Planer & Shaper Gage

Maximum range 6-1/4" with extension rod.

- · Now set shaper and planer tools fast and easy
- · No need for trial cuts
- · Set the gage with caliper, micrometer, or surface gage and simply bring the cutting tool in contact with the gage for a reliable starting point
- · Use with a dial indicator and level large plates for planing



T Acme Screw Thread Gage

Used in grinding and setting tools when cutting acme threads.

Model No.	Range	Angle
STG-29	1-10TPI	29°
STG-30	2-12mm	30°



STG-29

Thickness Gages

Feeler gage sets are available with straight or tapered blade thickness and in a variety of lengths to meet all requirements



			25. 35	
Model No.	Length	Piece	Range(in/mm)	
FG-9 FG-9/2	3"/75mm 3"/75mm	9	0.002/.05020/.50 0.002/.05025/.63	
FG-12	4"/100mm	12	0.008/.20026/.63	
FG-15 FG-7	3-1/2"/90mm 3-1/2"/90mm	15 7	0.002/.05025/.63 0.25/.04025/1.02	
FG-26	3-1/2"/90mm	26	0.0015/.04025/.63	
FG-32 FG-16	3-1/2"/90mm 3-1/2"/90mm	32 16	0.0015/.04035/.88 0.010/.25035/.88	

Radius Gage



Checking and layout of radius for tools, dies, patterns, etc

Incn					
Model No.	Range	No. of Leaves			
RIG-1/4	1/32-1/4" × 64ths	30			
RIG-1/2	17/64-1/2" × 64ths	32			
RIG-1	17/32-1" × 64ths	32			

Metric

Model No	. Range mm	No. of Leaves
RG-145	1-3mm × 0.25mm step 3.5-6.5mm × 0.5mm step 7-14.5mm × 0.5mm step 15-20mm × 0.5mm step 21-25mm × 1.0mm step	32 32 32

Screw Pitch Gage



*Can be used to check pitches

SPG60-20 20 0.4-6mm 0.75, 0.80, 1.00, 1.25, 1.50 (60°) 1.75, 2.00, 2.50, 3.00, 3.50				
(60°) 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50, 5.00, 5.50, 6.00 4.50, 5.00, 5.50, 6.00 4.4.5, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 19, 20, 22, (55°) 24, 26, 28, 32, 40, 48 SPG55-30 30 4-42TPI, Inch 55° SPG60-30 30 4-42TPI, Metric 60° SPG55-51 51 4-84TPI, Inch 60°	Model No.	Leaves pcs	Range	Pitches
SPG55-22 (55°) 22 4-48TPI 12, 14, 16, 18, 19, 20, 22, 24, 26, 28, 32, 40, 48 SPG55-30 30 4-42TPI, Inch 55° SPG60-30 30 4-42TPI, Metric 60° SPG55-51 51 4-84TPI, Inch 60°		20	0.4-6mm	0.75, 0.80, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50,
SPG60-30 30 4-42TPI, Metric 60° SPG55-51 51 4-84TPI, Inch 60°		22	4-48TPI	12, 14, 16, 18, 19, 20, 22,
SPG55-51 51 4-84TPI, Inch 60°	SPG55-30	30	4-42TPI, I	Inch 55°
0.0000.	SPG60-30	30	4-42TPI, N	letric 60°
SPG60-28 28 0.25-2.5mm, 60°	SPG55-51	51	4-84TPI, I	Inch 60°
	SPG60-28	28	0.25-2.5n	nm, 60°

18 Pc. Angle Gage

Features:

- · Stainless steel, satin finished
- · 18 individual gages for easy use
- · Eight gaging surfaces per gage
- · Precision finished edges for accurate checking
- · Each gage checks primary. 1/2 primary and complimentary angles
- Quick and accurate inspection of angles and I.D. or O.D. chamfers in or out of the machine
- · Fast set-ups and fixturing of workpieces
- · Eliminates time consuming measuring set-

-ups	# # # Mode	######################################
	1/2* Angle	Comp Angle
	25° 27° .30'	130° 125°

P* Angle	1/2* Angle	Comp Angle	P* Angle	1/2* Angle	Comp Angle
5°	20° .30'	175°	50°	25°	130°
10°	5°	170°	55°	27° ,30'	125°
15°	70°,30'	165°	60°	30°	120°
20°	10°	160°	65°	32° ,30'	115°
25°	12° ,30'	155°	70°	35°	110°
30°	15°	150°	75°	37°, 30'	105°
35°	17°,30'	145°	80°	40°	100°
40°	20°	140°	85°	42° ,30'	95°
45°	22° ,30'	135°	90°	45°	90°

Radius Gauge Sets

- · Each gauge marked deeply with proper size
- · Each gauge has both internal & external radius
- · Must for machinists, tool & die makers, inspectors,etc
- RG 303-4201 · Complete with fitted case



Each Set Includes Range/Radii
25 pc. 1/64 to 17/64 by 64ths & 9/32 to 1/2 by 32nds w/holder
8pc. 9/16-1 by 16ths w/holder
26 pc set w/holder010030" by .005", .040100" by .010", .120220" by .020", .240300" by .020", .350500" by .050"
10 pc.set w/holder. consisting of .550,.600,.700,.750,.800,.850, .900,.950.and 1" vinyl case
26 pc.set/w/holer.5- $\dot{1}$ 3.0mm.5mm increments 8 pc.set w/o holder 1-1/16 to-1-1/12 \times 16ths

Rockwell Hardness Tester

Determining the Rockwell hardness of hard alloys, quenched and unquenched steels.

Specifications

- Measuring range:
- 20-88HRA, 20-100HRB, 20-70HRC
- · Test force:588.4, 980.7, 1471N (60, 100, 150kgf)
- · Max.height of test piece: 170mm
- · Depth of throat: 135mm
- Dimensions (L \times W \times H): $466\times238\times630mm$
- Weight:approx. 65kg

Main accessories

Large flat anvil: 1pc Small flat anvil: 1pc V-notch anvil: 1pc

Diamond cone penetrator: 1pc 1/16 in. steel ball penetrator: 1pc

Rockwell standardized block: 5 pcs Model No.:HR-150A



Low Load Vickers Hardness Tester

This tester can be used to complete Vickers hardness test in the enterprises of machinery, metallurgy, national defence, scientific research and instruments, and it can also be used as a standard Vickers hardness tester in the metering department. The tester is equipped with a programmable calculator so as to speed up the calculation of hardness values.

Specifications

Measuring range: 5-3000HV Test force: 1.961, 2.942, 4.903, 9.807, 19.61, 24.52, 29.42, 49.03N (0.2, 0.3, 0.5, 1, 2, 2.5, 3, 5kgf)

Max.height of test piece:130mm Depth of throat: 100mm Magnifications of the optical micrometer: 500 x ,125 x Min.scale value of the optical micrometer: $0.25\,\mu$ m,1 μ m Power supply: 220V AC/110V AC,50/60Hz Dimensions (L × W × H):455 × 295 × 675mm

Weight: approx. 50kg

Main accessories Coordinate test stand: 1pc Thin shaft anvil: 1pc

Flat nose pliers: 1pc Large V-anvil: 1pc Attachment for thin plate: 1pc Small V-anvil: 1pc Diamond pyramid penetrator: 1pc

Vickers standardized block: 1pc Micro-Vickers standardized block: 1pc

Integrated Portable Hardness Tester TH132

- · Integrated Impact Device C for thin components: no cables!
- · Wide measuring range in HLC and direct display of con verted hardness values in HB, HRB, HRC, HV, HS
- For materials steel & cast steel and cold work tool steels · Simple handling and low test expenditure Measuring range
- · Optional printer TA220S available

Material	HLC	НВ	HRC	HV	HS	
Steel & cast steel CWT. Steel	350-960 350-900	80-683	20.0-69.5 20.7-68.2	80-996 100-941	31.9-102	

Technical specification		
Standard Impact device Hardness scales Measuring range/materials Accuracy Memory Output Min. Surface Roughness of Workpiece Max. Workpiece Hardness Min. radius of Workpiece (convex/concave) Min. Workpiece weight Min. Workpiece thickness coupled	C integrated HLD,HB,HRC,HRB,HV,HS See table above ±12HLC 99 average readings RS 232 to printer 0.4 µm(Ra) 960HLC Rmin=11mm(with support rings) 0.5-1.5kg on stable support 0.02-0.5kg with compact coupling 1mm	Standard delivery • Main Unit integrated with Impact Device C • Test block with HLD value • Charger • Cleaning brush • TIME certificate • Instruction manual • Warranty card • Carrying case 1

Impact Device data

0-40°C 155 x 24 x 55mm 175 g

Rechargeable NiMH battery

Optional accessories

Support ringsPrinter TA220S with cable



Digital Ultrasonic Thickness Gauge TT100 · Two Standard 5 MHz transducers included

- Easy to operate ultrasonic thickness gauge
- Sound velocity range up to 9999m/s
- · Suitable for all metallic and non-matallic materials Clear 4-Digital LCD display with backlight
- 5 pre-set sound velocities for repeating applications · mm/inch selectable
- Display resolution 0.1mm

http://www.cdtools.com

Memory for 10 readings **Technical specification**

Min. thickness of hardened layers

Indentation depth

Continuous Working time Power

Operating temperature Overall dimensions

Measuring range(steel) 1.2mm-225.0mm with 5MHz transducer Standard delivery Measuring range for steel pipes
Transducer frequency Min. 3.0mm thickness xΦ 20 diameter Standard 5 MHz, Φ10 mm Standard 5 MHz transducers Integrated steel calibration plate 4.0mm
Batteries AA 1.5V Display resolution Calibration 0.1mm 4.0mm steel base plate integrated ±(1%H+0.1)mm mm/inch Measurement accuracy Couplant Measuring Units Certificate Sound velocity range Display 1000-9999m/s 4-Digital LCD with backlight Warranty card Storage of 10 thickness readings -10°C to +60°C Carrving case Surface temparature Low battery voltage indicator 2 Pcs. AA batteries 1.5V Battery indicator Optional accessories Probe 5РФ10
Probe 5РФ10/90
Probe SZ2.5Р
Probe 7РФ6 Power supply Operation time 250 hours 126mm x 68mm x 23mm Dimensions Approx. 250g including batteries

Optional Transducers

			_			
	Probe	Frequency	Range (steel)	Diameter Φ	For steel pipe size	Characteristic
	5РФ10	5MHz	1.2-225mm	10mm	Ф20x3mm	Standard
	5PΦ10/90°	5MHz	1.2-225mm	10mm	Ф30x3mm	Standard
	SZ2.5P	2.5MHz	3-300mm	14mm		Thick material/Rough surface
	7РФ6	7MHz	0.75-60mm	6mm	Ф15x2mm	Thin material
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Table of South velocity of various materials								
Material	Aluminum	Iron	Copper	Brass	Zinc	Silver	Gold	Tin
Sound velocity (m/s)	6320	5900	4700	4430	4170	3600	3240	3320







http://www.cdtools.com