



# COMPARATIVE MEASURING GAUGES

BORN IN ITALY, RAISED BY THE WORLD

# FEELER GAUGE SHIM ROLL

## BLUE TIN



Unit:mm

Code	Size
1803-3110	0.01*50*5000
1803-3111	0.02*50*5000
1803-3112	0.03*50*5000
1803-3113	0.04*50*5000
1803-3114	0.05*50*5000
1803-3115	0.06*50*5000
1803-3116	0.07*50*5000
1803-3117	0.08*50*5000
1803-3118	0.09*50*5000
1803-3119	0.10*50*5000



# FEELER GAUGE SHIM ROLL

DIN 2275



Made in Europe



- Made in Europe and strictly in accordance with DIN2275
- Surface roughness: Ra 0.4µm
- Hardness: 360-600HV and prolongs the service life significantly
- Material: premium stainless steel/alloy steel
- Thickness: 0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 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, 0.80, 0.90, 1.00mm
- Shaped size: 12.7mmx5m, desired length can be cut. Other sizes can be ordered separately



Unit:mm

Code	Thickness	Remark	Code	Thickness	Remark
1803-2110	0.01	Stainless Steel	1803-4122	0.25	65Mn
1803-4111	0.02	65Mn	1803-4123	0.30	65Mn
1803-4112	0.03	65Mn	1803-4124	0.35	65Mn
1803-4113	0.04	65Mn	1803-4125	0.40	65Mn
1803-4114	0.05	65Mn	1803-4126	0.45	65Mn
1803-4115	0.06	65Mn	1803-4127	0.50	65Mn
1803-4116	0.07	65Mn	1803-4128	0.60	65Mn
1803-4117	0.08	65Mn	1803-4129	0.70	65Mn
1803-4118	0.09	65Mn	1803-4130	0.80	65Mn
1803-4119	0.10	65Mn	1803-4131	0.90	65Mn
1803-4120	0.15	65Mn	1803-4132	1.00	65Mn
1803-4121	0.20	65Mn			

Unit:mm

Code	Thickness	Remark
1803-0105	0.01,0.02,0.03,0.04,0.05,0.06,0.07,0.08,0.09,0.10,0.15,0.20,0.25	Set





## FEELER GAUGE

- Suitable for electronic equipment, mold manufacturing, automotive, automation equipment, precision machinery, metal parts, machinery parts and so on
- Strictly made in accordance with DIN2275
- High tolerance accuracy for precise measurements
- Hardened spring steel, conical shaped blades,
- Nickel plated case with lock nut
- The numbers of size are etched into feeler gauge for easy identification
- Polished surface, durable and smooth

**DIN  
2275**







Unit:mm

Code	Length	Range	Amount(Pcs)	Including
1825-0175	75	0.04-1.00	25	0.04,0.05,0.06,0.07,0.08,0.09,0.10,0.15,0.20,0.25,0.30,0.35,0.40,0.45,0.50,0.55,0.60,0.65,0.70,0.75,0.80,0.85,0.90,0.95,1.00
1813-0100	100	0.05-1.00	13	0.05,0.10,0.15,0.20,0.25,0.30,0.40,0.50,0.60,0.70,0.80,0.90,1.00
1813-1100	100	0.03-0.5	13	0.03,0.04,0.05,0.06,0.07,0.08,0.09,0.10,0.15,0.20,0.30,0.40,0.50
1817-0100	100	0.02-1.00	17	0.02,0.03,0.04,0.05,0.06,0.07,0.08,0.09,0.10,0.15,0.20,0.25,0.30,0.40,0.50,0.75,1.00
1820-0100	100	0.05-1.00	20	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
1828-0100	100	0.05-1.00	28	0.05,0.06,0.07,0.08,0.09,0.10,0.11,0.12,0.13,0.14,0.15,0.20,0.25,0.30,0.35,0.40,0.45,0.50,0.55,0.60,0.65,0.70,0.75,0.80,0.85,0.90,0.95,1.00
1832-0100	100	0.03-1.00	32	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
1813-0150	150	0.05-1.00	13	0.05,0.10,0.15,0.20,0.25,0.30,0.40,0.50,0.60,0.70,0.80,0.90,1.00
1820-0150	150	0.05-1.00	20	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
1813-0200	200	0.05-1.00	13	0.05,0.10,0.15,0.20,0.25,0.30,0.40,0.50,0.60,0.70,0.80,0.90,1.00
1820-0200	200	0.05-1.00	20	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
1813-0300	300	0.05-1.00	13	0.05,0.10,0.15,0.20,0.25,0.30,0.40,0.50,0.60,0.70,0.80,0.90,1.00
1820-0300	300	0.05-1.00	20	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
1732-0035	90/3.5"	0.0015"-0.035"	32	0.04/0.0015",0.05/0.002",0.06/0.0025",0.08/0.003",0.10/0.004",0.13/0.005",0.15/0.006",0.18/0.007",0.20/0.008",0.23/0.009",0.25/0.01",0.28/0.011",0.30/0.012",0.33/0.013",0.35/0.014",0.38/0.015",0.40/0.016",0.43/0.017",0.45/0.018",0.48/0.019",0.50/0.02",0.53/0.021",0.55/0.022",0.58/0.023",0.60/0.024",0.63/0.025",0.65/0.026",0.70/0.028",0.75/0.03",0.80/0.032",0.88/0.035" Plus (1pc of Copper) 0.25/0.01"



## BRASS FEELER GAUGE





-  • Made from brass, suitable for non-magnetic application, e.g. checking the electrode distance in spark plugs, or for setting sensors at ABS
-  • Conical shaped blades
-  • With lock nut
-  • Sizes in mm on each blade



Unit:mm

Code	Length	Range	Amount(Pcs)	Including
1620-0101	100	0.05-1.00	13	0.05,0.10,0.15,0.20,0.25,0.30,0.40,0.50,0.60,0.70,0.80,0.90,1.00
1620-0100	100	0.05-1.00	20	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

## METRIC/INCH SCREW PITCH GAUGE SET

-  • Used to check the pitch of screw thread
-  • Narrow designed blades can be used for internal and external screw threads
-  • Locking device at each end to secure all blades for storage or positioning
-  • Correct pitch is determined by matching blade teeth with threads
- Precisely ground and finished
- Blades marked with thread size
- Made of premium stainless steel



Unit:mm

Code	Thread type	Amount(Pcs)	Range	Including
1501-1024	Metric 60°	24	0.25-7.00	0.25,0.30,0.35,0.40,0.50,0.70,0.75,0.80,0.90,1.00,1.25,1.50,1.75,2.00,2.50,3.00,3.50,4.00,4.50,5.00,5.50,6.00,6.50,7.00
1501-1020	Metric 60°	20	0.4-6.00	0.40,0.50,0.60,0.70,0.75,0.80,0.9,1.00,1.25,1.50,1.75,2.00,2.50,3.00,3.50,4.00,4.50,5.00,5.50,6.00
1502-2030	Whitworth 55°	30	4-42TPI	4,4-1/2,5,5-1/2,6,7,8,9,10,11,12,13,14,15,16,18,19,20,22,24,26,27,28,30,32,34,36,38,40,42TPI
1503-3030	Unified 60°	30	4-42TPI	4,4-1/2,5,5-1/2,6,7,8,9,10,11,11-1/2,12,13,14,15,16,18,20,22,24,26,27,28,30,32,34,36,38,40,42TPI
1500-0052	Metric 60°	24	0.25-6.00	0.25,0.3,0.35,0.4,0.45,0.5,0.6,0.7,0.75,0.8,0.9,1,1.25,1.5,1.75,2,2.5,3,3.5,4,4.5,5,5.5,6
1500-0052	Whitworth 55°	28	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
1500-1052	Metric 60°	22	0.4-7.00	0.4,0.5,0.6,0.7,0.75,0.8,0.9,1,1.25,1.5,1.75,2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7
1500-1052	Unified 60°	30	4-42TPI	4,4-1/2,5,5-1/2,6,7,8,9,10,11,11-1/2,12,13,14,15,16,18,20,22,24,26,27,28,30,32,34,36,38,40,42TPI



## ANGLE GAUGE

- Fine machined edges
- Made of hardened stainless steel
- The blade ends are beveled at various angles

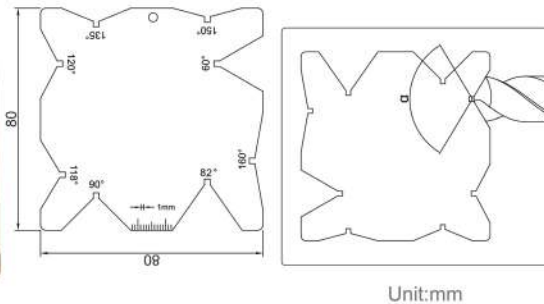


Code	Range	Amount(Pcs)	Including	Accuracy
1420-1025	1°-45°	20	1°/2°/3°/4°/5°/6°/7°/8°/9°/10°/12°/14°/16°/18°/20°/25°/30°/35°/40°/45°	±30'

## UNIVERSAL CUTTER POINT

## ANGLE GAUGE

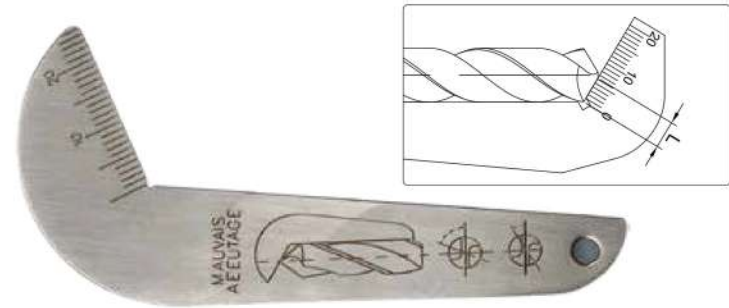
- Easy to measure the angles of top point of drills and countersinks
- Made of premium polished stainless steel
- Thickness: 1.0mm, size: 80x80mm



Code	Thickness	Size	Graduation	Accuracy
8511-0005	1.0	80x80	60°/82°/90°/118°/120°/135°/150°/160°	±0.5°

## DRILL GRINDING GAUGE

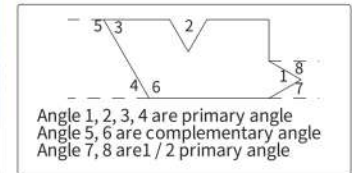
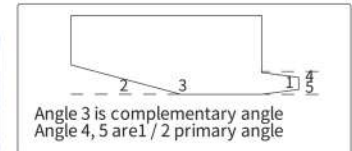
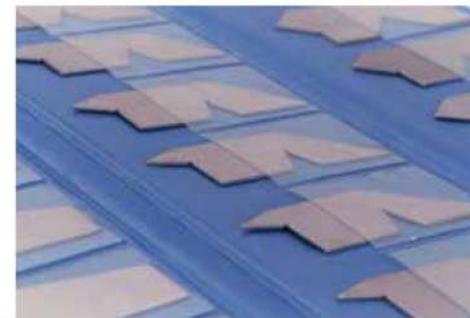
- Made of premium polished stainless steel
- Used for twist drills with cone angle 118°
- Used to check if the center of tip is concentric with the drill body
- Hardened, precision ground and lapped



Code	Range	Accuracy	
		Angle	Length
8511-0010	tip angle 118°, up to Φ50mm	±0.5°	±0.5

## 18PCS ANGLE GAGE SET

- Angles 5° - 90°
- Stainless steel material
- Each gage checks primary, 1/2 primary and complimentary angles
- Quick and accurate inspection of angle and I.D or O.D chamfers in or out of the machine



Code	Amount(Pcs)	Primary angle	1/2 Primary angle	Complementary angle
1320-0005	18	5-90°, step:5°	2.5-45°	175-90°, step:5°



## RADIUS GAUGE

- For testing of raised and recessed curves
- Fine cutted forms
- Both concave and convex shaped blades become a pair
- Radius size is marked on each gauge
- With a locking clamp

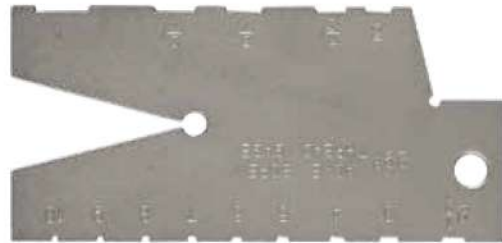


Unit:mm

Code	Range	Step	Leaves	
			Convex(Pcs)	Concave(Pcs)
1351-0005	1.0-7.0	1.0-3.0:0.25;3.0-7.0:0.5	17	17
1351-0010	7.5-15	7.5-15:0.5	16	16
1351-0015	15.5-25	15.5-20:0.5;20-25:1	15	15
1352-1005	1/32"-1/4"	1/64"	15	15
1352-1010	17/64"-1/2"	1/64"	16	16
1352-1015	17/32"-1"	1/32"	16	16

## ACME SCREW THREAD GAUGE

- Used as the standard blocks when grinding acme threads
- Acme thread inclination: 14-1/2 degree (29 degree inclined angle)
- Angles and edges are hardened and precision ground
- Threads: 1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9&10TPI



Code	Range	Thread type	Pitch
1041-0005	1-10TPI	ACME29°	1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9&10TPI

## ANGLE THREAD CUTTING GAUGE

- For checking and set screw cutting tools, and check the angle and pitch of screw thread Angle
- Angles 55° whitworth or 60° metric
- Accuracy: ±30min
- Made of stainless steel

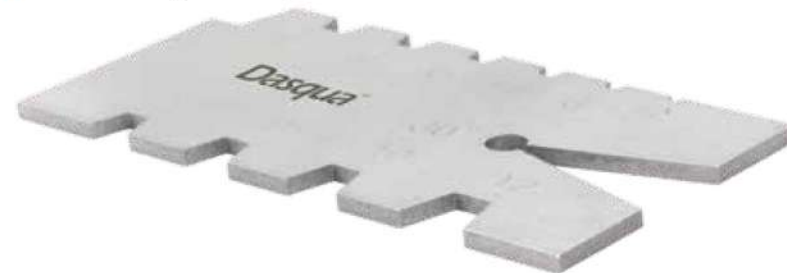


Unit:mm

Code	Thread type	Angle	Graduation
1041-2205	Metric 60°	60°	0.5,1
1041-2210	Unified 60°	60°	14ths and 20ths on front side,24ths and 32ths on back side
1041-2215	Whitworth 55°	55°	14ths and 20ths on front side,24ths and 32ths on back side

## THREAD CUTTING GAUGE

- Used to detect the angle and width of the thread cutting tool and set the position of the thread cutting tool
- For grinding & setting tools when cutting Acme threads
- Fine machined edges
- Made of hardened stainless steel, wear resistance, long service life
- Used for woodworking, metalworking, machine, equipment and many other industries
- Laser etched graduations, satin chrome finish



Code	Range	Thread type	Pitch
1041-0007	2-12	Tr30°	2,3,4,5,6,7,8,9,10,12



## ACME THREAD CUTTING GAUGE

- For grinding & setting tools when cutting Acme threads
- SAE 60° / Ww-BSF 55° / 14.5° ACME / 47.5° BA
- Stainless steel with satin chrome finish
- Laser etched graduations



Code	Thickness	Thread type
1041-0006	1	60° American & Metric / 55° Whit & B.S.F. / 47-1/2° BA / 14-1/2° Acme

## WIRE & SHEET METAL GAUGE

### AMERICAN STANDARD

- Gage numbers are in American standard numbers 0-36
- Heavy duty gage, hardened stainless steel
- Satin finish for easy reading
- Decimal equivalents on the reverse side
- Diameter-3-1/4" (φ83mm)
- Used to gauge wire, sheet, plate and non-ferrous metals such as copper, aluminum and brass



• 1041-0020

• 1041-0025

Code	Graduation	Diameter
1041-0020	0-36(0.3125"-0.007")	3-1/4"(φ83mm)
1041-0025	0-36(0.325"-0.005")	3-1/4"(φ83mm)

## TAPER GAUGE

- Made of polished stainless steel
- Used to measure inside diameter of tubing, hole size, slot width
- Satin chrome finish for easy and accurate readings
- Graduated to measure inside diameters or widths from metric size 1mm-60mm by 0.1mm and inch size 1/16"-2-3/8" in 1/64" another side



Unit:mm

Code	Range	Graduation
8522-0005	1/16"-5/8"	1/64"
8521-0005	1-15; 1/16"-5/8"	0.1 & 1/64"
8522-0010	5/8"-1-3/16"	1/64"
8521-0010	15-30; 5/8"-1-3/16"	0.1 & 1/64"
8522-0015	1-3/16"-1-3/4"	1/64"
8521-0015	30-45; 1-3/16"-1-3/4"	0.1 & 1/64"
8522-0020	1-3/4"-2-3/8"	1/64"
8521-0020	45-60; 1-3/4"-2-3/8"	0.1 & 1/64"

## TAPER BORE GAUGE



**Made in Europe**



• 1051-2010  
Length about 11.8cm with 0.1-3mm measuring range of bore diameter

- Used to measure grooves and gaps or places where hard to reach
- Made of excellent stainless steel
- With a cap to protect the tip





## CIRCUMFERENCE GAUGE

- Application areas include the pipelines, boiler and tank construction, tire industry, forestry, etc
- For measuring diameters and circumferences of all circular objects quickly and easily
- With laser etched scales
- Graduation in mm or inch available
- Made of stainless steel material

**Made in Europe**



• 1051-0008  
Length about 19cm with 3-15mm measuring range of bore diameter

Mainly used to measure some deeper slots, holes and tube diameters.



• 1051-3005  
Length about 16cm with 0.4-6mm measuring range of bore diameter

Mainly used to measure some special grooves like T-groove and V-groove, performing more stable than a normal taper gauge.

### CIRCULAR TAPER GAUGE

Unit:mm

Code	Range	Graduation
1051-2005	0.1-3	0.1
1051-2010	0.1-5	0.1

### TAPER GAUGE

Unit:mm

Code	Range	Graduation	Accuracy
1051-0005	1-6.5	0.1	±0.05
1051-0008	3-15	0.1	±0.05
1051-0015	3-16	0.1	±0.05
1051-0020	15-30	0.1	±0.05
1051-0025	30-45	0.1	±0.05

### CLEARANCE GAUGE

Unit:mm

Code	Range	Graduation
1051-3005	0.4-6	0.05
1051-3010	0.5-10	0.05
1051-3015	1-15	0.1

Unit:mm

Code	Circumference Range	Graduation	Diameter Range
1704-0005-A	60-950	0.1	φ20-φ300
1704-0010-A	940-2200	0.1	φ300-φ700
1704-0015-A	2190-3460	0.1	φ700-φ1100
1704-0020-A	3450-4720	0.1	φ1100-φ1500
1704-0025-A	4710-5980	0.1	φ1500-φ1900
1704-0030-A	5960-7230	0.1	φ1900-φ2300
1704-0035-A	7220-8500	0.1	φ2300-φ2700
1704-0040-A	8480-9760	0.1	φ2700-φ3100
1704-0045-A	9730-11010	0.1	φ3100-φ3500

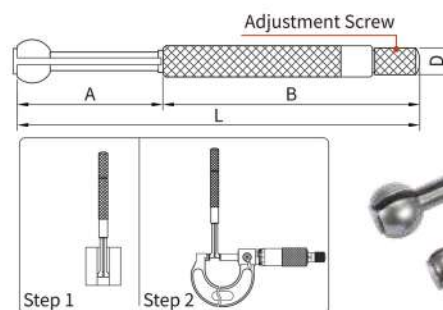
## TELESCOPING GAUGE SET

- The spring-loaded plunger expands within the bore, or groove, slots and holes, allowing determination of the internal diameter or groove width
- Each gage has a knurled clamp
- Satin chrome finish
- Contact plunger automatically self-centering at all times and in all positions
- Constant spring force on the measuring surface



## SMALL HOLE GAUGE SET

- Measuring range: 3-5 mm, 5-7,5 mm, 7,5-10 mm, 10-13 mm
- Used with an outside micrometer for measuring inside diameter of bores
- Gaging surface is fully hardened to ensure long tool life
- Extra long for gaging deep and shallow holes, slots, and similar workpieces
- Satin chrome finish



Code	Range	length	Unit:mm
5911-0001	8-12.7,12.7-19,19-32,32-54,54-90,90-150 5/16"-1/2",1/2"-3/4",3/4"-1-1/4",1-1/4"-2-1/8",2-1/8"-3-1/2",3-1/2"-6"	Up to 300/ 12"	
5911-0002	8-12.7,12.7-19,19-32,32-54,54-90,90-150 5/16"-1/2",1/2"-3/4",3/4"-1-1/4",1-1/4"-2-1/8",2-1/8"-3-1/2",3-1/2"-6"	Up to 150/ 6"	

Code	Range	L	A	B	D	Unit:mm
5921-0005	3-5/1/8"-1/5"	76	22	53	φ5	
	5-7.5/1/5"-3/10"	78	24	53	φ5	
	7.5-10/3/10"-2/5"	88	28	59	φ6	
	10-13/2/5"-1/2"	92	32	59	φ6	

# SPRING CALIPERS AND DIVIDERS SERIES

- Outside Spring Caliper/Inside Spring Caliper/Spring Divider
- Spring Divider — Fully hardened and tempered joints, spring, washers and divider points
- Outside Spring Caliper — Contact ends fully rounded to give accurate dimensions
- Inside Spring Caliper — Ends fully rounded to give accurate contact with a workpiece
- Measuring and transferring precise dimensions and for various measurements
- Precise fine adjustment due to solid nut
- Made of top-grade high carbon steel
- Quick, positive adjustment
- Centrally located adjustment screw to ensure smooth action



Unit:mm

Code	Size	Type
1051-0301	150/6"	outside
1051-0302	200/8"	outside
1051-0303	250/10"	outside
1051-0304	300/12"	outside
1051-0311	150/6"	inside
1051-0312	200/8"	inside
1051-0313	250/10"	inside
1051-0314	300/12"	inside
1051-0321	100/4"	divider
1051-0322	150/6"	divider
1051-0323	200/8"	divider
1051-0324	250/10"	divider
1051-0325	300/12"	divider