 kg



ME-WB-100

Wheel Balancing Machine

for Cars & LCV wheels.



ME-WB-200

Automatic Wheel Balancing Machine

for Cars & LCV wheels.

Unique Features

- Strengthened body structure increases the stability.
- Manual input of wheel width diameter & distance.
- Built in 3 balancing modes for different rims.
- OPT program to optimized function.
- Removable spindle prolongs service life.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data	WB100	WB200
Key Feature	Manual input of wheel width, diameter & distance.	Automatic Measurement of wheel diameter & distance. Manual input of wheel width.
Power Supply	220V, 50Hz, 1 ph.	220V, 50Hz, 1 ph.
Max. power absorbed	0.25 kw	0.25 kw
Balancing Speed	180rpm	310rpm
Cycle Time	8s	7s
Rim Diameter	12" - 24"	8" - 24"
Rim Width	1.5" - 20"	1.5" - 20"
Gross Weight	160Kg	129Kg
Packing Dimension	900x750x1120(mm)	900x750x1120(mm)



WHEEL BALANCING EQUIPMENT

ME-WB-300

Wheel Balancing Machine

for Cars & LCV wheels.

Unique Features

- Using import computer package and most advanced electric drive system.
- High strength plastic hood, in conformity with national safety operation standard. (Optional)
- In case of emergency situation, Press "stop" key to stop the machine.
- With OPT function, optimize the matching of tyre and rim
- Mm/inch, British system and G/Oz transformation.
- Many kinds of balancing mode.
- Balancing precision $\pm 1g$.
- Failure diagnosis and self-calibration function.
- HID function. to divide the balance weight and hide behind the spoke in a non-visible position.
- 2D system, automatically input A and D value.
- 3D system, automatically input A,D and W value. (Optional)
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data	
Max. Wheel weight	65KG
Power Supply	110v/220v/-1ph
Motor Power	0.25kw
Balancing precision	$\pm 1g$
Balancing Speed	180rpm
Max.Rim Dia.	12-24"
Max.Wheel Dia.	960mm
Max.whee Width	1.5-20"
Balancing cycle	7s
NW.KG	110



ME-WB-ER-60

New Digital Professional Balancing Machine

for Cars, LCV, Motorcycles, Scooter & Terrain wheels.

Unique Features

- Easy to use with great results in both design and style.
- Electromagnetic brake to lock the wheel in the correct position.
- Automatic gauge for diameter and distance measurements of rims upto 28".
- Laser Spotter : For the correct inside positioning of the weights.
- Multi functional display.
- All programs useful for the professional : SPLIT, OPT, ALU.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data	
Single phase power supply	115/230V 50/60Hz
Max. absorbed power	0.15 KW
Balancing speed	100 rpm
Rim width setting range	1.5" - 20"
Rim diameter setting range	10" - 30"
Air pressure	8-10 Bar
Max. wheel weight	< 75 kg
Machine weight	220kg



ME-WB-ER-70SE

Professional Wheel Balancer with Touch Screen Video

for Cars & LCV wheels

Unique Features

- Easy to use with great results in both design and style.
- Touch Screen
- Led light to illuminate the working space inside the rim.
- Electromagnetic brake to lock the wheel in the correct position.
- Laser Spotter : For the correct inside positioning of the weights.
- Automatic gauge for diameter and distance measurements of rims upto 28".
- Locking of the gauge in the correct position for the ALU correction.
- All programs useful for the professional: SPLIT, OPT, ALU.
- Available in two versions: manual locking and pneumatic locking.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data	
Single phase power supply	115/230V 50/60Hz
Max. absorbed power	0.15 KW
Balancing speed	100 rpm
Rim width setting range	1.5" - 20"
Rim diameter setting range	10" - 30"
Air pressure	8-10 Bar
Max. wheel weight	< 75 kg
Machine weight	220kg



WHEEL BALANCING EQUIPMENT

ME-WB-ER-85-SE

New-Video touch screen Professional balancing machine

for Cars & LCV wheels

Unique Features

- Multi-user icon selectable on the touch screen.
- Automatic gauge for diameter and distance measurements of rims upto 28".
- Electromagnetic brake to lock the wheel in the correct position.
- Laser Spotter : For the correct inside positioning of the weights.
- Led light to illuminate the working space inside the rim.
- All programs useful for the professional : SPLIT, OPT, ALU.
- Automatic measure of width and eccentricity by Sonar.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data	
Single phase power supply	115/230V 50/60Hz
Max. absorbed power	0.15 KW
Balancing speed	100 rpm
Rim width setting range	1.5" - 20"
Rim diameter setting range	10" - 30"
Air pressure	8-10 Bar
Max. wheel weight	< 75 kg
Machine weight	220kg



ME-WB-ER-90-SE

Touch less fully automatic Professional balancing machine

for Cars & LCV wheels

Unique Features

- Video touch screen reinforced with multi user selectable icon
- Pneumatic lock of the wheel (CEMB patent)
- Automatic gauge for diameter and distance measurements of rims upto 28".
- Electromagnetic brake to lock the wheel in the correct position.
- Side Laser : indicator line laser in the top of the wheel to facilitate the application of the weights to peg in the exact position.
- Laser Spotter : For the correct inside positioning of the weights.
- Led light to illuminate the working space inside the rim.
- All programs useful for the professional : SPLIT, OPT, ALU.
- Automatic measure of width and eccentricity by Sonar.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data	
Single phase power supply	115/230V 50/60Hz
Max. absorbed power	0.15 KW
Balancing speed	100 rpm
Rim width setting range	1.5" - 20"
Rim diameter setting range	10" - 30"
Air pressure	8-10 Bar
Max. wheel weight	< 75 kg
Machine weight	220kg



ME-WB-ER-100

Professional Wheel Balancing Machine & Diagnostics

for Cars & LCV wheels

Unique Features

- 6 seconds Wheel Balancing with this Top range fully automatic wheel balancer & diagnostic center.
- New ergonomic design with WBA - "wide space to work inside the rim" with TFT Touch screen.
- Automatic wheel measurement by laser in a very fast single spin.
- Automatic brake and weight positioning with laser spot with Led light to illuminate inside the rim.
- Zero weight lift for eliminating the wheel weight during mounting & demounting & improves centering precision.
- Conicity measurement. (Tread Depth).
- Rim and Tyre eccentricity Measurement.
- External Clamping Kit for motorcycle tyres available. Refer accessories section.

Technical Data	
Single phase power supply	115/230V 50/60Hz
Max. absorbed power	0.15 KW
Balancing speed	100 rpm
Rim width setting range	1.5" - 20"
Rim diameter setting range	10" - 30"
Air pressure	8-10 Bar
Max. wheel weight	< 75 kg
Machine weight	220kg



TYRE CHANGING EQUIPMENT

ME-TC-405

Tyre Changer
for Passenger Car Tyres.

Unique Features

- Rigid Structure provides stability to the machine.
- Semi-automatic, suitable for passenger car tyres. Motorcycle Tyres - Optional
- Cross type 22" square turntable increases working coverage.
- Equipped with high power motor, which increases tyre changer working efficiency.

Technical Data For Cars	
Motor power	0.75kw
Power supply	220V/50Hz/1Phase
Max. wheel diameter	41"(1040mm)
Max. wheel width	14"(355mm)
Outside clamping	10"-19"
Inside clamping	12"-22"
Air supply	8bar
Bead breaker force	2500kg
Weight	190/167kg
Package size(main body)	960x760x880mm



ME-TC-505

Tyre Changer
for Cars & Motorcycle Tyres.

Unique Features

- The sliding jaw block makes it have wider working scope for the rim of car and motorcycle.
- Wider working scope from 9" to 22" as fitted with special sliding block.
- Quilted plastic insert on mount demount tool which protects scratch on alloy rims.
- By adjusting micro manipulator control knob the distance between rim and tool is achieved for better grip and avoids damage of rim.

Technical Data for Car Tyres	
Power Voltage	220V, 50Hz, 1ph
Operating pressure	8 - 10 bar
Motor Power	1.1 Kw
Rim Clamping Outside	11" to 20"
Rim Clamping Inside	12" to 22"
Max wheel Diameter	38"
Rim width	3"-12"
Bead breaking Force	2500Kg



ME-TC-905

Run Flat Tyre Changer
for Cars & LCV Tyres

Unique Features

- Tilt back tyre changer for handling RFT (profile) tyres.
- Equipped with Auto-helper vertical post tilt back for easy adaptability. Pull and push arm with pneumatic locking design.
- Tool for RFT(profile) tyres to avoid damage to rim and tyre (Optional)
- Bead-breaker blade tool moves with inside rim contour to avoid damage to bead.
- Aluminium - alloy valve bodies with durable corrosion resistant
- stainless-steel valve rod

Technical Data	
Power Voltage	220V/380 V
Operating pressure	0.7-0.8MPa
Motor Power	1.5/1.1 KW
Average Rotate speed	6.8rpm
Rim Clamping Outside	11" to 22"
Max wheel Diameter	42"
Max wheel width	4"-15"
Gross Weight	350kg
Packing Dimension	1150 x 1000 x 960mm



TYRE INFLATOR/DEFLATOR

DIGITAL TYRE INFLATOR

Automatic Tyre Inflator For Bikes/Cars/Trucks/ Buses

TECHNICAL SPECIFICATIONS

- Designed for petrol pumps and service centres.
- Large backlit 1" Dual LCD Displays.
- Soft touch membrane keypad.
- Automatic Tyre Detection.
- Automatic filling speed adjustment using intelligent software ensures fast inflation.
- Safe with self diagnostics and always confirms a high setpoint to avoid wrong setpoint entry.
- Selection for PSI and Bar.
- Has range upto 150 psi, makes it suitable for all vehicles including light trucks.
- Designed for petrol pumps and service centres.
- Extremely rugged and reliable design.
- Large backlit 1" LED Display.
- Range upto 150 psi, makes it suitable for all vehicles including heavy trucks.

Has range upto 230 PSI make Suitable for heavy trucks also.



ME-DTI-01

TYRE INFLATION GUN

FEATURES

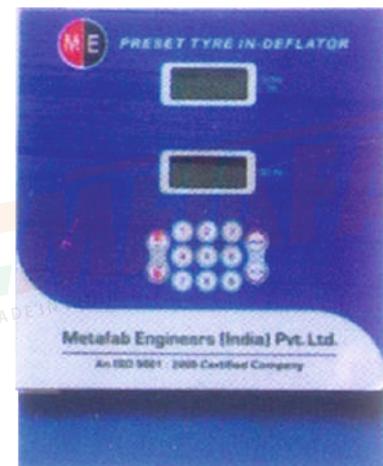
1. Accurate pressure check. Digital LCD display for easy reading.
2. Ergonomically designed, light weight, comforting plastic handle.
3. Low battery warning light.
4. Auto zero and calibration
5. Back Light, for easy readability
6. Unit measurement are available for PSI, BAR, Kpa, Kgf.
7. Auto Switching
8. High precision pressure sensor.
9. More than 50000 duty cycle life.

KEY BENEFITS :

To be used in combination with a Tyre Changer; it reduce the duty cycle. High versatility - it adds flexibility. Accurate tyre inflation contributes to reduced tyre wear and increased passenger comfort.



ME-DTI - 02



ME-DTI - 03



ME-DTI - 04

NITROGEN GENERATOR

N2 - 20L



ME-NG



About Nitrogen Tyre Inflation

One of the tyre's primary tasks is to carry the weight of the vehicle, but actually the load is carried by the pressure in the tyre. Hence correct tyre inflation is very important to ensure appropriate load carrying capacity & enhance tyres performance, durability which contributes to give better fuel mileage.

Nitrogen is a "slow" inactive gas labeled as inert gas due to its nonreactive nature with much material. Oxygen on other side is a "fast" active gas that reacts with many materials & the reaction is called as "Oxidation". More over N2 is a dry gas that doesn't support moisture while oxygen combined with hydrogen forms water H2O.

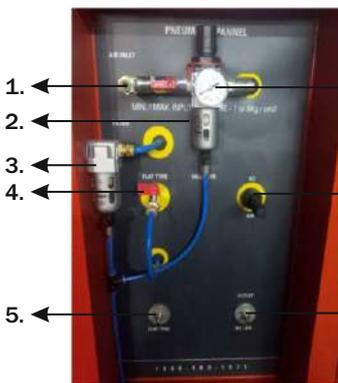
This property of Nitrogen makes it very useful for the purpose of tyre inflation & hence these days Nitrogen tyre inflation is gaining popularity.

Benefits of Nitrogen

Nitrogen reduces the loss of the tyre pressure due to permeation through rubber overtime by about 1/3. This helps to maintain tyre pressure for a longer period in comparison to Normal Air.

Nitrogen is non-corrosive & will reduce the oxidation & rust due to absence of oxygen & moisture which interns minimise the wheel corrosion & provide better bead sealing. Also this will increase the life of tyres.

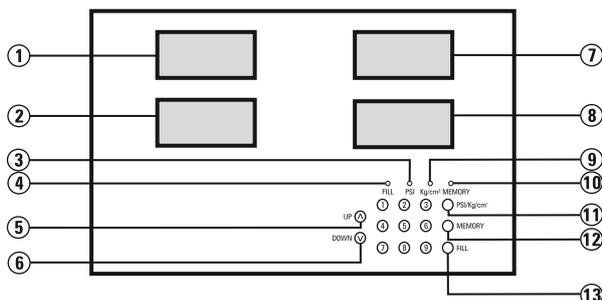
Nitrogen assures more consistent pressure even on high temperature specially during racing times & in peak summer times & hence gives better suspension which in turn gives better driving comfort & mileage.



1. Simulative N2 Purity
2. Counter
3. PSI Indicator
4. Fill Indicator
5. UP Key
6. Down Key
7. Tyre Pressure
8. Set Pressure
9. Bar Indicator
10. Memory Indicator
11. PSI / Kg/cm2
12. Memory
13. Fill

PNEUMATIC PANEL

1. Air Inlet
2. Inline FR
3. Filter
4. Outlet for Flat Tyre
5. Inline Pressure Gauge
6. Selector Valve
8. Outlet N2 / Air



TECHNICAL DATA	
Power Supply	200-220 AC/50-60Hz/S Phase
Power	80 Watt
Nitrogen Purity	95-99.5%
Compressed Air Input Range	7-8 Kg/CM2
Nitrogen Storage Tank	20 Ltrs
Nitrogen Output	50L/minute@7-8 Kg CM2
Operation Temp.	-20 Deg. to 70 Deg C
Accuracy	+0.5PSI
Display Mode	LCD
Dimension	1430 (H) x 650 (L) x 550 (W) mm
Net Weight	120 Kg

FEATURES OF NITROGEN GENERATOR	
Digital Tyre Counter	Can Monitor No. of Tyres Filled With N2
Chemical Changed	Better Life so now it can be replaced only after 20000 or 2 years
5 Micron Additional Sensor Filter	Increase Life of Micro Sensor
Pre-set Tyre Pressure Gauge with Programmable key option	Can set separate tyre pressure in 10 channel provided
Air Suction Value	Can evacuate the air present in the tyre quickly

TYRE REPAIR TOOL



Wheel Balancer



Wheel Balancer

Functional gauges for all checks - of parallelism axially, alignment, leakage testing etc. can be designed and manufactured.

This is the very simple design static wheel balance design to balance the alloy wheel and the motor bike also it act like a rear wheel stand for big bikes.

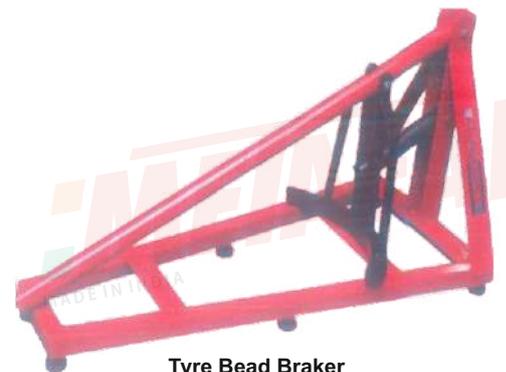


Tyre Bead Braker



Distortion checking gauges
Handle Bar and Front
Shocker Stem

Engineered to perfection these special jigs & Fixtures make your bike perfectly engineered.



Tyre Bead Braker

TYRE REPAIR TOOL



Portable Safety Cage



Bench Tyre Spreader



Heavy Duty Bench Tyre Spreader



Adaptor for Impact Sockets



Heavy Duty Deep Impact Sockets



Tyre Bead Holding Tool



Short Plastic Protective Sleeve For Tyre Lever



Cross Wheel Braca



Pistol Grip Handle with Allen Key

TYRE REPAIR TOOL



"T" Handle 4" long Stem



Spiral Comenting Tools



Open Eye Needle 2" Long PG Handle



Air Drill with Jacobs Chuck



Coneset for Wheel Balancer



Plastic Head For Tyre Changer



Metal Head For Tyre Changer



Plastic Jaw Covers For Tyre Changer

TYRE REPAIR TOOL



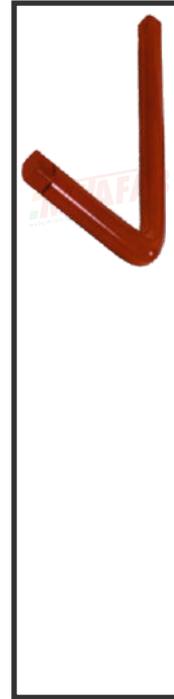
Wheel Mount / Demount Bar



Heavy Duty Extension Bar



Truck Heavy Duty Wheel Braces



1* Square Drive Wheel Braces



Heavy Duty Extension Bar (200mm)



Heavy Duty Extension Bar (300mm)



Flat Tyre Lever CV 24* Long



Wheel Cap Remover Tool



Metal "T" Handle with Allen Key



Replacement Needle



Screw Driver Handle

TYRE REPAIR TOOL



Stitcher Cum Buffer



Stitcher Ball Bearing /50



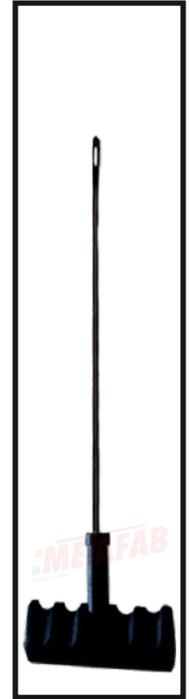
Stitcher Ball Bearing /38



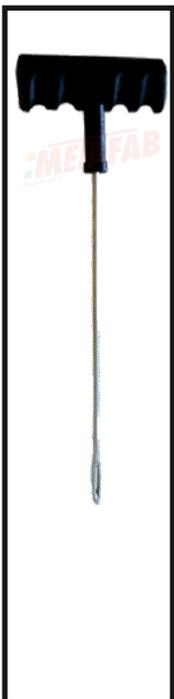
Blade Style Inner Liner Scraper



Hoe Style Inner Liner Scraper



"T" Handle with 7" Long



"T" Handle with 8" Long Stem



Pistol Grip Handle 7" Long



"T" Handle with 6" Long Stem



Wheel Weight Piter



Wheel Wight Remover Tools



Magnetic Tool

BODY SHOP EQUIPMENTS

- Paint Booth
- Infrared Lamps
- Painting & Repairing Stand
- Paint Mixer

PAINT BOOTH



ME-PB



FEATURES

1. Inside Dimension L X W X H (m)
2. Outside Dimension L X W X H (m)
3. Main Doors - No., W X H (m)
4. Access Door - No. W X H (m)
5. Wall Panel Construction
6. Base & Floor Construction
7. Lighting
8. Generator Setting Type
9. Intake Fan
10. Exhaust Fan
11. Heating System
12. Filter System
13. Control System
14. Total Power (kw)

SPECIFICATIONS

- 7.2 x 3.9 x 2.7
- 7.34 x 5.35 x 3.47
- 3, 3 x 2.65, Aluminum Alloy Door Frame.
- 1, 0.8 x 2
- EPS Insulated, Tongue & Groove Interlock Construction, Thickness - 70mm, Roof - 60mm.
- Steel Fabricated, 3pcs. Ramp.
- Upper Inclined Lights 8 x 4pcs., 36w each, Lower Lights 10 x 2pcs., 36w each, Vertical Installation.
- Back Upper Intake Air, Back Upper Exhaust Air, Aluminum Alloy Frame.
- 1 Centrifugal Fan, 7.5 kw motor capacity 25,000 m³/h.
- 1 Centrifugal Fan, 7.5 kw motor capacity 25,000 m³/h.
- Riello Rg55 Oil Burner, 260,000kcal, Stainless, Steel Heat Exchanger, Max. Temp. 80°C, Electric Damper.
- Prefilter, High Efficiency Ceiling Filter, Floor Filter, Exhaust Filter.
- Spraying, High Temperature Spraying, Baking Temperature, Time Setting, Hour Meter, Pressure Gauge, Temperature Control Meter Lighting Switch, Failure Alarm, Emergency Stop.
- 17.5kw

MIXING MACHINE



Back storage

Work surface

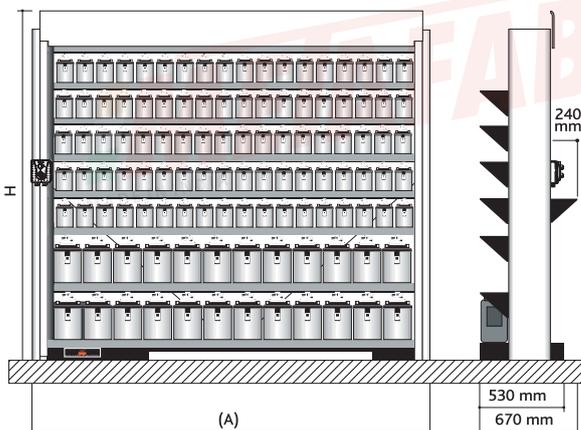


Snap on platforms for 1 Liter cans

Compact packaging

HOUSE YOUR PAINT LINE IN THE WORLD'S MOST COMPACT MIXING MACHINE

- Patented Quick-Link technology the most trusted and widely used in the world.
- Designed for greater flexibility (accommodates up to 8 mixing and/or storage shelves = 144 x1 Liter can).
- Improved durability.
- Fast and effortless handling of paint cans even while the machine is running.
- Cans stay properly engaged with driving mechanism for greater reliability.
- Aluzinc surfaces for fast easy cleaning.
- Wide range of choices for both solvent and waterborne applications: 3 models available (100, 150 and 220).
- Easy and fast assembly: it takes only 20'!
- Reduced shipping costs: compact packaging for one machine (stackable pallet) on demand.
- Global Support: guaranteed reliability, quality and worldwide support.



ME-MM

ELECTRICAL SPECIFICATIONS

- Single phase motor 0,75 kW - 230 V – 50/60 Hz
Standard IP 54 or explosion proof (ATEX or IECEX).
Other voltage upon request.
- Electronic control box including timer (15' cycle).

OPTIONS

- Back storage shelves.
- Work surface.
- Snap on platforms for 1 Liter cans (set of 6).
- Custom header board (screen-printed) to promote your brand or company.
- Side housing.
- Pre-set control box (2 x 15' cycle).
- Upper mixing shelf extension retrofitting kit.

(A) OVERALL MAX LENGTH

(A) TYPE	100	150	220
without side housing	1155	1620	2320
with side housing	1195	1660	2360

(H) = 2020 mm - 2230 mm - 2440 mm (depends on maximum configuration)

MIXING POSITIONS PER SHELF

CAN SIZE	TYPE 100	TYPE 150	TYPE 220
1L Ø 107 up to 116	8	12	18
2,5L up to 4L Ø 140 up to 172*	5	8	12
4L up to 5L Ø 172 up to 182**	5	7	11

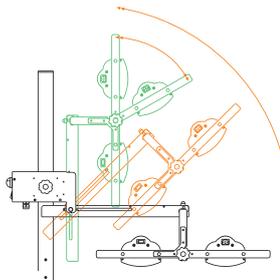
*without handle **166 up to 172 with handle

INFRARED LAMP

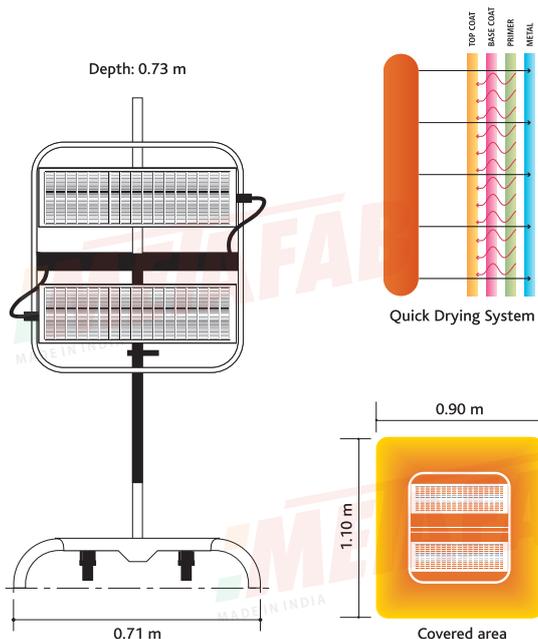


ME-IL-01

- Concentrated heating power:**
Speeds up the repair process.
- Fast, even drying over large areas:**
Door, wing.
- Ergonomic, comfortable to use;**
Easily moved in the workshop.
- Versatile:**
Heater rails can be adjusted and positioned for vertical, horizontal and angled surfaces.
- Value-for-money performance.**



Outstanding modularity.
Adjusting and angling to dry any shape or contour.



HELIOS 2200

Power	2200 W 230 V~ 10 A
Lamps	2 anti-glare, short-wave 1100 W infrared lamps
Programming	30-minute timer switch
Heating height	From 0.20 to 1.95 m
Drying surface	1.10 x 0.90 m
Drying distance	0.60 m vertically, 0.80 m horizontally
Weight	Total weight: 23 kg

HELIOS 3200

Power	3200 W 230 V~ 14 A
Lamps	4 anti-glare, short-wave 1100 W infrared lamps
Programming	30-minute timer switch
Heating height	From 0.20 to 1.95 m
Drying surface	1.10 x 0.90 m
Drying distance	0.60 m vertically, 0.80 m horizontally
Weight	Total weight: 23 kg

INFRARED LAMP

Shortwave infrared is different from middle and long wave infrared and its wavelength has deep penetrating effect into the paint layer. This makes the substrate (vehicle body) heat up quickly and by domino effect the moisture (or solvent) of the paint layer will quickly evaporate. When molecular frequencies of the paint constituents are same, chemical bonding of the constituents will increase. Consequently faster aggregation and solidification of the paint layer will take place. Hardness of the paint layer will achieve fast with strong adhesion. Phenomena like orange peel and paint flow are rare. Overall rework is avoided thus saving cost and improving efficiency.

FEATURES of ME-IL-3

1. Made from aluminum alloy, bright stainless steel and other special materials.
2. Optionally equipped with Philips or Vpower 21' quartz short wave infrared light tubes.
3. Full-automatic with LCD digital electric timer.
4. Pneumatic lift, turning by 360°, independent switch.
5. Single phase 220v 5/10A, 50Hz, Single tube 1100W, Double tubes 2200W.
6. Adjustable pulse ultrasonic paint baking system.
7. Temperature controller, temperature range - 40°C - 75°C
8. Banking area 1200 x 1000mm
9. Time setting range : 0 min. - 60 min

PAINT CURING COMMON PROBLEM

1. High energy cost.
2. Long baking time.
3. Shallow baking causing poor adhesion.
4. Dust ingress.
5. Moisture, Fog.

NEW SOLUTION METHOD

1. Reduce energy cost by 75%
2. Maximum baking time 20 minutes.
3. Deep penetration upto metal substrate
4. Short baking cycle reduces dust ingress.
5. Complete baking removes moisture.
6. Preheat function will prevent moisture and mist.



ME-IL-02



MULTI-PANEL PAINT STANDS



Door-Fender Stand

1. Securely holds fenders and doors in any combination
2. Complete paint coverage inside and out
3. Easily adjusts to perfect working height
4. Eliminates missed edges
5. Mount parts in the same positions as on the vehicle for best color and texture match

1. Wide stance adds uncompromised stability whether painting one panel or two
2. Protective rubber boots keep critical areas free of overspray
3. 4 industrial-grade Total-Lock caster wheels for stable mobility; zero movement when locked
4. Durable powder-coat finish
5. Three-year warranty
6. 32 W x 32 D x 40 H



MULTI-PANEL PAINT STANDS

Hook or Pin

The Sliding Hook can quickly pin through a bolt hole or the V-Design will securely hook and hold the edge of any door or fender.



ME-MPS - 02



4 Total-lock wheels provide zero movement with the touch of toe

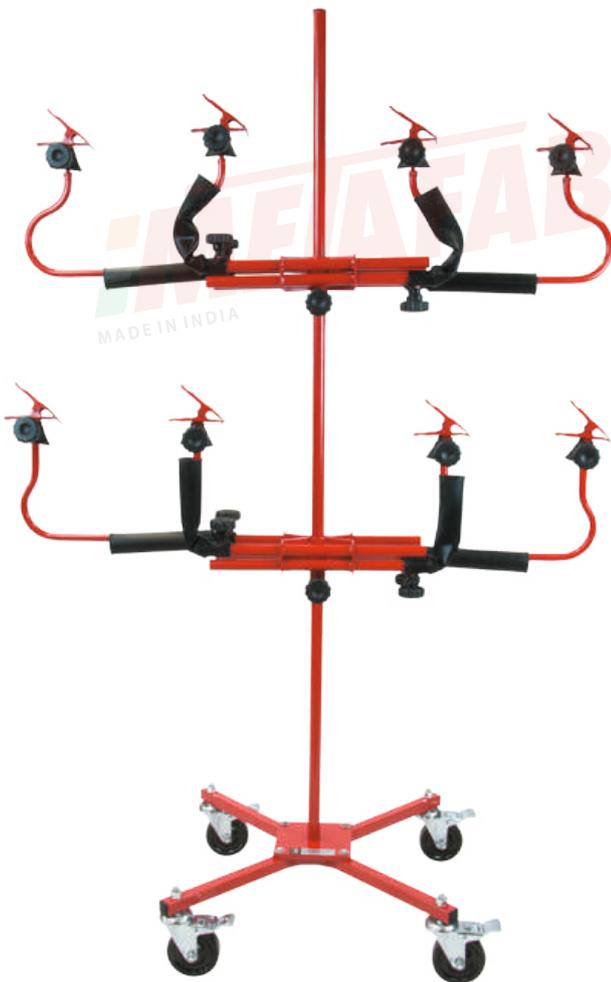
Pinch or Pin

The Swivel Clamp Arm gives you the option to pinch an edge or pin through a bolt hole. They easily adjust and securely hold almost any door or fenderl.



MULTI-PARTS PAINT STANDS

**THE METAFAB OCTOPUS,
First in Flexibility, Reliability,
Durability, Efficiency**



ME-MPS - 03



MULTI-PANEL PAINT STANDS

**EVER NEED AN EXTRA HAND
IN THE PAINT BOOTH**

HOW ABOUT EIGHT!



ME-MPS-04

Octopus

- Securely holds small parts such as moldings, flares, fuel doors, etc.
- Easily adjusts to perfect working height
- Eliminates missed edges
- Mount parts in the same position as on the vehicle for best color & texture match
- Protective rubber boots keep critical areas free of overspray
- 4 industrial-grade, total-lock caster wheels for stable mobility; zero movement when locked
- Durable powder-coat finish
- Three-Year Warranty
- 24 W x 24 D x 70 H
- Support arms adjustment 13 W - 44 W



> 4 Total-lock wheels provide zero movement with the touch of a toe

PAINT & REPAIR STANDS



ME-PRS - 01

METAFAB ULTRARACK

New Ultra Rack Features for 2016

- New center support hook for hood latch mounting (see UltraRack on front cover)
- Longer support arms to fit wider panels
- Shorter T-Frames accommodate smaller panels
- New tapered support arm hooks allow easier and quicker panel mounting and can handle today's smaller panel holes
- Center support safety pin

All Innovation Paint Racks mount parts in the same position as on the vehicle for best color & texture match



PAINT & REPAIR STANDS

“We had two other brands of painting racks in our shop. Once we bought a couple of UltraRacks, it was hard to get anyone to use the others any more. This rack is five stars in my book.”

NEW! Wider Wheels

Avoid getting stuck in spray booth floor grates

- Efficient single-hand operation allows you to spray both sides without setting your spray gun down



- Seven locking positions mimic the part's position on the vehicle for a better color and texture match



METAFAB Ultra Rack Part # URPS

- Holds hoods, tailgates, doors, lift gates, deck lids, cargo doors and fenders
- Efficient single-hand operation, uninterrupted spraying
- Complete paint coverage inside and out
- Seven locking positions mimic the part's position on the vehicle for a seamless match
- Complete system – no accessories needed to buy
- Rotates panel 90 degrees to ensure proper paint coverage every time
- Protective rubber boots keep critical areas free of overspray
- 4 industrial-grade, total-lock caster wheels for stable mobility; zero movement when locked
- Durable powder-coat finish
- 32 W x 32 D x 54 H
- Support arms adjustments
15 W – 64 W x 12 H x 56 H



PAINT & REPAIR STANDS

RELIABLE : DURABLE : EFFICIENT : GUARANTEED



Pinch or Pin

The Innovative Swivel Clamp arm gives you the option to pinch an edge or pin through a screw hole.

ME-PRS - 03

NEW! Wider Wheels

Avoid getting stuck in spray booth floor grates



4x1.5 Total-lock wheels provide zero movement with the touch of a toe



Nestable Storage

ME-PRS - 04

PAINT & REPAIR STANDS

Super Stand

- Holds most plastic bumper covers securely without touching the painted surface
- Makes repairs, prep and painting faster and easier
- Cover can be rotated 90 degrees to ensure proper paint coverage time after time
- Five locking positions for a perfect angle every time
- Protective rubber boots keep critical areas overspray-free
- 4 industrial-grade, total-lock caster wheels for stable mobility; zero movement when locked
- Durable powder-coat finish withstands heat and rough handling
- 44 W x 30 D x 53 H

Optional Mirror-Spoiler Kit

- Holds most mirrors or spoilers securely without touching the painted surface
- Paint mirrors or spoilers at any angle to ensure proper paint coverage every time
- Changes out in seconds
- Durable finish

Replacement Swivel Clamp Support Arm Kit Includes :

- 1 Right swivel clamp support arm
- 1 Left swivel clamp support arm
- 2 Plastic hand knobs
- 2 Rubber sleeves
- 2 Ball socket boots
- No assembly required



Mirror-Spoiler Kit
Part # SMK



Replacement Support Arm Kit
Part # SAS

BUMPER & PANEL STORAGE

Panel-Cart

- Industry's only panel cart that folds up & stays up when not in use
- Holds up to six large panels and glass
- Extensive rubber & foam padding – no metal-on-metal contact; no damage
- Can be used as whole or half unit
- Sixteen posts and twenty-six post settings for custom adjustment
- Support posts store with the cart
- 4 Industrial grade, easy-glide total-lock caster wheels for stable mobility; zero movement when locked
- Folds to store in only 2 square feet of floor space
- Durable powder-coat finish withstands rough handling
- Lifetime Warranty



Folded for Half-usage mode



BUMPER & PANEL STORAGE

OF YOUR BUMPER & PANEL STORAGE



ME-BPS-02

Mobile Bumper Storage

- Holds 8 large bumper covers
- Totally adjustable support arms put big bumper covers in their place & saves space
- Support arms adjust in seconds to customise your storage needs
- Eight extra-long arms for oversized bumper covers
- Patented high-carbon, heat-treated steel brackets stands up to heavy loads
- 4 locking wheels for easy mobility
- Durable powder-coat finish, stands up to rough handling
- Lifetime Warranty
- Support arms adjust every 3
- 41 W x 37 D x 85 H

- Includes:
- Eight 23 Support arms
 - Eight 18 Support arms

- Includes:
- Four Mounting Rails
 - Twelve 23 Support arms
 - Mounting Hardware



Folds down flat when not in use

Wall Bumper Storage

- Holds 6 large bumper covers
- Totally adjustable wall racking system puts big bumper covers in their place & saves space
- Support arms adjust in 3 increments to accommodate large and small bumpers
- Support arms fold down when not in use
- Patented high-carbon, heat-treated steel brackets stands up to heavy loads
- Can be mounted top-bottom (shown below) or side-by-side
- Durable powder-coat finish withstands rough handling
- Lifetime Warranty
- 39 W x 23 D x 41 H – 82 H



One Innovative Wall Bumper holds 6 bumpers (as shown)

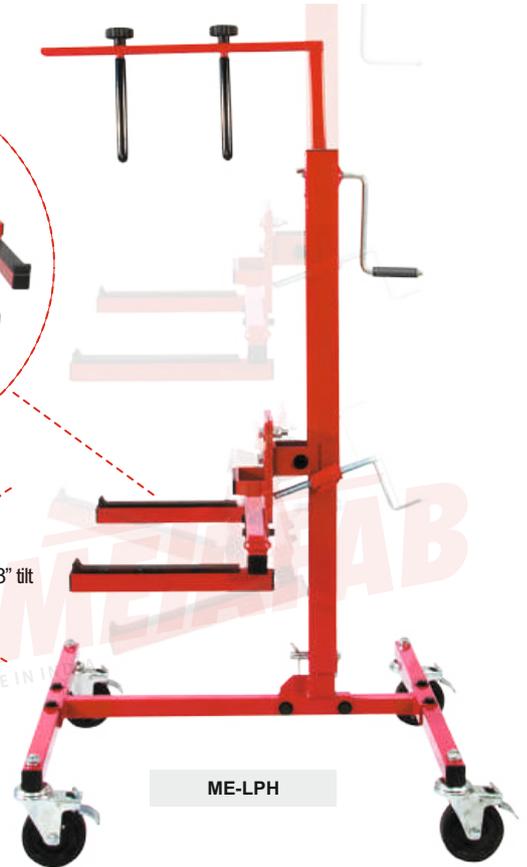
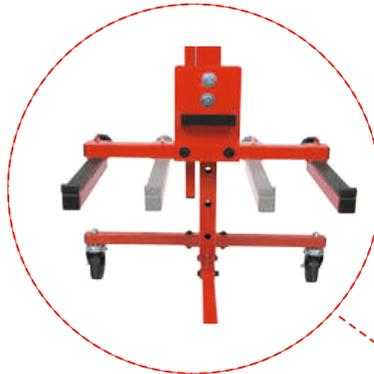


LARGE PART HANDLING

ALLOWS ONE TECH TO DO THE JOB OF TWO



Support Pad adjustment ranges from 8-20



8" tilt

ME-LPH

Support tubes can be inverted for large doors



Total-lock wheels provide zero movement with the touch of a toe



Door-Jack

- Now one tech can handle truck bumpers and doors alone
- Ample padding, no metal-on-metal contact, no damage
- Industry's only 8 front-to-back tilting adjustment
- Side-to-side tilt adjustment for easier door removal & installation
- Wide stance adds uncompromised stability
- 4 industrial grade, easy-glide Total-lock caster wheels for stable mobility; zero movement when locked
- Support Pads adjust from 7 to 32 from the floor
- Heavy gauge steel construction
- Durable powder-coat finish
- Lifetime warranty

X-STAND

HELPS PREVENT BACK INJURY AND FATIGUE



X-Stand

- The industry's ONLY scissor stand with vertical adjustability allows a comfortable work level for techs; helps prevent back injury and fatigue
- Accommodates panels of various widths and sizes, perfect for door skin repair
- Total flexibility; fits any repair, paint or storage job – including glass
- Vertical and horizontal adjustability
- 4 industrial grade, total lock caster wheels for stable mobility; zero movement when locked
- Durable powder-coat finish
- Three-Year Warranty
- 30 W x 28 D x 37 H
- Support arms adjustment: 14 W – 30 W & 37 H – 44 H

MULTIFUNCTION STAND

Modular:

- ➔ Thanks to its adjustable feet and its two-point central support, the multifunction trestle is modular and polyvalent. It easily adapts to different sizes of parts to be carried (windscreen, bumper, rocker, ...).

Positions :

- ➔ **Position H:** trestle adjustable in height to facilitate the preparation operations like sanding, drilling, painting. A removal openwork table adaptable on the trestle to facilitate the painting of small parts (rear-view mirror, ...).
- ➔ **Position I:** the central bar can be adjusted in length and is fitted with a two-point central support that perfectly maintains the parts (shield, ...) It also allows to adapt different parts thanks to its 2 adjustable points completely independent from each other.
- ➔ **Easy to use:** handling and settings are really simple.
- ➔ **Optimized working conditions:** the openwork table is adjustable in height to allow the best comfort to the user.
- ➔ **Strong:** made of galvanized steel, covered with an epoxy paint, the multifunction trestle is of a staunch robustness and easy to maintain.
- ➔ Microcellular and shockproof foam supports allow to work parts that require more attention and guarantee their stability.
- ➔ **Maximum weight** : 50kg
- ➔ **Trestle sizes:**

MULTIFUNCTION TRESTLE

ME-MS

Position I



Position H



Two-point central support

OIL MANAGEMENT SYSTEM

- Oil Chamber Cleaning
- Waste Oil Drain
- Electric Drum Pump
- Portable Greasing System
- Lever Greasing Gun
- Bucket Grease Pump

WASTE OIL COLLECTOR

LOW PROFILE TRUCK DRAIN



CAT NR.	DESCRIPTION	LENGHT		WIDTH		HEIGHT		BOX QTY.
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	
TD/68G	Gravity Oil Drain	1065	42.92	560	36	190	7-1/2	1
TD/68P	Oil Drain with Manual Rotary Pump	1065	42.92	560	36	190	7-1/2	1

- Designed for use with heavy-duty trucks, buses & other low profile automobiles
- Rugged steel construction makes these ideal for use in heavy duty repair shops
- With a 7-1/2" (190 mm) ground clearance, this drain fits under most automobiles
- 36" (915 mm) long T handle makes drain easy to position under the vehicle
- Drain capacity: 68 litres
- Available in a choice of gravity version or fitted with manual rotary pump for pumping out used oil

ME-WOC

Vacuum Base Oil Chamber Cleaning Machine



This machine is very useful for increasing the life of Engine as oil changes through suction .

Practically in case, we remove the used oil from motorbike engine a lot of impurities & approx 80 to 100 ml of oil does not drain hence when fresh oil is pour in it gets mixed with the used oil & the fresh oil also gets adulated at the time of top up only .

ME-OCCM

TECHNICAL SPECIFICATION OF MULTI FUNCTIONAL F-326

Model	Multi-functional F-326
Applicable For	2 Wheelers, 4 Wheelers
Features	1. Oil Chamber Clean 2W4W 2. Engine Flush 2W
Digital Display	YES
Sensor with Auto Cut Off Unit	YES
VACUUM APPARATUS	
Vacuum Type	Double Stage 2.0 CFM
Buzzer Alarm (When Tank is Full)	YES
Vacuum Stored in Advanced	YES
Waste Oil Level Indicator	YES
Integrated Top And Bottom Suction	80% Top Suction For 2W Balance 20% From Bottom or 100% From Bottom
Sensors	YES
Non-Return Fluid Valve	YES
PHYSICAL FEATURES	
Dimensions of Machine	H-55", W-16", D-17"
Yera Glass Jars	2
Mild Steel Cylinders	1 Cylinders
Lube Storage Capacity	23 Ltr. Waste oil
Measuring Scale	YES

WASTE OIL DRAIN

WASTE OIL DRAIN PRESSURIZED

- Oil Drain with wheel mounted tank for gravity draining of motor, engine, gearbox & differential oils, transmission & power steering fluids etc. from all types of motor vehicles placed on auto lift or a pit
- Centrally mounted 10 Litres capacity bowl is height adjustable & can be optimally positioned allowing oil draining as well as other maintenance operations
- Durable all-steel design and reinforced castors; the unit provides a safe & affordable option for draining, transferring & evacuating used oil
- Designed for excellent mobility, easy bowl positioning & simple to use pressurized evacuation
- Comes complete with a 14" (355 mm) telescopic bowl that can be adjusted from 45" (1143 mm) to 72" (1828 mm)
- 68 Litre tank includes a preset air regulator that allows the use of standard compressed air upto 150 PSI (10 BAR)
- Tank includes a safety valve and a reinforced dispensing hose that doubles as a sight gauge to prevent overfilling

Bowl Fitted with Anti-Splash Screen



SPECIFICATIONS

TANK CAPACITY	68 Liters
MAX. COLLECTION CAPACITY	55 Liters
BOWL CAPACITY	10 Liters
BOWL INNER DIAMETER	14" (355mm)
LENGTH OF DRAINING HOSE	2m
MAXIMUM HEIGHT	72" (1828 mm)
MINIMUM HEIGHT	45" (1143 mm)
RECOMMENDED DRAINING PRESSURE	8 PSI (0.5 BAR)

WARNING

Do not use with fuels and corrosive media



ME-WOD-01

- Oil Drain with wheel mounted tank for gravity draining of motor, engine, gearbox & differential oils, transmission & power steering fluids etc. from all types of motor vehicles placed on auto lift or a pit
- Centrally mounted 10 Litres capacity bowl is height adjustable & can be optimally positioned allowing oil draining as well as other maintenance operations
- Bowl comes fitted with anti splash screen
- Durable all-steel design and reinforced castors; the unit provides a safe & affordable option for draining, transferring & evacuating used oil
- Designed for excellent mobility, easy bowl positioning & simple to use gravity evacuation
- Comes complete with a 14" (355 mm) telescopic bowl with height adjustment option
- Tank comes fitted with sight gauge to check waste oil level & a ball valve to drain out oil

Waste Oil Drain with Bowl Fitted with Anti-Splash Screen



SPECIFICATIONS

	WOD-30G	WOD-50G
TANK CAPACITY	30 liters	50 liters
BOWL CAPACITY	10 liters	10 liters
BOWL INNER DIAMETER	355 mm (14")	355 mm (14")
MAXIMUM HEIGHT	1400 mm (55")	1613 mm (63-1/2")
MINIMUM HEIGHT	1016 mm (40")	1016 mm (40")

WASTE OIL DRAIN GRAVITY FEED

WARNING

Do not use with fuels and corrosive media



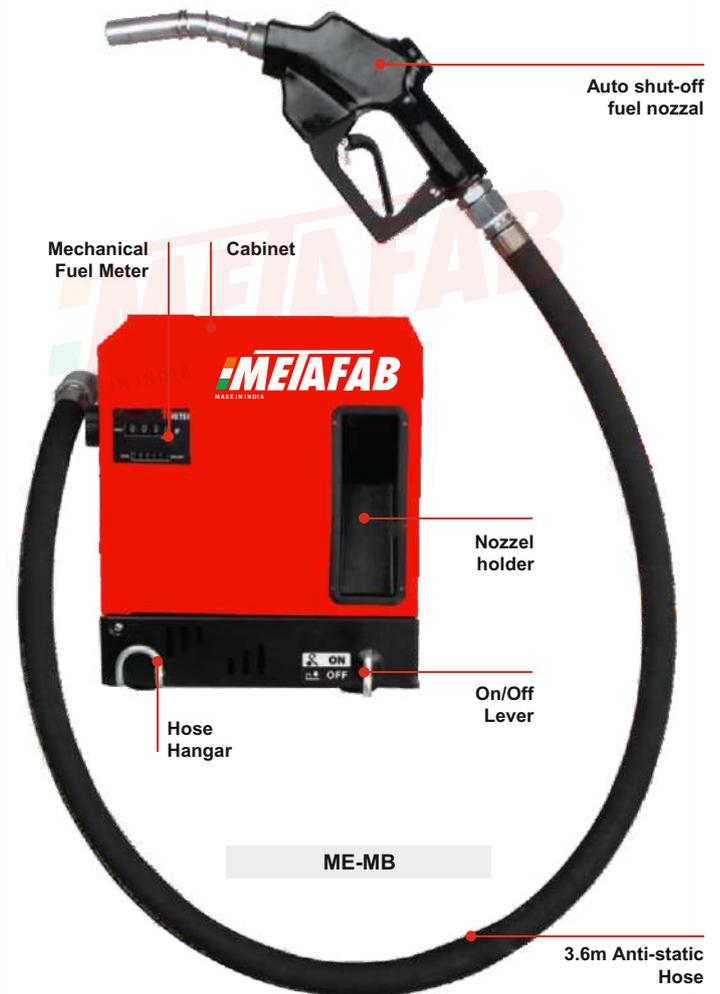
ME-WOD-02

MINI BOWSER

- A compact & convenient system designed for all stationary diesel refilling applications
- Extremely versatile, the bowser can be installed directly on a wall, on an existing structure with screws or directly on a tank
- The dispensing system is equipped with a continuous usage self-priming diesel pump, high precision mechanical meter, nozzle & hose: encased in sturdy, weather-proof metal housing. This casing has an in-built nozzle holder, nozzle hangar & a lever ON/OFF switch
- **Continuous Duty Electric Fuel Pump:** Self priming, vane pump with an integral bypass valve is equipped with a self ventilated, 1/2 HP motor with thermal overload protection. This makes it suitable for continuous usage
- **Mechanical Fuel Meter:** Nutating disc mechanical meter with litre display, flow rate of 15-75 LPM and 50 PSI pressure rating Fuel Control Nozzle – Automatic: Dual mode nozzle - Manual & Automatic. Sensor in the discharge spout outlet automatically shuts off supply when fuel level in the tank reaches the discharge spout. The nozzle is equipped with a swivel at the inlet for convenience in usage
- **Fuel Hose:** 3.6m (10.5') long antistatic fuel hose
- **Nozzle Holder:** In-built into the metal casing for keeping hose safe when not in use
Hose Hangar: For safe storage of nozzle
- **Hose Hangar:** For safe storage of nozzle

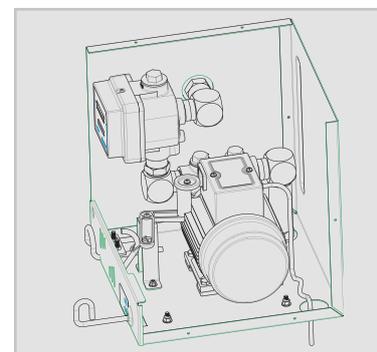
MINI BOWSER

DIESEL REFILLING SYSTEM

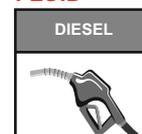


SPECIFICATIONS

SYSTEM / BOWSER DESCRIPTION	220V AC
INLET / OUTLET	1" BSP (F)
PUMP MOTOR	1/2 HP 220V AC, 50 Hz
PUMP RPM	2800
FLOW RATE	UPTO 56 LPM
DUTY CYCLE	Continuous Duty
POWER CABLE LENGTH	2m
METER ACCURACY	±1'
METER REPETABILITY	±0.5%
METER LEAST COUNT	0.10 Liters
MAX. RESETTABLE BATCH TOTAL	9999 Liters
MAX. NON RESETTABLE TOTALIZER	999999 Liters
HOSE LENGTH	3.6m



FLUID



FEATURES

FLOW RATE	METER ACCURACY
UPTO 41 LPM	±1'

ELECTRIC DRUM PUMP

- Worlds 1st Rechargeable 19.2V Battery Operated Pump
- Electric drum pump designed for pumping fuels, water based media, light oils & select chemicals from 205 litre drums or 1000-1250 litre IBC's
- Compact & lightweight construction
- Convenient ON/OFF switch with LED Indicator
- Built-in fuse for overload protection
- Silenced motor makes almost no noise
- Stainless steel filter built into the suction tube inlet prevents contaminants from getting in & causing damage

Telescopic suction tube extends from 33-1/2" (850 mm) to 49" (1245 mm) for use with 205 litre drums or 1000-1250 litre IBC's

- Built-in 2" bung adaptor fits directly onto 205 litre drums. Bung adaptor can be adjusted by 0.6" (15 mm) to adjust to drums with varying heights. Includes an additional bung thread converter for converting 2" standard bung threads to 2.5" x 5 mm buttress threads for using pump with plastic drums & IBC's
- Supplied complete with 2m (6.6') hose & manual dispensing nozzle with 3/4" (19 mm) OD Stainless Steel Spout
- **Duty Cycle:** 15 minutes On / 15 Minutes Off



EDR/55T/RB/19N/EU

SPECIFICATIONS

Motor Type	DC Brush Motor (5 Pole)
DC Power Cable	4m long with Crocodile Clips
AC Power Adaptor	Input: 100 to 240 V AC, 50 / 60 Hz Output: 12 V DC Constant Voltage, 3A max
Rechargeable Battery	19.2V, 1.5 Ah Ni Cd Battery
Max. Viscosity of Media	100 cst
Tempertature	5°C to 40°C

WETTED COMPONENTS

Viton, POM, Stainless Steel, PE, NBR, Zinc, PP

RECOMMENDED USE

Diesel, Kerosene, Bio Diesel, DEF, Adblue, Water based media, Antifreeze, Detergents, Light oils with viscosity upto 100 cst

NOT TO USE WITH

Gasoline, Corrosive chemicals, Lacquer thinners, any material that is not compatible with the pump construction.



AVAILABLE IN 3 CONFIGURATIONS



With 12V DC Power Cable

With 19.2V, 1.5Ah Rechargeable Ni Cd Battery & 1hr Battery Charger

With 100V-240V, 50/60 Hz AC Dual Voltage Power Adaptor

F METER MECHANICAL

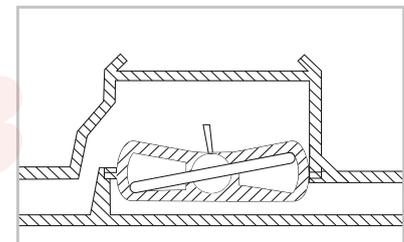
FUEL METER

- World class mechanical Fuel Meter, extremely compact, yet easy to read
- Robust aluminum die cast construction
3 port design which allows the meter to be fitted in – line or with the Inlet & outlet ports at 90°
- Nutating Disc Mechanism offers high tolerance to fuel contamination
- For use with electric fuel pumps or gravity flow (with a minimum gravity head of 4')
- Register cap can be easily removed & rotated to every 90° orientation for convenient read out
- Easy user re calibration
- Works with both fuels & oils
- Available with a choice of 3/4" or 1" threads
- **WETTED COMPONENTS**
Aluminium, Poly Butylene, Terephthalate (PBT), Viton, Stainless Steel
- **RECOMMENDED USE**
Diesel, Petrol, Biodiesel, Low to Medium Viscosity Oils
- **DO NOT USE WITH**
Water Based Media



Register cap can be easily removed & rotated to every 90° orientation for convenient reading

NUTATING DISC MECHANISM



ME-FM

SPECIFICATIONS

FLOW RATE	15 to 75 LPM
ACCURACY	±1%
REPEATABILITY	±0.50%
WORKING TEMPERATURE RANGE	-10°C to 65°C
MAX. WORKING PRESSURE	50 PSI (3.5 BAR)
MAX. RESETTABLE BATCH TOTALIZER	9,999 Liters
MAX. NON RESETTABLE BATCH TOTALIZER	9,99,999 Liters
LEAST COUNT / RESOLUTION	0.10 Liters

Note: Not to be used for commercial sale

OIL	DIESEL
BIO DIESEL	PETROL

FLOW RATE	Max. Working Pressure
15 - 75 LPM	50 PSI (3.5 BAR)
WORKING TEMPERATURE RANGE	
-10°C to 65°C	

DRUM TROLLEYS

Drum clamping attachment



Removable handle used as a drum loader



Clamps for holding pump when not in use

Control Gun Holder

Removable handle used as a drum loader



Plate for mounting a hose reel

Removable handle used as a drum wrench



Cup for secure holding of pump inlet & collecting dripping oil

Heavy Duty 4 mm thick steel sheet

ME-DT

Trolley being used as a dispensing system with Ratio Pump & Hose Reel installed



Lock position

Un-lock position



Heavy Duty castors with toe lock

DRUM CRADLE

DRUM CRADLE

Tips, rotates, moves & stores 180 kg / 210 litre drums

Equipped with self storing lever bar

Large – 2 -1/2" (63 mm) non sparking wheels make it suitable for use in flammable environments

Loading Capacity:
273 kgs (max)

Fully powder coated finish
Comes in semi- knocked down condition for ease of transport

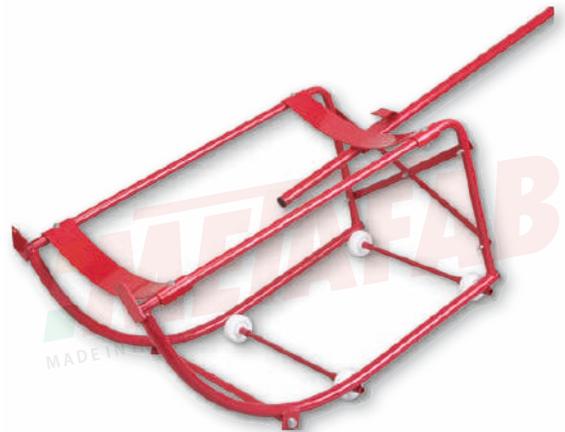
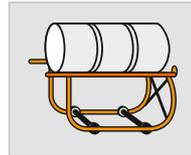
Just Tip



Tilt



Store / Drain



ME-DC

Extra heavy duty drum dolly for convenient movement of 180 kg/ 210 litre drums in shop floors & rough workshop environment

Manufactured from solid 3 mm (11 gauge) steel sheet

Design incorporates wide steel cross bases for full base support

Premium powder coated finish

Firmly welded solid cast iron 4 wheels (75 mm dia. x 35 mm wide)

Holds drums of dia. 23" (584 mm)

Overall Height:
6-1/2" (165 mm)

Loading Capacity:
545 kg (max)

DRUM DOLLY



ME-DD

LOW PROFILE DRUM TROLLEY

Low Profile Drum Trolley with drum platform only

1/2" (12 mm) off the floor, facilitating easy loading & unloading

Designed to conveniently move 210 litre/ 180 Kg drums of all types

Trolley can accommodate drums up to a dia. of 26" (660 mm)

Extra heavy duty construction, fabricated from 5 mm (6 gauge) steel sheet

Loading Capacity:
545 kgs (max)

Removable pivoting handle includes drum tipper for easy loading

Includes

- 2 large Phenolic front wheels 5-3/4" dia. (146 x 1-7/8" (47 mm) wide
 - 1 back phenolic swivel wheel 3" (75 mm) dia. 1-3/8" (35 mm) wide
- Fully powder coated finish
Unit comes flat packed & semi knocked down condition for ease of transport



ME-LDT

OIL DISTRIBUTION



ME-OD-01

Drums not included

Stationary pneumatic oil dispensing kit for 208kt drums.

- Tank service base for 1 drum of 208 lt with metal mounting rack
- Pneumatic double acting 3:1 oil pump
- Plastic bung adapter for the fixation of pumps on drums
- Open hose reel 15mt rubber hose 1/2"
- 2m rubber connection hose 1/2"
- Electronic flow meter for oil with control gun, rigid outlet and automatic anti-drip nozzle and inlet swivel 1/2"
- Pressure regulator with manometer and condensation water separator.

Weight	Dimensions
69kg	830x880x2360mm

Stationary Pneumatic Oil Dispensing Kit For 208kt Drums.

- Tank service base for 2 drum of 208 lt with metal mounting rack
- 2pcs Pneumatic double acting 3:1 oil pumps
- 2pcs Plastic bung adapters for the fixation of pumps on drums
- 2pcs Open hose reels
- 2pcs of 15mt rubber hose 1/2"
- 2pcs of 2mt rubber connection hose 1/2"
- 2pcs Electronic flow meter for oil with control gun, rigid outlet and automatic anti-drip nozzle and inlet swivel 1/2"
- 2pcs Pressure regulator with manometer and condensation water separator.

Weight	Dimensions
106kg	1350x830x2360mm



ME-OD-02

Drums not included

OIL DISTRIBUTION



ME-OD-03

Oil dispensing kit, suitable for the dispensing of 2 oil types from 208lt drums with oil cotainment pallet.

- Tank service base for 2 drums of 208lt with metal mounting rack
- 2pcs of penumatic 1:1 oil pumps
- 2pcs of suction tube with bung adapters for drums
- 2pcs of suction hoses for connection pump suction tube
- Wall-mounted dispensing bar
- 2pcs of pressure regulators with manometer and condensation water separator
- 2pcs of connection hoses for the connection of pump dispensing bar.

Weight	Dimensions
100kg	1350x880x2360mm



Spill containment pallet in painted steel, suitable for the storage of 1 drum of 208lt. Sump capacity 208lt.

Weight	Dimensions
32kg	920x830x340mm



Spill containment in painted steel, suitable for the storage of 2 drums of 208lt. Sump capacity 286lt.

Weight	Dimensions
35kg	1350x830x340mm

PORTABLE OILING SYSTEM



ME-POS

- Ideal choice for workplace requiring movable oil dispensing systems

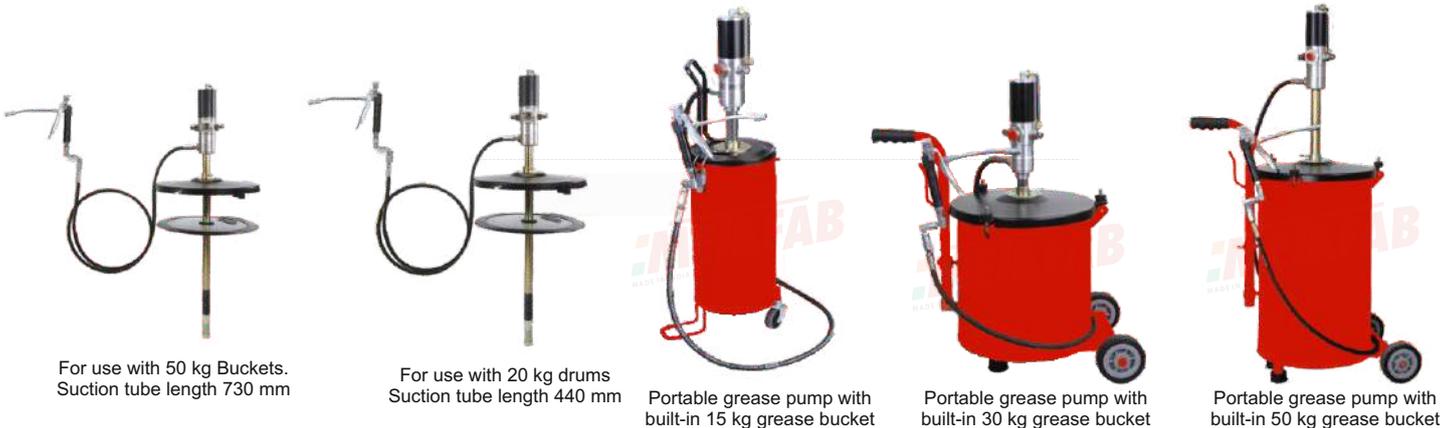
Includes:

- a Oil Master Air Operated 5:1 Pump, T512-G
- b Retracta Oil Hose Reel (OMP2101)
- c Oil Control Gun with Mechanical Meter (HG40)
- d 210 Litre Drum Trolley & Hydraulic Hose to connect pump outlet to hose reel inlet

Recommended Use

Suitable for dispensing oils upto SAE 140 i.e Engine Oil, Hydraulic Oil etc.

AIR OPERATED GREASE RATIO PUMP 50:1



For use with 50 kg Buckets.
Suction tube length 730 mm

For use with 20 kg drums
Suction tube length 440 mm

Portable grease pump with built-in 15 kg grease bucket

Portable grease pump with built-in 30 kg grease bucket

Portable grease pump with built-in 50 kg grease bucket

PORTABLE GREASING SYSTEM

- Designed to cater to daily bulk greasing needs at workshops requiring movable systems

Includes:

- a maxilube™ Air Operated 50:1 pump suitable for 180 kg drums
- b Pump complete with drum cover, follower plate, 84" high pressure grease hose
- c Booster grease control valve
- d Retracta auto rewind grease hose reel
- e Drum Trolley for 180 kg drums



ME-PGS

GREASE GUN

- High pressure portable grease pump for quick effortless greasing in everyday lubrication such as greasing of excavators & other earth moving equipment, agricultural equipment, automotive etc.
- **Hands free operation:** Pump operates using the foot lever, which greatly reduces effort & allows high pressure greasing with highest comfort
- Can be operated by hand when under low machinery
- **Economical:** Pump is operated by a single person & uses low cost bulk grease
- Designed with all moving parts submerged in the same grease which needs to be pumped, thereby staying lubricated at all times. Moving parts create wave action in grease, auto removing air pockets & eliminating the use of a follower plate
- **Recommended Use** NLGI 1 & 2 greases



FEATURES

DEVELOPS	DELIVERS
UPTO 8,700 PSI (600 BAR)	UPTO 2 GM / STROKE

LEVER GREASE GUN

FOOT OPERATED GREASE PUMP



- Fully portable & single person operation manual greasing system designed for volume greasing in workshop environments, site applications, on a pick-up truck, tractor, earth moving equipment etc.
- Pump is operated by foot press of the spring loaded system. The hose gets charged with grease, which can then be dispensed through the Super gun fitted at the end of the hose. A single charge provides upto 30 shots of grease
- Aluminum die cast super gun develops greasing pressure and has high pressure & high volume settings, actuated through a simple switch
- High pressure feature is very useful to open blocked grease fittings
- Pump assembly is fully sealed to prevent contamination
- Pump comes complete with drum cover, rubber lined follower plate, premium 2" ID high pressure hose, super gun fitted with steel extension, coupler and 5 kg plastic grease bucket
- **Wetted components** Aluminum, Steel, Brass, Polyurethane & Nitrile Rubber
- **Recommended Use** NLGI 1 & 2 greases

on construction equipment requiring high volume routine greasing



FEATURES

DEVELOPS	DELIVERS
UPTO 10,000 PSI (690 BAR) ON HIGH PRESSURE SETTING	UPTO 1.25 GMS / STROKE ON HIGH VOLUME SETTING

PORTABLE GREASING SYSTEM MANUAL



LEVER GREASE GUN

BUCKET GREASE PUMP

- Volume grease pump designed for quick & effortless greasing in applications requiring large volume of lubrication everyday
- For use with agricultural equipment, excavators & other earth moving equipment & in automotive applications
- **Variable Handle Setting:** can be set for high volume or high pressure grease discharge. Pump delivers upto 9gms of grease on high volume setting. Fully CNC machined to close tolerances the pump develops upto 4,000 PSI (275 BAR) on high pressure setting
- Includes follower plate
- **Wetted components** Steel, Aluminium, Brass & Nitrile Rubber
- **Recommended Use** NLGI 1, 2 & 3 greases

Variable Handle Setting



ME-BGP		FEATURES
DEVELOPS	DELIVERS	
UPTO 4,000 PSI (275 BAR) ON HIGH PRESSURE SETTING	UPTO 9 GM / STROKE ON HIGH VOLUME SETTING	

- Powerful 19.2V high torque motor
- Standard 1.5Ah Ni-Cd battery pack
- An additional 1.5Ah Ni-Cd battery pack for uninterrupted greasing
- Automatic air release valve & bulk loader
- One hour quick charger. Each battery charge provides power to dispense upto 2.4 kg grease in free flow condition
- Complete with 30" high pressure hose with spring guard on both ends (prevents hose from kinking), high pressure 4 jaw coupler & 400 gm grease cartridge Comes packed in a blow moulded case for safe storage & ease of transportation
- Designed for use by mechanics, technicians, maintenance staff, farmers etc. for everyday greasing & preventive maintenance jobs.

19.2V BATTERY POWERED GREASE GUN

GREASE GUN ASSEMBLY

BPGG/19/EU-CTG/01P	Cordless grease gun with 220V/50Hz Battery Charger, 2pin plug & 400 gm cartridge	1
--------------------	--	---

SPARE PARTS & ACCESSORIES

RB/BPGG/19N	Rechargeable Battery, 19.2V, 1.5 Ah, Ni-Cd	1
BC/BPGG/19N/EN	1 hour CE energy saving battery charger, 220V/50Hz., 19.2V, 2 pin plug	1
SS/BPGG/19N	Carrying / Shoulder strap	1
CTG/01	400 gsm grease cartridge	
BMC/BPGG/19N	Carrying case / Blow moulded case	1



RB/BPGG/19N
1.5 Ah Ni-Cd battery pack



BC/BPGG/19N/EU
Battery charger

FEATURES

DELIVERS	DEVELOPS	CAPACITY
UPTO 85 GM / MINUTE *	UPTO 6,000 PSI (413 BAR)	500 GMS BULK / 400 GMS CARTRIDGE

* in free flow



ME-BPGG

GREASE GUN

- High capacity - high output lever grease gun
- Large barrel with 650 gms capacity (30% more than regular guns) helps in less frequent re-filling of grease
- 30% larger piston diameter pushes out 50% more grease per stroke, reducing time to grease a joint by half
- Solid aluminum grease gun head fitted with loader valve for use with grease filler pump
- Large venturi grease inlet designed for thick & heavy grease, common in India. Works with NLGI 1, 2 & 3 greases
- Heavy gauge drop resistant steel barrel in premium metallic powder coated finish
- Variable Stroke feature: Operates with minimal lever action, allowing usage in confined areas
- High compression spring for removing air pockets from grease
- Fully serviceable with no riveted parts

FEATURES

DELIVERS	DEVELOPS	BULK CAPACITY	VARIABLE STROKE
UPTO 1.5 GM / STROKE	UPTO 10,000 PSI (690 BAR)	650 GMS	

LEVER GREASE GUN

THE ULTIMATE LEVER GREASE GUN

Heavy duty aluminium head

Drop resistant large capacity steel barrel



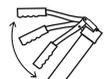
ME-LGG-01



LEVER GREASE GUN HEAVY DUTY

- Top of the line grease gun designed for heavy industrial applications
- Solid aluminum grease gun head fitted with air bleeder & bulk loader valves
- 1.2 mm thick steel barrel with heavy duty follower spring, CNC machined head & rolled threads for fast & easy reloading
- Multiple Loading: cartridge, suction fill & filler pump via the bulk loader
- Variable stroke feature built-in for usage in confined spaces
- Resists back pressure, especially useful in chain tightening of earth moving equipment

FEATURES

DELIVERS	DEVELOPS	CAPACITY	VARIABLE STROKE
UPTO 1 GM / STROKE	UPTO 10,000 PSI (690 BAR)	500 GMS BULK / 400 GMS CARTRIDGE	



Heavy duty aluminium head

Rubber grip for convenience in use

Non-slip, textured, powder coated finish

ME-LGG-02

HEAVY DUTY V SERIES

- Professional model - ideal for lubrication in Automotive workshops, Agricultural & Light Industrial application
- Aluminium die cast grease gun head with built-in air bleeder valve
- Robust steel barrel with knurling for firm grip
- Heavy duty handle with ergonomic non slip soft rubber grip
- Available in 2 finishes: a. Zinc plated b. Black Powder Coated

FEATURES

DELIVERS	DEVELOPS	CAPACITY
UPTO 1 GM / STROKE	UPTO 6,000 PSI (413 BAR)	500 GMS BULK / 400 GMS CARTRIDGE



ZINC PLATED

POWDER COATED

ME-LGG-03

LEVER GREASE GUN

LEVER GREASE GUN V-SERIES

- 21st century design – ideal combination of superior quality & value price
- Suitable for use in general lubrication & daily maintenance work
- Aluminium die cast grease gun head with built-in air release valve
- Soft rubber grip on lever handle for comfortable operation
- Available in 2 finishes: a. Orange powder coated
b. Black powder coated

FEATURES

DELIVERS	DEVELOPS	CAPACITY
UPTO 1 GM / STROKE	UPTO 6,000 PSI (413 BAR)	500 GMS BULK / 400 GMS CARTRIDGE



ME-LGG-04

LEVER GREASE GUN SUPER VALUE

- Most popular value priced grease gun - for general purpose lubrication across all sorts of applications
- Drop resistant steel head with a bulk loader valve
- Soft rubber grip on lever handle for comfortable use
- Durable powder coated finish

FEATURES

DELIVERS	DEVELOPS	CAPACITY
UPTO 1 GM / STROKE	UPTO 6,000 PSI (413 BAR)	500 GMS BULK / 400 GMS CARTRIDGE



150 mm rigid steel
Extension & 4 jaw coupler

ME-LGG-05

PISTOL GRIP GREASE GUN

- Most popular one hand grease gun designed for use in confined spaces or where access to grease nipples is restricted
- 1.2 mm thick steel barrel with heavy duty follower spring
- CNC machined head & rolled threads for fast & easy reloading
- Aluminium die cast head with steel block nut
- Pistol handle designed to prevent fingers from pinching

FEATURES

DELIVERS	DEVELOPS	CAPACITY
UPTO 0.50 GM / STROKE	UPTO 5,000 PSI (345 BAR)	500 GMS BULK / 400 GMS CARTRIDGE



100 mm rigid steel
Extension & 4 jaw coupler

ME-PGGG

LEVER GREASE GUN

MINI LEVER GREASE GUN



ME-LGG-06

- When you need a tough little grease gun for hard to reach places, this is it!
- Compact tool box size grease gun
- Aluminium die cast head
- Develops upto 6,000 PSI / 413 BAR, the highest in its class of mini grease guns

FEATURES

DELIVERS	DEVELOPS	CAPACITY
UPTO 0.55 GM / STROKE	UPTO 6,000 PSI (413 BAR)	120 CC BULK / 85 GMS CARTRIDGE

MINI PISTOL GREASE GUN-DELUXE

- One hand pistol grip grease gun with convenient pull type operating mechanism
- Aluminum cast head with front & top discharge ports
- Ideal for greasing in tight spaces such as CNC machines

FEATURES

DELIVERS	DEVELOPS	CAPACITY
UPTO 0.40 GM / STROKE	UPTO 3,500 PSI (240 BAR)	120 GMS BULK / 85 GMS CARTRIDGE

Top Port used primarily with flexible hose for greasing in inaccessible areas



ME-MPGG

Front discharge port used for regular greasing applications

PUSH TYPE GREASE GUN

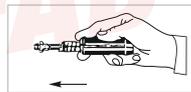
- Push type grease guns for use with bulk grease only
- Compact tool box size
- Steel body fitted with universal connector
- Ideal for greasing of impact wrenches, chain saws, trailers, pallet trucks etc.

FEATURES

DELIVERS	DEVELOPS
UPTO 0.90 GM / SHOT	UPTO 1,000 PSI (69 BAR)



ME-PTGG



AIR OPERATED GREASE GUN

- High power, continuous flow air operated grease gun
- Continuous discharge of grease with the trigger pressed
- Air Operating Range: 40–120 PSI (3–8 BAR)
- Pressure Ratio: 40:1
- Air Inlet: 1/4"(F)
- For use in factory maintenance, agricultural applications, fleet service or for use on trucks connected to vehicle air brake compressors

FEATURES

DELIVERS	DEVELOPS
UPTO 400 GM / MINUTE	UPTO 4,800 PSI (330 BAR)
CAPACITY	
500 GMS BULK / 400 GMS CARTRIDGE	



ME-AGG

AUTOMATIC CHAIN CLEANER & GREASER

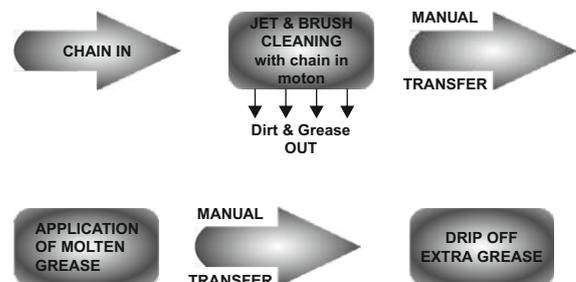


ME-CCG

It has a cleaning chamber with jets & brushing arrangements with chain handling adjustments after the cleaning process the chain can be dipped in molten grease in greasing chamber.

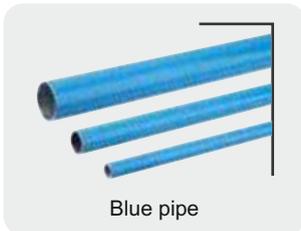
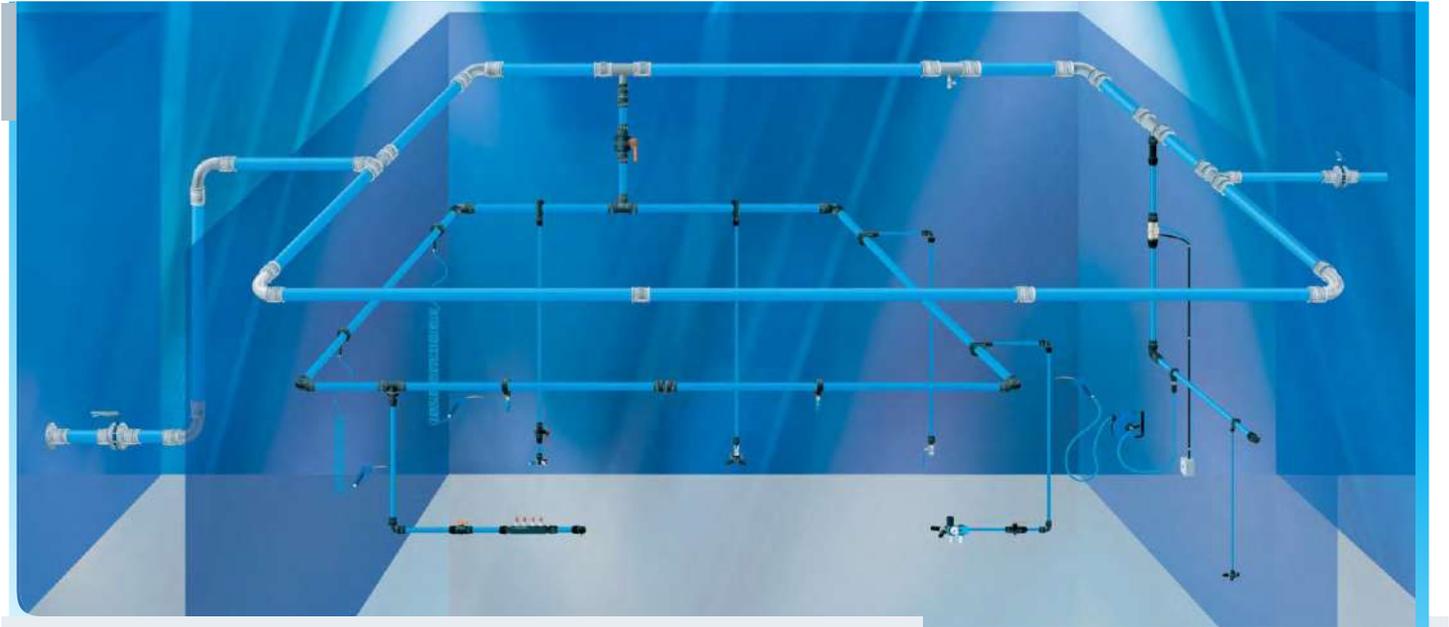


- Occupying a small floor area (61cm x 38cm) this device adds life to the motorcycle chain during service.
- TWIN CHAMBER TYPE - one for cleaning and the other for greasing-enable two chains to be worked at a time.
- TOTAL CLEANING of chain in motorised movement with high pressure jets of kerosene or diesel (your choice) aided by a set of built-in brushes to remove all dirt and grease efficiently.
- GREASING CHAMBER is of stainless steel sheet. Thermostatically controlled grease heating and melting.
- DRIPPING AREA leaves a smooth coat on the chain.



JUST PROPER AMOUNT OF GREASE - NEITHER MORE NOR LESS

PNEUMATIC PIPELINE



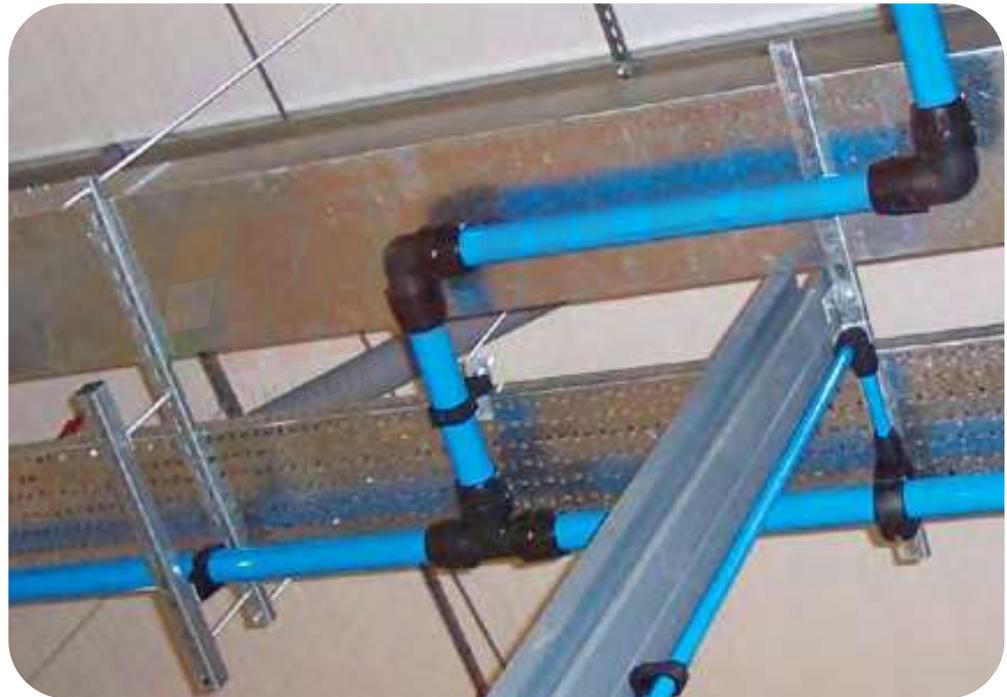
Blue pipe



Flexible hose for compressed air systems



Pipe-to-pipe connector



Equal tee



Instant connection by means of a gripping ring



90° elbow

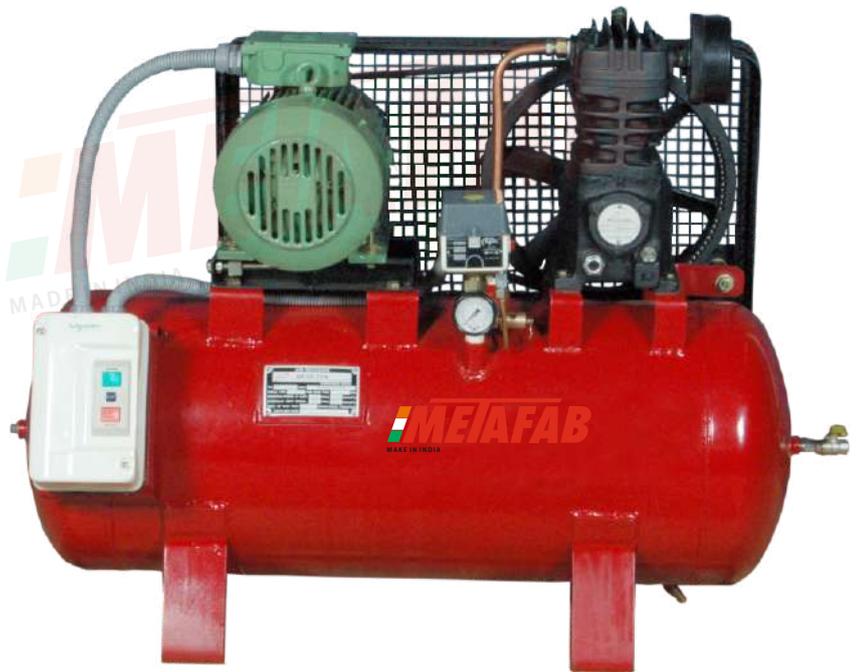
AIR COMPRESSOR

“Metafab Engineers India Pvt. Ltd.” are designed to perform at high operating efficiency with minimum maintenance. They are compact, reciprocating units of balance “V” construction. They are manufactured in our most modern factories where state of art manufacturing processes are used. Imported as well as best india made machine tool are installed in our various workshop.

Latest imported “Quality Control” instrument are housed in our air conditioned standards - rooms and production shop for stringent quality control at every stage of production. Our compressors are the result of dedicated, discipline and result - oriented combined efforts of our technical & administrative staff and workers totaling more than 150 in our various units. These value packed compressors offer “DEPENDABLE” services in the following fields.

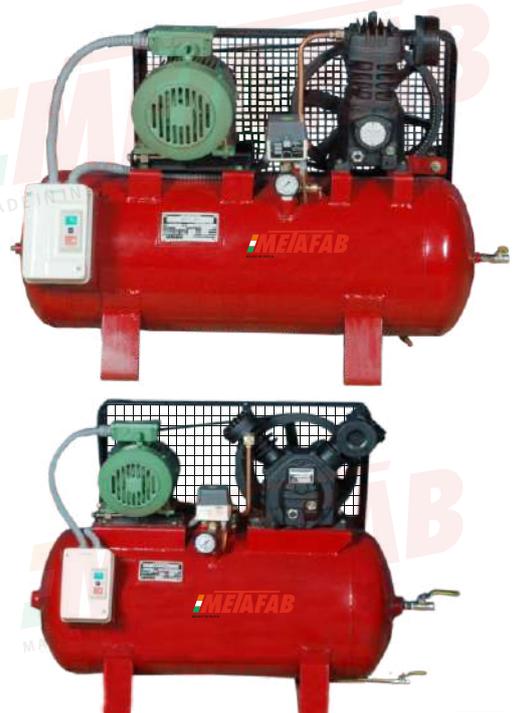
A Metafab Engineers Pvt. Ltd. Compressor is a highly engineered system, rugged and reliable, with every part designed and built to important, sometimes critical, specifications. That’s why when replacement parts are needed, it is essential to use only genuine Metafab replacement parts. Specifically designed to fit Metafab compressor and manufactured to Metafab standards, Metafab replacement parts are assure that you will continue to get the performance your Metafab equipment was designed to deliver. Metafab offer a full range of high efficiency parts. All made of the highest quality materials available. Remember Metafab genuine parts not only save your money, but could also save your compressors.

High Pressure Compressors : High Pressure Air Cooled / Water cooled (Optional Inter cooling) for higher performance & longer reliability of moving components which give power saving to extent of 15%



CYLINDER NO.	MOTOR H.P.	COMP. RPM	PD CFM	FAD CFM	MAX. PSIG	PRESSURE KG/CM G	AIR RECEIVER (Ltrs) (Hori.)
2	2	660	7.42	5.63	175	12.3	100 / 150
2	2	866	7.74	6.93	175	12.3	100 / 150
2	5	660	13.20	9.92	175	12.3	150 / 200
2	5	866	17.30	13.02	175	12.3	150 / 200
2	7.5	660	26.25	19.70	175	12.3	250 / 300
2	10	866	34.45	25.85	175	12.3	250 / 300
2	10	900	40.00	28.00	175	12.3	250 / 300
2	10	800	31.82	28.50	175	12.3	300 / 500
2	12.5	900	35.80	30.20	175	12.3	300 / 500
2	12.5	800	44.00	34.14	175	12.3	300 / 500
2	15	900	49.50	37.06	175	12.3	300 / 500
3	15	750	68.20	49.83	175	12.3	500
3	20	900	81.84	59.80	175	12.3	500
3	30	1000	110.03	84.73	175	12.3	500
3	30	1100	121.03	93.20	175	12.3	500

Not : Models 75 to 175 L 175 for higher working pressure up to 17.5 kg/cm² g are also available on request. All performance as per IS - 5456



QUAD STAND



Stand developed and produced for the rear lift of Quads, made by a single steel pipe of 35mm diameter and 2mm of wall thickness. The polyhester powder painting ensures a long lasting and prevent by scratches. Equipped with 4 nylon wheels with overall diameters of 90mm, and with roller supports for an easy and comfortable fitting on the rear wheel axle.



ME-QS

Width	Height	Lenght	Weight
480mm	360mm	610mm	4,2kg

DISMOUNTABLE STANDS



ME-DS



Dismountable rear stand complete with all adapters and supplied in an assembly box. The structure is made in three parts of steel hose which is powder painted in bright polyester black, whose diameter measures 35mm with a 2mm thickness. Inside the assembly box are placed the 4 nylon wheels, especially created on a metafab design, which have a 100mm diameter and all pins to be fixed at the frame, the two sets of supports, one with V-shape (for the motorcycles with bobbins) and one in L-shape rubber, all kinds of sport or touring motorcycles and finally the bolts and screws to quick mount the stand.



Width	Height	Lenght	Weight
480mm	360mm	610mm	4,1kg

REAR FIXED STANDS



ME-RFS - 01

New rear stand fixed version. Made of a single tube with nylon inserts. Available in two versions. With a slight pressure may however also be adapted for shorter distances.



Width	Adapters Width	Height	Lenght	Weight
400mm	340mm	335mm	660mm	3,9Kg



ME-RFS - 02

Width	Adapters Width	Height	Lenght	Weight
340mm	max350mm - min250mm	345mm	630mm	3,9Kg

SPECIAL REAR STANDS



ME-SRS

RACING CENTRE STANDS

Pair of racing center stands for footpeg rest, that can be adjust in height from minimum 445 mm up to a maximum of 490 mm. Used to sustain the motorcycle at the pit during technical operations in which it is necessary to remove the rear wheel.



ME-RCS



Width	Height	Lenght	Weight
400mm	445/490mm	200mm	3Kg

SINGLE ARM STANDS

Single-sided swing-arm stand made in steel hose, whose diameter measures 35mm with 2mm thickness and painted in polyester powder. It is supplied in 4 nylon wheels with a soft rubber tyre of 90mm diameter. In the pin holder bushing are placed two ball bearings, which make possible the pin rotation.



ME-SAS



Width	Height	Lenght	Weight
480mm	420mm	670mm	5,7kg

FRONT STANDS

Universal rear stand for under fork use. Made in a one-piece steel hose, 35mm diameter and 2mm thickness, painted in polyester powder. It is supplied with 4 nylon wheels, whose diameter measures 90mm and a special fixing set to easily position and to adjust the adapters. Easy to be used and great stability make this item one of the preferred stands by the mechanics and motorcyclists.



ME-FS - 01



Width	Height	Lenght	Weight
360mm	320mm	630mm	3,7Kg

FRONT STANDS

Front Fixed Stand

Front fixed stand for forks with underneath hole. Made in hose steel with a 35mm diameter and 2mm thickness and painted in polyester powder. It is supplied with two nylon wheels whose diameter measures 90mm and is equipped with reinforced nylon cones with steel core for



ME-FS - 02

Width	Height	Lenght	Weight
260mm	320mm	560mm	3Kg

Special Front Stand

Special front stand developed for motorcycles with radial brakes. It is supplied with rubber adapters, specifically shortened in terms of length, included.



ME-FS - 03



Width	Height	Lenght	Weight
360mm	320mm	630mm	3,8Kg

CENTRAL STAND



ME-CS

Centre stand for motorbike with through pin. Available with universal pin or special aluminium pins.

Aluminium pins for Honda VFR1200.



Width	Height	Lenght	Weight
560mm	480mm	570mm	5,2kg

SCOOTER STAND

Rear Stand

Rear scooter stand, made with a steel pipe of 35mm of diameter and 2mm of wall tickness. It is provided of a single arm on which it can be possible to fit the steel flanges that can be fixed on engines



ME-SS

Width	Height	Lenght	Weight
480mm	650mm (chiuso/closed) 820m (aperto/open)	630mm	7,1kg

ALUMINUM STANDS

Aluminum Off-road Stand

Aluminum off-road stand, adjustable in 12 different positions. It is provided with a steady base of 4 legs and a square lifting platform of 240mm side, covered by an anti-scratch rubber. The 9cm lifting run goes from a minimum height of 240 or 360mm up to a maximum height of 330 or 450 mm, activated by a pedal.



ME-AS - 01

Width	Height	Capacity
240x240mm	240-360mm <330- 450mm	120kg



Aluminum Off-road Stand Adjustable

Hydraulic center lift ideal for quads and enduro bikes with double cradle frames. It is put in action by a hydraulic pump/cylinder system with foot control. A lifting capacity of 500kg and thanks to its minimum height of 180mm can be easily positioned under the lowest custom bikes and is able to raise motorcycles up to the maximum height of 550mm with three intermediate mechanical safety positions.



ME-AS - 02

Width	Height	Capacity
160x300mm	325-350mm <430- 455mm	120kg

Aluminum Off-road And Motard Stand

Aluminum off-road and Motard stand, with square holding platform of 240mm side and covered by an anti-scratch rubber. It is supplied with a support for the exhausted oil plastic container, that is included. Upon request this aluminum stand can be customized with dedicated side stickers for teams or dealers.



Width	Height	Capacity
240x240mm	430mm	150kg



ME-AS - 03

NEW OFF-ROAD STANDS

New Stand

New stand for off-road bike and motard. Made of iron has a comfortable support surface made in marine plywood 280x210mm. The bike is easily lifted with a lifting system with pedal lever. Available in a cross version with a height ranging from min. 310mm to a maximum of 435 mm and a motard and supermotard version with minimum height. 255 and 380mm max. Max.Weight capacity 160kg.



ME-OS



Width	Height	Capacity
280x210mm	315mm - 425mm	160kg
280x210mm	260mm - 370mm	160kg

WHEEL PARKING

Steel Parking Platform

Steel parking platform created for the manoeuvring of the motorcycle once the center stand is set. It is equipped with four nylon casters pivoting at 360°, of which two with brakes, that allow to move the motorcycle with ease and to position it tight spaces, for example inside a garage. It is provided of a rubber mat that ensure a perfect grip to the centerstand and prevent from scratches the platform. The max load capacity is of 400kg.



ME-WP

Lenght	Width	Height	Weight	Capacity
510mm	468mm	590mm	8kg	400kg
865mm	140mm	650mm	6kg	400kg

HYDRULIC PRESS

Entirely produced inside our metafab facility with hydraulic components, this new bearing press grants quality and reliability in the long period. Its product design aimed at granting the best functionality to the common operations of a motorcycle workshop, a great stability during the work, a captivating look and a maximum decomposability which facilitates the transport and its storing. This hydraulic press with hand pump at double speed is supplied complete with work top, adjustable in height and support.



ME-HP

Weight	Cylinder Stroke	Internal Dimensions	Dimensions
150Kg	260mm	500mm	1700x850mm



ME-HC

HYDRULIC CRANE



Workshop engine crane powered with an hydraulic jack double action. It is a must-have tool for the lifting and moving of loads up to 1000 kg, that it can handle with its powerful and strong frame and hydraulic jack. The 6 pivoting casters make easy its positioning inside the workshop. It is equipped with an arm featuring 4 different positions, depending the kind of load to lift. It is easy to assemble and it is really an indispensable tool in a modern workshop. In case of a long period of off-duty, it is possible to unlock the long basement legs and fold them on the frame, in order to save space in the working place.

Weight	Max Height	Min Height	Capacity
115Kg	232mm	250mm	1000Kg

ARBOR PRESS/RATCH WHEEL ARBOR

- High quality cast-iron body design
- For Press-fitting and pulling bearings
- 4- position plate



ME-AP - 1/2



ME-AP - 3



ME-AP - 5

Capacity (Ton)	Max. Height & Dia. (mm)	Largest Arbor (mm)	Ram Square (mm)	Press Ht (mm)	Base Size (mm)	Packing Size (cm)	N.W. / G.W. (kg)
1/2	90x80	26	19x19	280	240x170	26x12x29	11/12
1.0	110x100	29	25x25	355	268x190	29x14x35	15/16
2.0	180x123	40	32x32	445	432x260	46x20x46	36/38
3.0	285x163	44	38x38	615	455x300	46x24x64	63/65
5.0	400x226	70	50x50	815	654x176	76x37x95	155/166

SPECIAL JIG & FIXTURE

Engineered to perfection, these special jigs & fixtures make your tractor engine perfectly engineered. This equipment is required to hold the engine during over handling. It has perfect mechanism of lifting, Locking and rotating the engine in any direction as per requirement at the time of engine Servicing.



ME-SJF - 01



ME-SJF - 02

TRANSMISSION JACK



ME-TMJ - 01



ME-TMJ - 02



ME-TMJ - 03



ME-TMJ - 04



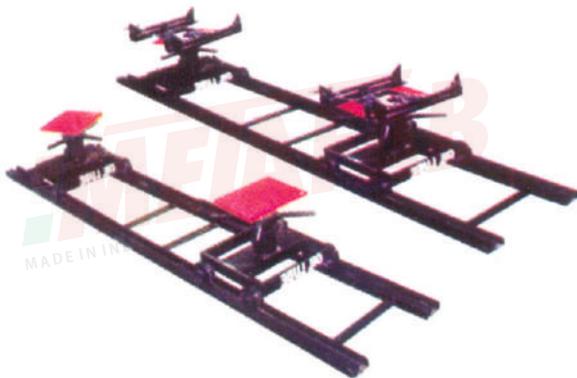
ME-TMJ - 05



ME-TMJ - 06

TRACTOR DISMANTLING RAIL

This specially designed rail is for dismantling, separating and holding the tractor aggregates during over handling & servicing.



ME-TDR



CENTRE JACK

Width	Height	Lenght	Capacity
250mm	855mm<350mm	400mm	500kg

Mechanical center lift that can be used on the motorcycle lifts to stabilize and raise the custom bikes and scooters, in order to dismount their wheels and forks. This center lift must be set in action manually by using a 24mm spanner. Do not use an impact wrench (Pneumatic or electric) because it would damage the lifting bar threading.



ME-CJ - 01

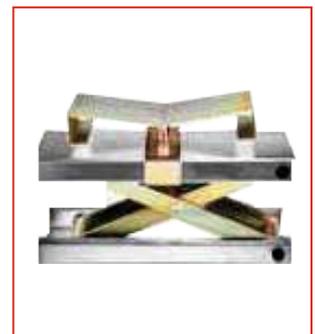
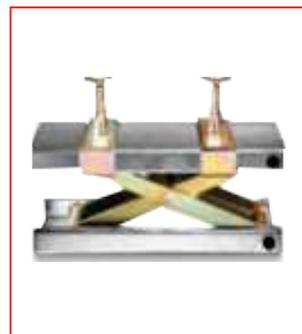
Optional adapters and supports, that complete the jack. They are necessary when it is not possible to lift the motorcycle by its centre and so it necessary to work directly on the bottom part of the frame. Both adapters and supports are zinc finished.



ME-CJ - 02

Width	Height	Lenght	Capacity
150mm	850mm<350mm	400cm	500kg

Mechanical central screw threaded jack, ideal as auxiliary lift to use in combination with the traditional lifters. Also for this model the lifting operation must be made manually and not with the use of the impact wrench.



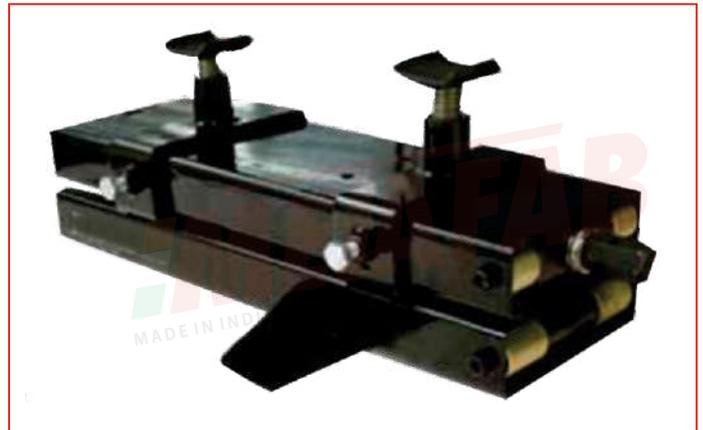
CENTRE JACK

Width	Height	Lenght	Capacity
150mm	90mm<400mm	450mm	500kg

Mechanical central screw threaded jack, usable as auxiliarn with the traditional lifters or directly under the motorcycle. Thanks to the wide top table it is recommended for custom bike, generally of relevant weight and dimensions, to which it ensures a great and operative safety. The top table is covered by rubber, to avoid scratches to the motorcycle frame. The lifting operation must be made with the use of the included hex key and not by the impact wrench.



ME-CJ - 03



SPECIAL ENGINE JIG



ME-SEJ - 01

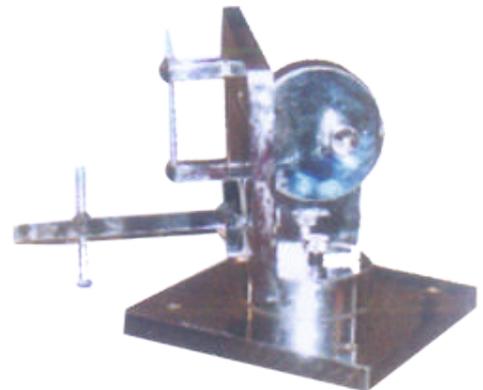
Our Engineers and tool designers, a fully equipped design office and machines together bring you comprehensive solutions to your special jigs and fixtures need for servicing two and three wheelers.

Engine jigs make the mounted engine rotate and swivel in 360 sphere; thus they enable the mechanic to service the engine always from his normal eye level.

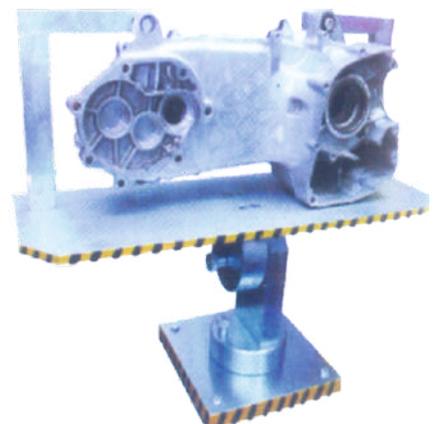
Body jigs like the one shown here, or for numerous other application e.g: to check the handle bar, assembly, steering Head Assembly etc., can be designed and manufactured to your application need quality level.



ME-SEJ - 02



ME-SEJ - 03



ME-SEJ - 04

WORKSHOP ON WHEEL

Door step service concept is becoming popular day by day and hence we have designed special mobile service kit for cars as well as for the motor bike.

These kits are self sufficient to provide the service at the door step of the customer and resulting in saving huge time of the customer.



Motor Bike Service Kit



Motor Bike Service Kit



Motor Bike Service Kit



WOW - HYUDAI



WOW - HYUDAI



WOW - Escort



WOW - ECO Carnation



WOW - ECO Carnation



WOW - Mahindra



WOW - YAMAHA



WOW - HONDA



WOW - HERO



NEW CONCEPT



SELF PROPELLED MULTI PURPOSE PLATFORM



SELF PROPELLED HYDRAULICALLY OPERATED HOISTING EQUIPMENT

Self Propelled Mobile Platform can be used to lift a person to a working height of 30 feet from ground level to perform various operations easily, quickly & safety. The platform is equipped with hydraulic transmission and is powered by a diesel engine. The operators cabin is provided with all the required operating controls and provision to connect hydraulically operated pruning and lopping tools.

Designed for various applications like road side / garden tree trimming, maintenance / repair of street light, white washing, painting, maintenance & cleaning of government buildings / facilities within the operating height.

ADDITIONAL FEATURES

- Fail safe automatic brake system on both drive wheels.
- Final drive planetary gear.
- Self leveling platform.
- Engine oil pressure / coolant water warning light.
- Battery charge warning light.
- Provision to connect hydraulic power tools.
- Free wheeling assembly for towing with towing bar.
- Hydraulic tool holder.



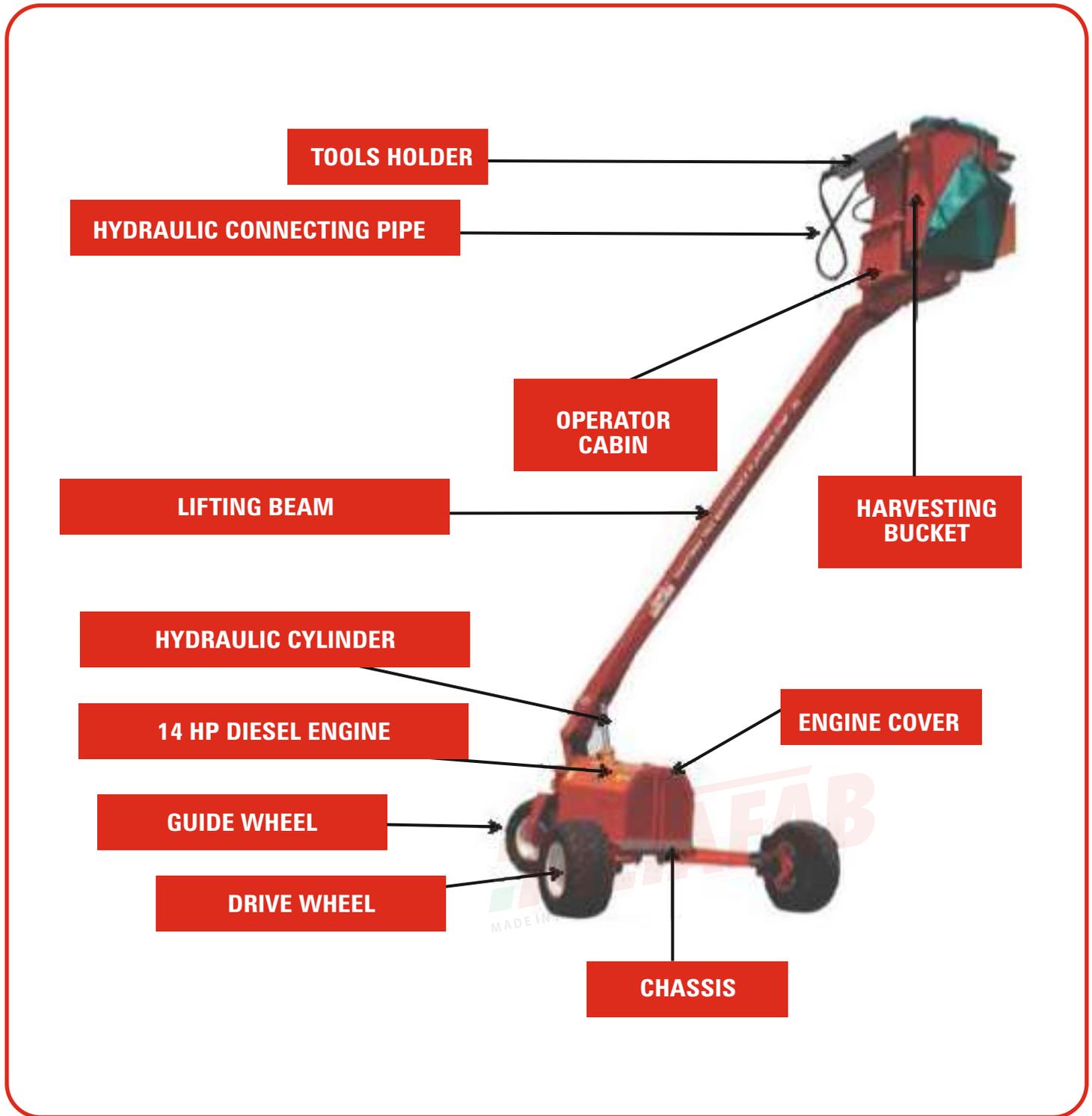
Hydraulic Operated Lopping & Pruning Tools

AT MUNICIPAL CORPORATIONS

- Public Garden / Road side tree trimming
- Public Garden Canopy maintenance
- Repair / Maintenance of Street Lights
- Civil Maintenance Work on Building
- Cleaning of buildings
- White washing / Painting of buildings
- Draining repair work on buildings
- Allied works etc which requires a person to work at an elevated height

This are a few illustrative uses there could be far more uses at a Municipal Corporation / Smart City for which it is an ideal machine

A PICTORIAL VIEW



SIMULATION MACHINE



ME-SM

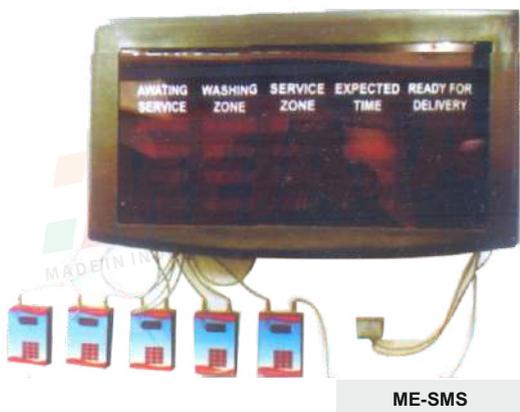
Safety is the first concern!

Simulation machine gives areal time driving experience to the user. With various kind of safety riding experience on the road with different time.

■ FEATURES

Simulation machine gives a real time driving experience to the user. With various kind of safety riding experience on the road with different time.

- ➔ Driving during day time.
- ➔ Driving during night time.
- ➔ Driving during fog time.



ME-SMS

Vehicle Service Status Board

To improve & monitor the actual customer satisfaction index (C.S.I) For a two wheeler workshop in the terms of service and delivery of the vehicles to the customers.

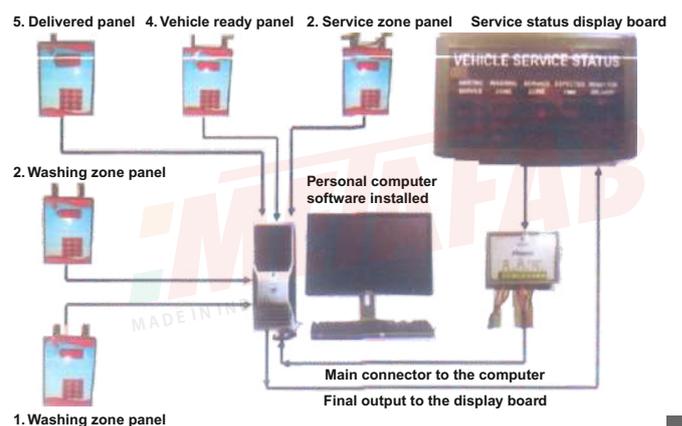
Service Status Board

- Service status board the digital display.
- Board on which one can see the status of his vehicle at the service center.
- Install in customer lounge.

Service Management System

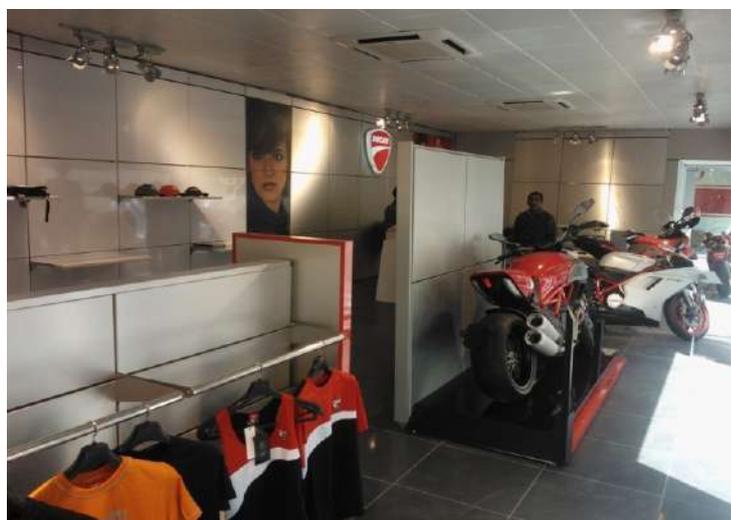
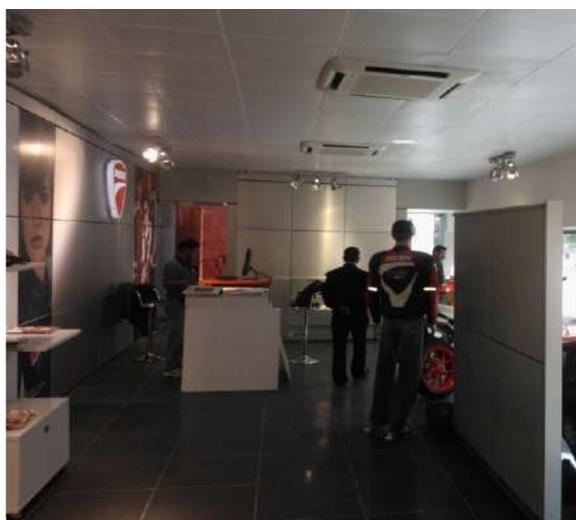
The display board has five columns

- Awaiting Service
- Washing Zone
- Service Zone
- Expected Time
- Ready for delivery
- Also MIS report is generated a the PC of workshop Manager were one can analyze the operation of the workshop in much detailed manner all the input are done through five keypad lloked at different location in the workshop.



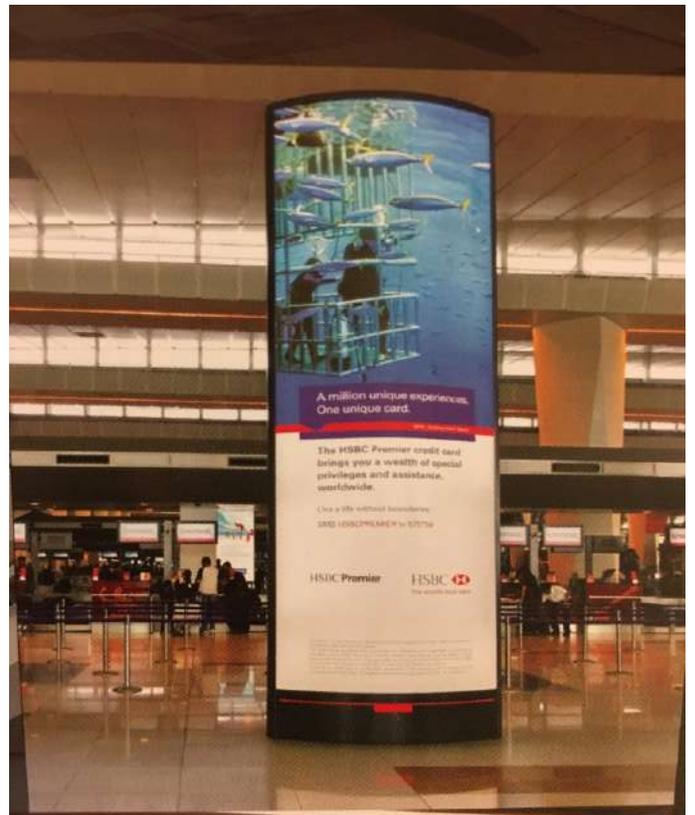
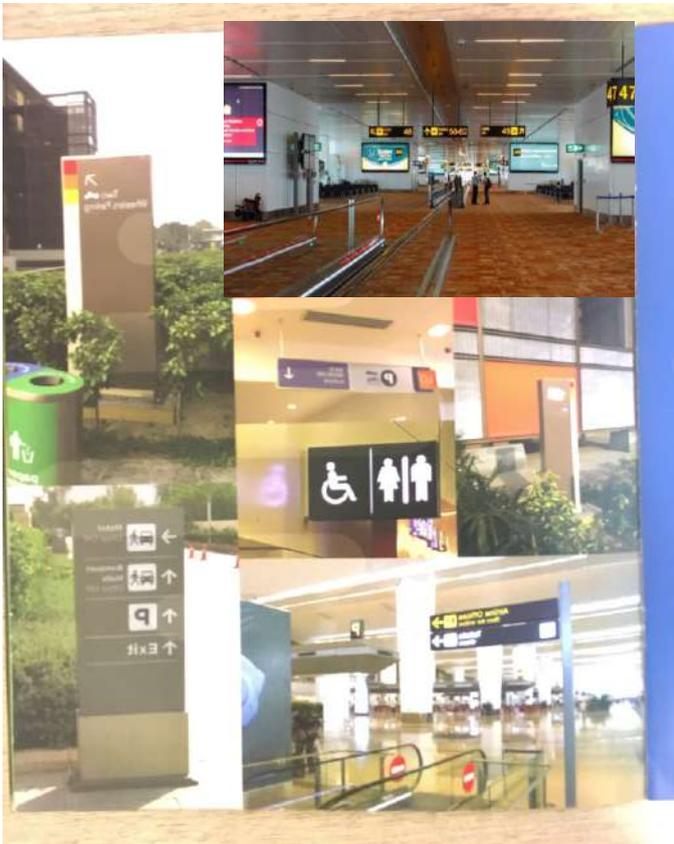
SHOWROOM ACCESSORIES







IDENTIFICATION SIGNAGE'S



EPOXY FLOOR COATING

BORN TO PROTECT YOUR FLOORS & WALLS

Benefits of Floor Coating

- Provides a cleaner, healthier more pleasant place for your employees to work in.
- Protect your concrete from wear making.
- Controls Dust.
- Protect the substrate from chemical and physical degradation.
- Cuts down on amount of lighting needed in plant.
- Makes your plant more appealing to your potential customers who may visit your facilities.
- Help keep your finished parts clean before delivery.
- Identifying aisles that direct traffic flow, define certain areas or designate the presence of hazards.
- Reduces the maintenance and cleaning costs.
- Uplifts in aesthetics.
- Quality service and pricing.



Durability

Provides floor with heavy duty protection from wear. It Prevents dusting of concrete, makes floor wear longer protects floor from Penetration of oil, grease and foreign matter, mechanically hardens the concrete by filling the pores and binding the particles provides a hard, yet elastic, durable damage resistance surface.

Ease of use

FIC floors are simple and concrete preparation is the key to long life and over all lower cost.

We deal with

- ▶ Epoxy Floor Coating
- ▶ PU Coating
- ▶ Decorative Coating
- ▶ ESD Flooring
- ▶ Coving
- ▶ Skating
- ▶ Bay Marking
- ▶ Zebra Marking
- ▶ Car Parking



Setting new standards in Epoxy Flooring

Significant developments have taken place in the past decade to enhance floor coating system technology with wide range of existing colours for more durable and economic flooring for various types of floors and industries.

Providing solutions for Flooring Problems

As per the current conditions of the floor we can provide best solutions to protect the existing flooring system.



FC Flooring - Reflects Quality

Make your floor Clean Durable and Beautiful We specialize in the finishing, sealing & repair of concrete floors.

A Brief Discription

Surface preparation is the hardest and most significant portion of any epoxy coating project. It could make or break the job Each surface and environments is different and unique. For the best performance from a coating system concrete must be clean and have a uniform open pores. Surface Preparation could turn what seems to be a simple process into a lengthy and difficult repair if t not done properly.

While not a definitive test, pouring a glass of water on the concrete and watching what happens can provide a valuable clue to coating adhesion. If the water soaks into the concrete quickly and eventually, the surface preparation is considered to be adequate.

Advantages

Epoxy primer has a good adhesion quality, hence no bubbles on floor, Second and third layer coating is of polyurethane which is flexible in nature. Topcoat of Epoxy ensures, good shining and scratch free floor that make your plant more appealing. Protect the substrate from degradation. High abrasion resistant



Shade Cards



MINI DIGITAL CALIPER

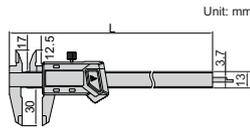
MINI DIGITAL CALIPER

ATTENTION:
NO DATA OUTPUT



1111-100A

- Resolution: 0.01mm/0.0005"
- Buttons: zero, mm/inch, on/off
- Automatic power off, move the digital unit to turn on power
- Battery LR44
- Meet DIN862
- Made of stainless steel



Code	Range	Accuracy	L
1111-100A	0-100mm/0-4"	±0.02mm	170mm

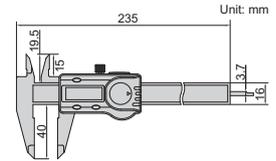
PLASTIC DIGITAL CALIPER

ATTENTION:
NO DATA OUTPUT



1139-150

- Made of hard plastic, non-magnetic and non-conductive
- Prevent workpieces from scratching by calipers
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off



Code	Range	Accuracy
1139-150	0-150mm/0-6"	±0.1mm

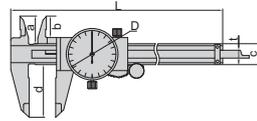
DIAL CALIPER

SHOCK
PROOF



1312-150A

- Shockproof dial indicator
- Made of stainless steel



Dial indicator graduation 0.02mm (mm)

Code	Range	Accuracy	L	a	b	c	d	D	t
1312-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	∅39	6.5
1312-200A*	0-200mm	±0.03mm	288	24	19	16	48	∅39	6.5
1312-300A*	0-300mm	±0.03mm	410	28	22	20	62	∅44.5	7.5

Dial indicator graduation 0.01mm (mm)

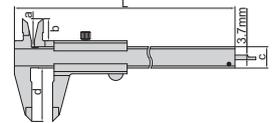
Code	Range	Accuracy	L	a	b	c	d	D	t
1311-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	∅39	6.5
1311-200A*	0-200mm	±0.03mm	288	24	19	16	48	∅39	6.5
1311-300A*	0-300mm	±0.03mm	410	28	22	20	62	∅44.5	7.5

*Supplied with manufacturer inspection certificate traceable to DKD Germany



1205-150S

- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



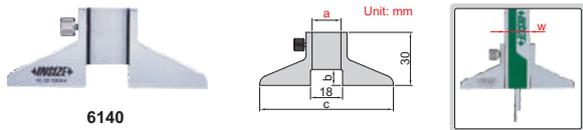
Graduation 0.05mm/1/128" (mm)

Code	Range	Accuracy	L	a	b	c	d
1205-150S	0-150mm/0-6"	±0.05mm	235	20.5	15.5	16	40
1205-200S	0-200mm/0-8"	±0.05mm	290	23.5	19	17	50
1205-300S	0-300mm/0-12"	±0.05mm	414	27.5	22	20	64

Graduation 0.02mm/0.001" (mm)

Code	Range	Accuracy	L	a	b	c	d
1205-1502S	0-150mm/0-6"	±0.03mm	235	20.5	15.5	16	40
1205-2002S	0-200mm/0-8"	±0.03mm	290	23.5	19	17	50
1205-3002S	0-300mm/0-12"	±0.03mm	414	27.5	22	20	64

DEPTH BASE ATTACHMENT



6140

- To increase the stability of depth measurement
- Suitable for digital calipers
- Made of stainless steel

Code	a	b	c	Application
6140	16.5mm	9mm	75mm	Suitable for digital calipers with beam width (w) 16mm

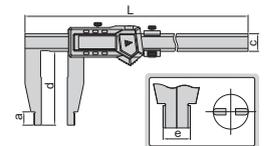
DIGITAL CALIPER

DATA
OUTPUT



1106-501

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable



Code	Range	Accuracy	a	c	d	e	L
1106-501	0-500mm/0-20"	±0.05mm	18	24	100	20	675
1106-601	0-600mm/0-24"	±0.05mm	18	24	100	20	770
1106-1002	0-1000mm/0-40"	±0.08mm	24	31	150	20	1220

Sizes available up to 3000mm

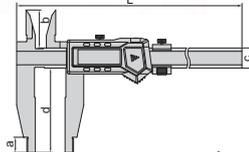
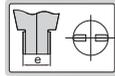
DIGITAL CALIPER

DATA OUTPUT



1136-501

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable



Code	Range	Accuracy	a	b	c	d	e	L
1136-501	0-500mm/0-20"	±0.05mm	18	45	24	100	20	675
1136-601	0-600mm/0-24"	±0.05mm	18	45	24	100	20	770

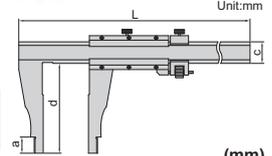
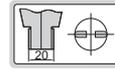
Sizes available up to 2000mm

VERNIER CALIPER



1214-600

- Graduation: 0.02mm/0.001"
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



Code	Range	Accuracy	a	c	d	L
1214-500	0-500mm/0-20"	±0.05mm	18	24	100	670
1214-600	0-600mm/0-24"	±0.05mm	18	24	100	770
1214-1000	0-1000mm/0-40"	±0.08mm	24	32	140	1216

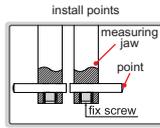
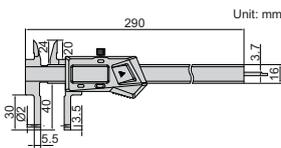
Sizes available up to 2000mm

DIGITAL CALIPER WITH INTERCHANGEABLE POINTS
CODE 1526-200

DATA OUTPUT



1526-200



depth stop 6143 (optional)



zero setting block for external measurement (included)



- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (code 1526-T101, 7392, 7391, 7381, 7321), depth stop (code 6143), data output cable

Point	Range	Accuracy	Application
short spherical points	12-212mm/0.5-8.5"(internal)	±0.03mm	for grooves inside small hole
long spherical/flat points	24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external)	±0.03mm	spherical points for grooves inside hole flat points for external grooves
spherical blade points	24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external)	±0.03mm	for narrow grooves inside hole

Point sleeve (optional)



Multifunctional points 7392 (optional)



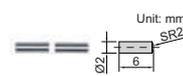
Ball points 7391 (optional)



Screw thread points 7381, 7321 (optional)



Short spherical points (included)



Long spherical/flat points (included)



Spherical blade points (included)

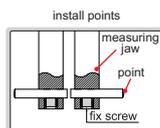
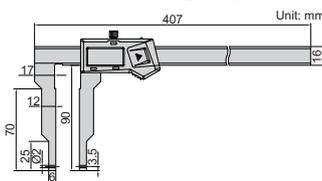


DIGITAL CALIPER WITH INTERCHANGEABLE POINTS
CODE 1124-300A

DATA OUTPUT



1124-300A



depth stop 6143 (optional)



zero setting block for external measurement (included)



Multifunctional points 7392 (optional)



Ball points 7391 (optional)



Screw thread points 7381, 7321 (optional)



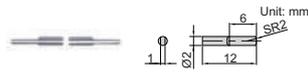
Short spherical/flat points (included)



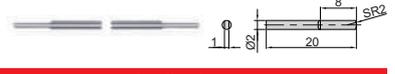
Long spherical/flat points (included)



Short spherical blade points (included)



Long spherical blade points (included)



- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (code 1526-T101, 7392, 7391, 7381, 7321), depth stop (code 6143), data output cable

Point	Range	Accuracy	Application
short spherical/flat points	24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external)	±0.04mm	spherical points for grooves inside hole (small hole) flat points for external grooves
long spherical/flat points	40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external)	±0.04mm	spherical points for grooves inside hole (large hole) flat points for external grooves
short spherical blade points	24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external)	±0.04mm	for narrow grooves inside hole (small hole)
long spherical blade points	40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external)	±0.04mm	for narrow grooves inside hole (large hole)

DIGITAL INSIDE GROOVE CALIPER

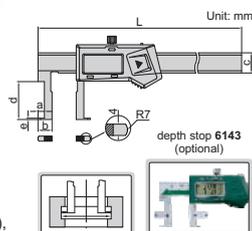
DIGITAL INSIDE GROOVE CALIPER

DATA OUTPUT



1120-150A

- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable



Code	Range	Accuracy	L	a	b	c	d	e
1120-150A	22-150mm	±0.04mm	250	5	11	16	30	1
1120-200A	25-200mm	±0.04mm	310	5	12.5	16	40	1

Sizes available up to 300mm

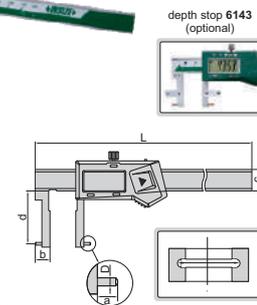
DIGITAL INSIDE POINT CALIPER

DATA OUTPUT



1121-150A

- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable



Code	Range	Accuracy	L	a	b	c	d	D
1121-150A	24-150mm	±0.04mm	250	5	12	16	30	∅2

Sizes available up to 300mm

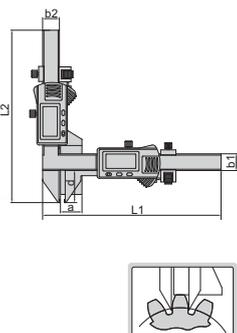
DIGITAL GEAR TOOTH CALIPER

DATA OUTPUT



1181-M25A

- Resolution: 0.01mm/0.0005"
- Carbide tips
- Buttons: zero, on/off, mm/inch
- Battery LR44
- Data output
- Made of stainless steel
- Optional accessory: data output cable



Code	Range	Accuracy	L1	L2	a	b1	b2	d
1181-M25A	M1-25mm	±0.04mm	170	165.5	21	16	16	30.5

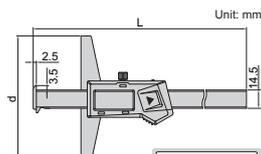
DIGITAL DOUBLE HOOK DEPTH GAGE

DATA OUTPUT



1144-150A

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable



Code	Range	Accuracy	L	d
1144-150A	0-150mm/0-6"	±0.03mm	233	100
1144-200A	0-200mm/0-8"	±0.03mm	283	100
1144-300A	0-300mm/0-12"	±0.03mm	383	150

DIGITAL DEPTH GAGE WITH ROUND BORE DEPTH BAR

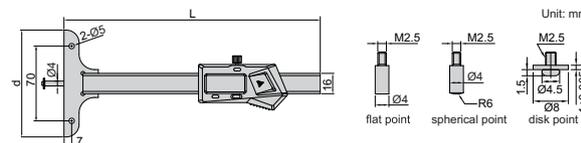
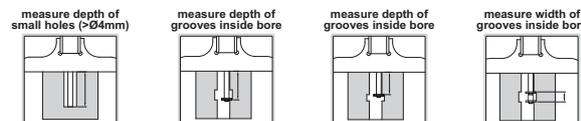
DATA OUTPUT

MEASURE DEPTH OF SMALL HOLES (>∅4mm)

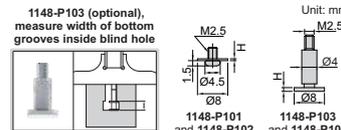
MEASURE WIDTH AND DEPTH OF GROOVES INSIDE BORE



1148-200



- Resolution: 0.01mm/0.0005"
- Supplied with three interchangeable points (flat, spherical, disk)
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable, disk points (see below table), extension base (code 6141, for 1148-200)



Code	Range	Accuracy	L	d	Remark
1148-200	0-200mm/0-8"	±0.03mm	300	101	with mounting holes for extension base

*When disk points are used, the range is reduced by 10mm

OPTIONAL DISK POINTS

Code	Description	H	Remark
1148-P101	0.5mm disk point	0.5±0.005mm	for narrow grooves
1148-P102	0.7mm disk point	0.7±0.005mm	for narrow grooves
1148-P103	1mm disk point	1±0.005mm	for grooves inside blind hole
1148-P104	0.5mm disk point	0.5±0.005mm	for grooves inside blind hole

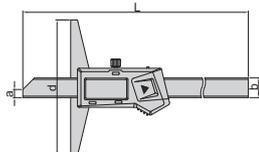
DIGITAL DEPTH GAGE (STANDARD MODEL)

DATA OUTPUT



1141-150A

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable



Code	Range	Accuracy	L	a	b	d
1141-150A	0-150mm/0-6"	±0.03mm	230	6	14.5	100
1141-200A	0-200mm/0-8"	±0.03mm	280	6	14.5	100
1141-300A	0-300mm/0-12"	±0.03mm	380	6	14.5	150

Sizes available up to 500mm

VERNIER DEPTH GAGE (STANDARD MODEL)



1240-200

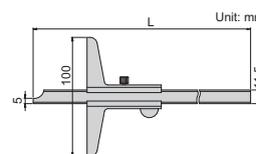
Graduation 0.02mm (mm)

Code	Range	Accuracy	L
1240-1501	0-150mm	±0.03mm	245
1240-2001	0-200mm	±0.03mm	282
1240-3001	0-300mm	±0.04mm	382

Graduation 0.05mm (mm)

Code	Range	Accuracy	L
1240-150	0-150mm	±0.05mm	245
1240-200	0-200mm	±0.05mm	282
1240-300	0-300mm	±0.08mm	382

- Made of stainless steel
- Satin chrome plated reading surface



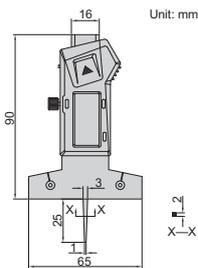
Sizes available up to 500mm

DIGITAL DEPTH GAGE

DATA OUTPUT



1145-25A



- Measure depth of small groove and hole, also measure depth of tire tread
- Buttons: on/off, zero, mm/inch
- Supplied with zero set surface
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable



Code	Range	Accuracy	Resolution
1145-25A	0-25mm/0-1"	±0.03mm	0.01mm/0.0005"

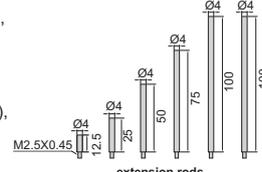
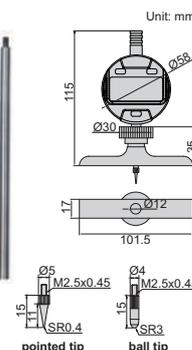
DIGITAL DEPTH GAGE

DATA OUTPUT



2141-202A

- Digital indicator stroke: 12.7mm/0.5"
- Digital indicator resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset, change measuring direction
- CR2032 battery, automatic power off
- Data output
- Stainless steel base
- Extension rods: 12.5mm (1pc), 25mm (1pc), 50mm (1pc), 75mm (1pc), 100mm (2pcs)
- Supplied with pointed tip and ball tip
- Optional accessory: data output cable

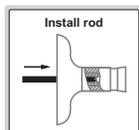


Code	Range	Accuracy	Base
2141-202A	0-300mm/0-12"	±0.02mm	101.5x17mm

DIGITAL DEPTH MICROMETER

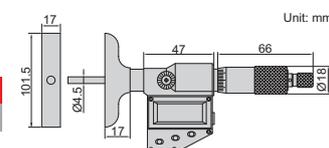
IP54 WATERPROOF

DATA OUTPUT



3540-150

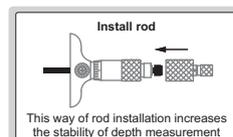
- Resolution: 0.001mm/0.00005"
- Micrometer head accuracy: +/-3µm
- Rod accuracy: +/- (2+L/75)µm, L is the measuring range in mm
- Button function: on/off, set, mm/inch, ABS/INC, data output
- IP54 dust/waterproof
- Data output
- LR44 battery, automatic power off
- Rods with flat end
- Ratchet stop
- Optional accessory: data output cable



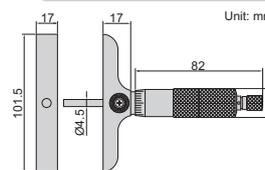
Code	Range	Rods
3540-150	0-150mm/0-6"	6pcs

Sizes available up to 300mm

DEPTH MICROMETER



3241-150



- Graduation: 0.01mm
- Micrometer head accuracy: +/-3µm
- Rod accuracy: +/- (2+L/75)µm, L is the measuring range in mm
- Rods with flat end
- Ratchet stop

Code	Range	Rods
3241-150	0-150mm	6pcs
3241-300	0-300mm	12pcs

LIGHT DUTY DIGITAL HEIGHT GAGE

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ABS/INC is for absolute and incremental measurement
- TOL is for tolerance measurement
- Carbide tipped scriber
- Made of stainless steel (except the base)
- LR44 battery
- Data output
- Supplied with dial test indicator holder
- Supplied with dust cover
- Optional accessory: data output cable (code 7301-SPC5)



1150-300

(mm)

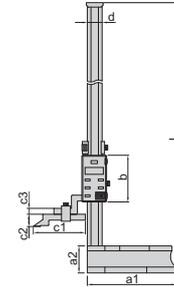
Code	Range	Accuracy	L	a1	a2	b	c1	c2	c3	d	e	f
1150-300	0-300mm/0-12"	±0.04mm	470	135	45	80	76	25	10	23	6	8

Sizes available up to 2000mm

ATTENTION:
BASIC MODEL

DATA
OUTPUT

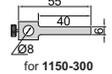
supplied with dust cover
(included)



dial test indicator
holder (optional)



Unit: mm

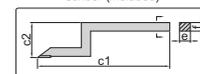


for 1150-300

data output cable
(optional)



scriber (included)



DIGITAL HEIGHT GAGE WITH DRIVING WHEEL

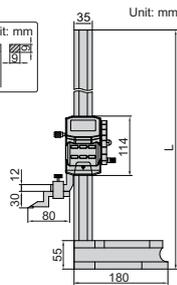
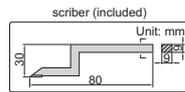
DATA
OUTPUT

METAL
RACK

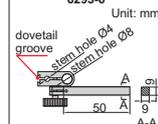


1156-300

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, preset (+, -), hold
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032
- Data output
- Supplied with dust cover
- Optional accessory: data output cable, dial test indicator holder (code 6293-6)



dial test indicator
holder (optional)



(mm)

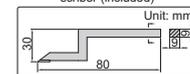
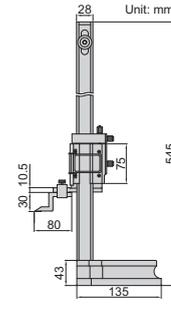
Code	Range	Accuracy	L
1156-300	0-300mm/0-12"	±0.03mm	515
1156-600	0-600mm/0-24"	±0.05mm	815

VERNIER HEIGHT GAGE



1250-300

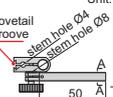
- Graduation: 0.02mm/0.001"
- Adjustable main scale to set zero
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Supplied with magnifier
- With fine adjustment
- Supplied with dust cover
- Optional accessory: dial test indicator holder (code 6293-6)



dial test indicator
holder (optional)



Unit: mm



supplied with dust
cover (included)



Code	Range	Accuracy
1250-300	0-300mm/0-12"	±0.04mm

Sizes available up to 600mm

DIGITAL OUTSIDE MICROMETER



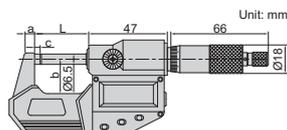
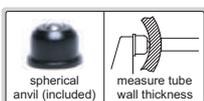
3101-25A

- Resolution: 0.001mm/0.0005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable



IP65
WATERPROOF

DATA
OUTPUT



Unit: mm

Code	Range	Accuracy	L	a	b	c
3101-25A*	0-25mm/0-1"	±2µm	32.5	6	24	3
3101-50A*	25-50mm/1-2"	±2µm	57.5	8	32	3

*Supplied with manufacturer inspection certificate traceable to DKD Germany
- Sizes available up to 300mm

METRIC DIGITAL OUTSIDE MICROMETER

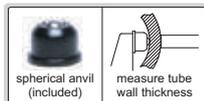


3108-25A

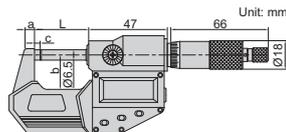
IP54
WATERPROOF

INSIZE
MANUFACTURER
INSPECTION CERTIFICATE
TRACEABLE TO DKD

**ATTENTION: NO
DATA OUTPUT**



- Resolution: 0.001mm
- IP54 dust/waterproof
- Button function: on/off, set, ABS/INC
- No data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm)



Code	Range	Accuracy	L	a	b	c
3108-25A*	0-25mm	±2µm	32.5	6	24	3
3108-50A*	25-50mm	±2µm	57.5	8	32	3
3108-75A*	50-75mm	±3µm	82.5	8	44.5	3
3108-100A*	75-100mm	±3µm	107.5	8	57	3

*Supplied with manufacturer inspection certificate traceable to DKD Germany
- Sizes available up to 200mm

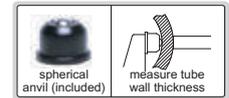
DIGITAL OUTSIDE MICROMETER



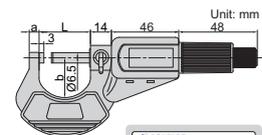
3109-25A

INSIZE
MANUFACTURER
INSPECTION CERTIFICATE
TRACEABLE TO DKD

**ATTENTION: NO
DATA OUTPUT**



- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



Code	Range	Accuracy	L	a	b
3109-25A*	0-25mm/0-1"	±2µm	32	6	27.5
3109-50A*	25-50mm/1-2"	±2µm	57	8	37
3109-75A*	50-75mm/2-3"	±3µm	82	8	50
3109-100A*	75-100mm/3-4"	±3µm	107	10	61



*Supplied with manufacturer inspection certificate traceable to DKD Germany

OUTSIDE MICROMETER



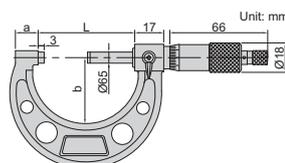
3203-50A



3203-25A

INSIZE
MANUFACTURER
INSPECTION CERTIFICATE
TRACEABLE TO DKD

- Graduation: 0.01mm
- Carbide measuring faces
- Ratchet stop
- Meet DIN863
- Supplied with setting standards (except 0-25mm)



Code	Range	Accuracy	L	a	b
3203-25A*	0-25mm	4µm	32	9	28
3203-50A*	25-50mm	4µm	57	14	38
3203-75A*	50-75mm	5µm	82	15	49
3203-100A*	75-100mm	5µm	107	15	60
3203-125A	100-125mm	6µm	133	16.5	73
3203-150A	125-150mm	6µm	158	16.5	85
3203-175A	150-175mm	7µm	183	19.4	104
3203-200A	175-200mm	7µm	209	19.4	117
3203-225A	200-225mm	8µm	234	19.4	130
3203-250A	225-250mm	8µm	260	19.4	142
3203-275A	250-275mm	9µm	285	19.4	155
3203-300A	275-300mm	9µm	310	19.4	168

*Supplied with manufacturer inspection certificate traceable to DKD Germany

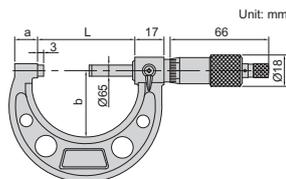
1µm GRADUATION OUTSIDE MICROMETER



3210-25A

INSIZE
MANUFACTURER
INSPECTION CERTIFICATE
TRACEABLE TO DKD

- Graduation: 0.001mm
- Carbide measuring faces
- Meet DIN863
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



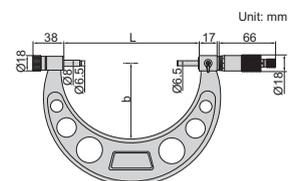
Code	Range	Accuracy	L	a	b
3210-25A*	0-25mm	4µm	32	9	28
3210-50A*	25-50mm	4µm	57	14	38

*Supplied with manufacturer inspection certificate traceable to DKD Germany
- Sizes available up to 200mm

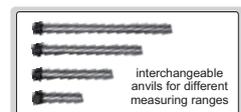
OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS



3206-150A



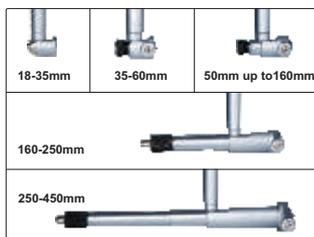
- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



Code	Range	Accuracy	L	b	Setting standard (included)
3206-150A	0-150mm	6µm	158	82	25, 50, 75, 100, 125
3206-300A	150-300mm	9µm	308	165	150, 175, 200, 225, 250, 275

Sizes available up to 1000mm

BORE GAGE

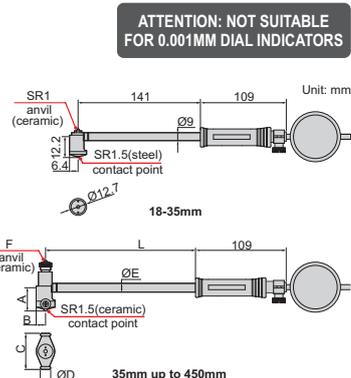


- Optional accessory: setting ring (code 6312), long handle (code 7351)

Code	Range	Indicator	Accuracy	Repeatability
2322-35A	18-35mm	dial indicator, range 10mm graduation 0.01mm (code 2308-10FA)	±0.015mm	0.003mm
2322-60A	35-60mm		±0.018mm	0.003mm
2322-160A	50-160mm		±0.018mm	0.003mm
2322-250A	160-250mm		±0.018mm	0.003mm
2322-450A	250-450mm		±0.018mm	0.003mm



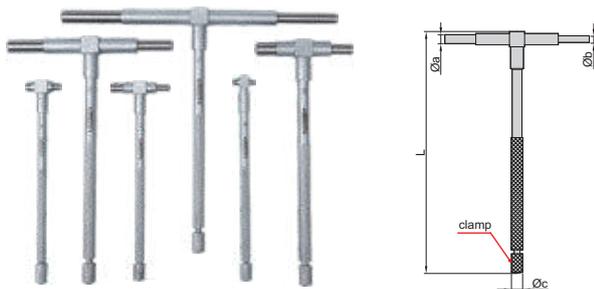
2322-35A



Range	A	B	C	ØD	ØE	F	L
35-60mm	22	9	27	13	12.8	SR2	141
50-160mm	26	9	35	13	12.8	SR2	141
160-250mm	56.5	13	74.5	15	12.8	SR2	241
250-450mm	86.5	15	101.5	15	14.5	SR2.5	241

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

TELESCOPING GAGE SET

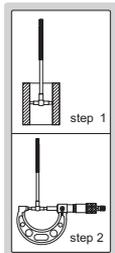


4206-1

- 6 gages per set
- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish

Range	L	Øa	Øb	Øc
8-12.7mm	115	3.9	2.9	6.2
12.7-19mm	115	5.3	3.8	6.2
19-32mm	115	5.3	3.8	6.2
32-54mm	137	7.6	6.1	7.2
54-90mm	137	7.6	6.1	7.2
90-150mm	137	7.6	6.1	7.2

Code	Total range	Gages included
4206-1	8-150mm	8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm

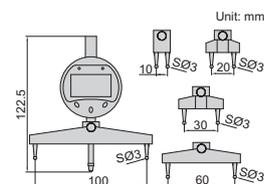
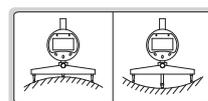


DIGITAL RADIUS GAGE



2183

- Measure radius of internal and external arcs
- Supplied with 5 jaws for different sizes of arc
- Battery CR2032



Code	Range of radius (R)	Resolution	Accuracy (mm)
2183	5-700mm/0.2-27.5"	0.005mm/0.00005"	±0.01R*

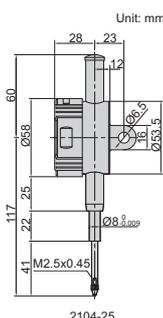
*R is the radius to be measured

ATTENTION: NO DATA OUTPUT

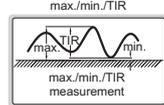
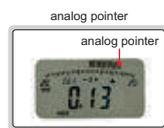
DIGITAL INDICATOR (ADVANCED MODEL)



2104-25



spindle lift knob is included



- Reading in digit and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable, backs, contact points



DATA OUTPUT

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark
2104-10*	12.7mm/0.5"	20µm	10µm	lug back
2104-25*	25.4mm/1"	20µm	10µm	lug back
2104-10F*	12.7mm/0.5"	20µm	10µm	flat back
2104-25F*	25.4mm/1"	20µm	10µm	flat back

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL TEST INDICATOR HOLDER



6293-1

Code	Stem section	Stem length (L)
6293-1	9x9mm	100mm



DIAL TEST INDICATOR CENTERING HOLDER



6291-1

Code
6291-1



- Center cylinders or holes on machine tools

DIAL TEST INDICATOR UNIVERSAL HOLDER



6297-1

- Set the indicators at the desired attitude to the workpiece

Code
6297-1

MAGNETIC STAND

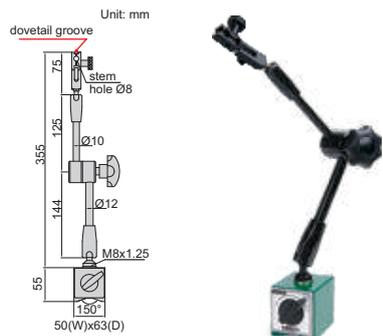


- For digital/dial indicators and dial test indicators

Code	Magnetic force	Applicable holding stem	Remark
6200-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	without fine adjustment
6201-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment
6202-80	80kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment
6202-100	100kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment

UNIVERSAL MAGNETIC STAND (LIGHT DUTY)

ATTENTION: LOW LOCKING FORCE



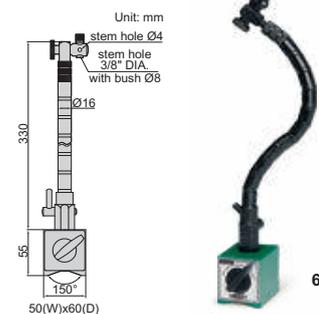
- Magnetic force: 80kgf
- Applicable holding stem: Ø8mm
- For digital/dial indicators and dial test indicators

Code	Remark
6208-80A	with fine adjustment and dovetail groove

6208-80A

FLEX ARM MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY



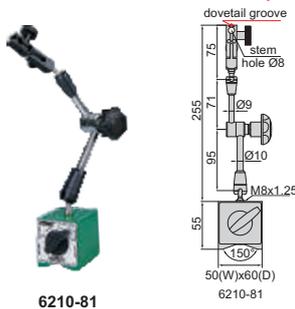
- For dial test indicators

Code	Magnetic force	Applicable holding stem
6207-80A	80kgf	Ø8mm, Ø4mm, 3/8" DIA.

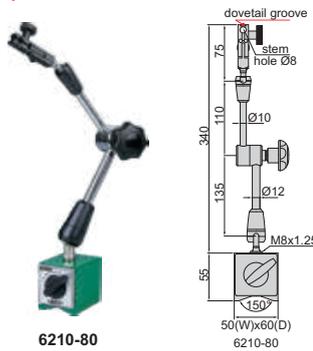
6207-80A

UNIVERSAL MAGNETIC STAND

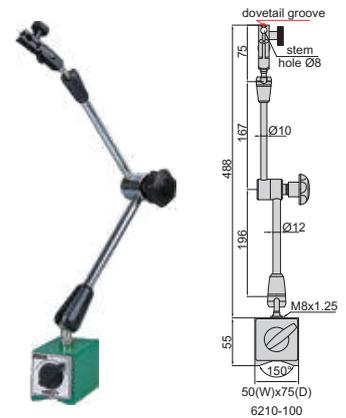
UNIVERSAL MAGNETIC STAND (HEAVY DUTY)



6210-81



6210-80



6210-100

- For digital/dial indicators and dial test indicators

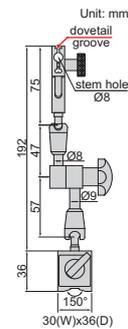
Code	Magnetic force	Applicable holding stem	Remark
6210-81	80kgf	Ø8mm	with fine adjustment and dovetail groove
6210-80	80kgf	Ø8mm	with fine adjustment and dovetail groove
6210-100	100kgf	Ø8mm	with fine adjustment and dovetail groove

MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY



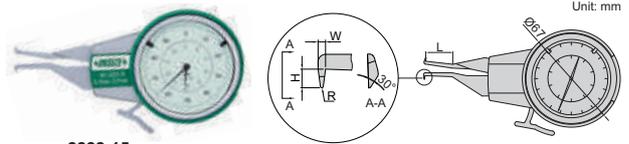
6224-40



- For dial test indicators
- With fine adjustment and dovetail groove

Code	Magnetic force	Applicable holding stem
6224-40	40kgf	Ø8mm

INTERNAL DIAL CALIPER GAGE

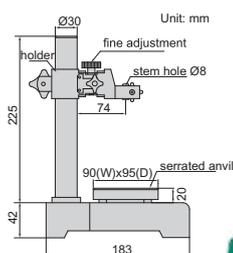


2222-15

Code	Range	Graduation	Accuracy	L	H	W	R
2222-15	5-15mm	0.01mm	±0.03mm	20	2	2.5	R0.3

DIAL GAGE STAND

supplied with dust cover (included)



6863-150

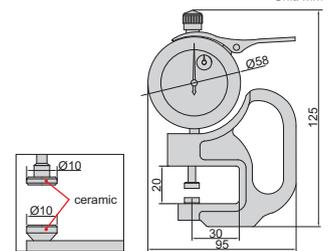
- Vertical travel of holder: 150mm
- Fine adjustment range: 2mm
- Supplied with dust cover

Code	Applicable holding stem	Anvil
6863-150	Ø8mm	serrated, flatness 1.5µm, hardness HRC60±2

THICKNESS GAGE



2364-10



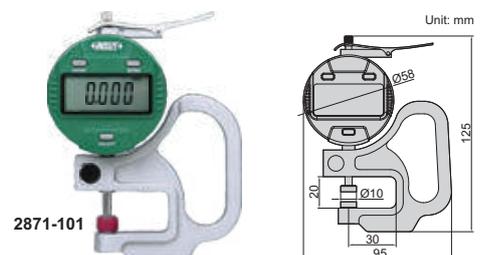
Code	Range	Graduation	Accuracy
2364-10	0-10mm	0.01mm	±0.02mm

DIGITAL THICKNESS GAGE

- Ceramic spindle tip and anvil
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off
- Data output
- Optional accessory: data output cable

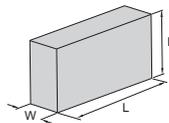
DATA OUTPUT

Code	Range	Resolution	Accuracy
2871-10	0-10mm/0-0.4"	0.01mm/0.0005"	±0.02mm
2871-101	0-10mm/0-0.4"	0.001mm/0.00005"	±0.005mm



2871-101

STEEL GAGE BLOCK SET



Dimension: (mm)

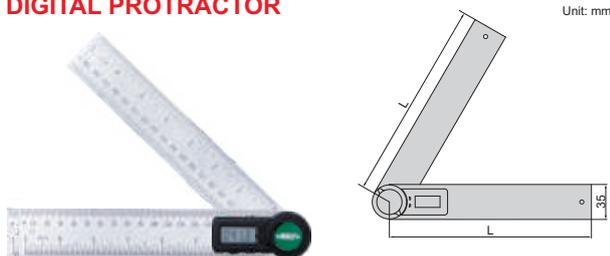
Size (L)	W	H
$0.5 \leq L < 10\text{mm}$	9	30
$L > 10\text{mm}$	9	35

- Made of alloy steel
- Meet ISO3650
- Supplied with manufacturer inspection certificate

4100-232

Blocks per set	Gage blocks included in set			Code	
	Size (mm)	Step (mm)	Quantity	Grade 2	
47	1.005		1	4100-247	
	1.01-1.19	0.01	19		
	1.2-1.9	0.1	8		
	1-9	1	9		
	10-100	10	10		
32	1.005		1	4100-232	
	1.01-1.09	0.01	9		
	1.1-1.9	0.1	9		
	1-9	1	9		
	10-30	10	3		
	50		1		

DIGITAL PROTRACTOR



2176-200

- Buttons: on/off, zero
- With clamping screw to lock the blades
- Graduation of blade: 1mm and 1/32"
- Made of stainless steel
- CR2032 battery
- Automatic power off

Code	Size (L)	Range	Resolution	Accuracy
2176-200	200mm	0 - 360°	0.1°	±0.3°
2176-300	300mm	0 - 360°	0.1°	±0.3°

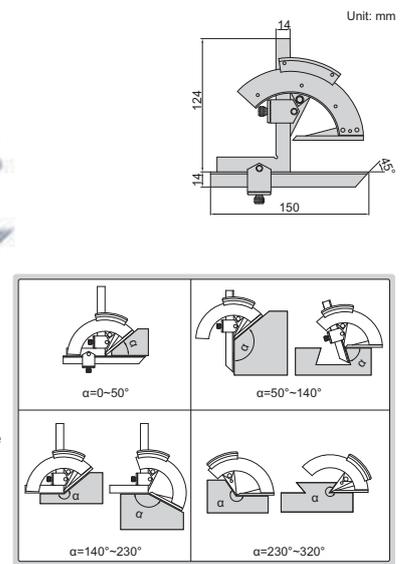
PROTRACTOR



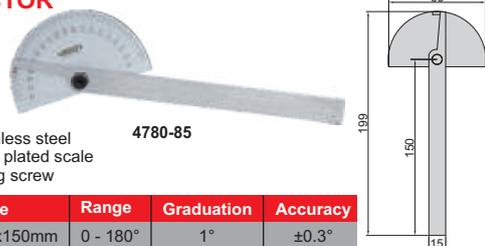
2374-320

- Graduation: 2'
- Accuracy: ±2'
- Made of stainless steel
- Satin chrome plated scale

Code	Range
2374-320	0 - 320°



PROTRACTOR

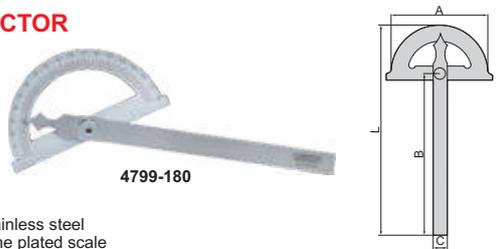


4780-85

- Made of stainless steel
- Satin chrome plated scale
- With clamping screw

Code	Size	Range	Graduation	Accuracy
4780-85	85x150mm	0 - 180°	1°	±0.3°

PROTRACTOR

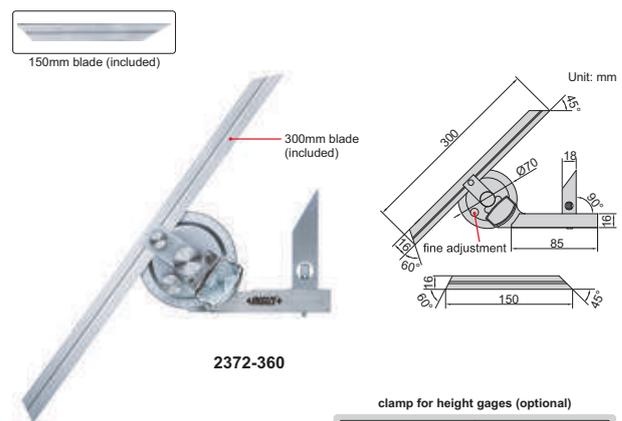


4799-180

- Made of stainless steel
- Satin chrome plated scale
- With clamping screw

Code	Size (AxB)	Range	Graduation	Accuracy	L	C
4799-180	80x120mm	0-180°	1°	±0.3°	168	11
4799-1120	120x150mm	0-180°	1°	±0.3°	220	14
4799-1150	150x200mm	0-180°	1°	±0.3°	285	16
4799-1200	200x300mm	0-180°	1°	±0.3°	413	20

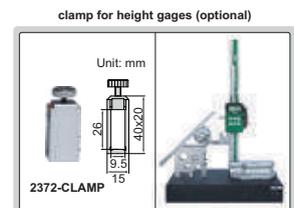
UNIVERSAL PROTRACTOR



2372-360

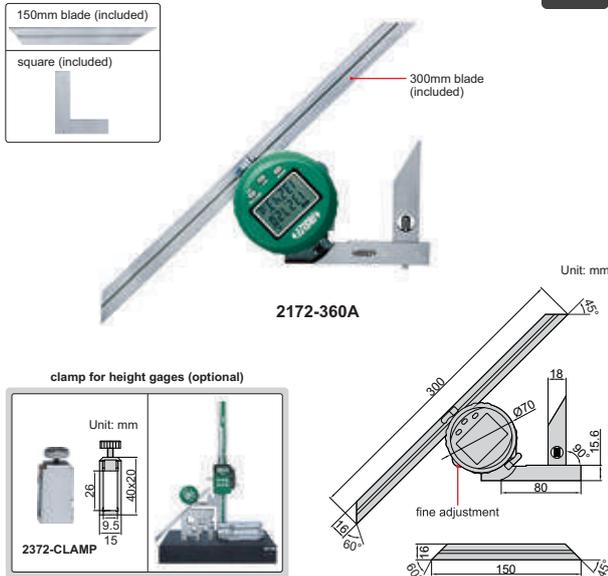
- Parallax-free reading
- Made of stainless steel
- Optional accessory: clamp (code 2372-CLAMP), suitable for height gages 1156, 1351 and 1250

Code	Range	Graduation	Accuracy
2372-360	0 - 360°	5'	±5'



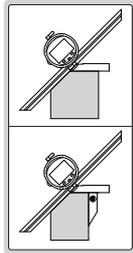
DIGITAL PROTRACTOR

DIGITAL PROTRACTOR



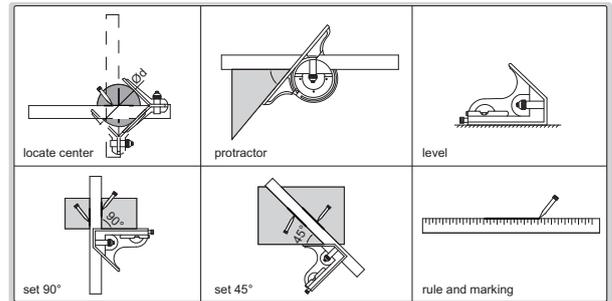
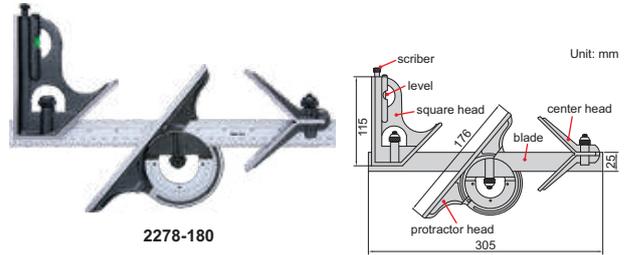
DATA OUTPUT

- Display in degree (for example 32.655°) and degree/minute/second (for example 32°39'30")
- SET button: preset the reading, change measuring direction
- MODE button: choose 0-90°, 0-180° or 0-360° display
- ZERO/ON/OFF button: zero and power on/off
- Battery CR2032, automatic power off
- Data output
- Supplied with square to set 90°
- Made of stainless steel
- Optional accessory: data output cable, clamp (code 2372-CLAMP), suitable for height gages 1156, 1351 and 1250



Code	Range	Graduation	Accuracy
2172-360A	0 - 360°	10"/0.005°	±5'

COMBINATION SQUARE SET



- Center head:
To locate center of cylinder with diameter (Ød): 30-100mm
Accuracy: ±0.15mm
- Protractor head:
To set the blade at desired angle to an edge of a workpiece, and can be used to measure angles
Range: 0-180°
Accuracy: ±7min.
- Square head:
To set the blade at 90° or 45° to an edge of a workpiece
Accuracy: ±8min for 90° square, ±10min for 45° square
- Blade:
Range: 300mm/12",
Graduation: 0.5mm and 1/32" on front face, 1mm and 1/64" on back face
- Optional accessory: rigid rule (code 7113)

Code
2278-180

90° BEVELED EDGE SQUARE

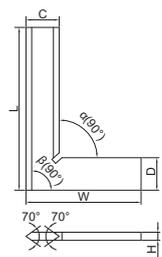
- DIN875 grade 00
- Satin chrome plating
- Beveled edges for inside and outside measurement
- Made of hardened stainless steel

Code	Size (LxW)	Squareness		C	D	H
		Inside (α)	Outside (β)			
4790-0100	100x70mm	2.8µm	3.0µm	20	20	5
4790-0150	150x100mm	3.2µm	3.5µm	30	30	6

Sizes available up to 300x200mm



4790-0100

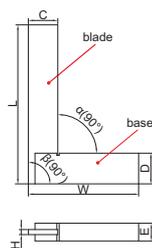


MACHINIST SQUARE WITH WIDE BASE

ATTENTION:
LOW ACCURACY



4707-100



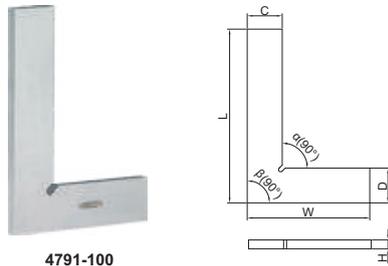
- Economic model
- DIN875 grade 2
- Made of carbon steel, no anti-rust treatment, not hardened

Code	Size (LxW)	Squareness		C	D	H	E
		Inside (α)	Outside (β)				
4707-100	100x70mm	28µm	30µm	19	19	3	12
4707-150	150x100mm	33µm	35µm	25	25	3	16
4707-200	200x130mm	37µm	40µm	30	32	4	16
4707-300	300x200mm	47µm	50µm	32	32	4	19

Sizes available up to 1000x550mm

90° FLAT EDGE SQUARE

- DIN875 grade 0
- Made of hardened stainless steel



4791-100

(mm)

Code	Size (LxW)	Squareness		C	D	H
		Inside (α)	Outside (β)			
4791-100	100x70mm	7μm	7μm	20	20	5

Sizes available up to 300x200mm

STRAIGHT EDGE

- DIN874
- Beveled edge
- Made of hardened stainless steel
- Satin chrome plating



4700-150



Code	Size (L)	Straightness	W	H
4700-150	150mm	2.6μm	6mm	30mm

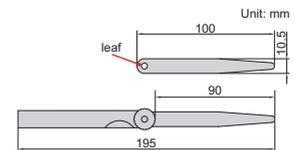
Sizes available up to 500mm

FEELER GAGE

- Made of hardened alloy steel
- Meet DIN2275
- Accuracy: $\pm(3+T/80)$ μm, 'T' is the thickness of leaves in μm



4602-32



Unit: mm

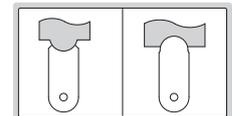
Code	Range	Thickness of leaves included (mm)	Quantity of leaves
4602-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20
4602-32	0.03-1.00mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.13, 0.15, 0.18, 0.20, 0.23, 0.25, 0.28, 0.30, 0.33, 0.35, 0.38, 0.40, 0.45, 0.50, 0.55, 0.60, 0.63, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1.00	32

RADIUS GAGE

- Made of medium carbon steel

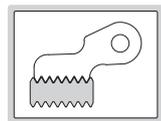


4801-17



Code	Range	Radius of leaves included (mm)	Quantity of leaves (internal+external)	Accuracy
4801-17	1-7mm	1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7	17+17	±0.03mm
4801-16	7.5-15mm	7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15	16+16	±0.035mm
4801-15	15.5-25mm	15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 21, 22, 23, 24, 25	15+15	±0.042mm

PITCH GAGE



4820-452

- Check the pitch of screw thread
- Accuracy: ±0.07mm
- Made of medium carbon steel

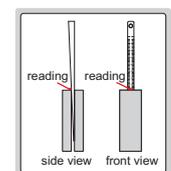
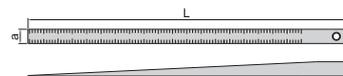
Metric 60° and Whitworth 55° screw

Code	Range	Pitch of leaves included	Quantity of leaves
4820-452	0.25-6mm	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6mm	52
	4-62TPI	4, 4-1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62TPI	

TAPER GAGE



4630-1

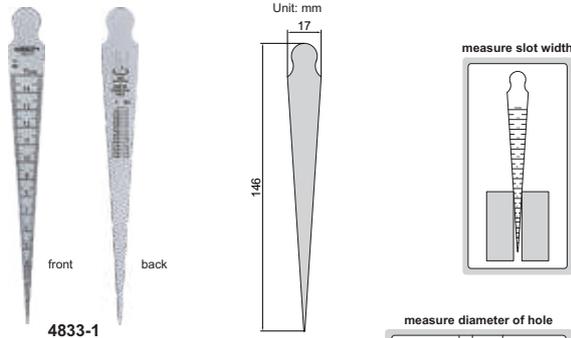


- For quick measurement of gap width
- Stain chrome plated reading surface
- Made of stainless steel

Code	Range	Graduation	Accuracy	L	a	b
4630-1	0.5 - 10mm	0.05mm	±0.07mm	220mm	10mm	10.5mm

TAPER GAGE

TAPER GAGE

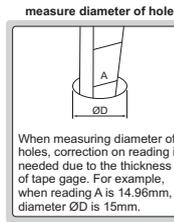


4833-1

- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back (only for 4833-1)
- Made of stainless steel

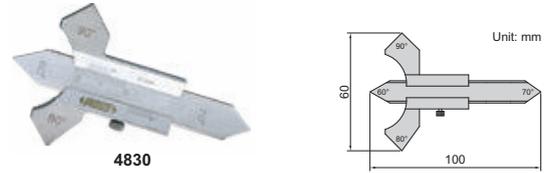
Code	Range	Graduation	Accuracy
4833-1	0.8-15mm	0.1mm	±0.1mm

Sizes available up to 60mm



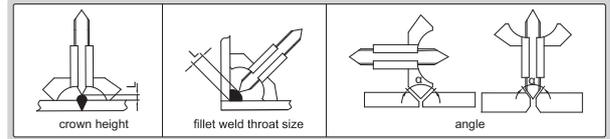
When measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. For example, when reading A is 14.96mm, diameter OD is 15mm.

WELDING GAGE



4830

- Made of stainless steel
- Stain chrome plated reading surface



Code	Measurement	Range	Graduation	Accuracy
4830	crown height	0 - 8mm	0.1mm	±0.1mm
	fillet weld throat size	0 - 20mm	0.1mm	±0.3mm
	angle	60°, 70°, 80°, 90°	—	±1°

WELDING GAGE

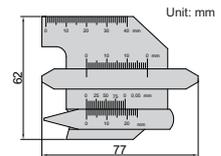


front

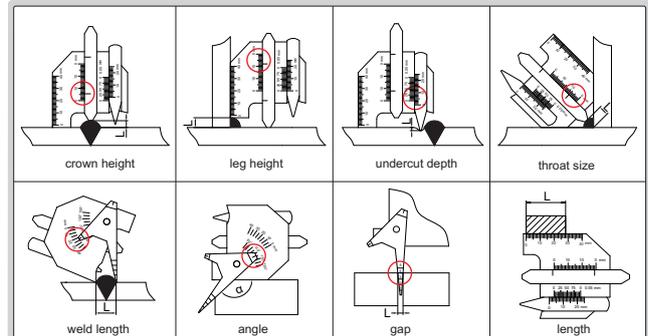
4838-1

back

- Made of stainless steel



Code	Measurement	Range	Graduation	Accuracy
4838-1	crown height	0-10mm	1mm	±0.5mm
	leg height	0-14mm	1mm	±0.5mm
	undercut depth	0-5mm	0.05mm	±0.05mm
	throat size	0-13mm	1mm	±0.5mm
	weld length	0-40mm	1mm	±1mm
	angle	90°-150°	5°	±1°
	gap	0.5-5mm	1mm	±0.5mm
	length	0-40mm	1mm	±0.5mm



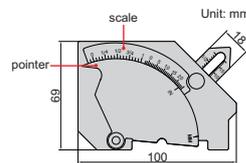
WELDING GAGE



front

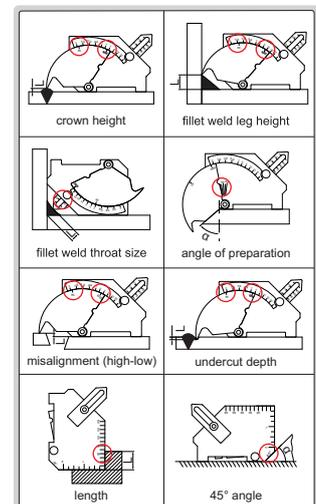
4835-1

back



- Adjustable scale to compensate pointer wear
- Made of stainless steel

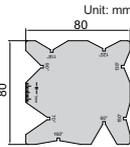
Code	Measurement	Range	Graduation	Accuracy
4835-1	crown height	0-25mm (0-1")	1mm (1/16")	±0.5mm
	fillet weld leg height	0-25mm (0-1")	1mm (1/16")	±0.5mm
	misalignment (high-low)	0-25mm (0-1")	1mm (1/16")	±0.5mm
	undercut depth	0-2mm (0-1/8")	1mm (1/16")	±0.5mm
	fillet weld throat size	0-20mm (0-3/4")	1mm (1/16")	±0.5mm
	angle of preparation	0-60°	5°	±1°
	length	0-60mm (0-2")	1mm (1/16")	±0.5mm
	45° angle	—	—	±1°



DRILL ANGLE GAGE

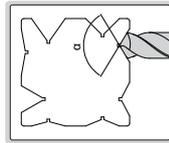


4842-1



- Check drills with angle 60°, 70°, 90°, 118°, 125°, 135°, 150° or 160°
- Made of stainless steel

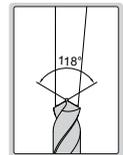
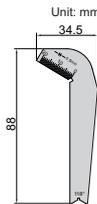
Code	Accuracy
4842-1	±0.5°



DRILL POINT GAGE



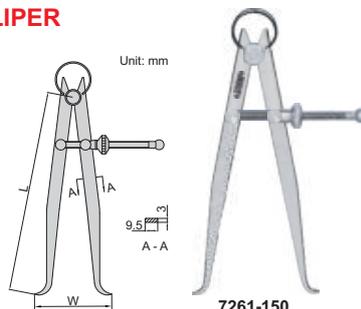
4843-1



- For twist drills with 118° angle, to check if the center of tip is concentric with the drill body
- Made of stainless steel

Code	Accuracy	
	Angle	Length
4843-1	±0.5°	±0.5mm

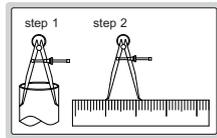
INSIDE SPRING CALIPER



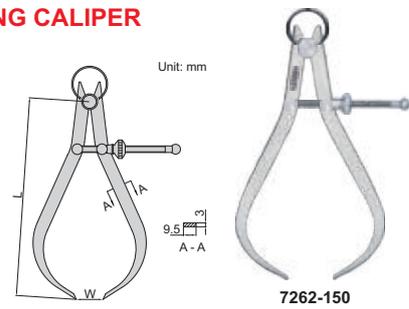
7261-150

- Made of carbon steel

Code	Size (L)	Range (W)
7261-150	150mm	20 - 170mm
7261-200	200mm	22 - 220mm
7261-250	245mm	30 - 270mm
7261-300	300mm	30 - 320mm



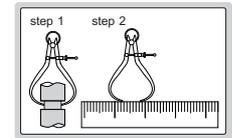
OUTSIDE SPRING CALIPER



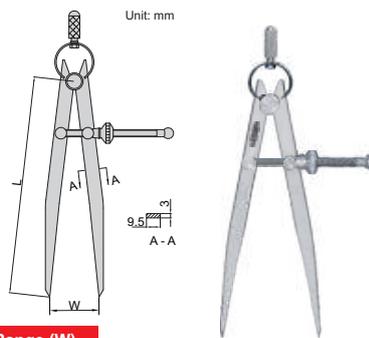
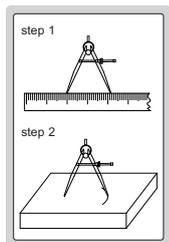
7262-150

- Made of carbon steel

Code	Size (L)	Range (W)
7262-150	155mm	0-140mm
7262-200	210mm	0-210mm
7262-250	265mm	0-270mm
7262-300	310mm	0-320mm



SPRING DIVIDER



7260-150

Code	Size(L)	Range (W)
7260-150	150mm	0-150mm
7260-200	200mm	0-210mm
7260-250	245mm	0-260mm
7260-300	300mm	0-320mm

- Made of carbon steel
- Hardened points

STEEL RULE



7110-300

- Graduation: 0.5mm, 1mm, 1/64", 1/32", 1/16"
- Semi-flexible rules
- Made of stainless steel
- Non-glare surface
- Graduation on front and back



Code	Range	Accuracy	L	W	H
7110-150	150mm/6"	±0.15mm	170	18	1.0
7110-300	300mm/12"	±0.15mm	330	25	1.0
7110-1000	1000mm/40"	±0.20mm	1040	32	1.5

Sizes available up to 2000mm

ATTENTION: BASIC MODEL

SCRIBER



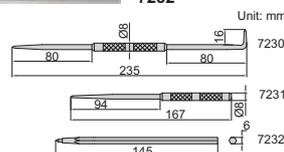
7230

7231

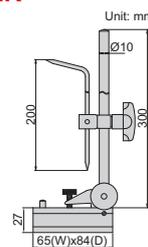
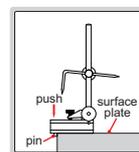
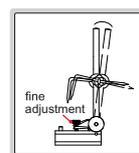
7232

- Nickel plated

Code	Tip
7230	hardened tips
7231	hardened tip
7232	carbide tip



HEIGHT SCRIBER



6990-300A

Code
6990-300A

- Grooved bottom for cylinder
- Two pins to be set against the edge of surface plate

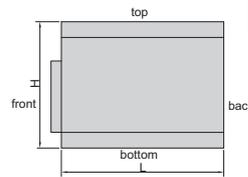
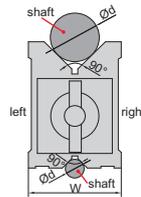
MAGNETIC V-BLOCK

MAGNETIC V-BLOCK

- Hold cylindrical workpieces for inspection and machining
- Supplied in single piece
- Not hardened
- V groove on the top for large shafts
- V groove on the bottom for small shafts
- Not suitable for steel or iron surface

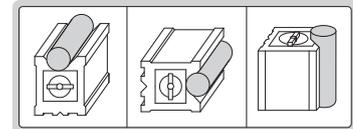


6801-1202



ATTENTION:
NOT HARDENED

ATTENTION: NOT SUITABLE
FOR STEEL OR IRON SURFACE



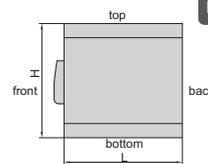
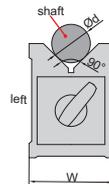
Code	Size (LxWxH)	Range of shafts (Ød)	Magnetic force	Parallelism of V grooves to top, bottom, left, right sides	Squareness of V grooves to back side
6801-1202	100x70x95mm	6-67mm	80kgf	10µm	10µm

MAGNETIC V-BLOCK

- Hold cylindrical workpieces for inspection and machining
- Supplied in single piece
- Not hardened
- Not suitable for steel or iron surface

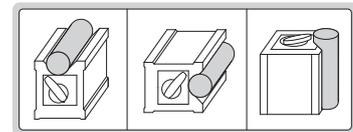


6890-702



ATTENTION: NOT SUITABLE
FOR STEEL OR IRON SURFACE

ATTENTION:
NOT HARDENED



Code	Size (LxWxH)	Range of shafts (Ød)	Magnetic force	Parallelism of V groove to top, bottom, left and right sides	Squareness of V groove to back side
6890-702	70x60x73mm	6-44mm	56kgf	10µm	10µm

CENTERING INDICATOR



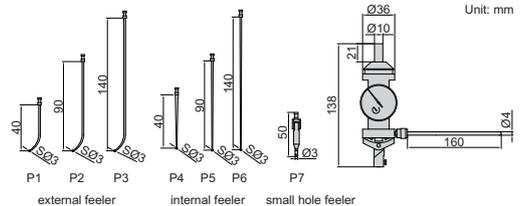
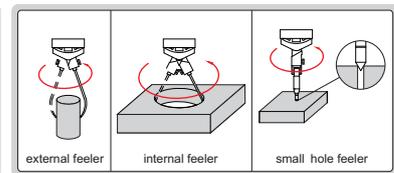
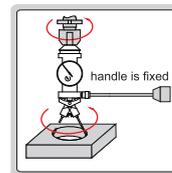
2385-3

- Provides quick and accurate centering in boring and milling set-up

Code

2385-3

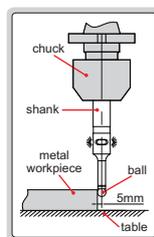
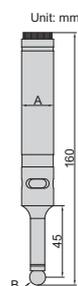
Feeler	Measuring diameter	Accuracy
P1	Ø0-60mm	±0.04mm
P2	Ø0-160mm	±0.06mm
P3	Ø0-250mm	±0.08mm
P4	Ø3.2-80mm	±0.04mm
P5	Ø3.2-180mm	±0.06mm
P6	Ø3.2-280mm	±0.08mm
P7	Ø0-2.8mm	±0.04mm



ELECTRONIC EDGE FINDER



6566-3



- The shank is electrically conducted to the metal workpiece through the chuck and table, the LED lights up and the beeper sounds (only for 6566-3), when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball

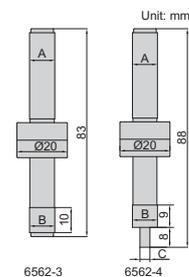
Code	Shank (A)	Contact ball (B)	Accuracy	Beeper	Battery
6566-3	Ø20mm	SØ10mm	5µm	with	23AE, 12Vx1pc

EDGEFINDER



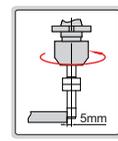
6562-3

6562-4

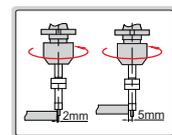


6562-3

6562-4



6562-3



6562-4

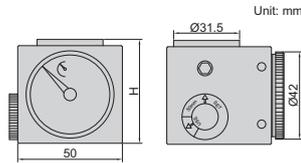
- Hardened shank and contact point

Code	Shank (A)	Contact point (B)	Contact point (C)	Accuracy
6562-3	Ø10mm	Ø10mm	—	5µm
6562-4	Ø10mm	Ø10mm	Ø4mm	5µm

ZERO SETTER



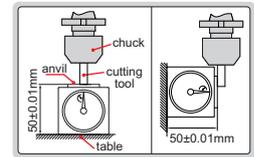
2397-502A



Unit: mm

- Magnetic base
- Accuracy: $\pm 10\mu\text{m}$

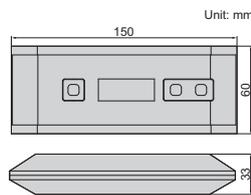
Code	Height (H)	Test force
2397-502A	50mm	9N (at 50mm)



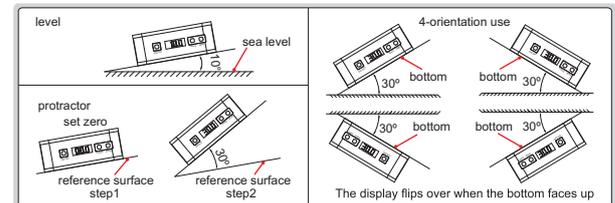
DIGITAL LEVEL AND PROTRACTOR



2173-360



Unit: mm



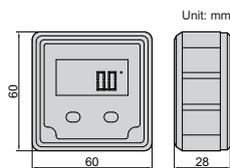
- Aluminum frame
- Magnetic bottom with V-groove for shafts
- Zero setting can be made on any plain surfaces
- Buttons: ON/OFF, ZERO, HOLD (keep the reading)
- CR2032 battery
- Automatic power off

Code	Range	Resolution	Accuracy
2173-360	0-360° (90°x4)	0.1° (= 1.745 mm/m)	0° and 90°: $\pm 0.1^\circ$; others: $\pm 0.2^\circ$

DIGITAL LEVEL AND PROTRACTOR



2170-1



Unit: mm

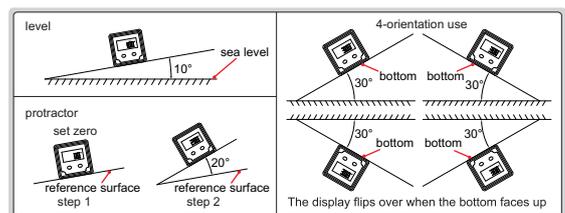
ABSOLUTE LEVEL

MAGNETIC BOTTOM

BACKLIGHT

DISPLAY FLIPS OVER WHEN THE BOTTOM FACES UP

- Aluminum frame
- Magnetic bottom
- The display flips over when the bottom faces up
- The backlight is on automatically when in use, and automatically off in 15 minutes after use
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, ZERO, absolute and incremental measurement
- One AAA battery
- Automatic power off in 5 minutes

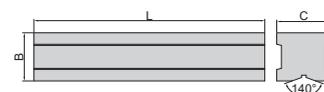


Code	Range	Resolution	Accuracy
2170-1	4x90°	0.1° (= 1.745 mm/m)	at 0° and 90°: $\pm 0.1^\circ$; others: $\pm 0.2^\circ$

BLOCK LEVEL



4903-150A



- V-groove on bottom for shafts (shafts dia. 15~70mm)
- With transverse vial
- Supplied with adjusting wrench

ATTENTION: BASIC MODEL

Code	Length (L)	Sensitivity	B	C
4903-150A	150mm	0.02mm/m(=0.001°)	40	45
4903-300A	300mm	0.02mm/m(=0.001°)	45	50

ULTRASONIC THICKNESS GAGE

ULTRASONIC THICKNESS GAGE CODE ISU-100D



- Measure the thickness from one side of object, suitable for pipe, tank, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice



SPECIFICATION

Measuring range	0.8~300mm	
Resolution	0.01mm (range<100mm)	
	0.1mm (range≥100mm)	
Accuracy	±0.04mm	(range<10mm)
	±(0.04+H/1000)mm	(range 10~100mm)
	±H/333mm	(range≥100mm)
Transducer	frequency	5MHz
	diameter (Ød)	10.8mm
Minimum size of pipe for measurement	20×1.2mm (diameter × wall thickness)	
Applicable temperature	<60°C	
Velocity	1000-9999m/s	
Power supply	2×AAA batteries	
Dimension	114×64×28mm	
Weight	200g	

ATTENTION:
BASIC MODEL

ATTENTION: NOT SUITABLE
FOR CASTING WORKPIECES



STANDARD DELIVERY

Main unit	1pc
Transducer	1pc
Couplant	1bottle
Battery (AAA)	2pcs

PORTABLE HARDNESS TESTER CODE ISH-PHB



SPECIFICATION

Min. reading	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 1HS, 1MPa	
Accuracy	±6HLD (when HLD=800)	
Display	Leeb (HLD), converted hardness, material, impact direction, test times, average value, date	
Output	bluetooth	
Applicable workpiece	minimum weight	5kg
		2kg (on solid support)
		0.1kg(coupled on plate)
	minimum thickness: 5mm	
minimum radius of curved surface: 30mm		
maximum roughness (Ra): 1.6µm		
Power supply	3×AAA batteries	
Dimension	150×84×28mm	
Weight	200g	



- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC and HRB), Shore (HS) and tensile strength (MPa)
- Memory of 99 measurement values for browsing
- Set measurement times (1~9) to have average value
- Connected with printer via bluetooth
- Automatic power off
- According to ASTM A 956



APPLICABLE MATERIAL AND HARDNESS RANGE FOR IMPACT DEVICE D

Material	HLD	HV	HB	HRC	HRB	HS	Tensile strength (MPa)
Steel & cast steel	300-900	81-955	81-654	20-68	38-100	32-100	375-2639
Tool steel	300-840	80-898		20-67			
Stainless steel	300-800	85-802	85-655		46-101		
Cast iron	360-650		93-334				
Cast aluminum alloy	170-570		19-164		23-84		
Brass	200-550		40-173		13-95		
Bronze	300-700		60-290				
Copper	200-690		45-315				

STANDARD DELIVERY

Main unit	1pc
Impact device D	1pc
Hardness test block D	1pc
Small support ring	1pc
Cleaning brush	1pc

OPTIONAL ACCESSORY

Wireless printer	ISH-DS-PRINTER
Couplant	ISH-COUPPLANT
Support rings	see details
Hardness test block D	ISH-BHLD



For complete line of information about our products visit our website: www.insize.com

Distributed by:

MECHANIC TOOLS

MECHANICS TOOLS

150 PC MASTER SET



94-181

DESCRIPTION	PBQ	SBQ	RS. EACH
10 Pc 1/4 DRIVE 6 POINT SOCKETS: 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	1	2	
10 Pc 1/4 DRIVE 6 POINT METRIC SOCKETS: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13mm			
6 Pc 1/4 DRIVE 6 POINT METRIC DEEP SOCKETS: 4, 5, 6, 7, 8, 9mm			
3 Pc 3/8 DRIVE PHILLIPS® BIT SOCKETS: #1, #2, #3			
9 Pc 3/8 DRIVE 6 POINT SOCKET: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8			
6 Pc 3/8 DRIVE 6 POINT METRIC DEEP SOCKETS: 10, 11, 12, 13, 14, 15mm			
2 Pc 3/8 DRIVE EXTENSION BAR - LOCKING: 3, 6 (76, 152mm)			
2 Pc 3/8 DRIVE SPARK PLUG METRIC SOCKETS: 16, 21mm			
8 Pc 3/8 DRIVE 6 POINT TORX® SOCKETS: E8, E10, E11, E12, E14, E16, E18, E20			
11 Pc 3/8 DRIVE 6 POINT METRIC SOCKETS: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm			
4 Pc 1/2 DRIVE IMPACT 6 POINT METRIC SOCKETS: 17, 19, 21, 23mm			
4 Pc 1/2 DRIVE 12 POINT SOCKETS: 15/16, 1, 1-1/16, 1-1/4			
7 Pc 1/2 DRIVE 12 POINT SOCKETS: 20, 21, 22, 24, 27, 30, 32mm			
6 Pc 3/8 DRIVE HEX BIT SOCKET 3, 4, 5, 6, 8, 10mm			
3 Pc 3/8 DRIVE POZIDRIVE® BIT SOCKETS: #1, #2, #3			
12 Pc FULL POLISH LONG PANEL COMBINATION WRENCHES: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm			
3 Pc DOUBLE BOX REVERSAL METRIC RATCHETING WRENCHES: 8x9, 12x13, 17x19mm			
7 Pc 1/4 DRIVE TORX (HOLE) BIT: T-10, T-15, T-20, T-25, T-27, T-30, T-40			
10 Pc HEX KEY: 1.5, 2.0, 2.5, 3.0, 4, 5, 6, 7, 8, 10mm			
1 Pc 1/4 DRIVE PEAR HEAD RATCHET WITH COMFORT GRIP			
1 Pc 1/4 DRIVE EXTENSION BAR 100mm			
1 Pc 1/4 SPINNER HANDLE			
6 Pc 1/2 DRIVE DEEP 6 POINT METRIC SOCKET : 10, 12, 13, 14, 17, 19mm			
2 Pc 1/2 DRIVE EXTENSION BAR : 5, 10 (125, 150mm)			
3 Pc 3/8 DRIVE SLOTTED BIT SOCKETS: 4, 5.5, 6.5mm			
7 Pc 3/8 DRIVE TORX® BIT SOCKETS: T-20, T-30, T-40, T-45, T-50, T-55, T-60			
1 Pc 1/4 DRIVE UNIVERSAL JOINT			
1 Pc 1/4 DRIVE ADAPTER			
1 Pc 3/8 DRIVE PEAR HEAD RATCHET WITH COMFORT GRIP			
1 Pc 3/8 DRIVE UNIVERSAL JOINT			
1 Pc 1/2 DRIVE PEAR HEAD RATCHET WITH COMFORT GRIP			
1 Pc 1/2 DRIVE UNIVERSAL JOINT			

120 PC MASTER SET



91-931

DESCRIPTION	PBQ	SBQ	RS. EACH
10 Pc 1/4 DRIVE SOCKET 6 POINT: 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	1	2	
12 Pc 1/4 DRIVE SOCKET 6 POINT: 4, 5, 5.5, 6, 6.5, 7, 8, 9, 10, 11, 12, 13mm			
4 Pc 1/4 DRIVE DEEP SOCKET 6 POINT: 8, 9, 10, 12mm			
11 Pc 3/8 DRIVE SOCKET 6 POINT: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm			
9 Pc 3/8 DRIVE SOCKET 6 POINT: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8			

120 PC MASTER SET

- 4 Pc 3/8 DRIVE DEEP SOCKET 6 POINT: 13, 14, 15, 17mm
- 7 Pc 1/2 DRIVE SOCKET 6 POINT: 20, 21, 22, 24, 27, 30, 32mm
- 8 Pc 3/8 DRIVE TORX® SOCKET: E8, E10, E11, E12, E14, E16, E18, E20
- 4 Pc 1/2 DRIVE SOCKET 6 POINT: 15/16, 1, 1-1/16, 1-1/4
- 4 Pc 1/2 DRIVE IMPACT SOCKET 6 POINT: 14, 19, 21, 23mm
- 2 Pc 3/8 DRIVE SPARK PLUG SOCKET 6 POINT: 16, 21mm
- 7 Pc 3/8 DRIVE TORX® (HOLE) BITS: T10, T15, T20, T25, T27, T30, T40
- 17 Pc 3/8 DRIVE 6 POINT BIT SOCKETS: TORX®: T20, T30, T40, T45, T50, T55, T60
HEX: 3 4 5 6mm, PHILLIPS®: 1PL, 2PT, POZIDRIVE®: 1PT, 2PT, SLOTTED: 5, 5.5, 6.5mm
- 3 Pc UNIVERSAL JOINT: 1/4, 3/8, 1/2
- 1 Pc 1/4 DRIVE BIT ADAPTER: 1/4
- 1 Pc 1/4 DRIVE SPINNER
- 1 Pc 1/4 DRIVE EXTENSION BAR: 2 (50mm)
- 2 Pc 3/8 DRIVE EXTENSION BAR: 3, 10 (75, 250mm)
- 1 Pc 1/2 DRIVE EXTENSION BAR: 5, 10 (125, 250mm)
- 3 Pc PEAR HEAD RATCHET: 1/4, 3/8, 1/2
- 10 Pc FULL POLISH LONG PANEL COMBINATION WRENCHES: 9, 10, 11, 12, 13, 14, 17, 18, 19mm

86 PC 1/4 & 1/2 DRIVE 6 POINT METRIC SET



METRIC

94-190

DESCRIPTION	PBQ	SBQ	RS. EACH
14 Pc 1/4 DRIVE 6 POINT METRIC SOCKETS: 3, 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm	1	2	
8 Pc 1/4 DRIVE 6 POINT METRIC DEEP SOCKETS: 6, 7, 8, 9, 10, 11, 12, 13mm			
2 Pc 1/4 & 1/2 DRIVE PEAR HEAD RATCHET WITH COMFORT GRIP			
2 Pc 1/4 DRIVE EXTENSION BAR: 2, 4 (50, 100mm)			
1 Pc 1/4 SLIDING T-BAR: 4 (100mm)			
1 Pc 1/4 DRIVE BIT SPINNER			
1 Pc 1/4 DRIVE UNIVERSAL JOINT			
1 Pc 3/8 DRIVE FEMALE & 1/2 DRIVE MALE: 3-WAY ADAPTER			
14 Pc 1/2 DRIVE 6 POINT METRIC SOCKETS: 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32mm			
4 Pc 1/2 DRIVE 6 POINT DEEP METRIC SOCKETS: 14, 16, 17, 19mm			
2 Pc 1/2 DRIVE EXTENSION BAR: 5, 10 (125, 250mm)			
1 Pc 1/2 DRIVE UNIVERSAL JOINT			
1 Pc 1/2 DRIVE BIT HOLDER: 5/16			
2 Pc 1/2 DRIVE 6 POINT SPARK PLUG METRIC SOCKETS: 16, 21mm			
6 Pc 1/4 DRIVE TORX® BIT SOCKETS: T-8, T-10, T-15, T-20, T-25, T-30			
4 Pc 1/4 DRIVE HEX BIT SOCKETS: 3, 4, 5, 6mm			
2 Pc 1/4 DRIVE PHILLIPS® BIT SOCKETS: #1, #2			
2 Pc 1/4 DRIVE POZIDRIV® BIT SOCKET: #1, #2			
3 Pc 1/4 DRIVE SLOTTED BIT SOCKETS: 4, 5.5, 6.5mm			
3 Pc 5/16 DRIVE SLOTTED®: 8, 10, 12mm			
2 Pc 5/16 DRIVE PHILLIPS® BIT: #3, #4			
2 Pc 5/16 DRIVE POZIDRIV® BIT: #3, #4			
4 Pc 5/16 Drive Torx® Bit with Rubber Holder: T-40, T-45, T-50, T-55			
4 Pc 5/16 Drive Hex Bits: 8, 10, 12, 14mm			

35 PC 1/4 DRIVE 6 POINT SOCKET & BIT SET



METRIC

1-89-033

DESCRIPTION	PBQ	SBQ	RS. EACH
13 Pc 1/4 DRIVE 6 POINT SOCKETS: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm	1	16	
6 Pc 1/4 DRIVE ACCESSORIES: 1 PC SPINNER HANDLE, 2 PC EXTENSIONS: 75, 150mm,			
1 Pc UNIVERSAL JOINT,			
1 Pc "PROFESSIONAL" RATCHET,			

35 PC 1/4 DRIVE 6 POINT SOCKET & BIT SET

- 1 Pc HEX BIT HOLDER
- 4 Pc HEX BIT: 3, 4, 5, 6mm,
- 6 Pc TORX® BITS: T-10, T-15, T-20, T-25, T-30, T-40
- 3 Pc POSIDRIVE® BITS: 1, 2, 3
- 3 Pc Slotted Bits: 4, 5, 6.5
- 1 Pc HEX BIT HOLDER
- 4 Pc HEX BIT: 3, 4, 5, 6mm,
- 6 Pc TORX® BITS: 1, 2, 3
- 3 Pc Slotted Bits: 4, 5, 6.5

46 PCS 1/4 DRIVE METRIC SOCKET



STMT72794-8

DESCRIPTION	PBQ	SBQ	RS. EACH
22 Pc 1/4 DRIVE BIT SOCKETS - HEX 3, 4, 5, 6, 7, 8mm TORX® T8, T10, T15, T20, T25, T30, T40 PHILLIPS® 1PT, 2PT, 3PT POZIDRIVE® 1, 2, 3 SLOTTED- 4, 5, 5.7mm	1	8	
13 Pc 1/4 DRIVE 6 POINT SOCKET 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm			
1 Pc 1/4 DRIVE QUICK RELEASE RATCHET			
2 Pc 1/4 DRIVE EXTENSIONS: 50 and 100mm			
1 Pc 1/4 DRIVE FLEXIBLE EXTENSION			
1 Pc 1/4 DRIVE UNIVERSAL JOINT			
1 Pc 1/4 DRIVE SLIDING T-BAR			
1 Pc 1/4 DRIVE SPINNER HANDLE			
4 Pc 1/4 HEX KEYS 1.5, 2, 2.5, 3mm			

24 PIECE 3/8 DRIVE METRIC SOCKET SET



METRIC

PART No.	DESCRIPTION	PBQ	SBQ	RS. EACH
1-89-035	19 Pc 3/8 DRIVE 6 POINT SOCKETS: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24mm	1	8	
	5 Pc 3/8 DRIVE ACCESSORIES: EXTENSIONS: 75, 150mm, UNIVERSAL JOINT, SLIDING T-BAR PROFESSIONAL RATCHET			

46 PIECE 1/4 & 3/8 DRIVE SOCKET & BIT SET



METRIC

PART No.	DESCRIPTION	PBQ	SBQ	RS. EACH
89-516	7 Pc 3/8 DRIVE 12 POINT SOCKETS: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	1	2	
	12 Pc 3/8 DRIVE 12 POINT SOCKETS: METRIC 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm			
	9 Pc 1/4 DRIVE BIT SET: POZIDRIV BIT- 1, 2, 3mm & HEX BIT- 3, 4, 5, 6, 7, 8mm			
	9 Pc 1/4 DRIVE BIT SET: SLOTTED BITS - 4, 5, 6.5 & TORX® BITS - T10, T15, T20, T25, T30, T40			
	9 Pc 3/8 DRIVE ACCESSORIES: SPARK PLUG SOCKET 6 POINT SOCKET: 5/8 & 13/16, EXTENSION BAR- 75 & 150mm, UNIVERSAL JOINT, ADAPTER, FULL POLISH QUICK RELEASE RATCHET, 1/4 DRIVE BIT ADAPTER 1/4 DRIVE SPINNER HANDLE			

SOCKETS & ACCESSORIES

43PC 1/2 DRIVE 12 POINT SOCKET SET





METRIC
89-509

DESCRIPTION	PBQ	SBQ	Rs. EACH
15Pc 1/2 DRIVE 12 POINT SOCKETS: 3/16, 7/16, 1/2, 9/16, 1-1/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/8, 1-3/16, 1-1/4	1	2	
20Pc 1/2 DRIVE 12 POINT SOCKETS: METRIC-10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,26,27,28,30,32mm			
8 Pc 1/2 DRIVE ACCESSORIES: 6 POINT SPARK PLUG SOCKET: 5/8 & 13/16 UNIVERSAL JOINT, FLEX HANDLE-375mm, EXTENSION BARS - 3.5 & 10 (75, 125, 250mm), FULL POLISH QUICK RELEASE RACHET			

26PC 1/2 DRIVE METRIC 12 POINT SOCKET SET





METRIC
86-477

DESCRIPTION	PBQ	SBQ	Rs. EACH
20 Pc 1/2 DRIVE 12 POINT SOCKETS: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30, 32mm	1	4	
6 Pc 1/2 DRIVE ACCESSORIES: EXTENSION BAR: 5 & 10(125 & 250mm), UNIVERSAL JOINT, SPARK PLUG SOCKET 6 POINT 13/16, SLIDING T-BAR 10(254mm), FLIP-DRIVE RACHET			

26PC 1/2 DRIVE METRIC 12 POINT SOCKET SET





METRIC
86-478

DESCRIPTION	PBQ	SBQ	Rs. EACH
20 Pc 1/2 DRIVE 12 POINT SOCKETS: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 31/32, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4			
6 Pc 1/2 DRIVE ACCESSORIES: EXTENSION BAR: 5 & 10 (125, 250mm), UNIVERSAL JOINT SPARK PLUG SOCKET 6 POINT 13/16, 1 SLIDING T-BAR 10(254mm) FLIP-DRIVE RACHET			

24 PCS 1/2 DRIVE METRIC SOCKET SET



DESCRIPTION	PBQ	SBQ	Rs. EACH
18Pc 1/2 DRIVE 6 POINT SOCKET - 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32mm	1	4	
1Pc 1/2 DRIVE QUICK RELEASE RATCHET			
2Pc 1/2 DRIVE EXTENSIONS : 130 & 250mm			
1Pc 1/2 DRIVE UNIVERSAL JOINT			
1Pc 1/2 DRIVE SLIDING T-HANDLE			
1Pc 1/2 DRIVE SPARK PLUG SOCKETS 21mm			

9PC 1/2 DRIVE TORX® BIT SOCKET SET





METRIC
89-098

DESCRIPTION	PBQ	SBQ	Rs. EACH
9Pc 1/2 DRIVE TORX® BIT SOCKET SET-METRIC-T-20, T-25, T-27, T-30, T-40, T-45, T-50, T-55, T-60	1	12	

7PC 1/2 DRIVE HEX BIT METRIC SOCKET SET





METRIC
1-89-099

DESCRIPTION	PBQ	SBQ	Rs. EACH
7Pc 1/2 DRIVE HEX BIT SOCKETS: 6, 8, 10, 12, 14, 17, 19mm	1	12	

19 PC 3/4 DRIVE METRIC 12 POINT SOCKET SET





METRIC
89-101

DESCRIPTION	PBQ	SBQ	Rs. EACH
15Pc 3/4 DRIVE 12 POINT SOCKETS: 22, 24, 27, 28, 29, 30, 32, 33, 34, 36, 38, 41, 42, 46, 50mm	1	2	
4 PC 3/4 DRIVE ACCESSORIES: EXTENSION BAR: 200 & 400mm, SLIDING T-BAR 480mm, STANDARD RACHET			





SOCKET & ACCESSORIES

METRIC SOCKETS 6 POINTS





METRIC
1/2 Drive

PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
1-86-508	SOCKET STD 1/2 SQ. DR.	8mm	43	6	96	
1-86-509	SOCKET STD 1/2 SQ. DR.	9mm	45	6	96	
1-86-510	SOCKET STD 1/2 SQ. DR.	10mm	47	6	96	
1-86-511	SOCKET STD 1/2 SQ. DR.	11mm	49	6	96	
1-86-512	SOCKET STD 1/2 SQ. DR.	12mm	51	6	96	
1-86-513	SOCKET STD 1/2 SQ. DR.	13mm	52	6	96	
1-86-514	SOCKET STD 1/2 SQ. DR.	14mm	52	6	96	
1-86-515	SOCKET STD 1/2 SQ. DR.	15mm	53	6	96	
1-88-738	SOCKET STD 1/2 SQ. DR.	16mm	62	6	96	
1-88-739	SOCKET STD 1/2 SQ. DR.	17mm	80	6	96	
1-88-740	SOCKET STD 1/2 SQ. DR.	18mm	82	6	96	
1-88-741	SOCKET STD 1/2 SQ. DR.	19mm	88	6	96	
1-88-742	SOCKET STD 1/2 SQ. DR.	20mm	96	6	96	
1-88-743	SOCKET STD 1/2 SQ. DR.	21mm	104	4	96	
1-88-744	SOCKET STD 1/2 SQ. DR.	22mm	113	4	96	
1-88-745	SOCKET STD 1/2 SQ. DR.	23mm	120	4	96	
1-88-746	SOCKET STD 1/2 SQ. DR.	24mm	126	4	96	
1-88-747	SOCKET STD 1/2 SQ. DR.	25mm	136	4	96	
1-88-748	SOCKET STD 1/2 SQ. DR.	26mm	140	4	96	
1-88-749	SOCKET STD 1/2 SQ. DR.	27mm	166	4	96	
1-88-750	SOCKET STD 1/2 SQ. DR.	28mm	172	4	96	
1-88-751	SOCKET STD 1/2 SQ. DR.	29mm	180	4	96	
1-88-752	SOCKET STD 1/2 SQ. DR.	30mm	191	2	96	
1-88-753	SOCKET STD 1/2 SQ. DR.	32mm	222	2	96	
1-86-196	SOCKET STD 1/2 SQ. DR.	34mm	254	2	96	
1-86-536	SOCKET STD 1/2 SQ. DR.	36mm	495	2	24	

1/2 DRIVE METRIC DEEP SOCKETS 12 POINTS





METRIC
1/2 Drive

PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
1-86-418	SOCKET DEEP 1/2 SQ. DR.	10mm	125	6	96	
1-86-419	SOCKET DEEP 1/2 SQ. DR.	11mm	130	6	96	
1-86-420	SOCKET DEEP 1/2 SQ. DR.	12mm	130	6	96	
1-86-421	SOCKET DEEP 1/2 SQ. DR.	13mm	135	6	96	
1-86-422	SOCKET DEEP 1/2 SQ. DR.	14mm	135	6	96	
1-86-423	SOCKET DEEP 1/2 SQ. DR.	15mm	135	6	96	
1-86-424	SOCKET DEEP 1/2 SQ. DR.	16mm	150	6	96	
1-86-425	SOCKET DEEP 1/2 SQ. DR.	17mm	155	6	96	
1-86-426	SOCKET DEEP 1/2 SQ. DR.	18mm	165	6	96	
1-86-427	SOCKET DEEP 1/2 SQ. DR.	19mm	190	6	96	
1-86-428	SOCKET DEEP 1/2 SQ. DR.	20mm	195	6	96	
1-86-429	SOCKET DEEP 1/2 SQ. DR.	21mm	200	4	96	
1-86-430	SOCKET DEEP 1/2 SQ. DR.	22mm	230	4	96	
1-86-432	SOCKET DEEP 1/2 SQ. DR.	24mm	240	4	96	
1-86-433	SOCKET DEEP 1/2 SQ. DR.	25mm	250	4	96	
1-86-434	SOCKET DEEP 1/2 SQ. DR.	26mm	250	4	96	
1-86-435	SOCKET DEEP 1/2 SQ. DR.	27mm	280	4	96	
1-86-436	SOCKET DEEP 1/2 SQ. DR.	28mm	320	4	96	
1-86-438	SOCKET DEEP 1/2 SQ. DR.	30mm	360	4	96	
1-86-439	SOCKET DEEP 1/2 SQ. DR.	32mm	380	4	96	

METRIC SOCKET 12 POINT





METRIC
3/8 Drive

PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
1-86-342	SOCKET STD 3/8 SQ. DR.	7mm	21	6	96	
1-86-343	SOCKET STD 3/8 SQ. DR.	8mm	25	6	96	
1-86-344	SOCKET STD 3/8 SQ. DR.	9mm	26	6	96	
1-86-345	SOCKET STD 3/8 SQ. DR.	10mm	26	6	96	
1-86-346	SOCKET STD 3/8 SQ. DR.	11mm	26	6	96	
1-86-347	SOCKET STD 3/8 SQ. DR.	12mm	29	6	96	

SOCKETS & ACCESSORIES

METRIC SOCKET 12 POINT						
PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
1-86-348	SOCKET STD 3/8 SQ. DR.12PT	13mm	32	6	96	
1-86-349	SOCKET STD 3/8 SQ. DR.12PT	14mm	40	6	96	
1-86-350	SOCKET STD 3/8 SQ. DR.12PT	15mm	43	6	96	
1-86-351	SOCKET STD 3/8 SQ. DR.12PT	16mm	43	6	96	
1-86-352	SOCKET STD 3/8 SQ. DR.12PT	17mm	50	6	96	
1-88-146	SOCKET STD 3/8 SQ. DR.12PT	18mm	56	6	72	
1-88-147	SOCKET STD 3/8 SQ. DR.12PT	19mm	64	6	96	
1-88-148	SOCKET STD 3/8 SQ. DR. 12PT	20mm	70	4	96	
1-88-149	SOCKET STD 3/8 SQ. DR. 12PT	21mm	78	4	96	
1-88-150	SOCKET STD 3/8 SQ. DR. 12PT	22mm	82	4	96	
1-88-151	SOCKET STD 3/8 SQ. DR. 12PT	23mm	82	4	96	

1/2 Drive

PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
1-86-540	SOCKET STD 1/2 SQ. DR. 12PT	8mm	43	6	96	
1-86-542	SOCKET STD 1/2 SQ. DR. 12PT	10mm	47	6	96	
1-86-543	SOCKET STD 1/2 SQ. DR. 12PT	11mm	49	6	96	
1-86-544	SOCKET STD 1/2 SQ. DR. 12PT	12mm	51	6	96	
1-86-545	SOCKET STD 1/2 SQ. DR. 12PT	13mm	52	6	96	
1-86-546	SOCKET STD 1/2 SQ. DR. 12PT	14mm	52	6	96	
1-86-547	SOCKET STD 1/2 SQ. DR. 12PT	15mm	53	6	96	
1-88-788	SOCKET STD 1/2 SQ. DR. 12PT	16mm	62	6	96	
1-88-789	SOCKET STD 1/2 SQ. DR. 12PT	17mm	80	6	96	
1-88-790	SOCKET STD 1/2 SQ. DR. 12PT	18mm	82	6	96	
1-88-791	SOCKET STD 1/2 SQ. DR. 12PT	19mm	88	6	96	
1-88-792	SOCKET STD 1/2 SQ. DR. 12PT	20mm	96	4	96	
1-88-793	SOCKET STD 1/2 SQ. DR. 12PT	21mm	104	4	96	
1-88-794	SOCKET STD 1/2 SQ. DR. 12PT	22mm	113	4	96	
1-88-796	SOCKET STD 1/2 SQ. DR. 12PT	24mm	126	4	96	
1-88-799	SOCKET STD 1/2 SQ. DR. 12PT	27mm	166	4	96	
1-88-802	SOCKET STD 1/2 SQ. DR. 12PT	30mm	191	2	96	
1-88-803	SOCKET STD 1/2 SQ. DR. 12PT	32mm	222	2	96	
1-86-192	SOCKET STD 1/2 SQ. DR. 12PT	34mm	254	2	96	

3/4 Drive

PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
STMT89619-88	SOCKET STD 3/4 SQ. DR. 12PT	19mm	210	4	48	
STMT89624-88	SOCKET STD 3/4 SQ. DR. 12PT	24mm	230	4	48	
STMT89627-88	SOCKET STD 3/4 SQ. DR. 12PT	27mm	260	4	48	
STMT89628-88	SOCKET STD 3/4 SQ. DR. 12PT	28mm	280	4	48	
STMT89630-88	SOCKET STD 3/4 SQ. DR. 12PT	30mm	280	4	48	
STMT89633-88	SOCKET STD 3/4 SQ. DR. 12PT	33mm	310	4	48	
STMT89635-88	SOCKET STD 3/4 SQ. DR. 12PT	35mm	370	4	24	
STMT89636-88	SOCKET STD 3/4 SQ. DR. 12PT	36mm	400	4	48	
STMT89638-88	SOCKET STD 3/4 SQ. DR. 12PT	38mm	450	4	24	
STMT89641-88	SOCKET STD 3/4 SQ. DR. 12PT	41mm	540	4	24	
STMT89642-88	SOCKET STD 3/4 SQ. DR. 12PT	42mm	580	4	24	
STMT89644-88	SOCKET STD 3/4 SQ. DR. 12PT	44mm	600	4	24	
STMT89646-88	SOCKET STD 3/4 SQ. DR. 12PT	46mm	650	4	24	
STMT89650-88	SOCKET STD 3/4 SQ. DR. 12PT	50mm	780	4	24	
STMT89655-88	SOCKET STD 3/4 SQ. DR. 12PT	55mm	980	4	20	
STMT89658-88	SOCKET STD 3/4 SQ. DR. 12PT	58mm	1000	4	20	
STMT89660-88	SOCKET STD 3/4 SQ. DR. 12PT	60mm	1050	4	20	

METRIC HEX BIT SOCKETS



1/2 Drive

PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
1-89-188	SOCKET HEX BIT 1/2 SQ. DR.	6mm	64	6	96	
1-89-189	SOCKET HEX BIT 1/2 SQ. DR.	8mm	74	6	96	
1-89-190	SOCKET HEX BIT 1/2 SQ. DR.	10mm	83	6	96	
1-89-191	SOCKET HEX BIT 1/2 SQ. DR.	12mm	94	6	96	
1-89-192	SOCKET HEX BIT 1/2 SQ. DR.	14mm	105	6	96	
1-89-193	SOCKET HEX BIT 1/2 SQ. DR.	17mm	143	6	96	
1-89-194	SOCKET HEX BIT 1/2 SQ. DR.	19mm	182	6	96	

3/4 DRIVE ROUND HEAD RATCHET



PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
STMT91316-88	RATCHET 3/4 SQ. DR. PRO	500mm	1930g	2	8	

QUICK RELEASE PEAR HEAD RATCHET



PART No.	DESCRIPTION	WT.(GM)	PBQ	SBQ	Rs. EACH
1-93-638	1/2 SQ. DR. Pear Head Ratchet NP7	250g	8	48	

QUICK RELEASE PEAR HEAD RATCHET



PART No.	DESCRIPTION	TOTAL LENGTH	PBQ	SBQ	Rs. EACH
1-93-637	3/8 SQ. DR. Pear Head Ratchet NP7	370mm	4	32	

1/2 DRIVE QUICK RELEASE ROUND HEAD RATCHET



PART No.	DESCRIPTION	WT. (GM)	PBQ	SBQ	Rs. EACH
1-86-397	RATCHET 1/2 SQ. DR QUICK RELEASE	620g	4	48	727

RATCHET ROUND HEAD



PART No.	DESCRIPTION	WT. (GM)	PBQ	SBQ	Rs. EACH
STMT86396-88	RATCHET 3/8 SQ. DR. FLIP DRIVE	150g	4	48	566
1-87-720	RATCHET 1/2 SQ. DR. FLIP DRIVE	620g	4	48	687

FLEX HANDLE



PART No.	DESCRIPTION	SIZE	WT. (GM)	PBQ	SBQ	Rs. EACH
1-86-405	FLEX HANDLE 1/2 SQ. DR.	250mm	485g	4	32	538

EXTENSION BARS



PART No.	DESCRIPTION	SIZE	WT. (GM)	PBQ	SBQ	Rs. EACH
1-88-930	EXTENSION BAR 1/2 SQ. DR.	75mm	150g	4	96	
1-86-406	EXTENSION BAR 1/2 SQ. DR.	63mm	100g	4	96	
1-86-407	EXTENSION BAR 1/2 SQ. DR.	125mm	204g	4	40	
1-86-408	EXTENSION BAR 1/2 SQ. DR.	250mm	398g	4	40	
STMT89308-88	EXTENSION BAR 3/4 SQ. DR.	400mm	1260g	2	16	



SPEEDER HANDLE



PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
1-86-212	HANDLE SPEEDER 3/8 SQ. DR.	380mm	328g	6	18	
1-86-412	HANDLE SPEEDER 1/2 SQ. DR.	420mm	328g	4	48	

L - HANDLE



PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
STMT86493-88	L-HANDLE 1/2 SQ. DR	250mm	325g	20	40	
86-375-22	L-HANDLE 3/4 SQ. DR	460mm		6	12	

SLIDING T-BAR



PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
1-86-440	SLIDING T-BAR 1/2 SQ. DR.	243mm	289g	4	32	
STMT89303-88	SLIDING T-BAR 3/4 SQ. DR.	480mm	1400g	2	8	

ADAPTERS



PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
1-86-414	1/2 SQ. DR. F*3/8 SQ. DR. M	1/2Fx3/8M	48g	6	96	
1-86-215	3/8 SQ. DR. F*1/2 SQ. DR. M	3/8Fx1/2M	45g	6	96	
1-88-558	1/2 SQ. DR. F*3/4 SQ. DR. M	1/2Fx3/4M	113g	6	96	



6 POINT T-HANDLE SOCKET



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STMT93302-8	T-HANDLE SOCKET	8 mm	10	50	
STMT93303-8	T-HANDLE SOCKET	9 mm	10	50	
STMT93304-8	T-HANDLE SOCKET	10 mm	10	50	
STMT93306-8	T-HANDLE SOCKET	12 mm	10	50	
STMT93307-8	T-HANDLE SOCKET	13 mm	10	40	
STMT93308-8	T-HANDLE SOCKET	14 mm	10	40	
STMT93309-8	T-HANDLE SOCKET	17 mm	10	30	



SPANNERS & SETS

SPANNERS & SETS

SPANNERS & SETS

METRIC DOUBLE OPEN END SPANNER SET - MATTE FINISH



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
70-379E	8Pc	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22mm	1	40	
70-380E	12Pc	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32mm	1	15	

METRIC DOUBLE OPEN END SPANNER - MATTE FINISH



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
70-366E	DOUBLE OPEN END SPANNER	6x7mm	10	1000	
70-367E	DOUBLE OPEN END SPANNER	8x9mm	10	800	
70-368E	DOUBLE OPEN END SPANNER	10x11mm	10	600	
70-369E	DOUBLE OPEN END SPANNER	12x13mm	10	500	
70-370E	DOUBLE OPEN END SPANNER	14x15mm	10	300	
70-371E	DOUBLE OPEN END SPANNER	16x17mm	10	250	
70-372E	DOUBLE OPEN END SPANNER	18x19mm	10	200	
70-373E	DOUBLE OPEN END SPANNER	20x22mm	10	150	
70-374E	DOUBLE OPEN END SPANNER	21x23mm	10	1201	
70-375E	DOUBLE OPEN END SPANNER	24x27mm	10	80	
70-376E	DOUBLE OPEN END SPANNER	25x28mm	10	80	
70-377E	DOUBLE OPEN END SPANNER	30x32mm	10	60	
72-060	DOUBLE OPEN END SPANNER	32x36mm	5	40	
72-061	DOUBLE OPEN END SPANNER	34x36mm	5	50	
72-062	DOUBLE OPEN END SPANNER	36x41mm	5	20	
72-063	DOUBLE OPEN END SPANNER	41x46mm	5	10	
72-064	DOUBLE OPEN END SPANNER	46x50mm	2	8	
72-065	DOUBLE OPEN END SPANNER	50x55mm	2	8	
72-066	DOUBLE OPEN END SPANNER	55x60mm	2	8	

DOUBLE OPEN END SLIMLINE SPANNER SET



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
1-87-718	8PC SLIMLINE, Met	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22mm	1	12	
87-712	7 PCS. IMP	1/4 x 5/16, 3/8 x 7/16, 1/2 x 9/16, 9/16 x 5/8, 11/16 x 3/4, 13/16 x 7/8, 15/16 x 1	1	12	

COMBINATION SPANNERS SET



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
70-963E	8 Pc	8,9,10,11,13,14,17&19mm	1	20	
70-964E	12 Pc	6,7,8,9,10,11,12,13,14,17,19 & 22mm	1	10	
70-965E	23 Pc	6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,27,30,32mm	1	4	

COMBINATION SPANNERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
70-938E	COMBINATION SPANNER	8mm	10	800	
70-940E	COMBINATION SPANNER	10mm	10	600	
70-941E	COMBINATION SPANNER	11mm	10	400	
70-942E	COMBINATION SPANNER	12mm	10	400	
70-943E	COMBINATION SPANNER	13mm	10	300	
70-944E	COMBINATION SPANNER	14mm	10	300	
70-946E	COMBINATION SPANNER	16mm	10	250	
70-947E	COMBINATION SPANNER	17mm	10	200	
70-948E	COMBINATION SPANNER	18mm	10	150	
70-949E	COMBINATION SPANNER	19mm	10	150	

14PC COMBINATION SLIM LINE SPANNERS SET



PART No.	DESCRIPTION WITH SIZE	WT.(GM)	PBQ	SBQ	Rc. EACH
1-87-038	14 PCS. SLIMLINE COMBINATION SPANNER SET - METRIC 10-32mm	2300	1	6	5,390
1-87-709	14PCS. SLIMLINE Comb WRENCH SET - IMPERIAL 3/8 - 1 1/4	10400	1	6	5,790

SHALLOW OFFSET RING END SPANNER - MATTE FINISH



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
70-381E	SHALLOW OFFSET RING SPANNER	6x7mm	10	400	
70-382E	SHALLOW OFFSET RING SPANNER	8x9mm	10	30	
70-383E	SHALLOW OFFSET RING SPANNER	10x11mm	10	250	
70-384E	SHALLOW OFFSET RING SPANNER	12x13mm	10	200	
70-385E	SHALLOW OFFSET RING SPANNER	14x15mm	10	160	
70-386E	SHALLOW OFFSET RING SPANNER	16x17mm	10	120	
70-387E	SHALLOW OFFSET RING SPANNER	18x19mm	10	100	
70-388E	SHALLOW OFFSET RING SPANNER	20x22mm	5	60	
70-389E	SHALLOW OFFSET RING SPANNER	21x23mm	5	60	
70-390E	SHALLOW OFFSET RING SPANNER	24x27mm	5	50	
70-391E	SHALLOW OFFSET RING SPANNER	25x28mm	5	40	
70-392E	SHALLOW OFFSET RING SPANNER	30x32mm	5	30	
72-067	SHALLOW OFFSET RING SPANNER	32x36mm	5	20	
72-068	SHALLOW OFFSET RING SPANNER	36x41mm	5	10	
72-069	SHALLOW OFFSET RING SPANNER	41x46mm	5	10	
72-070	SHALLOW OFFSET RING SPANNER	46x50mm	2	8	
72-071	SHALLOW OFFSET RING SPANNER	50x55mm	2	6	
72-072	SHALLOW OFFSET RING SPANNER	55x60mm	2	6	

METRIC SHALLOW OFFSET RING SPANNER SET- MATTE FINISH



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
70-394E	8 Pc	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22mm	1	20	
70-395E	12 Pc	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22mm, 21x23, 24x27, 25x28, 30x32mm	1	6	

OPEN END SLOGGING SPANNER



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
96-936-23	OPEN END SLOGGING WRENCH	30mm	1	25	
96-938-23	OPEN END SLOGGING WRENCH	32mm	2	5	
96-939-23	OPEN END SLOGGING WRENCH	36mm	1	20	
96-940-23	OPEN END SLOGGING WRENCH	41mm	1	20	
96-941-23	OPEN END SLOGGING WRENCH	46mm	1	10	
96-950-23	OPEN END SLOGGING WRENCH	50mm	1	10	
96-951	OPEN END SLOGGING WRENCH	55mm	1	10	
96-952	OPEN END SLOGGING WRENCH	60mm	1	5	
96-953	OPEN END SLOGGING WRENCH	65mm	1	5	
96-954-23	OPEN END SLOGGING WRENCH	70mm	1	5	

RING END SLOGGING SPANNER



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
71-682	RING END SLOGGING SPANNER	24mm	1	50	
96-911	RING END SLOGGING SPANNER	27mm	1	25	
96-913	RING END SLOGGING SPANNER	30mm	1	25	
96-914	RING END SLOGGING SPANNER	32mm	1	25	
96-915	RING END SLOGGING SPANNER	36mm	1	25	
96-917	RING END SLOGGING SPANNER	41mm	1	10	
96-918	RING END SLOGGING SPANNER	46mm	1	10	
96-919	RING END SLOGGING SPANNER	50mm	1	10	
96-920	RING END SLOGGING SPANNER	55mm	1	10	
96-921	RING END SLOGGING SPANNER	60mm	1	10	
96-922	RING END SLOGGING SPANNER	65mm	1	10	
96-923	RING END SLOGGING SPANNER	70mm	1	5	
96-924	RING END SLOGGING SPANNER	75mm	1	5	

FULL POLISH COMBINATION RATCHETING WRENCHES



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
STMT89934-88	REVERSIBLE RATCHETING SPANNER	8mm	10	300	
STMT89935-88	REVERSIBLE RATCHETING SPANNER	9mm	10	300	
STMT89936-88	REVERSIBLE RATCHETING SPANNER	10mm	10	300	
STMT80012-88	REVERSIBLE RATCHETING SPANNER	11mm	10	180	
STMT89937-88	REVERSIBLE RATCHETING SPANNER	12mm	10	180	
STMT89938-88	REVERSIBLE RATCHETING SPANNER	13mm	10	180	
STMT89939-88	REVERSIBLE RATCHETING SPANNER	14mm	10	180	
STMT89940-88	REVERSIBLE RATCHETING SPANNER	15mm	10	90	
STMT89941-88	REVERSIBLE RATCHETING SPANNER	16mm	10	90	
STMT89942-88	REVERSIBLE RATCHETING SPANNER	17mm	10	90	
STMT89943-88	REVERSIBLE RATCHETING SPANNER	18mm	10	60	
STMT89944-88	REVERSIBLE RATCHETING SPANNER	19mm	10	60	

ADJUSTABLE WRENCH



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rc. EACH
87-796-23	HD ADJUSTABLE WRENCH	450mm-18	1	12	

TOOL SETS & TOOL STORAGE

ADJUSTABLE WRENCHES - CHROME PLATED



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
1-87-430	ADJUSTABLE WRENCH	100mm/4	6	120	
STMT87431-8	ADJUSTABLE WRENCH	150mm/6	6	120	
STMT87432-8	ADJUSTABLE WRENCH	200mm/8	6	60	
STMT87433-8	ADJUSTABLE WRENCH	250mm/10	6	60	
STMT87434-8	ADJUSTABLE WRENCH	300mm/12	6	24	
STMT87435-8	ADJUSTABLE WRENCH	375mm/15	4	24	

ADJUSTABLE WRENCHES - PHOSPHATE FINISH



NEW

PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STMT74893-8	ADJUSTABLE WRENCH	150mm / 6	5	90	
STMT74894-8	ADJUSTABLE WRENCH	200mm / 8	5	45	
STMT74895-8	ADJUSTABLE WRENCH	250mm / 10	5	30	
STMT74896-8	ADJUSTABLE WRENCH	300mm / 12	5	20	

SPECIALITY TOOLS

3 JAW PULLER



PART No.	DESCRIPTION	SIZE	PULLING FORCE	PBQ	SBQ	Rs. EACH
70746-S	3 JAW GEAR PULLER	75mm/3	1.5 ton	1	24	
70747-S	3 JAW GEAR PULLER	100mm/4	3.5 ton	1	12	
70748-S	3 JAW GEAR PULLER	150mm/6	5.0 ton	1	4	
70875-S	3 JAW GEAR PULLER	200mm/8	15.0 ton	1	8	
70876-S	3 JAW GEAR PULLER	250mm/10	18.0 ton	1	4	
70877-S	3 JAW GEAR PULLER	300mm/12	22.0 ton	1	3	

25 BLADES FEELER GAUGE



PART No.	DESCRIPTION	SIZE	WT.(GM)	PBQ	SBQ	Rs. EACH
70115-S	25 BLADES	0.04 TO 1.00mm	125g	10	50	

OIL FILTER WRENCH (STRAP TYPE)



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
997694-S	OIL FILTER WRENCH STRAP TYPE	50-108mm	1	25	

SCREW EXTRACTORS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
94-171	5Pc EXTRACTORS SET	3, 6, 8, 11, 14mm	5	25	

TOOL SETS

53 PCS TELECOMMUNICATION TOOL SET



NEW **STHT89883-812**

DESCRIPTION	PBQ	SBQ	Rs. EACH
1 Pc STANDARD DIGITAL MULTI METER	1	3	
8 Pc CUSHION GRIP SCREWDRIVERS: PH1*75MM&150MM, PH2*45MM&100MM SL3*75MM&150MM, SL6.5*40MM&100MM			
1 Pc UTILITY KNIFE			
1 Pc 6" LONG NOSE PLIERS			
1 Pc 8" LINESMAN PLIERS			
1 Pc MINI-HACKSAW			
1 Pc 10" ADJUSTABLE WRENCH			
1 Pc 9" WIRE STRIPPER			
10 Pc HEX KEY: 1.5, 2.5, 3.4, 5, 5.5, 6.8, 10MM			
1 Pc SPINNER HANDLE			
1 Pc 1/4" DR. DRIVE ADAPTOR			
13 Pc 1/4" DR. DRIVE 6 POINT SOCKETS: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14MM			
6 Pc PRECISION SCREWDRIVER SET-OPT, 1PT, 1.4MM, 2.0MM, 2.4MM, 3.0MM			
1 Pc SOLDERING IRON 40W/220V			
1 Pc SOLDER			
1 Pc DESOLDERING PUMP 94-380			
1 Pc DIGITAL SPARK TESTER			
1 Pc TWEEZERS			
1 Pc MEASURING TAPE - 3 M			
1 Pc PLASTIC BOX			

42 PCS ULTIMATE HOME HAND TOOL KIT



71-996-IN

DESCRIPTION	PBQ	SBQ	Rs. EACH
8 Pc HEX KEY WITH HOLDER: 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 5/32, 3/16, 7/32, 1/4	1	4	3,604
8 Pc HEX KEY WITH HOLDER: 1.5, 2.2, 5.3, 4.5, 5.5, 6mm			
1 Pc ADHESIVE TAPE 300mm/12			
1 Pc 175mm/7 COMBINATION PLIER			
10 Pc 25L BIT WITH HOLDER			
4 Pc PRECISION SCREWDRIVER			
1 Pc 7 oz CLAW HAMMER			
1 Pc 225mm/9 VIAL TORPEDO LEVEL			
1 Pc BIT DRIVER			
1 Pc SET HARDWARE ACCESSORY BOX			
1 Pc ZIPPER BAG			
1 Pc TORCH			
1 Pc 200mm/8 SCISSOR			
1 Pc SNAP-OFF KNIFE			
1 Pc DIGITAL TESTER			
1 Pc 250mm/10 MINI HACK SAW			

8 PCS BASIC TOOL KIT



72-118-IN

DESCRIPTION	PBQ	SBQ	Rs. EACH
1 Pc 200mm/8 ADJUSTABLE SPANNER	1	6	2,182
1 Pc 200mm/8 COMBINATION PLIER			
1 Pc MINI HACK SAW			
1 Pc CLAW HAMMER			
1 Pc SPARK DETECTING TESTER			
1 Pc SCREWDRIVERS 1/4 X 100mm/4			
1 Pc SCREWDRIVER #2 X 100mm/4			
1 Pc SET OF SCREWS AND NAILS			

TOOL STORAGE

680MM / 27" ROLLER CABINET - 7 DRAWERS



NEW

PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STST74306-8	7 DRAWER ROLLER CABINET	680 x 458 x 900mm	1	1	

680MM / 27" ROLLER CABINET - 7 DRAWERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
93-547-23ID	7 DRAWER ROLLER CABINET	680 x 458 x 995mm	1	1	

5 TRAY CANTILEVER BOX



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
1-94-738	CANTILEVER TOOLS BOX	460x200x200mm	1	1	

400mm / 16" ESSENTIAL TOOL BOX WITH METAL LATCH



NEW

PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STST-75518	16" ESSENTIAL TB METAL LATCH	406x205x195 mm	6	-	

400mm / 16" PLASTIC TOOL BOX WITH METAL LATCH



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
92-905	PLASTIC TOOL BOX	400x254x183mm	1	-	

480mm / 19" PLASTIC TOOL BOX WITH METAL LATCH



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
92-906	PLASTIC TOOL BOX	485x270x237mm	1	-	

560mm / 22" PLASTIC TOOL BOX WITH METAL LATCH



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
92-908	PLASTIC TOOL BOX	565x315x282mm	1	-	

TOOL STORAGE & PLIERS

WATER-PROOF NYLON TOOL BAG - SMALL



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
93-222	NYLON TOOL BAG, WATER PROOF	100x170x250	1	25	

WATER-PROOF NYLON TOOL BAG - MEDIUM



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
93-223	NYLON TOOL BAG, WATER PROOF	230x300x300mm	1	10	

WATER-PROOF NYLON TOOL BAG - LARGE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
93-224	NYLON TOOL BAG, WATER PROOF	450x230x300mm	1	10	

WATER-PROOF NYLON TOOL BAG - BIG



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
93-225	NYLON TOOL BAG, WATER PROOF	650x230x300mm	1	10	

300MM / 12" OPEN MOUTH BAG



NEW

PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STST512114	300MM / 12" OPEN MOUTH BAG	L 300 X W 225 mm	4	-	

BACK PACK ON WHEELS



NEW

PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
FMST514196	BACK PACK ON WHEELS	360x540x230 mm	2	-	

PLIERS

VDE PLIERS SET



PART No.	DESCRIPTION	PBQ	SBQ	Rs. EACH
84-011	VDE 3PC PLIERS SET(84-001,84-003,84-007)	1	4	

VDE COMBINATION PLIERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
0-84-002	VDE COMBINATION PLIERS	200mm/8	4	24	

VDE DIAGONAL CUTTING PLIERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-003-22	VDE COMBINATION PLIERS	180mm/ 7	4	24	

LINESMAN PLIERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT84112-8	PLIER LINESMAN	180mm/ 7	6	36	
STHT84113-8	PLIER LINESMAN	205mm/ 8	6	36	

DIAGONAL CUTTING PLIERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT84105-8	PLIER DIAGONAL CUTTING	152mm/ 6	6	36	
STHT84108-8	PLIER DIAGONAL CUTTING	177mm/ 7	6	36	

LONG NOSE PLIERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-101-23	PLIER LONG NOSE	152mm/ 6	6	36	
STHT84102-8	PLIER LONG NOSE	203mm/ 8	6	36	

GROOVE JOINT PLIERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT84110-8	PLIER GROOVE JOINT	254mm/ 10	6	36	
84-111	PLIER GROOVE JOINT	305mm/ 12	4	24	

MINIATURE PLIERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-096-23	PLIER MINIATURE, NEEDLE NOSE	127mm/5	6	36	
STHT84119-8	PLIER MINIATURE, LONG NOSE	127mm/5	6	36	
STHT84122-8	PLIER MINIATURE, FLAT NOSE	127mm/5	6	36	
STHT84124-8	PLIER MINIATURE, DIAGONAL CUTTING	102mm/4	6	36	
STHT84125-8	PLIER MINIATURE, END NIPER	102mm/4	6	36	
STHT84126-8	PLIER MINIATURE, BEND NOSE	127mm/5	6	36	

PLASTIC NIPPERS

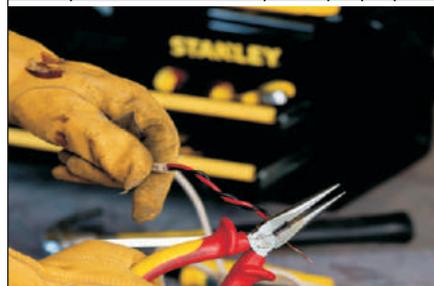


PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-134-1-23	PLASTIC NIPPER PLIER	127mm/ 5	6	36	
84-135-1-23	PLASTIC NIPPER PLIER	152mm/ 6	6	36	

COMBINATION PLIERS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
70-461	COMBI PLIER, SINGLE COLOR SLEEVE	205mm/ 8	6	25	
70-482	COMBI PLIER, DOUBLE COLOR SLEEVE	205mm/ 8	6	25	



PLIERS & CUTTING TOOLS



LONG NOSE PLIER

PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
70-462	LONG NOSE PLIER SINGLE COLOR SLEEVE	152mm/6	6	96	
70-483	LONG NOSE PLIER DOUBLE COLOR SLEEVE	152mm/6	6	96	

GERMAN HOLE CORE-CATCHER STRAIGHT BEAK CLAMP (INTERNAL)



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-362-23	PLIER CIRCLIP, STRAIGHT INTERNAL	130mm-5	6	36	
84-363-23	PLIER CIRCLIP, STRAIGHT INTERNAL	180mm-7	6	36	
84-364-23	PLIER CIRCLIP, STRAIGHT INTERNAL	230mm-9	6	36	

CIRCLIP PLIERS CURVED CLAMP (BENT INTERNAL)



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-446-23	PLIER CIRCLIP, BENT INTERNAL	130mm/5	6	36	
84-447-23	PLIER CIRCLIP, BENT INTERNAL	180mm-7	6	36	
84-448-23	PLIER CIRCLIP, BENT INTERNAL	230mm/9	6	36	

CIRCLIP PLIER STRAIGHT JAW (EXTERNAL)



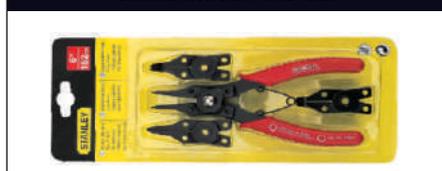
PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-332-23	PLIER CIRCLIP, STRAIGHT EXTERNAL	130mm-5	6	36	
84-334-23	PLIER CIRCLIP, STRAIGHT EXTERNAL	180mm-7	6	36	
84-335-23	PLIER CIRCLIP, STRAIGHT EXTERNAL	230mm-9	6	36	

CIRCLIP PLIER CURVED JAW (BENT EXTERNAL)



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-338-23	PLIER CIRCLIP, BENT EXTERNAL	130mm-5	6	36	
84-341-23	PLIER CIRCLIP, BENT EXTERNAL	180mm-7	6	36	
84-348-23	PLIER CIRCLIP, BENT EXTERNAL	230mm-9	6	36	

COMBINATION SNAP RING PLIER



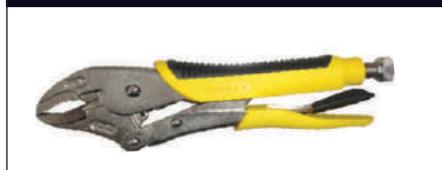
PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-168	PLIER COMB SNAPRNG, INT-EXT POST	152mm/6	1	20	



CRIMPING PLIERS

PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-223-22	CRIMPING PLIER	230mm-9	10	100	
84-253-22	CRIMPING PLIER SET	230mm-9	6	96	

LOCKING PLIERS WITH BI-MATERIAL HANDLE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-369-1-23	BI-Mat Handl, Curv Lock PLIER	254mm-10	6	36	

WIRE STRIPPER WITH CUTTING EDGE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-475-22	WIRE STRIPPER(CUTTER)-AWG12-22	150mm/6	10	100	

CUTTING TOOLS

InterLock® SELF RETRACTING UTILITY KNIFE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
10-189C	SELF RETRACTING UTILITY KNIFE	144mm-5 5/8	6	36	

Classic99® RETRACTABLE UTILITY KNIFE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT10099-8	CLASSIC 99 Retractable, GREY	152mm-6	6	36	

RETRACTABLE UTILITY KNIFE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
10-175	RETRACTABLE UTILITY KNIFE	156mm - 6 1/8	6	36	



HEAVY DUTY UTILITY BLADE

PART No.	DESCRIPTION	SIZE	PACK - BLADES	PBQ	SBQ	Rs. EACH
11-921H	HEAVY DUTY BLADE	19mm / 3/4	10 DISPENSER OF 10 PCS EACH (100 Pcs)	1	24	

Quick-Point™ BLADE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
0-11-325	QUICK POINT BLADE (10 Pcs)	26mm	10	100	

LARGE HOOK BLADE



PART No.	DESCRIPTION	SIZE	# OF BLADES	PBQ	SBQ	Rs. EACH
11-983A	LARGE HOOK BLADE	19mm	100	4	24	

18MM KNIFE WITH DynaGrip®



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT10418-8	DYNAGRIP SNAP-OFF KNIFE	18mm	6	36	

25MM SNAP-OFF KNIFE WITH DynaGrip®



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT10425-8	DYNAGRIP SNAPOFF KNIFE	180mm / 7	6	36	



CUTTING TOOLS

QUICK POINT KNIFE



PART No.	DESCRIPTION	SIZE	BLADE SIZE	PBQ	SBQ	Rs. EACH
0-10-150	KNIFE QUICK POINT	130mm/5 1/8	9mm	6	72	
0-10-151	KNIFE QUICK POINT	160mm/6 1/2	18mm	6	72	

Quick-Point® BLADE



PART No.	DESCRIPTION	SIZE	BLADE SIZE	PBQ	SBQ	Rs. EACH
11-301H	10 DISPENSERS OF10 PCS EACH (100PCS)	110mm	18mm	1	27	



KNIFE & BLADE SELECTION GUIDE

STANLEY		11-921	11-983	11-301 18mm	11-325 25mm
Classic 99 10-099-2		●	●		
Home Owner's 10-175		●	●		
Interlock 10-189		●	●		
DynaGrip 10-418				●	
DynaGrip 10-425					●
Quick-Point 10-151				●	

JUNIOR HACKSAW



PART No.	DESCRIPTION	BLADE SIZE	PBQ	SBQ	Rs. EACH
0-15-218	JUNIOR HACKSAW	150mm / 6	10	60	

STEEL FRAME HACK SAW



PART No.	DESCRIPTION	BLADE SIZE	PBQ	SBQ	Rs. EACH
15-166	HACKSAW-STEELFRAME	305mm / 12	6	36	

RUBBER GRIP HACKSAW



PART No.	DESCRIPTION	DEPTH OF THROAT	BLADE SIZE	PBQ	SBQ	Rs. EACH
15-265-23	ADJUSTABLE FRAME	98mm / 3 7/8	254MM / 10	6	-	

MINI HACK™ SAW



PART No.	DESCRIPTION	DEPTH OF THROAT	BLADE SIZE	PBQ	SBQ	Rs. EACH
20-807	MINI HACK SAW	220mm/8 3/4	254mm / 10	6	36	

GLASS CUTTER



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
14-125	GLASS CUTTER, OVERALL LENGTH	130mm 5 1/8	24	288	

WIRE STRIPPER



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
84-214-22	WIRE STRIPPER	130mm 5 1/4	15	150	

BOLT CUTTERS



PART No.	DESCRIPTION	SIZE	MAX. LOAD	MAX. CUTTING CAP	PBQ	SBQ	Rs. EACH
14-308-23	BOLT CUTTER	203mm/8	36kg	3mm	6	48	
14-312-23	BOLT CUTTER	305mm/12	46kg	4mm	6	24	
14-314-23	BOLT CUTTER	355mm/14	54kg	5mm	6	24	
14-318-23	BOLT CUTTER	457mm/18	65kg	6mm	6	12	
14-324-23	BOLT CUTTER	609mm/24	62kg	8mm	2	6	
14-330-23	BOLT CUTTER	762mm/30	84kg	10mm	1	4	

MaxSteel™ All PURPOSE SNIPS (STRAIGHT PATTERN)



PART No.	DESCRIPTION	CUTTING CAPACITY			Pbq	SBQ	Rs. EACH
		Copper (Soft)	Cold Rolled Steel (Mild)	Hard Steel			
2-14-556	MAXSTEEL SNIP	0.94	0.78	0.6	254mm/10	6	24

TINSNIPS



PART No.	DESCRIPTION	SIZE	CUTTING CAPACITY IN MM	PBQ	SBQ	Rs. EACH
14-163	W/O SPRING,	200mm-8	0.61 CLD RLD STEEL	6	36	
14-164	W/O SPRING,	250mm-10	0.41 STAINLS STEEL	6	36	
14-165	W/O SPRING,	300mm-12	0.91 CLD RLD STEEL	6	24	
14-166	W/O SPRING,	350mm-14	0.63 STAINLS STEEL 1.20CLD RLD STEEL 0.70 STAINLS STEEL	6	24	

PIPE TOOLS & SCREWDRIVERS

MaxSteel™ AVIATION SNIPS



2-14-562

2-14-563

2-14-564

PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
2-14-562	AVIATION SNIPS - LFT CURVE,	254mm / 10	6	24	
2-14-563	AVIATION SNIPS - STRAIGHT CUT	254mm / 10	6	24	
2-14-564	AVIATION SNIPS - RIGHT CURVE	254mm / 10	6	24	

Part No.	Cutting Length	Copper (Soft)	Cold-rolled Steel (Mild)	Hard Steel (HRC30)	Hard Steel (HRC40)	Stainless Steel 304
2-14-562	35	1.50	1.20	1.00	0.60	
2-14-563	35	1.50	1.20	1.00	0.60	
2-14-564	38	1.50	1.20	1.00	0.60	



CABLE CUTTER



PART No.	DESCRIPTION	CUTTING CAPACITY (MM)	SIZE	PBQ	SBQ	Rs. EACH
84-258-23	CABLE CUTTER	60	250mm/10	6	36	



PIPE TOOLS

HEAVY DUTY PIPE WRENCH (CAST IRON)



PART No.	DESCRIPTION	WT. (GM)	O/A LEN	MAX. JAW OPENING	SIZE (MM)	PRQ	SBQ	Rs. EACH
87-622-23	PIPE WRENCH	0.81	248mm	45mm	250mm/10	6	24	
87-623-23	PIPE WRENCH	1.41	297mm	55mm	300mm/12	6	12	
87-624-23	PIPE WRENCH	1.40	332mm	65mm	350mm/14	4	8	
87-625-23	PIPE WRENCH	2.38	414mm	80mm	450mm/18	2	8	
87-626-23	PIPE WRENCH	3.83	553mm	95mm	600mm/24	1	4	
87-627-23	PIPE WRENCH	7.88	805mm	140mm	900mm/36	1	2	

STILSON TYPE PIPE WRENCH



PART No.	DESCRIPTION	MAX. JAW OPENING	SIZE (MM)	PBQ	SBQ	Rs. EACH
71-641	PIPE WRENCH STILSON TYPE	45mm	250mm/10	6	-	
71-642	PIPE WRENCH STILSON TYPE	55mm	300mm/12	6	-	
71-643	PIPE WRENCH STILSON TYPE	65mm	350mm/14	4	-	
71-644	PIPE WRENCH STILSON TYPE	80mm	450mm/18	4	-	
71-645	PIPE WRENCH STILSON TYPE	95mm	600mm/24	2	-	

WATER PUMP PLIER



PART No.	DESCRIPTION	SIZE (MM)	PBQ	SBQ	Rs. EACH
71-668	WATER PUMP PLIER	175mm / 7	10	80	
71-669	WATER PUMP PLIER	250mm / 10	10	60	
71-670	WATER PUMP PLIER	300mm / 12	4	40	

PVC PIPE CUTTER



PART No.	DESCRIPTION	SIZE (MM)	PBQ	SBQ	Rs. EACH
14-442	PVC PIPE CUTTER	UP TO 42mm	10	40	

TUBING CUTTER



PART No.	DESCRIPTION	CUTTING CAPACITY	PRQ	SBQ	Rs. EACH
93-021-22	TUBING CUTTER H/D	3mm-1/8 TO 28mm-1 1/4	10	60	1,207

SCREWDRIVERS & HEX KEYS

CUSHION GRIP2 SLOTTED SCREWDRIVERS



PART No.(NEW)	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT65181-8	CUSHION GRIP STANDARD	3mm X 100mm	12	72	
STHT65182-8	CUSHION GRIP STANDARD	3mm X 125mm	12	72	
STHT65183-8	CUSHION GRIP STANDARD	3mm X 150mm	12	72	
STHT65186-8	CUSHION GRIP STANDARD	5mm X 75mm	12	72	
STHT65187-8	CUSHION GRIP STANDARD	5mm X 100mm	12	72	
STHT65189-8	CUSHION GRIP STANDARD	5mm X 200mm	12	72	
STHT65190-8	CUSHION GRIP STANDARD	6.5mm X 45mm	12	72	
STHT65191-8	CUSHION GRIP STANDARD	6.5mm X 100mm	12	72	
STHT65192-8	CUSHION GRIP STANDARD	6.5mm X 125mm	12	72	
STHT65193-8	CUSHION GRIP STANDARD	6.5mm X 150mm	12	72	
STHT65194-8	CUSHION GRIP STANDARD	6.5mm X 200mm	12	72	
STHT65196-8	CUSHION GRIP STANDARD	8mm X 150mm	12	72	
STHT65198-8	CUSHION GRIP STANDARD	8mm X 250mm	12	72	

CUSHION GRIP Phillips® SCREWDRIVERS



PART No.(NEW)	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT65157-8	CUSHION GRIP PHILLIPS	# 0X60mm	12	72	
STHT65158-8	CUSHION GRIP PHILLIPS	# 0X100mm	12	72	
STHT65159-8	CUSHION GRIP PHILLIPS	# 0X125mm	12	72	
STHT65160-8	CUSHION GRIP PHILLIPS	# 0X150mm	12	72	
STHT65162-8	CUSHION GRIP PHILLIPS	# 1X75mm	12	72	
STHT65163-8	CUSHION GRIP PHILLIPS	# 1X100mm	12	72	
STHT65164-8	CUSHION GRIP PHILLIPS	# 1X150mm	12	72	
STHT65166-8	CUSHION GRIP PHILLIPS	# 1X200mm	12	72	
STHT65167-8	CUSHION GRIP PHILLIPS	# 2X45mm	12	72	
STHT65169-8	CUSHION GRIP PHILLIPS	# 2X100mm	12	72	
STHT65170-8	CUSHION GRIP PHILLIPS	# 2X150mm	12	72	
STHT65171-8	CUSHION GRIP PHILLIPS	# 2X200mm	12	72	
STHT65172-8	CUSHION GRIP PHILLIPS	# 3X150mm	12	72	
STHT65173-8	CUSHION GRIP PHILLIPS	# 3X200mm	12	72	
STHT65174-8	CUSHION GRIP PHILLIPS	# 3X250mm	12	72	

CUSHION GRIP2 Torx® SCREWDRIVERS



PART No.(NEW)	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT65146-8	TORX® SCREWDRIVERS	T7 X 80mm	12	72	
STHT65147-8	TORX® SCREWDRIVERS	T8 X 80mm	12	72	
STHT65148-8	TORX® SCREWDRIVERS	T10 X 80mm	12	72	
STHT65149-8	TORX® SCREWDRIVERS	T15 X 80mm	12	72	
STHT65150-8	TORX® SCREWDRIVERS	T20 X 120mm	12	72	
STHT65151-8	ORX® SCREWDRIVERS	T25 X 120mm	12	72	
STHT65152-8	TORX® SCREWDRIVERS	T27 X 120mm	12	72	
STHT65153-8	TORX® SCREWDRIVERS	T30 X 120mm	12	72	
STHT65154-8	TORX® SCREWDRIVERS	T40 X 120mm	12	72	



SCREWDRIVER SETS

SLOTTED SCREWDRIVERS WITH CA HANDLE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT73054-8B	SCREWDRIVER SLOTTED	6X150mm	10	150	
STHT73055-8B	SCREWDRIVER SLOTTED	6X200mm	10	150	
STHT73056-8B	SCREWDRIVER SLOTTED	6X250mm	10	150	
STHT73058-8B	SCREWDRIVER SLOTTED	8X150mm	5	100	
STHT73060-8B	SCREWDRIVER SLOTTED	8X250mm	5	100	
STHT73061-8B	SCREWDRIVER SLOTTED	8X300mm	5	100	
STHT73063-8B	SCREWDRIVER SLOTTED	10x1.2x200mm	5	20	
STHT73064-8B	SCREWDRIVER SLOTTED	10x1.2x250mm	5	20	
STHT73065-8B	SCREWDRIVER SLOTTED	10x1.2x300mm	5	20	

Phillips® SCREWDRIVERS WITH CA HANDLE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT73072-8B	SCREWDRIVER PHILLIPS	#2X100mm	10	150	
STHT73073-8B	SCREWDRIVER PHILLIPS	#2X150mm	10	150	
STHT73074-8B	SCREWDRIVER PHILLIPS	#2X200mm	10	150	
STHT73075-8B	SCREWDRIVER PHILLIPS	#2X250mm	10	150	
STHT73076-8B	SCREWDRIVER PHILLIPS	#2X300mm	5	100	
STHT73077-8B	SCREWDRIVER PHILLIPS	#3X150mm	5	100	
STHT73078-8B	SCREWDRIVER PHILLIPS	#3X200mm	5	100	
STHT73079-8B	SCREWDRIVER PHILLIPS	#3X250mm	5	100	
STHT73080-8B	SCREWDRIVER PHILLIPS	#3X300mm	5	100	

2-in-1 SCREWDRIVER WITH CA HANDLE



PART No.	DESCRIPTION & SIZE	BLADE LEN	PBQ	SBQ	Rs. EACH
STHT65469-8B	PHILLIPS #2, 5.0X PHILLIPS#1	200mm	12	120	
STHT65471-8B	PHILLIPS #3, 6.0X PHILLIPS#2	200mm	12	72	
STHT65472-8B	PHILLIPS #2, 6.0X.8mm, INSLTD	250mm	12	120	
STHT65473-8B	PHILLIPS #2, 6.0X.7mm, INSLTD	100mm	12	120	
STHT65474-8B	PHILLIPS #2, 6.0X.8mm, INSLTD	140mm	12	120	
STHT65493-8B	PHILLIPS #3, 8.0X.9mm	140mm	12	72	
STHT65494-8B	PHILLIPS #2, 6.0X.8mm	200mm	12	120	

CUSHION GRIP2 SCREWDRIVER SETS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	Rs. EACH
STHT65242-8	6PC SET - CARDED	STANDARD PARALLEL 5X100MM, STANDARD PARALLEL 5X150MM, SLOTTED 6.5 X 150MM, SLOTTED 5X100MM	1	12	



FASTENING TOOLS - 16 PCS. CUSHION GRIP SCREWDRIVER SET



PART No.	DESCRIPTION	PBQ	SBQ	Rs. EACH
68-0002C	16PCS - CUSHION GRIP SCREWDRIVER SET PHILLIPS®: #1x100mm, #2x100mm, #2x150mm SLOTTED: 5x100mm, 6.5x100mm, 6.5x150mm TORX®: T6x80mm, T8x80mm, T15x80mm, T20x120mm PHILLIPS® PRECISION SCREWDRIVER: #0, #1 SLOTTED PRECISION SCREWDRIVER: 1.4, 2, 2.4, 3, 4mm	1	10	

FASTENING TOOLS - VDE SCREWDRIVER 6PC SET WITH BONUS (TESTER)



PART No.	DESCRIPTION	PBQ	SBQ	Rs. EACH
65-980	VDE 6 PC SET WITH BONUS TESTER SLOTTED 3X100MM, SLOTTED 4X100MM, SLOTTED 5.5X125MM, STANDARD PARALLEL 6.5X150MM, PHILLIPS® #1X80MM, PHILLIPS® #2X100MM	1	10	

9 WAY SCREWDRIVER SET



PART No.	DESCRIPTION	CONTENTS	PBQ	SBQ	Rs. EACH
STHT62511	SCREWDRIVER- 9 WAY	CUSHION GRIP SCREWDRIVER SET, PHILLIPS #0#1, #2, STANDARD 1/8, 3/16, 1/4, 1/2 AWL, TRACK PULLER, 1 HOOK DRIVER	6	24	

6 WAY SCREWDRIVER SET



PART No.	DESCRIPTION	CONTENTS	PBQ	SBQ	Rs. EACH
STHT68012-8	SCREWDRIVER 6 WAY, QUICK CHANGE	SLOTTED 1/4, 3/16 PHILLIPS® 1 Pt, 2PT NUT DRIVER 1/4, 5/6	6	24	

CUSHION GRIP MULTI BIT 2 WAY



PART No.	DESCRIPTION & CONTENTS	PBQ	SBQ	Rs. EACH
65-201	SCREWDRIVER MULTI BITS 2 WAY SLOTTED 6x100mm, PHILLIPS® #2x100mm	6	72	

10PC MULTI-BIT RATCHETING SCREWDRIVER



PART No.	DESCRIPTION & CONTENTS	PBQ	SBQ	Rs. EACH
STHT68010-8	10PCS. SCREWDRIVER MULTI BIT RATCHETING-1 & 2 POINT PHILLIPS®/POZIDRIVE® / ROBERTSON, 5 & 6.5mm SLOTTED, T10 & T15 TORX®	6	36	

6PC PRECISION SCREWDRIVER SET

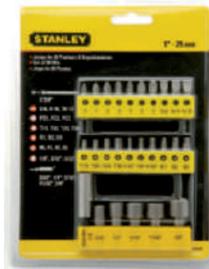


66-052

66-039

PART No.	DESCRIPTION & CONTENTS	PBQ	SBQ	Rs. EACH
66-039	6PC- PRECISION SCREWDRIVER SETO & 1 POINT PHILLIPS®, 1.4, 2, 2.4, 3mm - SLOTTED STEEL	12	72	
66-052	PRECISION SCREWDRIVER SET BI-MATERIAL-0 & 1 POINT PHILLIPS®, 1.4, 2, 2.4, 3mm	6	72	

SCREWDRIVER INSERT BIT SET



68-071-23

PART No.	DESCRIPTION & CONTENTS	PBQ	SBQ	Rs. EACH
68-071-23	29PCS - SCREWDRIVER INSERT BIT SET PHILLIPS® #1, #2, #3 POZIDRIVE® PZ1, PZ2, PZ3, S2 SLOTTED 6/8, 8/10, 10/12 TORX® T5, T20, T25, T30, HEX 3/32, 1/8, 5/32, 51, 52, 53 NUT DRIVER: 3/16, 1/4, 5/16, 11/32, 3/8, BIT HOLDER	6	36	

MULTI TESTER



PART No.	DESCRIPTION & MEASURING RANGE	PBQ	SBQ	Rs. EACH
66-137	DIGITAL DETECTION SCREWDRIVER 12V-220V	12	240	

LINESMAN TESTER

66-120

STHT72992-812



PART No.	DESCRIPTION	OIL	TIP WIDTH	PBQ	SBQ	Rs. EACH
STHT72992-812	LINESMAN TESTER-PRO	133mm	3.5mm	240	-	
66-120	LINESMAN TESTER	178mm/71/2	5mm	20	480	

HEX KEYS & FASTENING TOOLS

HEX KEY SETS



69-256-22 69-213-22

PART No.	DESCRIPTION & CONTENTS	PBQ	SBQ	RS. EACH
69-213-22	10PCS METRIC (RING) 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8, 10mm	6	72	
69-230-22	10PCS IMPERIAL (RING) 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8	12	72	
69-253-22	10PC METRIC 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8, 10mm	12	72	
69-256-22	9PCS METRIC, U/ARM BALL 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm Ball Tips	6	36	
69-257-22	12PCS IMPERIAL, U/ARM 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8 Ball Tips	6	36	

12 PC IMPERIAL BALL END HEX KEY SET - LONG



94-163-23

PART No.	DESCRIPTION	PBQ	SBQ	RS. EACH
94-163-23	12PCS. LONG BALL POINT HEX KEY - 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8	6	48	

9 PC METRIC BALL END HEX KEY SET - EXTRA LONG



94-158

PART No.	DESCRIPTION	PBQ	SBQ	RS. EACH
94-158	9PCS. EXTRA LONG HEX KEY SET (METRIC) - 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm	6	36	

9 PC METRIC BALL END HEX KEY SET - LONG



STMT94162-8

PART No.	DESCRIPTION & CONTENTS	PBQ	SBQ	RS. EACH
STMT94162-8	9PCS. EXTRA LONG HEX KEY SET (METRIC) - 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm	6	48	



8 PC TAMPER PROOF Torx® KEY SET



92-624

PART No.	DESCRIPTION	PBQ	SBQ	RS. EACH
92-624	8PC, LONG L-TYPE TAMPERPROOF TORX KEY - T6,T7,T8,T9,T10,T11,T20,T25	12	72	

9 PC Torx® KEY SET



STMT92625-8

PART No.	DESCRIPTION & CONTENTS	PBQ	SBQ	RS. EACH
STMT92625-8	9PCS - TORX KEY SET T10,T15,T20,T25,T27,T30,T40,T45,T50	6	48	

METRIC BALL END HEX KEY - LONG



94-080

PART No.	DESCRIPTION	SIZE	INCREASED LENGTH	PBQ	SBQ	RS. EACH
94-080	Hex Key Ball End	2mm	99mm	72	864	
94-081	Hex Key Ball End	2.5mm	111mm	72	864	
STMT94102-8	Hex Key Ball End	3mm	98.5mm	72	864	
STMT94103-8	Hex Key Ball End	4mm	104mm	72	432	
STMT94104-8	Hex Key Ball End	5mm	116mm	72	432	
STMT94106-8	Hex Key Ball End	6mm	138mm	72	432	
STMT94108-8	Hex Key Ball End	8mm	158mm	72	288	
94-088	Hex Key Ball End	10mm	223mm	36	72	

METRIC HEX KEY - LONG



94-149

PART No.	DESCRIPTION	SIZE	INCREASED LEN	PBQ	SBQ	RS. EACH
94-149	12mmLONG HEX KEY	12mm	209mm	18	72	
94-150	14mmLONG HEX KEY	14mm	233mm	12	48	
94-151	16mmLONG HEX KEY	16mm	240mm	12	48	

METRIC 2 WAY T-HANDLE HEX KEY



94-346

PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
94-346	2-WAY T-HDL HEX KEY	4.0mm	12	144	
94-347	2-WAY T-HDL HEX KEY	5.0mm	12	144	
94-348	2-WAY T-HDL HEX KEY	6.0mm	12	72	
94-350	2-WAY T-HDL HEX KEY	8.0mm	12	72	

MaxSteel™ C CLAMPS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
0-83-031	C CLAMP	25mm x 30mm	1x 1 3/16	30	-
0-83-032	C CLAMP	50mm x 33mm	2x 1 5/16	20	-
0-83-033	C CLAMP	75mm x 57mm	3x 2 1/4	12	-
0-83-034	C CLAMP	100mm x 75mm	4 x 3	12	-
0-83-035	C CLAMP	150mm x 89mm	6 x 3 1/2	8	-

SOLDERING IRON



69-031B

PART No.	DESCRIPTION	POWER	PIN HEAD	PBQ	SBQ	RS. EACH
69-031B	SOLDERING IRON	30W/220V	ROUND PIN	1	20	

RIVETERS



69-646-22 69-799

PART No.	DESCRIPTION	PIN HEAD	PBQ	SBQ	RS. EACH
69-646-22	MEDIUM DUTY, CW 3 NOSE PIECES	1/8, 5/32, 3/16	5	30	24
69-799	HEAVY DUTY, CW 4 NOSE PIECES	3/32, 1/8, 5/32, 3/16	6	24	

GluePro™ TRIGGER FEED HOT MELT GLUE GUN



69-GR20B

PART No.	DESCRIPTION	PIN HEAD	PBQ	SBQ	RS. EACH
69-GR20B	REG GUN ROUND PIN 100-240V CE	GS20DT / 25DT / GS260 / GS500	6	24	

LIGHT DUTY STAPLE GUN



6-TR35

PART No.	DESCRIPTION	LENGTH	STAPLES	PBQ	SBQ	RS. EACH
6-TR35	LIGHT DUTY STAPLE GUN	5- 5/8 INCH (143mm)	1/4 IN (6MM), 5/16 IN (8MM), 3/8 IN (10MM)	6	-	

LIGHT DUTY 24-GUAGE STAPLES



1-TRA204T

PART No.	LEG LENGTH	CROWN WIDTH	TYPE	PACK SIZE	PBQ	SBQ	RS. EACH
1-TRA204T	6 MM	12MM	CHISEL POINT	1000	7	56	
1-TRA205T	8 MM	12MM	CHISEL POINT	1000	6	48	
1-TRA206T	10 MM	12MM	CHISEL POINT	1000	5	40	

MEASURING & STRIKING TOOLS

MEASURING & LAYOUT TOOLS

TLM65 LASER DISTANCE MEASURER



PART No.	DESCRIPTION	TYPE (Dot/Line /Rotary)	ACCURACY DOT	WORKING RANGE	IP RATING	RS. EACH
STHT1-77032	LASER DISTANCE MEASURER	dot	+3,0mm	0,21 - 20m	Ip40	

TLM165 LASER DISTANCE MEASURER



PART No.	DESCRIPTION	TYPE (Dot/Line /Rotary)	ACCURACY DOT	WORKING RANGE	IP RATING	RS. EACH
STHT1-77139	LASER DISTANCE MEASURER	dot	+1,5mm	0,1 - 50m	Ip54	

CUBIX™ CROSSLINE LASER



NEW

PART No.	DESCRIPTION	ACCURACY	WORKING RANGE	PBQ	SBQ	RS. EACH
STHT1-77340	CROSSLINE LASER	± 0.8mm @1M	12M	4	-	

MEASURING TAPE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
STHT30436	With Blister Pack	3M X 12,7mm	6	36	
STHT30437	With Blister Pack	5M X 19mm	6	36	

318mm/ 12 MEASURING WHEEL



PART No.	DESCRIPTION	WHEEL SIZE	PBQ	SBQ	RS. EACH
1-77-174	MW408, MEASURING WHEEL	318mm-12	1	6	



FatMax Xtreme 180° ADJUSTABLE TORPEDO LEVEL - MAGNETIC



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
43-609	FATMAX XTREME TPD LEVEL	225mm-9	6	-	

Grade™ ALUMINIUM TORPEDO LEVEL - MAGNETIC



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
STHT42465-8	LEVEL TORPEDO MAGNETIC	225mm-9	6	-	

PLASTIC TORPEDO LEVEL - MAGNETIC



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
STHT42264-8	LEVEL JOBMASTER TORPEDO MAGNETIC	225mm / 9	6	-	

MEASURING TOOLS & LAYOUTS - STANLEY CLASSIC BOX LEVELS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
STHT1-43118	STANLEY CLASSIC BOX LEVEL	300mm / 12	10	-	
STHT1-43103	STANLEY CLASSIC BOX LEVEL	600mm / 24	10	-	
STHT1-43105	STANLEY CLASSIC BOX LEVEL	1000mm / 36	10	-	
STHT1-43106	STANLEY CLASSIC BOX LEVEL	1200mm / 48	10	-	

MEASURING TOOLS & LAYOUTS - I- BEAM LEVELS - TOP BEAD



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
42-072	LEVEL I-BEAM	300mm / 12	10	-	
42-074	LEVEL I-BEAM	600mm / 24	5	-	
42-075	LEVEL I-BEAM	900mm / 36	5	-	
42-076	LEVEL I-BEAM	1200mm / 48	5	-	

WHITE / BLUE CHALK LINE REELS



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
47-443	CHALK REEL	30m / 100	2	6	



STRIKING TOOLS

CLAW HAMMER



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
51-152	CLAW HAMMER STEEL SHAFT	220gms / 8	6	48	
51-158	CLAW HAMMER STEEL SHAFT	560gms / 20	6	24	

WOOD HANDLE NAIL HAMMER



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
51-159	WOOD HANDLE NAIL HAMMER	450gms/16	6	24	

FIBREGLASS NAIL HAMMER



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
51-186	FIBREGLASS NAIL HAMMER	450gms / 16	6	24	
51-187	FIBREGLASS NAIL HAMMER	560gms / 20	6	24	

CAMP AXE



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
54-105	CAMP AXE STEEL SHAFT	560gms / 20	6	24	

BALL PEIN HAMMER



PART No.	DESCRIPTION	SIZE	PBQ	SBQ	RS. EACH
54-106	BALL PEIN HAMMER	110gms/ 4	6	96	
54-107	BALL PEIN HAMMER	220gms/ 8	6	48	
54-111	BALL PEIN HAMMER	340gms/ 12	6	36	
54-114	BALL PEIN HAMMER	450gms/ 16	6	24	
54-115	BALL PEIN HAMMER	680gms/ 24	4	16	
54-118	BALL PEIN HAMMER	900gms/ 32	4	8	



HAMMERS & MULTI TOOLS

SOFT FACE HAMMER



PART No.	DESCRIPTION	SIZE	PBQ	SBO	Rs. EACH
57-054	SOFT FACE HAMMER WWOOD HANDLE	22mm	6	60	796
57-055	SOFT FACE HAMMER WWOOD HANDLE	28mm	6	36	899
57-056-23	SOFT FACE HAMMER WWOOD HANDLE	35mm	6	36	1,221
57-057	SOFT FACE HAMMER WWOOD HANDLE	45mm	6	24	2,126

Compo-Cast® STANDARD HEAD SOFT FACE HAMMERS



PART No.	DESCRIPTION	WT.	FACE DIA.	HEAD LEN	SIZE	PBQ	SBO	Rs. EACH
1-57-531	SOFTFACE.	510GM-18	40mm	95mm	286mm	4	4	2,458
1-57-532	SOFTFACE.	595GM-21	45mm	103mm	327mm	4	4	2,627

RUBBER MALLETS



PART No.	DESCRIPTION	WT.	HEAD LEN	PBQ	SBO	Rs. EACH
57-527	RUBBER MALLET	450gm-16	350mm	6	36	270
57-528	RUBBER MALLET	680gm-24	350mm	6	24	323

SLEDGE HAMMER WITH HICKORY HANDLE



PART No.	DESCRIPTION	WT.	PBQ	SBO	Rs. EACH
95IB56400E	HICKORY HANDLE	1.36kgs / 3	4	16	660
95IB56401E	HICKORY HANDLE	1.81kgs / 4	4	8	828
95IB56608E	HICKORY HANDLE	3.62 kgs / 8	4	4	1,862
95IB56612E	HICKORY HANDLE	5.44 kgs / 12	2	2	2,567

3 PCS. WOOD CHISEL SET



PART No.	DESCRIPTION & CONTENTS	PBQ	SBO	Rs. EACH
16-089	3 Pcs WOOD CHISEL SET - 1/2 x 7 3/4, 3/4 x 7 3/4, 1 x 7 3/4	5	30	583

HYDRAULIC BOTTLE JACK



PART No.	CAPACITY	LIFTING HEIGHT MIN.	LIFTING HEIGHT MAX.	N.W.G.W KG	PBQ	SBO	Rs. EACH
ST90801CE	8000kg/8	230	457	6,366	1	4	3,018
ST92001CE	20000kg/20	242	452	11,511.9	1	2	5,016
ST-93001CE	30000kg/30	285	465	21,217	1	1	12,861
ST-95001CE	50000kg/50	300	485	34	1	1	18,093

BRITool EXPERT

TORQUE WRENCHES- 3/8 CLASSIC



PART No.	DESCRIPTION	TORQUE RANGE	LENGTH	PBQ	SBO	Rs. EACH
AVT100A	3/8 Sq. Dr. Torque Wrench	2.5-11nm	318mm	1	8	11,263
AVT300A	3/8 Sq. Dr. Torque Wrench	5-33nm	422mm	1	4	11,440

TORQUE WRENCHES- 1/2 CLASSIC



PART No.	DESCRIPTION	TORQUE RANGE	LENGTH	PBQ	SBO	Rs. EACH
EV7600A	1/2 Sq. Dr. Torque Wrench	12-68nm	476mm	1	4	11,979
EVT1200A	1/2 Sq. Dr. Torque Wrench	25-135nm	546mm	1	2	12,721
EVT2000A	1/2 Sq. Dr. Torque Wrench	50-225nm	597mm	1	2	13,271
EVT3000A	1/2 Sq. Dr. Torque Wrench	70-330nm	825mm	1	4	15,078

TORQUE WRENCHES- 3/4 & 1 CLASSIC



PART No.	DESCRIPTION	TORQUE RANGE	LENGTH	PBQ	SBO	Rs. EACH
HVT5000	3/4 SQ.DR.TORQUE WRENCH	140-560nm	1130mm	1	1	36,673
HVT7200	3/4 SQ.DR.TORQUE WRENCH	200-810nm	1181mm	1	1	37,479
GVT8400	1 SQ.DR.TORQUE WRENCH	480-940nm	1397mm	1	1	60651

TORQUE WRENCHES- 3/8 & 1/2 RATCHETING TYPE



PART No.	DESCRIPTION	TORQUE RANGE	LENGTH	PBQ	SBO	Rs. EACH
STMT73588-8	3/8 Sq. Dr. Torque Wrench	10-50nm	409mm	1	6	7,802
STMT73590-8	1/2 Sq. Dr. Torque Wrench	40-200nm	519mm	1	6	8,928
STMT73591-8	1/2 Sq. Dr. Torque Wrench	60-340nm	610mm	1	4	9,375



MULTI TOOLS - 7-IN-1 PLIERS



NEW

PART No.	DESCRIPTION	PBQ	SBO	Rs. EACH
STHT73779W	7-in-1 Multi-Tool Combination Plier, Wire Cutter, Knife, Soft File, Hard File, Slotted Screwdriver	6	-	1,272

MULTI TOOLS - 8-IN-1 WRENCH



NEW

PART No.	DESCRIPTION	PBQ	SBO	Rs. EACH
STHT73844W	Adjustable wrench, Saw, 2-3/4" drop point blade, Philips screwdriver, Slotted screwdriver, Soft file, Hard file, Bottle opener	6	-	1,383

MULTI TOOLS - 10-IN-1 AXE



NEW

PART No.	DESCRIPTION	PBQ	SBO	Rs. EACH
STHT73845W	Axe, Hammer, Hex wrench, Saw, 2.75" drop point blade, Philips screwdriver, Slotted screwdriver, Soft file, Hard file, Stainless steel multi-tool includes a bottle opener	6	-	1,308

MULTI TOOLS - 11-IN-1 HAMMER



NEW

PART No.	DESCRIPTION	PBQ	SBO	Rs. EACH
STHT73846W	Hammer, Slotted screwdriver, Soft file, Hard file, Saw, 2-3/4" drop point blade, Philips screwdriver, Bottle opener, Wire cutters, Nail claw, Combination pliers	6	-	1,328

MULTI TOOLS - 12-IN-1 PLIERS



PART No.	DESCRIPTION	PBQ	SBO	Rs. EACH
1-84-519	Long nose pliers, Curve jaw pliers, Wire cutter, saw, Phillips® screwdriver, Standard screwdrivers (1/4", 5/16", 1/8"), Small knife, Large knife, Bottle opener	6	-	972

SPECIAL SERVICE TOOLS



Flywheel Puller



Socket Wrench



Universal Holder



Clutch Centre Holder



Valve Spring Compressor



Tappet Adjuster With Socket (9 mm)



Ball Race Driver



Bottom Cone Race Punch



Universal Bearing Puller



Valve Guide Remover



Tappet Cover Wrench



Socket 20 mm



Socket 24 mm



Aluminium Plug



Avg. Testing Bottle With Fixture



Plastic Oil Seal Guide Kit



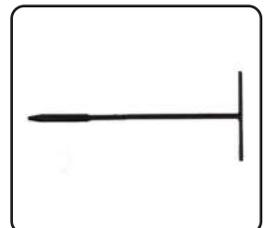
GPD Holder



Fr. Fork Oil Seal Driver Body



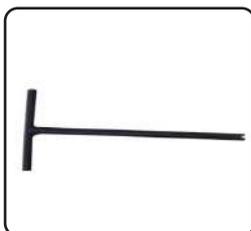
Fr Frk Oil Seal Drv Attachment (27 mm)



Fr.Fork Dismantling Tool



Compressor Rr. Shock Absorber



Oil Pump Spindle Holder



Swing Arm Pivot Nut Socket

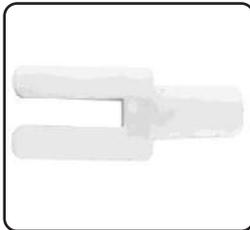


Strg Brg Adj Nut Dual Span

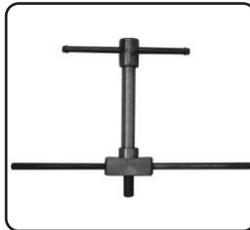


Collet Bearing Remover

SPECIAL SERVICE TOOLS



Piston Slide Base



Race Steering Cone Inserter



T Stem Cone Remover



Ratchet spring retainer



Driver 40X46 mm



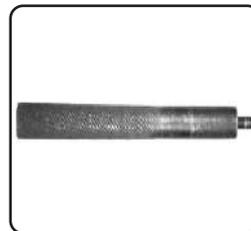
Driver 31.8 X 34.8 mm



Pilot 17 mm



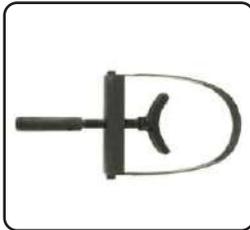
Pilot 11.8 mm



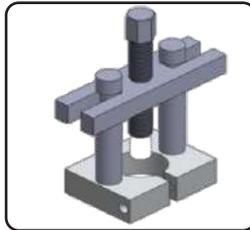
Brake Pad Hanger Pin remover



Main / Side stand spring Installer



Magnet Holder (Clamp Type)



Front Fork Spring Preload Spacer Compressor



Clutch Adj. Tool With Screw Driver



Socket Strg. Stem Nut (32 mm)



Strg. Brg Adj. Nut Spanner (Street)



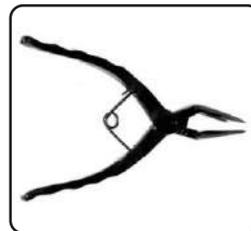
Ball Race Driver



Fr Frk Oil Seal Drv Atch Dia 30 mm



Tappet Adjuster With Socket (10 mm)



Pierer's Puller



Collet - 17 mm



Fr Frk Oil Seal Drv Atch Dia 31 mm



Crankcase Brg Remover Collect 15mm



Crankcase Brg Remover Shaft



Crankcase Brg Remover Weight



Handle Bearing Driver

SPECIAL SERVICE TOOLS



Driver Outer 22X24



Driver Outer 32X35



Driver Outer 42X47



Pilot Driver 12 mm



Pilot Driver 15 mm



Pilot Driver 21 mm



Pilot Driver 28 mm



Pilot Driver 30 mm



Remover Head



Strg Brg Adj Nut Socket



Inspection Cap (Timing) Driver



Inspection Cap (Flywheel Nut) Driver



Driver 24X27 mm



Socket Wrench (Rotor Filter And Clutch)



Crankshaft Brg (RHS) Puller Cum Inserter



T-Stem Cone Puller



Collet - 17 mm



Wheel Bearing Remover Shaft



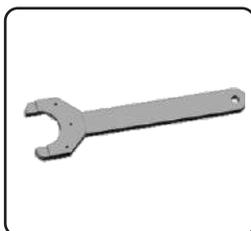
Drive Shaft Installer Extension



Collect 20 MM



Cam Sprocket Driver



Top Cone Race Holder



Driver Outer 22X24



Clutch Adj. Tool With Screw Driver



Tappet Adjuster With Socket (10 mm)

SPECIAL SERVICE TOOLS



Bottom Cone Race Driver



Pilot 20 mm



Crankshaft Brg (LHS) Inserter



Counter shaft oil seal guide



Rear Engine Foundation Bush Remover



Front Engine Foundation Bush Remover



Drive Shaft Installer Extension



Drive Shaft Brg Remover With Sleeve



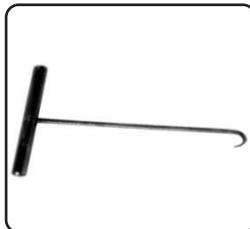
Drive Face Holder



Driven Face Nut Socket



Driven Face Spring Compressor



Centrifugal Clutch Spring Remover



Driven Face Brg Remover & Installer



Fr. Fork Oil Seal Driver Body



Flywheel Holder



Strg Brg Adj Nut Socket 45.3 mm



Upper Cone Race Remover



Bottom Cone Race Remover Head



Bottom Cone Race Remover Shaft



Bottom Cone Race Remover Weight



Upper & Bottom Cone Installer



T-Stem Cone Installer



Shock Absorber Extractor



Timing Sprocket Remover



Timing Sprocket Installer

SPECIAL SERVICE TOOLS



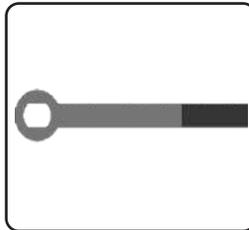
Crankshaft Bearing Driver



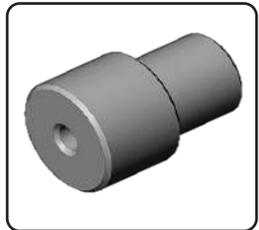
Inspection Cap (Timing) Driver



Socket Wrench (Rotor Filter And Clutch)



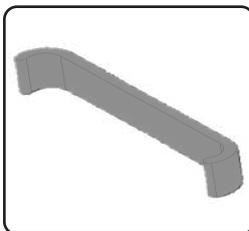
Fly Wheel Puller Holder



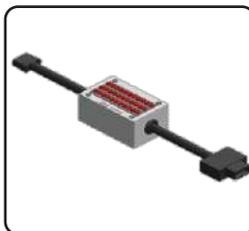
Crank Shaft Pilot



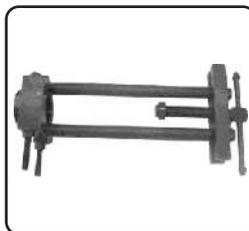
Magnet Holder (Clamp Type)



Oil Cooler Cover



Pin Out Box



Stem Cone Puller



Bottom Cone Race Punch



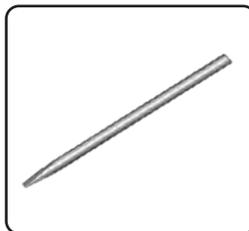
Upper + Bottom Cone Race Stoller



Steering Bearing Adjusting Nut Socket



Remover Head 15MM



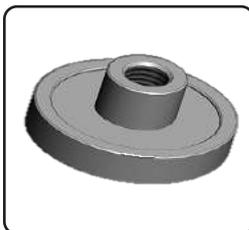
Bearing Remover Head Shaft



Swing Arm Bearing Remover & Insert



Crankshaft Bearing Collar



Driver RHS Crankshaft Bearing



Crankshaft Installer Bearing



Inspection Cap (Flywheel Nut) Driver



Steering Race Remover



Steering Race Installer



Steering Adjuster Nut Socket



Swingarm Bearing Remover



Swingarm Bearing Installer



Mono-Shock Bearing Remover & Installer

SPECIAL SERVICE TOOLS



Wheel Bearing Remover Head



Wire Harness



Crankcase Brg Remover Shaft



Sprocket Holder



Torx Bit T 30X90L



Fuel Pipe Clamp



Fuel Pressure Gauge KWFF



SCS Connector



Torx Bit - T20(50MM)



Torx Bit - T25(50MM)



Quick Change Adaptor



Holder Gear Drum Stop Arm



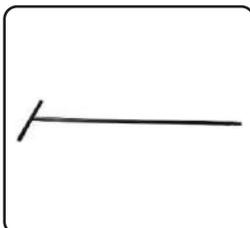
Torx Bit - T25(50MM)



Fork Seal Driver



Oil Seal Remover



Piston Remover Frt Cush



Socket Wrench Stg



Ball Race Remover



Stg Cone Installer,frame



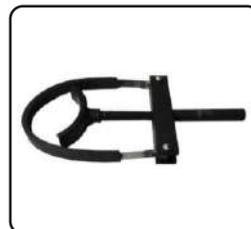
Stg Cone Installer



Slider Base Piston



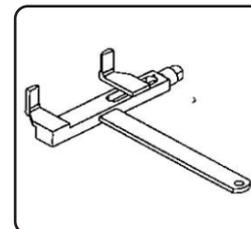
Bearing Remover Head 15mm



Rotor Holder



Quick Change Adaptor



Clutch Sleeve Hub Holder

GENERAL ACCESSORIES



Bench Grinder



Waste Oil Collector



Brake oil receiver with back vent



PVC flexible funnel.
With detachable
flexible neck,



Plastic funnel set
4 piece. different
sized plastic funnels.



Mini double action
grease gun



Oil can



Plastic oiler with
vertical flexible sput



Hydrometer



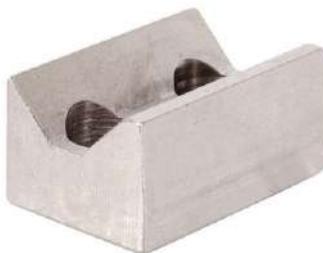
Exhaust Blower



Foldable Tool Box



Tool Box



Vblock



Multimeter



Bench Vice

GENERAL ACCESSORIES



Tyre Pressure Gauge



Soldering Iron



Reducer



Helmet Stand



Hydraulic Hose



Drill Machine



First Aid Box



Plastic Bin



Plastic Bin



Compression Gauge



Surface Plate



Spring Balancer



Axle Stand



Axle Stand



Hydraulic Jack

PNEUMATIC TOOL



Pneumatic Gun



Pneumatic Gun



Pneumatic Gun



Pneumatic Gun



Pneumatic Screw Driver



Air Hammer



Socket Set



Pucoiled Hose 5x8



Pucoiled Hose 8x12



Tap & Die Set



Lubricator



Filter Regulator



Air Gun



Polisher Grinder



Hose Reel



Reliable All The Way



Metafab Engineers India Pvt. Ltd.

An ISO 9001 : 2008 & TS :16949 Certified Company

Corp. Office : Plot No. 299, Sector -24, Faridabad - 121005 (Haryana) INDIA

MFG. UNIT : Plot No 318, Sector -24, Faridabad - 121005 (Haryana) INDIA

Tel : + 91 129 2239211 | 4189444 | **CUSTOMER CARE :** 1800 - 180 - 1571

Email : metafabindia@gmail.com | **URL :** www.metafabindia.com

For Compliant Registration www.metafabconnect.com

MAKE IN INDIA

