



# Simran Tools International

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## ENGINEER'S PRECISION TOOLS

### (PART B) GAUGES

1. Screw Pitch Gauges
2. Radius Gauges
3. Feeler Gauges (Thickness Gauges)
4. Depth Gauges
5. Bore Gauges
6. Dial Bore Gauges
7. Centre Gauges
8. Screw Cutting Gauges
9. Universal Grinding Gauges
10. Twist Drill Grinding Gauges
11. Wire Gauges (Round & Rectangle)
12. Drill Gauges
13. Protactors (Degree Protactors)
14. Protactor Cum Depth Gauges
15. Surface Marking Block / Gauges

#### 1. SCREW PITCH GAUGES



- Very handy Tool for gauging threads.
- Made of high quality Tool Steel.
- Available for American National, Metric and English Threads.

ITEM NO.	RANGE	THREADS
SPG-1701	4 - 42	American
SPG-1702	4 - 84	American
SPG-1703	4 - 42 & 0.4 - 7.0	Combination
SPG-1704	0.25 - 2.5 mm	Metric 60°
SPG-1705	Metric and Inch	Metric 60° Whit worth 55°



## 2. RADIUS GAUGES

### A. RADIUS GAUGE - LOCKING TYPE



- Handy device for checking radii of tools and dies easier and faster.
- Gauge features leaves for measuring both concave and convex radii.
- Each leaf is clearly stamped with the radius size.
- SRG-1717 Features Blades locked with 2 Screw (Not illustrated).

ITEM NO.	RANGE	NO. OF LEAVES
SRG-1711	1/32 to 1/4 by 1/64"	30
SRG-1712	17/64 to 1/2 by 1/64"	32
SRG-1713	1 to 7 mm	34
SRG-1714	7.5 to 15 mm	32
SRG-1715	15.5 to 25 mm	30
SRG-1716	0.75 to 5 by 0.25 mm	18
SRG-1717	5.5 to 13 by 0.5 mm	16

### B. RADIUS GAUGE - RING TYPE



- Handy device for checking radii of tools and dies easier and faster.
- Gauge features leaves for measuring both concave and convex radii.
- Each leaf is clearly stamped with the radius size.

ITEM NO.	RANGE	NO. OF LEAVES
SRG-1721	1/32 to 17/64 by 1/64"	16
SRG-1722	9/32 to 33/64 by 1/64"	16
SRG-1723	0.75 to 5 by 0.25 mm	18
SRG-1724	5.5 to 13 by 0.5 mm	16

## 3. FEELER GAUGES ( THICKNESS GAUGE )



- Made from Excellent Quality tempered steel.
- Available in approximately 3-1/2" and 4" long.

ITEM NO.	NO. OF LEAVES	RANGE (INCHES)	RANGE (MM)
SFG-1731	9	.0015" to .015"	0.5 to 1.00
SFG-1732	13	---	0.5 to 0.60
SFG-1733	26	.0015" to .025"	0.5 to 1.00

**While Placing Order Please Mention Length of Leaf**



## 4. DEPTH GAUGES



- 6" Steel Rule with Hardened and Ground Steel Base.
- Spring tension Nut for easy depth measurement.
- Graduated in Inches and M.M.

ITEM NO. - SDG-1740

## 5. BORE GAUGES



- For measuring of cylindrical bores, made from stainless steel.
- Mat finish, graduations engraved for permanent use, range 1 to 15 mm.

ITEM NO. - SBG-1745

## 6. DIAL BORE GAUGES



- Packed in wooden case.
- Available without dial and with dial.

ITEM NO.	SIZE IN MM
SDB-1751	18 - 35
SDB-1752	35 - 60
SDB-1753	60 - 160

While Placing Order Please Mention Without Dial or With Dial

## 7. CENTRE GAUGES



- Very handy gauge for grinding and setting thread cutting tools.
- Made from stainless steel, permanently deep etched graduations.

ITEM NO.	DESCRIPTION
SCG-1759	55° WHIT WORTH OR ENGLISH STANDARD
SCG-1760	60° US STANDARD OR AMERICAN NATIONAL



## 8. SCREW CUTTING GAUGES



- Made from stainless-steel in satin chrome finish.
- Deep etched graduations.
- Accurate thread profiles 47-1/2° British Association and 14-1/2° Acme, 55° Whit Worth and BSF, 60° American and Metric.

ITEM NO. - SSG-1765

## 9. UNIVERSAL GRINDING GAUGES



- Made of Polished Stainless Steel.
- Clearly etched graduations.
- Combines Twist Drill Grinding Gauges, Thread Gauge.
- Measures Square and hexagonal angles of 120°, 118°, 90°, 60°, 55°.

ITEM NO.	OVERALL LENGTH	
	INCH	MM
SUG-1768	3-3/4	95

## 10. TWIST DRILL GRINDING GAUGES



- For twist drills with acute angle of 118° upto 2" (50 mm) diameter.
- Made from Stainless Steel.

ITEM NO.	OVERALL LENGTH	
	INCH	MM
STG-1771	4-1/2	114

## 11. WIRE GAUGES ( ROUND & RECTANGLE )



- Made from hardened steel.
- Permanently deep etched graduations.
- Graduations in British and Metric systems.

ITEM NO.	DESCRIPTION
SWG-1775	Rectangular
SWG-1776	Round



## 12. DRILL GAUGES



- Made of Heavy Gauge Carbon Steel.
- Hole Sizes and decimal equivalents permanently etched.

ITEM NO.	FOR DRILL SIZES
SDG-1781	A - Z
SDG-1782	1 - 60
SDG-1783	1/16 – 1/2 by 64ths
SDG-1784	1 MM – 13 MM

## 13. PROTRACTORS ( DEGREE PROTRACTORS )



- Made of Stainless Steel.
- Measure Angles from 0° to 180°.

ITEM NO. - SDP-1790
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## 14. PROTRACTOR CUM DEPTH GAUGES



- Graduated from 0 - 180°.
- Spring Tension nut to secure rule to desired depth and angle.
- Narrow 6" (150mm) rule graduated 64th on one side and 0.5 mm at reverse.

ITEM NO.	DESCRIPTION
SPA-1795	Round
SPA-1796	Rectangular



## 15. SURFACE MARKING BLOCKS / GAUGES

### A. SURFACE MARKING BLOCKS / GAUGES (ROUND BASE)



- Sturdy construction surface gauge.
- Consists of Adjusting knob and hardened scriber.
- Round base made of close grain Cast Iron.
- Very useful for every workshop.

ITEM NO.	HEIGHT		BASE DIAMETER	
	INCH	MM	INCH	MM
SMG-1801	12	300	3-1/8	80
SMG-1802	20	500	3-1/8	80
SMG-1803	40	1000	6	150

### B. SURFACE MARKING BLOCKS / GAUGES (STEEL BASE)



- Basic tool for machinist and toolmakers for accurately scribing lines, transferring measurements and probing during inspection work.
- Polished and hardened Steel base with double-ended scriber.
- Bottom V. Grooved for Cylindrical work.
- Front Recessed for depressing Spindle below base level.
- Has fine Adjustment for precise angular movement.
- Base has 2 retractable Pins to set against edge of a Surface plate.
- 1/4" (6.35 mm) hole drilled on adjustment knob for positioning a dial indicator.

ITEM NO.	BASE DIMENSION LENGTH X WIDTH X HEIGHT		LENGHT OF SPINDLE		DIAMETER OF SPINDLE	
	INCH	MM	INCH	MM	INCH	MM
SMG-1807	2-3/16 x 1-5/8x 3/4	55 x 40 x 20	4 & 7	100 & 175	1/4	6.3
SMG-1808	3-1/4 x 2-1/2 x 1	82 x 63 x 25	9 & 12	225 & 300	3/8	9.5
SMG-1809	4 x 3-1/2 x 1-1/8	100 x 90 x 30	12 & 18	300 & 450	3/8	9.5
SMG-1810	3-1/4 x 2-1/2 x 1	82 x 63 x 25	9	225	3/8	9.5
SMG-1811	3-1/4 x 2-1/2 x 1	82 x 63 x 25	12	300	3/8	9.5