# KPISTEE ${ }^{\oplus}$ 

GAUGE USER MANUAL

2) To Check Surface Level By Spirit Level

3) Center Head ,casting Base Painted, Blade Made In Hardened Steel Use:- Finding And Marking Center Point Of Round Discs And Shafts Range:- Upto 100 Mm Diameter


To check circumference and OD Diameters of Cylindrical surfaces

| $\underset{\substack{\text { (1515) }}}{\text { Mod }}$ | Circumference | $\begin{aligned} & \text { Diameter } \\ & m m \end{aligned}$ | $\underset{(1515)}{ }$ Model | $\begin{gathered} \substack{\text { Circumference } \\ \mathrm{m}} \\ \hline \end{gathered}$ | Diameter |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A | 60-950 | 20-300 | I | 9730-10990 | 3100-3500 |
| B | 940-2200 | 300-700 | J | 10980-12250 | 3500-3900 |
| C | 2190-3460 | 700-1100 | K | 12240-13510 | 3900-4300 |
| D | 3450-4720 | 1100-1500 | L | 13500-14760 | 4300-4700 |
| E | 4710-5980 | 1500-1900 | M | 14750-162020 | 4700-5100 |
| F | 5970-7230 | 1900-2300 | N | 161010-17280 | 5100-5500 |
| G | 7220-8490 | 2300-2700 | 0 | 17270-18540 | 5500-5900 |
| H | 8480-9740 | 2700-3100 | P | 18530-19790 | 5900-6300 |

S.W.G ROUND/ RECTANGULAR WIRE GAUGE


Use:- To determine the eet thickness and Diameters in S.W.Gauge Nos. \& Milimeter.


Other Available Models:-

1) Standard SWG Round Wire Gauge 2) Rectangular Metric Wire Gauge 3) American Wire Gauge For Ferrous Material
2) American Wire Gauge For Non Ferrous Material

## DIGITAL TYRE DEPTH GAUGE

Uses:- This rugged gauge,
fabricated in stainless
steel, will measure the depth of tyre tread depth in $\mathrm{mm} / \mathrm{inch}$.


Range:- 0 upto 20 mm

## TYRE DEPTH GAUGE

Uses:- To check tyres tread depth.
Material:- Stainless Steel
Range:- Upto 54 mm (Small) Upto 100 mm (Big)


Least count:- 0.1 mm
Finish:- Polished

## BORE GAUGES

Uses:- to determine the Diameters of any bore, insert the Bore Gauge in the hole to be checked, the point where gauge contacts the bore given the dimension of the hole. Its measure the dimension from 1 mm to 15 mm with increment of 0.1 mm also use full gage to check plate gap in welding geometry.


| Model | ACF | A | B | C | D |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Range | $1-15 \mathrm{~mm}$ <br> (Chrome finish) | $1-15 \mathrm{~mm}$ | $15-30 \mathrm{~mm}$ | $30-45 \mathrm{~mm}$ | (4 Leaf) $1 / 16^{\prime \prime}$ To 1 1/16" |



ACME SCREW PITCH GAGUE

## THREAD FORMULAS

 PITCH $=25.4 / \mathrm{TPI}$ DEPTH (D) $=0.5 \mathrm{P}+0.25 \mathrm{~mm}$ $T=0.3707 \mathrm{P}$

Range:- 10 n to 1 n (16 blades)

| SR. | T.P.I. | THREAD | THREAD |
| :---: | :---: | :--- | :---: |
| NO. | n | PITCH mm | DEPTH mm |
| 1 | 1 | 25.4 | 12.95 |
| 2 | $11 / 3$ | 19.05 | 9.775 |
| 3 | $11 / 2$ | 16.933 | 8.716 |
| 4 | 134 | 14.514 | 7.507 |
| 5 | 2 | 12.7 | 6.6 |
| 6 | 2112 | 10.16 | 5.33 |
| 7 | 3 | 8.466 | 4.483 |
| 8 | 3112 | 7.257 | 3.878 |
| 9 | 4 | 6.35 | 3.425 |
| 10 | 5 | 5.08 | 2.79 |
| 11 | 6 | 4.233 | 2.366 |
| 12 | 7 | 3.628 | 2.064 |
| 13 | 8 | 3.175 | 1.837 |
| 14 | 9 | 2.822 | 1.661 |
| 15 | 10 | 2.54 | 1.52 |
| 16 | 12 | 2.116 | 1.308 |

Uses:- To Check thread profile of lead screw $\mathrm{n}=$ threads per inch (TPI)

## SCREW PITCH GAUGE

Material :- Carbon Steel \& Stainless Steel
Range:- 30 leaves $4-80$ tpi ( $55^{\circ}$ )
and metric $60^{\circ}$
Finish:- Polished


## Feature /USE:-

## PARALLEL COVER (TOP O11 $\times 64 \times 0.8 \mathrm{~mm} \mathrm{SS} 202$

To check and determine the screws pitches for ISO metric threads and with worth 55 degree and United Nations threads unf/unc $60^{\circ}$
Available models:
SPG
SPG SS

1) Metric $60^{\circ} 0.25$ to 6.0 mm
2) English 4 to 84 tpi ( $55^{\circ}$ and $60^{\circ}$ )

## UNIVERSAL BEVEL PROTRACTOR

BLADE (6"\&12")
SCALE CLAMP
blade clamp
ACUTE ANGLE
ATTACHMENT

## FINE ADJUSTING KNOB



Uses:- KRISTEEL Universal Bevel Protractor is a high precision angle gauge for setting and inspection all types of machines, metal moulds and jigs, fixtures. Blade are available in 150 mm (6") and 300 mm (12") .
Features:- 1) Minimum reading (least count) in 5 minutes. 2) Main Scale and Vernier scale are on the same plane to eliminate reading parallax. 3) Fine adjustment of the blade insures precision measuring and laying out of angle. 4) Main parts are of hardened stainless steel to prevent rust. Combined with an attachment or height Gauge, a wide range of measurement is available.


7LEAF FILLET WELD GAUGE
For inspection of concave or convex fillet welds. Fillet weld gauge allows fast, accurate measurement of eleven (11) fillet weld sizes:- $1 / 8,3 / 16,1 / 4,5 / 16,3 / 8$, $7 / 161 / 2,5 / 8,3 / 4,7 / 8$ and 1 " and their metric equivalent, to determine weld sizes, either concave or convex.


Place single arc edge flush to base material so blade tip touches vertical
member. If tip touches the weld as it touches the vertical member, the weld is the size indicated.
 the center of the weld, the weld is the
profile desired and is the size indicated

## BRIDGE CAM TYPE WELD GAUGE

Features: angle of preparation(0 to $60^{\circ}$ ), excess weld metal, fillet weld leg length,


Place double arc edge flush to the base materialso tip touches vertical member. the center of the weld, the weld is the throat size, misalignment and hole sizes for but weld and but weld reinforcement. General linear measurements up to 60 mm or 2 inches Scales graduated in metric units.


Adjustable Scale Mitre slide


AUTOMATIC WELD GAUGE
 of reinforcement, concavity and under fill, determine size of fillet weld. Scales


DIGITAL WELDING GAUGE


Check plate angles $60,70,80 \& 90$ degree

12 LEAVES WELD CUM RADIUS GAUGE SET


Feature:-

1) This Gauge Is Made Set Of 12 Sizes 2) Same Gauge Leaf Can Check Welding Throat Size And Concave Radius Also 3) Gauge Can Be Used For Checking Any Profiles Radius 3-12mmUsefull To Welding, Maintance Dept. Quality Dept. Trader Etc.


## MEASURE FIT-UP GAP



INTERIOR ALIGNMENT
SCALE N 32 ds (MN)



Material:- Stainless steel | Range:- 0 To 13 mm. | Finish:- Polished Feature /Use:- This is small pocket sized gauge designed to identify the condition a pipe. The Gauge is placed horizontally on the surface of the pipe and the stylus/ arm is Positioned into the base of the corrosion pit. The gauge shows the depth of pit also Can be check the pipe wall thickness and compared with nominal wall thickness. Data printed on the body of the gauge includes 4.5 " long scale in inch \& Metric Useful conversion table on back side and formulas on top This gauge is useful for pipe welders, pipe coaters.

## MULTI PURPOSE WELD GAUGE (WG-A)

Features : angle of preparation, excess weld metal, fillet weld leg length, throat size, smisalignment and hole sizes for but weld and but weld reinforcement. Scales graduated in metric units, supplied in a protective case and instruction leaf


SCRIBE LINE SCALES OR SOCKET
FILLET WELD SCALLS IN 16Ths (MM)


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## Material:- Stainless Steel

Range:- 0 to 300 mm . $/ 0$ to $12^{\prime \prime}, 0$ to 180 Degree
Least count:- $0.5 \mathrm{~mm} / 1 / 64^{\prime \prime}, 1$ Degree
Finish:- Polished Finish
Features:- This is a very precise polished rule having metric and English graduations and also angle protractor markings upto $180^{\circ}$
This scale is useful in fabrication to mark angles for cutting the sheet make different joints useful in wood working industries for marking useful in pipe fabrication to mark on sheet


This gauge can be use as master gauge to setting angles $45^{\circ}, 45^{\circ}, 90^{\circ}$ \& $30^{\circ}, 60^{\circ}, 90^{\circ}$ This gauge is useful in tool room, die makers, mould makers, woodworking industry \& quality control

## Range:- Find centre upto 75 mm

diameter disc scale up to 100 mm
Least count:- 1 mm
Used:- Designed for rapid and accurate location of the centre of disc/ the face of round bar. Place the vee of the centre square on the object and scribe a line along its graduated edge. Repeat the same at some other distant point on the said object. The intersection point of two lines is the centre Can check length upto 100 mm . By scale given on blade Square base can be used as a try Square for $90^{\circ}$



Uses:- To check the angle of any fabricated part and also Dove Tail angles of shafts gauge made of stainless steel with fine blanking. Usefull in workshop General Purpose, Tool \& Die maker, Wood working industries, Quality Dept. etc.
Available Models:- 1 ) $1^{\circ}$ to $45^{\circ}(20$ Leaves Assembled
Incremental of $1^{\circ}, 2^{\circ} \& 5^{\circ}$ )
2) $5^{\circ}$ to $90^{\circ}$ set ( 18 Individual Leaves Incremental of $5^{\circ}$ )

## MULTI USE RULE AND GAUGE

Range:- English Rule upto 5"
and Metric Rule upto 90 mm and Angle 0-180
Least count:- $1.0 \mathrm{~mm} / 1 / 64^{\prime \prime}$ on Rule and $1^{\circ}$ on Protractor Finish:- Polished Uses:Multi Use 4-3/4" ( 120 Mm ) Rule and Gauge Six


## CENTRE FINDER ASSEMBLY - ROUND BAR STYLE

Material:- Carbon steel | Range:- upto 6" Dia Shaft
Finish:- Satin Chrome Plated | Uses:- this is hard chrome plated setting gauge useful in workshop for drilling on round bar/ pipe exactly At center of work piece. Setting instruction as below:-
1)Place center finder in drill chuck or collet located in machine spindle. 2)Align legs of center finder perpendicular to work piece held in vice. 3)Move machine spindle down until legs contact work piece. 4)Look at pointer \& Line scribed on Shaft / Shank of center finder. 5)If not in line as in fig. 2 move machine $X$ or $y$ axis until aligned properly



Least Count:- 1.0 mm .
Finish:- Polished
Uses:- This Gauge Is Useful For Marking And Measuring Jobs From One Side Which Is Base Line For Marking. This Gauge Is Useful In Tool Room, Fabrication Work, Wood Working Industry.

## DELUXE CNC TOOL SETTING GAUGE

Accurately sets turning, boring a facing tools on the centreline of the work piece. Also used to:-
Set up grinding wheel on centreline of tooth rest for cutter grinding. Set table stops on horizontal mills. Index hex,
 squares, etc., shapes on milling machines.


Place the V -body on a machine component whose angle is parallel to the cutter in feed path. (This may be the machine bed, cross slide, turret top, etc.) Now zero and lock the level vial. The gauge is ready to use.

## SLIDING T BEVAL

## A \& B- Set Angle

Material:- Stainless Steel
Range:- 6 " Blade Length
4" Base Length
Finish:- Polished
Uses:- This Gauge Can Be Set At Any Angle Using Master Angle Gauge Or Protractor Blade Is Adjustable That Is Useful To Mark A Long Line. Adjustable Blade Rest In Metal Base While Not In Use Hence Safety Packing This Gauge Is Useful In Tool Room, Die Makers, And Mould Markers \& Woodworking Industry.

## ENGINEER KIT



## KRISTEEL゚

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[^0]:    Check but weld reinforcement upto 4 mm

