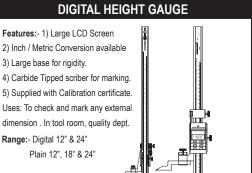
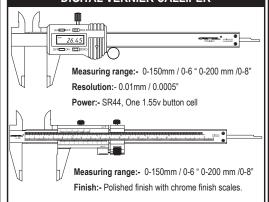
# KRISTEE

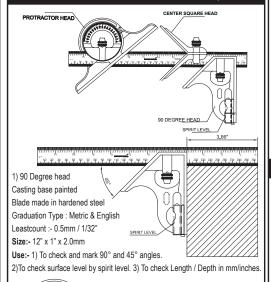
# **GAUGE USER MANUAL**

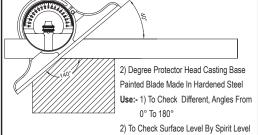


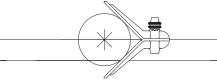
#### DIGITAL VERNIER CALLIPER



# **4PC COMBINATION TRY & METER SQUARE**

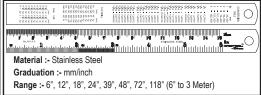




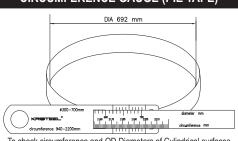


3) Center Head ,casting Base Painted, Blade Made In Hardened Steel Use:- Finding And Marking Center Point Of Round Discs And Shafts Range:- Upto 100 Mm Diameter

# STAINLESS STEEL RULERS



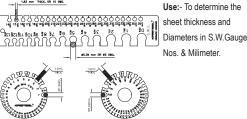
#### **CIRCUMFERENCE GAUGE (PIE TAPE)**



To check circumference and OD Diameters of Cylindrical surfaces

Model (1515)	Circumference	Diameter	Model (1515)	Circumference	Diameter
Α	60-950	20-300	- 1	9730-10990	3100-3500
В	940-2200	300-700	J	10980-12250	3500-3900
С	2190-3460	700-1100	K	12240-13510	3900-4300
D	3450-4720	1100-1500	L	13500-14760	4300-4700
Е	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
Н	8480-9740	2700-3100	Р	18530-19790	5900-6300

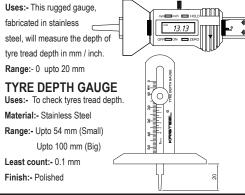
#### S.W.G ROUND/ RECTANGULAR WIRE GAUGE



#### Other Available Models:

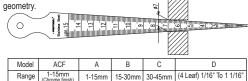
- 1) Standard SWG Round Wire Gauge 2) Rectangular Metric Wire Gauge
- 3) American Wire Gauge For Ferrous Material
- 4) American Wire Gauge For Non Ferrous Material

#### **DIGITAL TYRE DEPTH GAUGE**



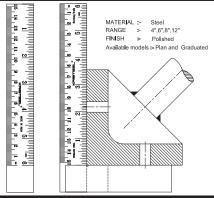
### **BORE GAUGES**

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

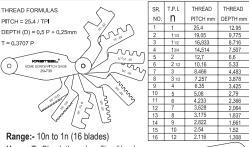


1-15mm

#### **ENGINEERS SQUARE**



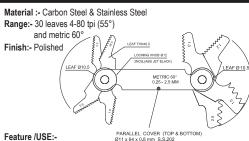
#### **ACME SCREW PITCH GAGUE**



Uses:- To Check thread profile of lead screw

n= threads per inch (TPI)

### **SCREW PITCH GAUGE**



Feature /USE:-

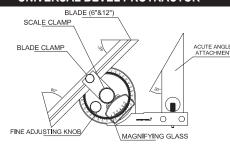
To check and determine the screws pitches for ISO metric threads and with worth 55 degree and United Nations threads unf/unc 60° Available models:

SPG SS

1) Metric 60° 0.25 to 6.0mm

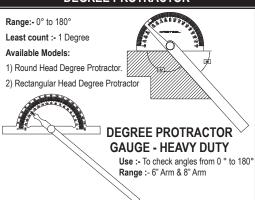
2) English 4 to 84 tpi (55 ° and 60°)

#### UNIVERSAL BEVEL PROTRACTOR

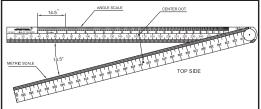


Uses:- KRISTEEL Universal Bevel Protractor is a high precision angle gauge for setting and inspection all types of machines, metal moulds and jigs, fixtures. Blade are available in 150 mm (6") and 300 mm (12") Features:- 1) Minimum reading (least count) in 5 minutes. 2) Main Scale and Vernier scale are 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

#### **DEGREE PROTRACTOR**



#### 600mm FOLDING RULE WITH ANGLE CALCULATION CHORD



Material:- Stainless Steel | Range:- Upto 24" (600mm) | Finish:- Polished Leastcount:- Linear 0.1mm to Angular 0.5 °

Rule incorporates a scale from 0 ° to 120 ° in 1/2 °

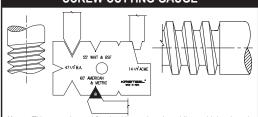
Two center dots are provided, one on each blade and with the aid of dividers, the rule can be set at any angle, or an existing angle can be determined line of chords. The circumference scale indicates the circumference by measuring the diameter.

#### **CENTER GAUGE 55° / 60°**

Uses:- The Center gauge is used to set thread cutting tools. For scales on the gauge are used for determining the number of threads per inch. The gauge is also used to check out threads. Useful tool to check grinding wheel angles.

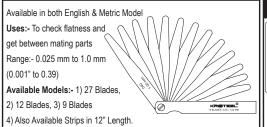
RECOMMENDED STD METRIC TAP DRILL SIZE FOR 75% THREADS					
TAP SIZE		STD.PITCH	DRILL SIZE		
М	1.6	0.35	1.25		
М	2	0.40	1.60		
М	3	0.50	2.50		
М	4	0.70	3.30		
м	5	0.80	4.20		
М	6	1.00	5.00		
М	8	1.25	6.75		
м	10	1.50	8.50		
м	12	1.75	10.00		
М	14	2.00	12.00		
М	16	2.00	14.00		
м	18	2.50	15.50		
М	20	2.50	17.50		
	22	2.50	19.50		
м	24	3.00	21.00		

# **SCREW CUTTING GAUGE**



Uses:- This gauge is used for checking tool angles while machining threads in metal turning lathes. Whitworth, BSF, BA Metric, American National and Acme thread angles are clearly etched on the plate for easy recognition.

#### **FEELER GAUGE ASSY AND STRIPS**



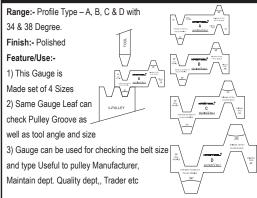
#### WET FILM THICKNESS GAUGE

Range:- 1 to 80 Mil Uses:- Wet Film Thickness gauges desired to quickly & easily measure the thickness of coatings immediately after they have been applied to a substrate. The Gauge incorporate a series of notches including paints,

resins, lacquers, varnishes, gel coat etc. may be measured.

The thickness of powder type coatings may be measured before curing.

#### **PULLEY GAUGE**



#### **CHAMFER GAUGE**



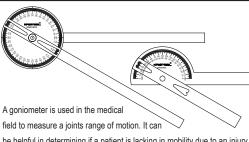
USES:-To determine and check the chamfer of any round or rectangle part Gauges have 18 blades Duty fine edge profiled, numbered six on each blade Useful gauge in Tool Room, Workshop,

Quality Control department

Range: - 0.5 to 5.0 mm (18 blades)

Finish:- Polished

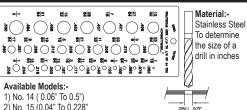
#### **GONIOMETER**



be helpful in determining if a patient is lacking in mobility due to an injury, or how well he is recovering after sustaining an injury. The term "goniometer" comes from two Greek words that mean "angle" and "measure". This is essentially what you are doing when you measure range of motion-measuring an angle. There are three types Goniometer. 6" & 8" have 180° protractor scale half round model 12" have full round 360° protractor scale

Range: - 6", 8" & 12" Finish:- Polished

#### **DRILL GAUGE**

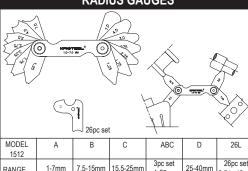


#### **GEAR TOOTH PITCH GAUGE**

Product Description
Grear Tooth Pitch Gauge - (DP 14.5°) 6 - 80 DP
Grear Tooth Pitch Gauge - (DP 20°) 6 - 80 DP
Grear Tooth Pitch Gauge - (MMP 14.5°) 0.35 - 4.5MM
Grear Tooth Pitch Gauge - (MMP 20°) 0.35 - 4.5MM
Grear Tooth Pitch Gauge - (DP 14.5°) 2 - 5 DP
Grear Tooth Pitch Gauge - (DP 20°) 2 - 5 DP
Grear Tooth Pitch Gauge - (MMP 14.5°) 5 - 12MM
Grear Tooth Pitch Gauge - (MMP 20°) 5 - 12MM

Use:- To determine the gear diametral pitch for 14.5° pressure angle (tooth profile- involute type ) Gauge made of stainless Steel by EDM wire cutting 0 and fine blanking process. Gauge have 14 blades duly fine edge profiled, numbered pitch size on each blade. Useful gauge in gear manufacturing and inspection. Available in Diameter pitch at 20° Pressure angle Range:- 6 to 80 (22 pitches)

**RADIUS GAUGES** 



Finish:- Polished

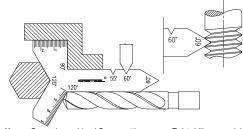
RANGE

Finish: Polished

Uses:- To check the radius of concave and convex of any radial part. Usefull in workshop General Purpose, Tool & Die Maker, Wood Working Industries, Quality Dept. etc

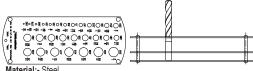
0.5 to 13m

#### **UNIVERSAL GAUGE**



Uses:- Gauge is combined Screw cutting gage + Twist drill gage + right angle to check cutting tool angle of with worth thread 55° and metric thread 60°Use as a right Angle, can check Drill point angle of 120° with Lip length upto 25 mm

#### **DRILL STAN**



Material: Stee

Range:- Drills from 1/16" To 1/2" (29 Drills) Finish:- Top plate chrome or nickel plated

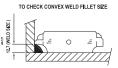
Feature / Use:-

To keep drills in their specified size hole This will help to identify quickly require dia drills Hands drills stand keep 29 drills

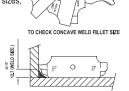
Top plate has permanent etched drill sizes in decimal / fractional All drill size holes are exact require drill dia.

#### **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, 7/16 1/2, 5/8, 3/4, 7/8 and 1" and their metric equivalent, to determine weld sizes either concave or convex.



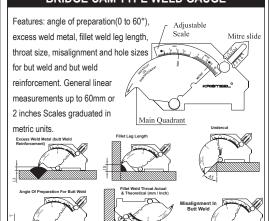
Place single arc edge flush to base material so blade tip touches vertical nember. If tip touches the weld as it touches the vertical member, the weld is the size indicated.

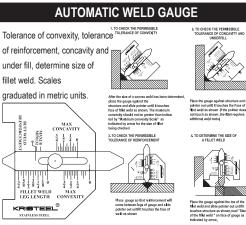


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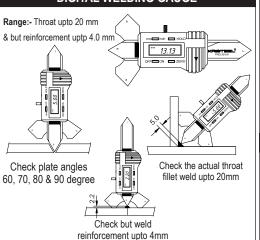
Place double arc edge flush to the base materialso tip touches vertical member. If the tip between the double arc touche the center of the weld, the weld is the profile desired and is the size indicated

#### **BRIDGE CAM TYPE WELD GAUGE**

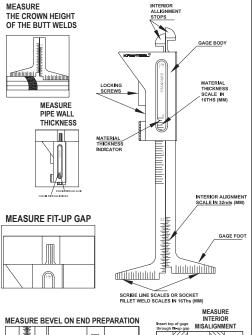


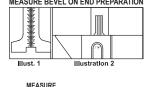


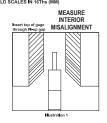
# **DIGITAL WELDING GAUGE**

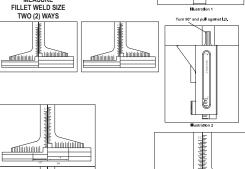


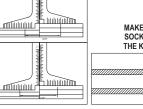
#### **HI-LO WELDING GAUGE**

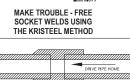




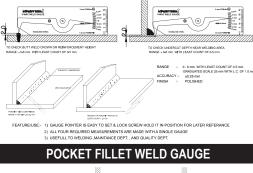


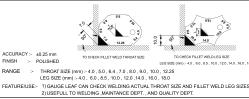




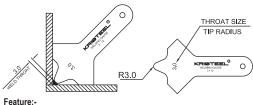


#### V-WAC WELDING GAUGE



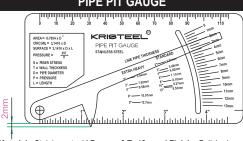


#### 12 LEAVES WELD CUM RADIUS GAUGE SET



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.

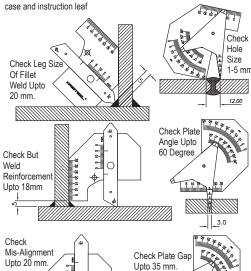
#### PIPE PIT GAUGE



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

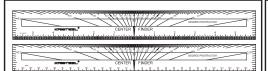
#### **MULTI PURPOSE WELD GAUGE (WG-A)**

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



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**CENTER FINDER CUM PROTRACTOR RULE** 

Material: - Stainless Steel

Range:- 0 to 300mm. / 0 to 12", 0 to 180 Degree

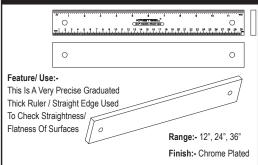
Least count: - 0.5 mm / 1/64", 1 Degree

Finish:- Polished Finish

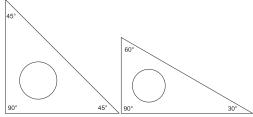
Features:- This is a very precise polished rule having metric and English graduations and also angle protractor markings upto 180°

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

#### STRAIGHT EDGES

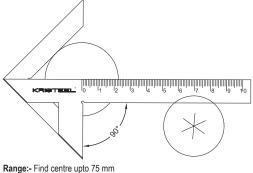


#### **SETS SQUARE**



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

#### **CENTRE SQUARE**

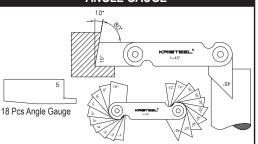


diameter disc scale up to 100 mm

Least count:- 1mm

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°

#### ANGLE GAUGE

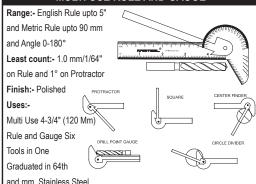


Uses:- To check the angle of any fabricated part and also Dove Tail angles of shafts gauge made of stainless steel with fine blanking. Usefull in workshop General Purpose, Tool & Die maker, Wood working industries, Quality Dept. etc.

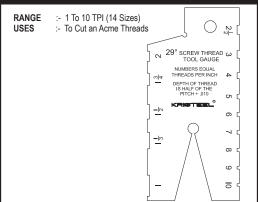
Available Models:- 1) 1° to 45°(20 Leaves Assembled Incremental of 1°, 2° & 5°)

2) 5° to 90° set (18 Individual Leaves Incremental of 5°)

#### **MULTI USE RULE AND GAUGE**



#### 29° SCREW THREAD TOOL GAUGE

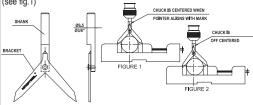


#### **CENTRE FINDER ASSEMBLY - ROUND BAR STYLE**

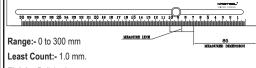
Material:- Carbon steel | Range:- upto 6" Dia Shaft

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 (see fig.1)



# **MARKING GAUGE**



Finish:- Polished

Uses:- This Gauge Is Useful For Marking And Measuring Jobs From One Side Which Is Base Line For Marking. This

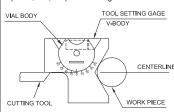
Gauge Is Useful In Tool Room, Fabrication Work, Wood Working Industry.

#### **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.

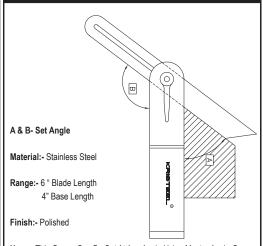


To Calibrate Vial: Important During calibration the gauge must always be positioned in the same direction that it will be used

Ø,

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

#### **SLIDING T BEVAL**



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



# KRISTEE

# KRISTEEL SHINWA INDUSTIRS LIMITED

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