

OUR PRODUCTS

Products Exhibition



Main
products
display



External Thread Height Gages



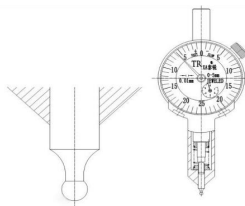
ETH011M

Model	Contact Point	Application	Indicator Res.
ETH011M	50° Cone with R0.1 Contact Point	8-Round & 10-Round External Thread , and 5½" & Larger Internal Thread	0-5mm×0.01mm
ETH012M	50° Cone with R0.05 Contact Point	LP External Thread ,and 5½" & Larger Internal Thread	

Model	Contact Point	Application	Indicator Res.
ETH011Y	50° Cone with R0.10 Contact Point	8-Round & 10-Round External Thread , and 5½" & Larger Internal Thread	0-0.25"×0.0005"
ETH012Y	50° Cone with R0.05 Contact Point	LP External Thread ,and 5½" & Larger Internal Thread	



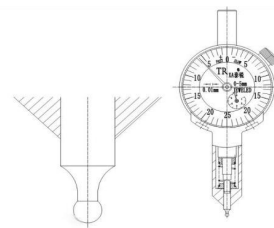
ETH011Y



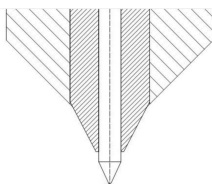
ETH021M(0-5mm×0.01mm)

Model	Contact Point	Application	Indicator Res.
ETH013M	Ø1.575mm (0.062in)	13 ³ / ₈ " & Smaller Buttress External Thread, 5 ¹ / ₂ "-13 ³ / ₈ " Internal Thread	0-5mmX0.01mm
ETH021M	Ø1.829mm (0.072in)	13 ³ / ₈ " & Smaller Buttress, Rotary Shouldered Connection Thread Forms V-038R & V-055 External Thread, 5 ¹ / ₂ " & Larger Internal Thread	
ETH022M	Ø1.12mm (0.044in)	Rotary Shouldered Connection Thread Forms V-050 & V-076 External Thread, 5 ¹ / ₂ " & Larger Internal Thread	
ETH023M	Ø0.86mm (0.034in)	Rotary Shouldered Connection Thread Forms V-040 External Thread, 5 ¹ / ₂ " & Larger Internal Thread	
ETH024M	Ø1.829 mm (0.072in)	16" & Larger Buttress, 1" TPF	

Model	Contact Point	Application	Indicator Res.
ETH013Y	Ø1.575mm (0.062in)	13 ³ / ₈ " & Smaller Buttress External Thread, 5 ¹ / ₂ "-13 ³ / ₈ " Internal Thread	0-0.25"X0.0005"
ETH021Y	Ø1.829mm (0.072in)	13 ³ / ₈ " & Smaller Buttress, Rotary Shouldered Connection Thread Forms V-038R & V-055 External Thread, 5 ¹ / ₂ " & Larger Internal Thread	
ETH022Y	Ø1.12mm (0.044in)	Rotary Shouldered Connection Thread Forms V-050 & V-076 External Thread, 5 ¹ / ₂ " & Larger Internal Thread	
ETH023Y	Ø0.86mm (0.034in)	Rotary Shouldered Connection Thread Forms V-040 External Thread, 5 ¹ / ₂ " & Larger Internal Thread	
ETH024Y	Ø1.829 mm (0.072in)	16" & Larger Buttress, 1" TPF	



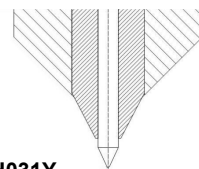
ETH021Y(0-0.25×0.0005")



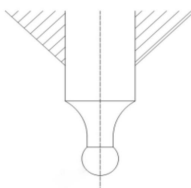
ETH031M

Model	Contact Point	Application	Indicator Res.
ETH031M	50° Cone with R0.1 Contact Point	8-Roud & 10-Roud External Thread , 4 ¹ / ₂ " & Larger Internal Thread	0-5mmX0.01mm
ETH032M	50° Cone with R0.05 Contact Point	LP External Thread , 4 ¹ / ₂ " & Larger Internal Thread	

Model	Contact Point	Application	Indicator Res.
ETH031Y	50° Cone with R0.1 Contact Point	8-Roud & 10-Roud External Thread , 4 ¹ / ₂ " & Larger Internal Thread	0-0.25"X0.0005"
ETH032Y	50° Cone with R0.05 Contact Point	LP External Thread Height, 4 ¹ / ₂ " & Larger Internal Thread	



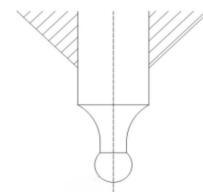
ETH031Y



ETH041M

Model	Contact Point	Application	Indicator Res.
ETH033M	Ø1.575mm (0.062in)	13 ³ / ₈ " & Smaller Buttress External Thread, 4 ¹ / ₂ "-13 ³ / ₈ " Internal Thread	0-5mm×0.01mm
ETH041M	Ø1.829mm (0.072in)	Rotary Shouldered Connection Thread Forms V-038R & V-055 External Thread, 4 ¹ / ₂ " & Larger Internal Thread	
ETH042M	Ø1.12mm (0.044in)	Rotary Shouldered Connection Thread Forms V-050 & V-076 External Thread, 4 ¹ / ₂ " & Larger Internal Thread	
ETH043M	Ø0.86mm (0.034in)	Rotary Shouldered Connection Thread Forms V-040 External Thread, 4 ¹ / ₂ " & Larger Internal Thread	
ETH044M	Ø1.829 mm (0.072in)	16" & Larger Buttress, 1" TPF	

Model	Contact Point	Application	Indicator Res.
ETH033Y	Ø1.575mm (0.062in)	13½" & Smaller Buttress External Thread, 4½"- 13½" Internal Thread	0-0.25" × 0.0005"
ETH041Y	Ø1.829mm (0.072in)	Rotary Shouldered Connection Thread Forms V-038R & V-055 External Thread, 4½" & Larger Internal Thread	
ETH042Y	Ø1.12mm (0.044in)	Rotary Shouldered Connection Thread Forms V-050 & V-076 External Thread, 4½" & Larger Internal Thread	
ETH043Y	Ø0.86mm (0.034in)	Rotary Shouldered Connection Thread Forms V-040 External Thread, 4½" & Larger Internal Thread	
ETH044Y	Ø1.829 mm (0.072in)	16" & Larger Buttress, 1" TPF	



ETH041Y

Internal Thread Height Gages



ITH011M

Model	Contact Point	Application	Indicator Res.
ITH011M	50° Cone with R0.1 Contact Point	2⅜"-5" Internal Thread	0-5mm × 0.01mm
ITH012M	50° Cone with R0.05 Contact Point	LP Thread , 2⅜"-5" Internal Thread	
ITH017M	50° Cone with R0.1 Contact Point	8-Round & 10-Round Thread Height, 1"-2⅜" Internal Thread	
ITH018M	50° Cone with R0.05 Contact Point	LP Thread , 1"-2⅜" Internal Thread	

Model	Contact Point	Application	Indicator Res.
ITH011Y	50° Cone with R0.1 Contact Point	2⅜"-5" Internal Thread	0-0.25" × 0.0005"
ITH012Y	50° Cone with R0.05 Contact Point	LP Thread , 2⅜"-5" Internal Thread	
ITH017Y	50° Cone with R0.1 Contact Point	8-Round & 10-Round Thread Height, 1"-2⅜" Internal Thread	
ITH018Y	50° Cone with R0.05 Contact Point	LP Thread, 1"-2⅜" Internal Thread	



ITH011Y



ITH021M

Model	Contact Point	Application	Indicator Res.
ITH021M	50 Cone with R0.1 Contact Point	2⅜"-5" Internal Thread	0-5mm × 0.01mm
ITH022M	50 Cone with R0.05 Contact Point	LP Thread , 2⅜"-5" Internal Thread	

Model	Contact Point	Application	Indicator Res.
ITH021Y	50 Cone with R0.1 Contact Point	2 ⅜"-5" Internal Thread	0-0.25" × 0.0005"
ITH022Y	50 Cone with R0.05 Contact Point	LP Thread , 2 ⅜"-5" Internal Thread	

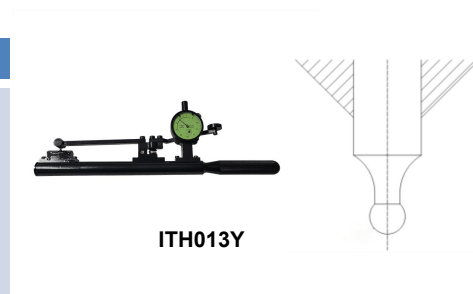


ITH021Y



Model	Contact Point	Application	Indicator Res.
ITH013M	Ø1.575mm (0.062in)	4½"-5½" Buttress Internal Thread Height	0-5mm×0.01mm
ITH014M	Ø1.829mm (0.072in)	2¾"-5" Rotary Shouldered Connection Thread Forms V-038R & V-055 Internal Thread	
ITH015M	Ø1.12mm (0.044in)	2¾"-5" Rotary Shouldered Connection Thread Forms V-050 & V-076 Internal Thread	
ITH016M	Ø0.86mm (0.034in)	2¾"-5" Rotary Shouldered Connection Thread Forms V-040 Internal Thread Height	

Model	Contact Point	Application	Indicator Res.
ITH013Y	Ø1.575mm (0.062in)	4½"-5½" Buttress Internal Thread	0-0.25"×0.0005"
ITH014Y	Ø1.829mm (0.072in)	2¾"-5" Rotary Shouldered Connection Thread Forms V-038R & V-055 Internal Thread	
ITH015Y	Ø1.12mm (0.044in)	2¾"-5" Rotary Shouldered Connection Thread Forms V-050 & V-076 Internal Thread	
ITH016Y	Ø0.86mm (0.034in)	2¾"-5" Rotary Shouldered Connection Thread Forms V-040 Internal Thread	



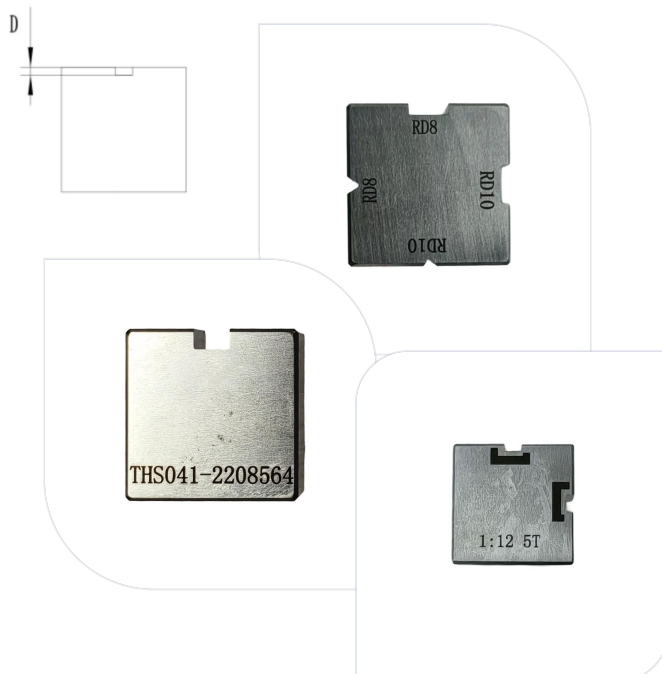
Model	Contact Point	Application	Instruction table
ITH023M	Ø1.575mm (0.062in)	4½"-5½" Buttress Internal Thread Height	0-5mm×0.01mm
ITH024M	Ø1.829mm (0.072in)	3½"-5" Buttress,Rotary Shouldered Connection Thread Forms V-038R & V-055 Internal Thread	
ITH025M	Ø1.12mm (0.044in)	3½"-5" Rotary Shouldered Connection Thread Forms V-050 & V-076 Internal Thread	
ITH026M	Ø0.86mm (0.034in)	3½"-5" Rotary Shouldered Connection Thread Forms V-040 Internal Thread	

Model	Contact Point	Application	Indicator Res.
ITH023Y	Ø1.575mm (0.062in)	4½"-5½" Buttress Internal Thread	0-0.25"×0.0005"
ITH024Y	Ø1.829mm (0.072in)	3½"-5" Buttress,Rotary Shouldered Connection Thread Forms V-038R & V-055 Internal Thread	
ITH025Y	Ø1.12mm (0.044in)	3½"-5" Rotary Shouldered Connection Thread Forms V-050 & V-076 Internal Thread	
ITH026Y	Ø0.86mm (0.034in)	3½"-5" Rotary Shouldered Connection Thread Forms V-040 Internal Thread	



Thread Height Gage Standards

Model	Application
THS011	¾"TPF 8TPI & 10TPI Round Threads
THS012	¾"TPF 8TPI LP
THS013	¾"TPF 11.5TPI LP
THS021	¾"TPF 5TPI BCSG
THS022	1"TPF 5TPI BCSG
THS031	V-038R,2" TPF Rotary Shouldered Connections,4 TPI
THS032	V-038R,3" TPF Rotary Shouldered Connections,4 TPI
THS041	V-040,3" TPF Rotary Shouldered Connections,5 TPI
THS051	V-050 2" TPF Rotary Shouldered Connections,4 TPI
THS052	V-050,3" TPF Rotary Shouldered Connections,4 TPI
THS061	V-055,1.5" TPF Rotary Shouldered Connections,6 TPI
THS071	V-065 2" TPF Rotary Shouldered Connections,4 TPI
THS081	V-076,1.5" TPF Rotary Shouldered Connections,4 TPI
THS091	90-V-050 2" TPF Rotary Shouldered Connections,3.5 TPI
THS092	90-V-050,3" TPF Rotary Shouldered Connections,3.5 TPI
THS093	90-V-084,1¼" TPF Rotary Shouldered Connections,3 TPI



External Thread Addendum Gages

EAG011M

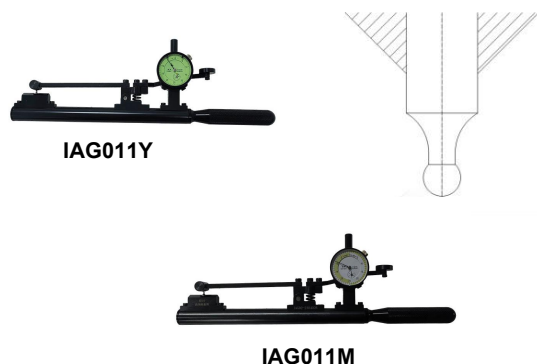
Model	Contact Point	Application	Indicator Res.
EAG011M	Ø1.83mm (0.072in)	8-Round External Thread Addendum, 5½" & Larger Internal Thread Addendum	0-5mm×0.01mm
EAG012M	Ø1.45mm (0.057in)	10-Round External Thread Addendum, 5½" & Larger Internal Thread Addendum	

EAG011Y

Model	Contact Point	Application	Indicator Res.
EAG011Y	Ø1.83mm (0.072in)	8-Round External Thread Addendum, 5½" & Larger Internal Thread Addendum	0-0.25"×0.0005"
EAG012Y	Ø1.45mm (0.057in)	10-Round External Thread Addendum, 5½" & Larger Internal Thread Addendum	



Internal Thread Addendum Gages



IAG011Y

Model	Contact Point	Application	Indicator Res.
IAG011Y	Ø1.83mm (0.072in)	¾ TPF 8-Round (≤4½")	0-0.25"×0.0005"
IAG012Y	Ø1.45mm (0.057in)	¾ TPF 10-Round	

IAG011M

Model	Contact Point	Application	Indicator Res.
IAG011M	Ø1.83mm (0.072in)	¾ TPF 8-Round (≤4½")	(0-5mm×0.01mm)
IAG012M	Ø1.45mm (0.057in)	¾ TPF 10-Round	

Thread Addendum Standards



Model	Application
TAS	$\frac{3}{4}$ " TPF 8TPI & 10TPI Round Threads

External Lead Gages



ELG011M

Model	Description	Indicator Res.
ELG011M	External 2-Point Lead gage, $\frac{1}{2}$ " - 4" (12.7mm - 101.6mm) thread lead range	$\pm 0.2\text{mm} \times 0.01\text{mm}$



ELG012M

Model	Description	Indicator Res.
ELG012M	External 2-Point Lead gage, $\frac{1}{2}$ " - 4" (12.7mm - 101.6mm) thread lead range	$\pm 0.15\text{mm} \times 0.01\text{mm}$

Model	Description	Indicator Res.
ELG011Y	External 2-Point Lead gage, $\frac{1}{2}$ " - 4" (12.7mm - 101.6mm) thread lead range	$\pm 0.01" \times 0.0005$



ELG011Y

Model	Description	Indicator Res.
ELG012Y	External 2-Point Lead gage, $\frac{1}{2}$ " - 4" (12.7mm - 101.6mm) thread lead range	$\pm 0.015" \times 0.0005$



ELG012Y

Internal Lead Gages



ILG011M

Model	Description	Indicator Res.
ILG011M	2-point Lead Gage, Minimum size $2\frac{3}{8}$ ", Thread Length Range: $\frac{1}{2}$ " - 4" (12.7mm - 101.6mm)	$\pm 0.2\text{mm} \times 0.01\text{mm}$



ILG012M

Model	Description	Indicator Res.
ILG012M	2-point Lead Gage, Minimum size $2\frac{3}{8}$ "	$\pm 0.15\text{mm} \times 0.01\text{mm}$
ILG013M	2-point Lead Gage, Minimum size 1"	

Model	Description	Indicator Res.
ILG011Y	2-point Lead Gage, Minimum size $2\frac{3}{8}$ ", Thread Length Range: $\frac{1}{2}$ " - 4" (12.7mm - 101.6mm)	$\pm 0.01" \times 0.0005$



ILG011Y

Model	Description	Indicator Res.
ILG012Y	2-point Lead Gage, Minimum size $2\frac{3}{8}$ "	$\pm 0.01" \times 0.0005$
ILG013Y	2-point Lead Gage, Minimum size 1"	



ILG012Y

3-points Lead Gages

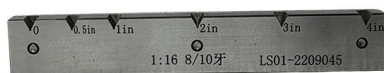


Model	Description	Indicator Res.
LG011M	Internal & External 3-Point Lead gage, Minimum size 3 1/2"	$\pm 0.15\text{mm} \times 0.01\text{mm}$

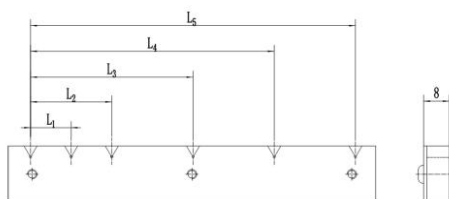


Model	Description	Indicator Res.
LG011Y	Internal & External 3-Point Lead gage, Minimum size 3 1/2"	$\pm 0.015" \times 0.0005"$

Lead Gage Standards

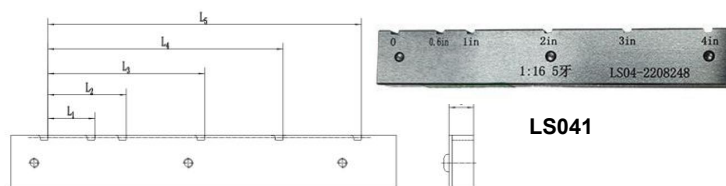


LS011



Model	Application
LS011	3/4" TPF, API 8-Round Casing, Tubing & Drill Pipe, All 10-Round Tubing
LS012	3/4" TPF, 11 1/2 TPI, "V" API Line Pipe
LS021	2" TPF, 4 TPI, 6 5/8 "Reg, 5 1/2" (6 5/8") FH, API Numbered Connections #23-#50
LS022	2" TPF, 3.5 TPI, 3 1/2" - 6 5/8" Hughes H-90
LS031	3" TPF, 4 TPI, 5 1/2" (7 5/8" - 8 5/8") API Reg, API Numbered Connections #56 - #77
LS032	3" TPF, 5 TPI, 2 3/8" - 4 1/2" API Reg, 2 7/8" - 4 1/2" API Full Hole
LS033	3" TPF, 3.5 TPI, 7" - 8 5/8" Hughes H-90
LS051	1.5" TPF, 4 TPI, 2 3/8" - 3 1/2" PAC
LS052	1.5" TPF, 6 TPI, API Numbered Connections #10 (#12, #13, #16)
LS053	1 1/4" TPF, 3 TPI, 2 3/8" - 3 1/2" Slim Line H-90

Model	Application
LS041	3/4" TPF, 5 TPI, API Buttress Casing, Internal/External 4 1/2" - 13 3/8"
LS042	1" TPF, 5 TPI, API Buttress Casing, Internal/External 16" - Larger

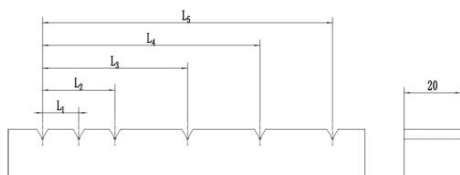


LS041

3-Points Lead Gage Standards

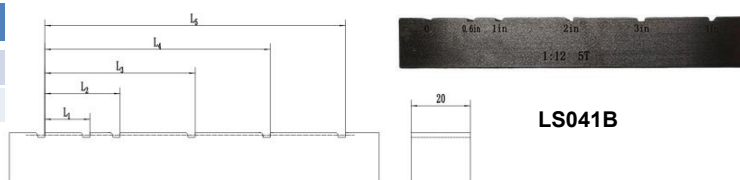


LS011B



Model	Application
LS011B	3/4" TPF, API 8-Round Casing, Tubing & Drill Pipe, All 10-Round Tubing
LS012B	3/4" TPF, 11 1/2 TPI, "V" API Line Pipe
LS021B	2" TPF, 4 TPI, 6 5/8 "Reg, 5 1/2" (6 5/8") FH, API Numbered Connections #23-#50
LS022B	2" TPF, 3.5 TPI, 3 1/2" - 6 5/8" Hughes H-90
LS031B	3" TPF, 4 TPI, 5 1/2" (7 5/8" - 8 5/8") API Reg, API Numbered Connections #56 - #77
LS032B	3" TPF, 5 TPI, 2 3/8" - 4 1/2" API Reg, 2 7/8" - 4 1/2" API Full Hole
LS033B	3" TPF, 3.5 TPI, 7" - 8 5/8" Hughes H-90
LS051B	1.5" TPF, 4 TPI, 2 3/8" - 3 1/2" PAC
LS052B	1.5" TPF, 6 TPI, API Numbered Connections #10 (#12, #13, #16)
LS053B	1 1/4" TPF, 3 TPI, 2 3/8" - 3 1/2" Slim Line H-90

Model	Application
LS041B	3/4" TPF, 5 TPI, API Buttress Casing, Internal/External 4 1/2" - 13 3/8"
LS042B	1" TPF, 5 TPI, API Buttress Casing, Internal/External 16" - Larger



LS041B

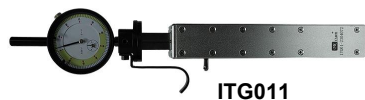
External Taper Gages

Model	Description	Indicator Res.
ETG011	4¼" Arm Length , sizes:1"-7"	0-0.5"×0.001"
ETG012	4¼" Arm Length , sizes:7"-13 ⅜"	
ETG013	5½" Arm Length , sizes:13 ⅜"-20"	

Model	Description	Indicator Res.
ETG014	4¼" Arm Length , sizes:1"-7"	0-1"×0.0005"
ETG015	5½" Arm Length , sizes: 1"-7"	
ETG016	5½" Arm Length , sizes:1"-8 ⅝"	



Internal Taper Gages



ITG011

Model	Description	Indicator Res.
ITG011	4¼" Arm Length, sizes:2⅜"-5½"	0-1"×0.001"
ITG013	2¼" Arm Length , sizes: 1"-3½"	

Model	Description	Indicator Res.
ITG012	4¼" Arm Length , sizes: 2⅜"-5½"	0-1"×0.0005"
ITG014	5½" Arm Length , sizes: 2⅜"-9⅝"	



ITG012



Model	Application	Indicator Res.
ITG021	sizes: 5½"-20"	0-0.5"×0.001"

Model	Application	Indicator Res.
ITG031	5½" Arm Length , sizes: 2⅜"-9⅝"	0-0.5"×0.0005"
ITG032	5½" Arm Length , sizes: 2⅜"-9⅝"	0-0.5"×0.001"



ITG031

Internal-Crest Diameter and Ovality Gages



ITPD01M

Model	Application	Indicator Res.
ITPD01M	2⅜"-5½"	0-5mm×0.01mm

Model	Application	Indicator Res.
ITPD01Y	2⅜"-5½"	0-0.25"×0.0005"



ITPD01Y



Model	Application	Indicator Res.
ITPD02M	5½"-13⅜"	0-10mm×0.01mm
ITPD03M	13⅜"-20"	
ITPD04M	20"-30"	

Model	Application	Indicator Res.
ITPD02Y	5½"-13⅜"	0-0.5"×0.0005"
ITPD03Y	13⅜"-20"	
ITPD04Y	20"-30"	



ITPD02



Model	Application	Indicator Res.
ITPD011M	Size Range: ¾"-3", arm length :1½"	0-5mm×0.01mm
ITPD011Y	Size Range: ¾"-3", arm length :1½"	0-0.25"×0.0005"

External-Crest Diameter and Ovality Gages



Model	Application	Indicator Res.
ETPD01M	2⅜"-5½"	0-5mm×0.01mm

Model	Application	Indicator Res.
ETPD01Y	2⅜"-5½"	0-0.25"×0.0005"

Model	Application	Indicator Res.
ETPD02M	5½"-13⅜"	0-10mm×0.01mm
ETPD03M	13⅜"-20"	
ETPD04M	20"-30"	

Model	Application	Indicator Res.
ETPD02Y	5½"-13⅜"	0-0.5"×0.0005"
ETPD03Y	13⅜"-20"	
ETPD04Y	20"-30"	

Model	Application	Indicator Res.
ETPD011M	Size Range: ¾"-3½", arm length :1½"	0-5mm×0.01mm
ETPD011Y	Size Range: ¾"-3½", arm length :1½"	0-0.25"×0.0005"



INTERNAL PITCH DIAMETER INSPECTION GAGES



Model	Description	Indicator Res.
TR-6001	Size Range: 1"-3½", 2¼" Depth, Travel: 0.5", Resolution: 0.0005"	0-0.5"×0.0005"
TR-6002	Size Range: 2¾"-5½", 4¼" Depth, Travel: 0.5", Resolution: 0.0005"	
TR-6003	Size Range: 2¾"-9½", 4¼" Depth, Travel: 0.5", Resolution: 0.0005"	
TR-6004	Size Range: 5½"-20", Any Depth, Travel: 0.5", Resolution: 0.0005"	

EXTERNAL PITCH DIAMETER INSPECTION GAGES

Model	Description	Indicator Res.
TR-8001	Size Range: 0-6", Travel : 0.5", Resolution: 0.0005"	0-0.5"×0.0005"
TR-8002	Size Range: 6"-12", Travel : 0.5", Resolution: 0.0005"	
TR-8003	Size Range: 12"-16", Travel : 0.5", Resolution: 0.0005"	



TR-8001

Frame Standards



Model	Connection Type	Model	Connection Type
TR.FSTD-238NU-P	2¾" NU PIN	TR.FSTD-238NU-B	2¾"NU BOX
TR.FSTD-278NU-P	2⅞" NU PIN	TR.FSTD-278NU-B	2⅞"NU BOX
TR.FSTD-312NU-P	3½" NU PIN	TR.FSTD-312NU-B	3½"NU BOX
TR.FSTD-4NU-P	4" NU PIN	TR.FSTD-4NU-B	4"NU BOX
TR.FSTD-412NU-P	4½" NU PIN	TR.FSTD-412NU-B	4½"NU BOX
TR.FSTD-238EU-P	2¾" EU PIN	TR.FSTD-238EU-B	2¾"EU BOX
TR.FSTD-278EU-P	2⅞" EU PIN	TR.FSTD-278EU-B	2⅞"EU BOX
TR.FSTD-312EU-P	3½" EU PIN	TR.FSTD-312EU-B	3½"EU BOX
TR.FSTD-4EU-P	4" EU PIN	TR.FSTD-4EU-B	4"EU BOX
TR.FSTD-412EU-P	4½" EU PIN	TR.FSTD-412EU-B	4½"EU BOX

Frame Standards

Model	Connection Type	Model	Connection Type
TR.FSTD-412S-P(9.5lb/ft)	4½" SC PIN	TR.FSTD-412S-B	4½"SC BOX
TR.FSTD-412S-P(Others)			
TR.FSTD-5S-P(11.5lb/ft)	5"SC PIN	TR.FSTD-5S-B	5"SC BOX
TR.FSTD-5S-P(Others)	5"SC PIN		
TR.FSTD-512S-P	5½"SC PIN	TR.FSTD-512S-B	5½"SC BOX
TR.FSTD-658S-P	6⅝"SC PIN	TR.FSTD-658S-B	6⅝"SC BOX
TR.FSTD-7S-P(17lb/ft)	7"SC PIN	TR.FSTD-7S-B	7"SC BOX
TR.FSTD-7S-P(Others)	7"SC PIN		
TR.FSTD-758S-P	7⅞"SC PIN	TR.FSTD-758S-B	7⅞"SC BOX
TR.FSTD-858S-P(24b/ft)	8⅝"SC PIN	TR.FSTD-858S-B	8⅝"SC BOX
TR.FSTD-858S-P(Others)	8⅝"SC PIN		
TR.FSTD-958S-P	9⅝"SC PIN	TR.FSTD-958S-B(b) < P110	9⅝"SC BOX
		TR.FSTD-958S-B(c) ≥P110	9⅝"SC BOX

Model	Connection Type	Model	Connection Type
TR.FSTD-1034S-P(32.75b/ft)	10¾"SC PIN	TR.FSTD-1034S-B(b) <P110	10¾"SC BOX
TR.FSTD-1034S-P(Others)	10¾"SC PIN	TR.FSTD-1034S-B(c) ≥P110	10¾"SC BOX
TR.FSTD-1134S-P	11¾"SC PIN	TR.FSTD-1134S-B(b) <P110	11¾"SC BOX
		TR.FSTD-1134S-B(c) ≥P110	11¾"SC BOX
TR.FSTD-1338S-P	13⅜"SC PIN	TR.FSTD-1338S-B(b) <P110	13⅜"SC BOX
		TR.FSTD-1338S-B(c) ≥P110	13⅜"SC BOX
TR.FSTD-16S-P	16"SC PIN	TR.FSTD-16S-B	16"SC BOX
TR.FSTD-1858S-P	18⅝"SC PIN	TR.FSTD-1858S-B	18⅝"SC BOX
TR.FSTD-20S-P	20"SC PIN	TR.FSTD-20S-B(d) J55&K55	20"SC BOX
		TR.FSTD-20S-B(e) ≥J55&K55	20"SC BOX

Model	Connection Type	Model	Connection Type
TR.FSTD-412L-P	4½" LC PIN	TR.FSTD-412L-B	4½"LC BOX
TR.FSTD-5L-P	5"LC PIN	TR.FSTD-5L-B	5"LC BOX
TR.FSTD-512L-P	5½"LC PIN	TR.FSTD-512L-B	5½"LC BOX
TR.FSTD-658L-P	6⅝"LC PIN	TR.FSTD-658L-B	6⅝"LC BOX
TR.FSTD-7L-P	7"LC PIN	TR.FSTD-7L-B	7"LC BOX
TR.FSTD-758L-P	7⅞"LC PIN	TR.FSTD-758L-B	7⅞"LC BOX
TR.FSTD-858L-P	8⅝"LC PIN	TR.FSTD-858L-B	8⅝"LC BOX
TR.FSTD-958L-P	9⅝"LC PIN	TR.FSTD-958L-B(b) <P110	9⅝"LC BOX
		TR.FSTD-958L-B(c) ≥P110	9⅝"LC BOX
TR.FSTD-20L-P	20"LC PIN	TR.FSTD-20L-B(d) J55&K55	20"LC BOX
		TR.FSTD-20L-B(e) ≥J55&K55	20"LC BOX



Frame Standards



Model	Connection Type	Model	Connection Type
TR.FSTD-412B-P	4½"BC PIN	TR.FSTD-412B-B	4½"BC BOX
TR.FSTD-5B-P	5"BC PIN	TR.FSTD-5B-B	5"BC BOX
TR.FSTD-512B-P	5½"BC PIN	TR.FSTD-512B-B	5½"BC BOX
TR.FSTD-658B-P	6⅝"BC PIN	TR.FSTD-658B-B	6⅝"BC BOX
TR.FSTD-7B-P	7"BC PIN	TR.FSTD-7B-B	7"BC BOX
TR.FSTD-758B-P	7⅝"BC PIN	TR.FSTD-758B-B	7⅝"BC BOX
TR.FSTD-858B-P	8⅝"BC PIN	TR.FSTD-858B-B	8⅝"BC BOX
TR.FSTD-958B-P	9⅝"BC PIN	TR.FSTD-958B-B	9⅝"BC BOX
TR.FSTD-1034B-P	10¾"BC PIN	TR.FSTD-1034B-B	10¾"BC BOX
TR.FSTD-1134B-P	11¾"BC PIN	TR.FSTD-1134B-B	11¾"BC BOX
TR.FSTD-1338B-P	13¾"BC PIN	TR.FSTD-1338B-B	13¾"BC BOX
TR.FSTD-16B-P	16"BC PIN	TR.FSTD-16B-B	16"BC BOX
TR.FSTD-1858B-P	18⅝"BC PIN	TR.FSTD-1858B-B	18⅝"BC BOX
TR.FSTD-20B-P	20"BC PIN	TR.FSTD-20B-B	20"BC BOX

Rod Standards

Model	Connection Type	Model	Connection Type
PIN AB-238NU-P	2⅜" NU PIN	BOX AB-238NU-B	2⅜"NU BOX
PIN AB-278NU-P	2⅞" NU PIN	BOX AB-278NU-B	2⅞"NU BOX
PIN AB-312NU-P	3½" NU PIN	BOX AB-312NU-B	3½"NU BOX
PIN AB-4NU-P	4" NU PIN	BOX AB-4NU-B	4"NU BOX
PIN AB-412NU-P	4½" NU PIN	BOX AB-412NU-B	4½"NU BOX
PIN AB-238EU-P	2⅜" EU PIN	BOX AB-238EU-B	2⅜"EU BOX
PIN AB-278EU-P	2⅞" EU PIN	BOX AB-278EU-B	2⅞"EU BOX
PIN AB-312EU-P	3½" EU PIN	BOX AB-312EU-B	3½"EU BOX
PIN AB-4EU-P	4" EU PIN	BOX AB-4EU-B	4"EU BOX
PIN AB-412EU-P	4½" EU PIN	BOX AB-412EU-B	4½"EU BOX



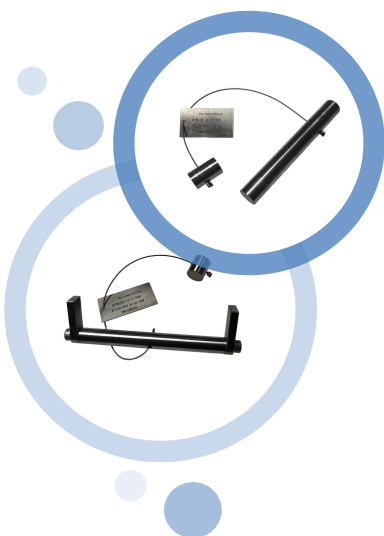
Rod Standards

Model	Connection Type	Model	Connection Type
PIN AB-412S-P(9.5lb/ft)	4½" SC PIN	BOX AB-412S-B	4½"SC BOX
PIN AB-412S-P(Others)	4½" SC PIN		
PIN AB-5S-P(11.5lb/ft)	5" SC PIN	BOX AB-5S-B	5"SC BOX
PIN AB-5S-P(Others)	5"SC PIN		
PIN AB-512S-P	5½"SC PIN	BOX AB-512S-B	5½"SC BOX
PIN AB-658S-P	6⅝"SC PIN	BOX AB-658S-B	6⅝"SC BOX
PIN AB-7S-P(17lb/ft)	7"SC PIN	BOX AB-7S-B	7"SC BOX
PIN AB-7S-P(Others)	7"SC PIN		
PIN AB-758S-P	7⅞"SC PIN	BOX AB-758S-B	7⅞"SC BOX
PIN AB-858S-P(24b/ft)	8⅞"SC PIN	BOX AB-858S-B	8⅞"SC BOX
PIN AB-858S-P(Others)	8⅞"SC PIN		
PIN AB-958S-P	9⅞"SC PIN	BOX AB-958S-B(b) <P110	9⅞"SC BOX
		BOX AB-958S-B(c) ≥P110	9⅞"SC BOX

Model	Connection Type	Model	Connection Type
PIN AB-1034S-P(32.75b/ft)	10¾"SC PIN	BOX AB-1034S-B(b) <P110	10¾"SC BOX
PIN AB-1034S-P(Others)	10¾"SC PIN	BOX AB-1034S-B(c) ≥P110	10¾"SC BOX
PIN AB-1134S-P	11¾"SC PIN	BOX AB-1134S-B(b) <P110	11¾"SC BOX
		BOX AB-1134S-B(c) ≥P110	11¾"SC BOX
PIN AB-1338S-P	13⅜"SC PIN	BOX AB-1338S-B(b) <P110	13⅜"SC BOX
		BOX AB-1338S-B(c) ≥P110	13⅜"SC BOX
PIN AB-16S-P	16"SC PIN	BOX AB-16S-B	16"SC BOX
PIN AB-1858S-P	18⅝"SC PIN	BOX AB-1858S-B	18⅝"SC BOX
PIN AB-20S-P	20"SC PIN	BOX AB-20S-B(d) J55&K55	20"SC BOX
		BOX AB-20S-B(e) ≥J55&K55	20"SC BOX

Model	Connection Type	Model	Connection Type
PIN AB-412L-P	4½" LC PIN	BOX AB-412L-B	4½"LC BOX
PIN AB-5L-P	5"LC PIN	BOX AB-5L-B	5"LC BOX
PIN AB-512L-P	5½"LC PIN	BOX AB-512L-B	5½"LC BOX
TPIN AB-658L-P	6⅝"LC PIN	BOX AB-658L-B	6⅝"LC BOX
PIN AB-7L-P	7"LC PIN	BOX AB-7L-B	7"LC BOX
PIN AB-758L-P	7⅞"LC PIN	BOX AB-758L-B	7⅞"LC BOX
PIN AB-858L-P	8⅞"LC PIN	BOX AB-858L-B	8⅞"LC BOX
PIN AB-958L-P	9⅞"LC PIN	BOX AB-958L-B(b) <P110	9⅞"LC BOX
		BOX AB-958L-B(c) ≥P110	9⅞"LC BOX
PIN AB-20L-P	20"LC PIN	BOX AB-20L-B(d) J55&K55	20"LC BOX
		BOX AB-20L-B(e) ≥J55&K55	20"LC BOX

Rod Standards



Model	Sizes	Model	Sizes
PIN AB-412B-P	4½"BC PIN	BOX AB-412B-B	4½"BC BOX
PIN AB-5B-P	5"BC PIN	BOX AB-5B-B	5"BC BOX
PIN AB-512B-P	5½"BC PIN	BOX AB-512B-B	5½"BC BOX
PIN AB-658B-P	6⅝"BC PIN	BOX AB-658B-B	6⅝"BC BOX
PIN AB-7B-P	7"BC PIN	BOX AB-7B-B	7"BC BOX
PIN AB-758B-P	7⅝"BC PIN	BOX AB-758B-B	7⅝"BC BOX
PIN AB-858B-P	8⅝"BC PIN	BOX AB-858B-B	8⅝"BC BOX
PIN AB-958B-P	9⅝"BC PIN	BOX AB-958B-B	9⅝"BC BOX
PIN AB-1034B-P	10¾"BC PIN	BOX AB-1034B-B	10¾"BC BOX
PIN AB-1134B-P	11¾"BC PIN	BOX AB-1134B-B	11¾"BC BOX
PIN AB-1338B-P	13⅜"BC PIN	BOX AB-1338B-B	13⅜"BC BOX
PIN AB-16B-P	16"BC PIN	BOX AB-16B-B	16"BC BOX
PIN AB-1858B-P	18⅝"BC PIN	BOX AB-1858B-B	18⅝"BC BOX
PIN AB-20B-P	20"BC PIN	BOX AB-20B-B	20"BC BOX

Thread Pitch Diameter Gages

TPD011M

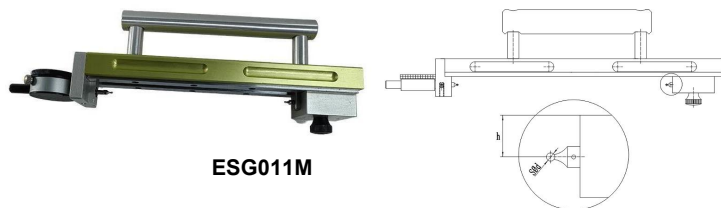
Model	Application	Indicator Res.
TPD011M	2⅜"-5½"	0-10mm×0.01mm
TPD012M	2⅜"-9⅝"	
TPD013M	2⅜"-13⅜"	
TPD014M	2⅜"-20"	

TPD011Y

Model	Application	Indicator Res.
TPD011Y	2⅜"-5½"	0-0.5"×0.0005"
TPD012Y	2⅜"-9⅝"	
TPD013Y	2⅜"-13⅜"	
TPD014Y	2⅜"-20"	



External Seal Diameter Gages



Model	Application	Indicator Res.
ESG011M	2 3/8"-5 1/2"	0-5mm × 0.01mm
ESG012M	2 3/8"-7"	
ESG013M	2 3/8"-9 5/8"	
ESG014M	2 3/8"-13 3/8"	

Model	Application	Indicator Res.
ESG011Y	2 3/8"-5 1/2"	0-0.25" × 0.0005"
ESG012Y	2 3/8"-7"	
ESG013Y	2 3/8"-9 5/8"	
ESG014Y	2 3/8"-13 3/8"	

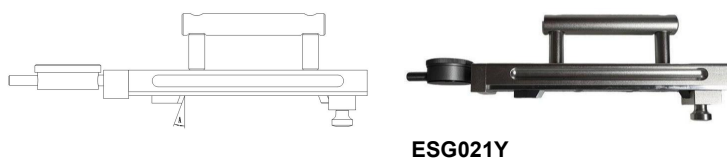


*Customer can customize Movable Spacer Blocks to meet the special distance from the face of the connector to the measuring plane



Model	Application	Indicator Res.
ESG021M	2 3/8"-5 1/2"	0-5mm/0-10mm × 0.01mm
ESG022M	2 3/8"-7"	
ESG023M	2 3/8"-9 5/8"	
ESG024M	2 3/8"-13 3/8"	0-5mm × 0.01mm

Model	Application	Indicator Res.
ESG021Y	2 3/8"-5 1/2"	0-0.25" × 0.0005"
ESG022Y	2 3/8"-7"	
ESG023Y	2 3/8"-9 5/8"	
ESG024Y	2 3/8"-13 3/8"	



Model	Application	Indicator Res.
ESG031M	2 3/8"-7"	0-10mm × 0.01mm
ESG032M	7"-13 3/8"	
ESG031Y	2 3/8"-7"	0-0.5" × 0.001"
ESG032Y	7"-13 3/8"	

Model	Application	Indicator Res.
ESG041M	2 3/8"-5 1/2"	0-5mm × 0.01mm
ESG042M	2 3/8"-13 3/8"	0-10mm × 0.01mm
ESG041Y	2 3/8"-5 1/2"	0-0.25" × 0.0005"
ESG042Y	2 3/8"-13 3/8"	0-0.5" × 0.0005"



Internal Seal Diameter Gages



Model	Application	Indicator Res.
ISG031M	5½"-13¾"	0-10mm×0.01mm
ISG032M		
ISG033M		

Model	Application	Indicator Res.
ISG031Y	5½"-13¾"	0-0.5"×0.0005"
ISG032Y		
ISG033Y		



ISG051M

Model	Application	Indicator Res.
ISG051M	2¾"-7"	0-5mm×0.01mm
ISG052M	7"-13¾"	0-10mm×0.01mm

Model	Application	Indicator Res.
ISG051Y	2¾"-7"	0-0.25"×0.0005"
ISG052Y	7"-13¾"	0-0.5"×0.0005"



ISG051Y



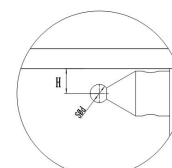
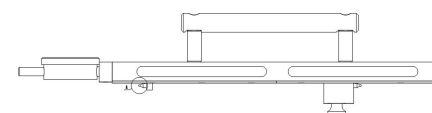
ISG011M

Model	Description	Indicator Res.
ISG011M	2¾"-5½"	0-10mm×0.01mm
ISG012M	2¾"-9⅝"	0-10mm×0.01mm
ISG013M	2¾"-13¾"	0-10mm×0.01mm

Model	Description	Indicator Res.
ISG011Y	2¾"-5½"	0-0.5"×0.0005"
ISG012Y	2¾"-9⅝"	0-0.5"×0.0005"
ISG013Y	2¾"-13¾"	0-0.5"×0.0005"

Model	Description	Indicator Res.
ISG021M-FJ	Size Range: 2¾"-5½", Travel: 5mm, Resolution: 0.01mm	0-5mm×0.01mm
ISG022M-FJ	Size Range: 4½"-9⅝", Travel: 10mm, Resolution: 0.01mm	0-10mm×0.01mm
ISG023M-FJ	Size Range: 4½"-13¾", Travel: 10mm, Resolution: 0.01mm	0-10mm×0.01mm
ISG024M-FJ	Size Range: 4½"-16", Travel: 10mm, Resolution: 0.01mm	0-10mm×0.01mm

Model	Description	Indicator Res.
ISG021Y-FJ	Size Range: 2¾"-5½", Travel: 0.25", Resolution: 0.0005"	0-0.25"×0.0005"
ISG022Y-FJ	Size Range: 4½"-9⅝", Travel: 0.5", Resolution: 0.0005"	0-0.5"×0.0005"
ISG023Y-FJ	Size Range: 4½"-13¾", Travel: 0.5", Resolution: 0.0005"	0-0.5"×0.0005"
ISG024Y-FJ	Size Range: 4½"-16", Travel: 0.5", Resolution: 0.0005"	0-0.5"×0.0005"



Buttress Runout Gages



Model	Application	Indicator Res.
BTD011M	1" point spacing, Range: All Sizes	0-5mm×0.01mm

Model	Application	Indicator Res.
BTD011Y	1" point spacing, Range: All Sizes	0-0.25"×0.0005"

Model	Application	Indicator Res.
BTD012M	2" point spacing, Range: All Sizes	0-5mm×0.01mm

Model	Application	Indicator Res.
BTD012Y	2" point spacing, Range: All Sizes	0-0.25"×0.0005"



Buttress Thread Width Gages



Model	Application	Indicator Res.
TTMG011M	¾" TPF, Size Range: 4½"-13⅝"	0-5mm×0.01mm
TTMG021M	1" TPF, Size Range: 16"-20"	

Model	Application	Indicator Res.
TTMG011Y	¾" TPF, Size Range: 4½"-13⅝"	0-0.25"×0.0005"
TTMG021Y	1" TPF, Size Range: 16"-20"	



Buttress Thread Width Gage Setting Standards

Model	Application
BTWSE16	13⅝" & Smaller External Thread
BTWSI16	13⅝" & Smaller Internal Thread
BTWSE12	16" & Larger External Thread
BTWSI12	16" & Larger Internal Thread

Model	Application
BTWS16	13⅝" & Smaller Internal & External Thread
BTWS12	16" & Larger Internal & External Thread



Coupling Alignment Gages

Model	Application	Indicator Res.
CTCG011M	LINE PIPE , 8-Round CASING & TUBING ,Size Range:2¾"-20"	0-5mm×0.01mm
CTCG021M	BUTTRESS,Size Range:4½"-20"	

Model	Application	Indicator Res.
CTCG011Y	LINE PIPE , 8-Round CASING & TUBING ,Size Range:2¾"-20"	0-0.25"×0.0005"
CTCG021Y	BUTTRESS,Size Range:4½"-20"	



Pit Depth Gages



DMG01M

Model	Description	Indicator Res.
DMG01M	2" Long V Base	0-5mm×0.01mm
DMG04	6" Long Flat Base	0-30mm×0.01mm

Model	Description	Indicator Res.
DMG01Y	2" Long V Base	0-0.25"×0.0005"
DMG03	6" Long Flat Base	0-0.5"×0.001"



DMG01Y

Saddle Gages



DTCG01M

Model	Description	Indicator Res.
DTCG01M	Adjustable v-shaped legs With Max leg Spacing:35"	0-10mm ×0.01mm

Model	Description	Indicator Res.
DTCG01Y	Adjustable v-shaped legs With Max leg Spacing:35"	0.5"×0.0005"



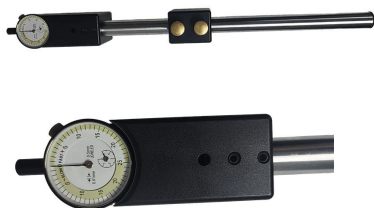
DTCG01Y

Squareness Gages



Model	Description	Indicator Res.
DTCG02M	Adjustable v-shaped legs With Roller, Max leg Spacing:40"	0-30mm×0.01mm
DTCG02Y		0-1"×0.0005"

API 6A Seal Ring Groove Diameter Gages



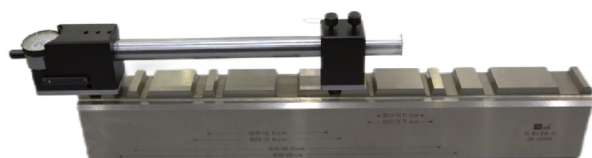
Model	Description	Indicator Res.
ZBX-1000	BX, R, RX Grooves, Diameter Range: 60mm~330mm	0-5mm × 0.01mm
ZBX-1001	BX, R, RX Grooves, Diameter Range: 330mm~500mm	

Groove Width Gages

Model	Description	Indicator Res.
CBX-1000M	BX, R, RX Grooves, Range: Width 10mm~35mm	0-5mm × 0.01mm
CBX-1000Y	BX, R, RX Grooves, Range: Width 0.375"~1.375"	0-0.25" × 0.0005"



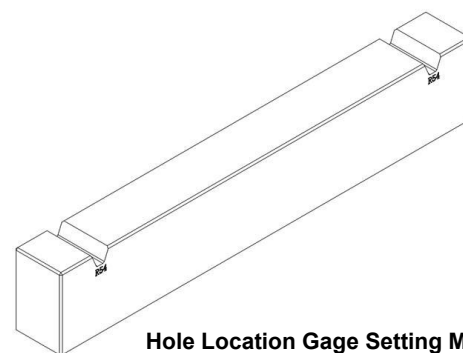
Face Groove and Hole Location Gage Setting Masters



Face Groove

Model	Description	Model	Description
FSBX-150	BX-150	FSBX-162	BX-162
FSBX-151	BX-151	FSBX-163	BX-163
FSBX-152	BX-152	FSBX-164	BX-164
FSBX-153	BX-153	FSBX-165	BX-165
FSBX-154	BX-154	FSBX-166	BX-166
FSBX-155	BX-155	FSBX-167	BX-167
FSBX-156	BX-156	FSBX-168	BX-168
FSBX-157	BX-157	FSBX-169	BX-169
FSBX-158	BX-158	FSBX-170	BX-170
FSBX-159	BX-159	FSBX-171	BX-171
FSBX-160	BX-160	FSBX-172	BX-172
FSBX-161	BX-161	FSBX-330	BX-330

Model	Description	Model	Description	Model	Description
FSR-20	R-20	FSR-46	R-46	FSR-74	R-74
FSR-23	R-23	FSR-47	R-47	FSR-82	R-82
FSR-24	R-24	FSR-49	R-49	FSR-84	R-84
FSR-26	R-26	FSR-50	R-50	FSR-85	R-85
FSR-27	R-27	FSR-53	R-53	FSR-86	R-86
FSR-31	R-31	FSR-54	R-54	FSR-87	R-87
FSR-35	R-35	FSR-57	R-57	FSR-88	R-88
FSR-37	R-37	FSR-63	R-63	FSR-89	R-89
FSR-39	R-39	FSR-65	R-65	FSR-90	R-90
FSR-41	R-41	FSR-66	R-66	FSR-91	R-91
FSR-44	R-44	FSR-69	R-69	FSR-99	R-99
FSR-45	R-45	FSR-70	R-70		



Hole Location Gage Setting Masters

Chamfer Diameter Measuring Gauges



Model	Description
PDMR	70mm~250mm×0.02mm

Depth Gages



DDG08

Model	Description	Measuring range
DDG08	Base Plate length 9", Size Range : 2 $\frac{3}{8}$ "-7", Travel:8"/200mm , Resolution: 0005"/0.01 mm	0-200mm×0.01mm
DDG12	Base Plate length 15", Size Range : 7"-13 $\frac{3}{8}$ " Travel:12"/300mm , Resolution: 0005"/0.01 mm	0-300mm×0.01mm
DDG20	Base Plate length 21", Size Range : 16"-20", Travel:12"/300mm , Resolution: 0005"/0.01 mm	0-300mm×0.01mm

Model	Description	Measuring range
TPCO1	Base Plate length 9", Size Range: 2 $\frac{3}{8}$ "-7", Travel:7 $\frac{1}{2}$ "/190mm	0-10mm×0.01mm
TPCO2	Base length 15", Size Range: 2 $\frac{3}{8}$ "-13 $\frac{3}{8}$ ", Travel:7 $\frac{1}{2}$ "/190mm	



TPCO1

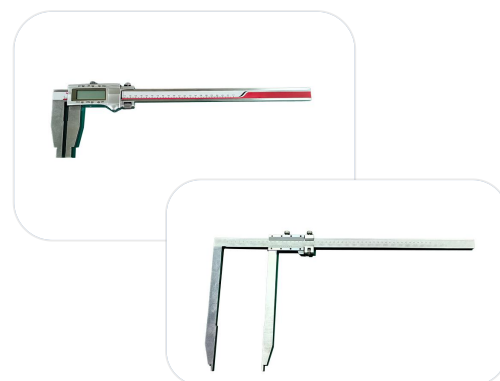
Model	Description	Measuring range
SD-B08	Base Plate length 9", Size Range : 2 $\frac{3}{8}$ "-7" Travel:8"/200mm	0-200mm×0.01mm



SD-B08

Long Jaw Calipers

Model	Measuring range
LPC01	0-300mmx150mm (claw length)
LPC02	0-300mmx200mm (claw length)
LPC03	0-500mmx300mm (claw length)
LPC04	0-800mmx450mm (claw length)
LPC05	0-1100mmx600mm (claw length)



Buttress Groove Width Gages



Model	Application
EBGWG01	API Buttress Casing, External, 4 $\frac{1}{2}$ "-7 $\frac{5}{8}$ " , 5 TPI, $\frac{3}{4}$ " TPF
EBGWG02	API Buttress Casing, External, 8 $\frac{5}{8}$ "-13 $\frac{3}{8}$ " , 5 TPI, $\frac{3}{4}$ " TPF
EBGWG03	API Buttress Casing, External, 16"-20", 5 TPI, 1" TPF
IBGWG01	API Buttress Casing, Internal, 4 $\frac{1}{2}$ "-13 $\frac{3}{8}$ " , 5 TPI, $\frac{3}{4}$ " TPF
IBGWG02	API Buttress Casing, Internal, 16"-20", 5 TPI, 1" TPF

Thread Form Overlays

Model	Application
1:16 8TPI	API Rd 8 TPI ¾"TPF
1:16 10TPI	API Rd 10TPI ¾"TPF
1:16 5TPI BOX	¾"TPF,5 TPI,API Buttress Casing, Internal
1:16 5TPI PIN	¾"TPF,5 TPI,API Buttress Casing, External, 4½" - 7⅝"
	¾"TPF,5 TPI,API Buttress Casing, External, 8⅝" - 13⅝"
1:12 5TPI PIN	1"TPF,5 TPI,API Buttress Casing, External
1:12 5TPI BOX	1"TPF,5 TPI,API Buttress Casing, Internal



Tapered Thread Profile Gages



TPG02

Model	Application
TPG01	¾"TPF,8 TPI,API 8-Round Casing, Tubing & Drill Pipe
TPG02	¾"TPF,10 TPI,API 10-Round Tubing
TPG051	2"TPF,4 TPI,V-038R, API Numbered Connections #23-#50
TPG052	3"TPF,4 TPI,V-038R, API Numbered Connections #56 - #77
TPG061	3"TPF,5 TPI,V-040, 2⅝" - 4½" API Reg, 2⅞"(3½", 4½")API Full Hole
TPG071	2"TPF,4 TPI,V-050,6⅝" API Reg,5½" & 6⅝" API Full Hole
TPG072	3"TPF,4 TPI,V-050,5½"(7⅝", 8⅝") API Reg
TPG081	1.5"TPF,6 TPI,V-055,API Numbered Connections #10, #12, #13, #16
TPG082	2"TPF,4 TPI,V-076,2⅝" - 3½" P.A.C. Connections,2⅝" - 4½" American Open Hole
TPG083	2"TPF,3.5 TPI,90-V-050,3½" - 6⅝" Hughes H-90
TPG084	3"TPF,3.5 TPI,90-V-050,7" - 8⅝" Hughes H-90
TPG085	1¼" TPF ,3 TPI,90-V-084,2⅝" - 3½" Hughes Slimline H-90

Model	Application
TPG03B	¾"TPF,5 TPI,API Buttress Casing, Internal, 4½" - 13⅝"
TPG03P	¾"TPF,5 TPI,API Buttress Casing, External, 4½" - 13⅝"
TPG04B	1"TPF,5 TPI,API Buttress Casing, Internal, 16" - 20"
TPG04P	1"TPF,5 TPI,API Buttress Casing, External, 16" - 20"



TPG03B

Model	Application
TPG01-L	¾"TPF,10 TPI,API 10-Round Tubing
TPG02-L	¾"TPF,5 TPI,API Buttress Casing, Internal, 4½" - 13⅝"
TPG03B-L	¾"TPF,5 TPI,API Buttress Casing, External, 4½" - 13⅝"
TPG03P-L	1"TPF,5 TPI,API Buttress Casing, Internal, 16" - 20"
TPG04B-L	1"TPF,5 TPI,API Buttress Casing, External, 16" - 20"
TPG04P-L	2"TPF,4 TPI,V-038R, API Numbered Connections #23-#50
TPG051-L	3"TPF,4 TPI,V-038R, API Numbered Connections #56 - #77
TPG052-L	3"TPF,5 TPI,V-040, 2⅝" - 4½" API Reg, 2⅞"(3½", 4½")API Full Hole
TPG061-L	2"TPF,4 TPI,V-050,6⅝" API Reg,5½" & 6⅝" API Full Hole
TPG071-L	3"TPF,4 TPI,V-050,5½"(7⅝", 8⅝") API Reg
TPG072-L	1.5"TPF,6 TPI,V-055,API Numbered Connections #10, #12, #13, #16
TPG081-L	¾"TPF,10 TPI,API 10-Round Tubing



Tapered Thread Profile Gages

Model	Application
TPG082-L	2"TPF,4 TPI,V-076,2 $\frac{3}{8}$ " - 3 $\frac{1}{2}$ " P.A.C. Connections,2 $\frac{3}{8}$ " - 4 $\frac{1}{2}$ " American Open Hole
TPG083-L	2"TPF,3.5 TPI,90-V-050,3 $\frac{1}{2}$ " - 6 $\frac{5}{8}$ " Hughes H-90
TPG084-L	3"TPF,3.5 TPI,90-V-050,7" - 8 $\frac{5}{8}$ " Hughes H-90
TPG085-L	1 $\frac{1}{4}$ " TPF ,3 TPI,90-V-084,2 $\frac{3}{8}$ " - 3 $\frac{1}{2}$ " Hughes Slimline H-90



Model	Application
TPG01-V	3/4"TPF,8 TPI,API 8-Round Casing, Tubing & Drill Pipe
TPG02-V	3/4"TPF,10 TPI,API 10-Round Tubing
TPG03B-V	3/4"TPF,5 TPI,API Buttress Casing, Internal, 4 $\frac{1}{2}$ " - 13 $\frac{3}{8}$ "
TPG03P-V	3/4"TPF,5 TPI,API Buttress Casing, External, 4 $\frac{1}{2}$ " - 13 $\frac{3}{8}$ "
TPG04B-V	1"TPF,5 TPI,API Buttress Casing, Internal, 16" - 20"
TPG04P-V	1"TPF,5 TPI,API Buttress Casing, External, 16" - 20"
TPG051-V	2"TPF,4 TPI,V-038R, API Numbered Connections #23-#50
TPG052-V	3"TPF,4 TPI,V-038R, API Numbered Connections #56 - #77
TPG061-V	3"TPF,5 TPI,V-040, 2 $\frac{3}{8}$ " - 4 $\frac{1}{2}$ " API Reg, 2 $\frac{7}{8}$ "(3 $\frac{1}{2}$ ", 4 $\frac{1}{2}$ ")API Full Hole
TPG071-V	2"TPF,4 TPI,V-050,6 $\frac{5}{8}$ " API Reg,5 $\frac{1}{2}$ " & 6 $\frac{5}{8}$ " API Full Hole
TPG072-V	3"TPF,4 TPI,V-050,5 $\frac{1}{2}$ "(7 $\frac{5}{8}$ ", 8 $\frac{5}{8}$ ") API Reg
TPG081-V	1.5"TPF,6 TPI,V-055,API Numbered Connections #10, #12, #13, #16

Model	Application
TPG082-V	2"TPF,4 TPI,V-076,2 $\frac{3}{8}$ " - 3 $\frac{1}{2}$ " P.A.C. Connections,2 $\frac{3}{8}$ " - 4 $\frac{1}{2}$ " American Open Hole
TPG083-V	2"TPF,3.5 TPI,90-V-050,3 $\frac{1}{2}$ " - 6 $\frac{5}{8}$ " Hughes H-90
TPG084-V	3"TPF,3.5 TPI,90-V-050,7" - 8 $\frac{5}{8}$ " Hughes H-90
TPG085-V	1 $\frac{1}{4}$ " TPF ,3 TPI,90-V-084,2 $\frac{3}{8}$ " - 3 $\frac{1}{2}$ " Hughes Slimline H-90

Ovality Gages

Model	Application	Indicator Res.
DPED01	2 $\frac{3}{8}$ "-4 $\frac{1}{2}$ "	0~10mm×0.01mm /0.0005in
DPED02	5"-7"	
DPED03	7"-10 $\frac{3}{4}$ "	
DPED04	10 $\frac{3}{4}$ "-13 $\frac{3}{8}$ "	
DPED05	16"-20"	



Calibrator Gages



Model	Description	Indicator Res.
ICS1000E	Digital Bench Calibrator Range: 2"/50.8mm	0.00005"/0.001mm

Triangle Stamps and Stampholders

Model	Description
GY636R	Lo-Stress Dot face Triangle stamp for BTC, triangle height 6.36mm
GY636L	Lo-Stress solid line Triangle Stamp for BTC, triangle height 6.36mm
GY794R	Lo-Stress Dot face Triangle stamp for BTC, triangle height 7.94mm
GY794L	Straight line, triangle height 7.94mm
GY825R	Pointed, triangle height 8.25mm
GY825L	Straight type, triangle height 8.25mm
GY953R	Pointed, triangle height 9.53mm
GY953L	Straight line, triangle height 9.53mm



API Masrer and Working Gauges

API Specification 5B

Identifying Terms	Abbreviations	Sizes available
Line Pipe Thread Gauges	LP	Size 1/8"-20D
Casing Round Thread Gauges	CSG	Size 4 1/2"-20"
Buttress Casing Thread Gauges	BUTTRESS CSG	Size 4 1/2"-20"
Non-Upset Tubing Thread Gauges	TBG	Size 1.050"-4 1/2"
External-Upset Tubing Thread Gauges	UP TBG	Size 1.050"-4 1/2"
Integral-Joint Tubing Thread Gauges	TBG	Size 1.315"-2.063"
External-Line Casing Thread and Seal Gauges	Ex.Li.Csg	Size 5"-10 3/4"

API Specification 7-2

Identifying Terms	Abbreviations	Sizes available
Rotary Shouldered Connections Number Style Gauges	NC	Size 23"-77"
Rotary Shouldered Connections Regular Style Gauges(Right or Left Hand)	REG	Size 1"-8 5/8"
Rotary Shouldered Connections Full-Hole Style Gauges	FH	Size 3 1/2"-6 5/8"
Rotary Shouldered Connections Internal-Flush Style Gauges	IF	Size 2 3/8"-5 1/2"



Indicators



Model	Application	Indicator Res.
TR001	Applying for Gage Model ELG012M,ILG012M,ILG013M	2.5mm×0.01mm
TR002	Applying for Gage Model LG011M	2.5mm×0.01mm
TR003	Applying for Gage Model ELG012Y,ILG012Y,ILG013Y	0-0.1"×0.0005"
TR004	Applying for Gage Model LG011Y	0-0.1"×0.0005"
TR005	Applying for Gage Model ETH025Y,ETH045Y	0-0.1"×0.0005"
TR006	Applying for Gage Model BTD012,BTD022	0-0.25"×0.001"
TR007	Applying for Gage Model ETH011Y,ETH012Y,ETH013Y,ETH021Y,ETH022Y,ETH023Y, ETH024Y,ETH031Y,ETH032Y,ETH033Y,ETH041Y,ETH042Y, ETH043Y,ETH044Y,ITH011Y,ITH012Y, ITH013Y,ITH014Y,ITH015Y,ITH016Y,ITH017Y,ITH018Y,ITH 021Y,ITH022Y, ITH023Y,ITH024Y,ITH025Y,ITH026Y,EAG011Y,EAG012Y,IA G011Y,IAG012Y	0-0.25"×0.0005"

Model	Application	Indicator Res.
TR008	Applying for Gage Model BTD012,BTD022	0-0.25"×0.0005"
TR009	Applying for Gage Model TTMG011Y,TTMG021Y	0-0.25"×0.0005"
TR010	Applying for Gage Model ETH011M,ETH012M,ETH013M,ETH021M,ETH022M,ETH023M,ETH024M,ETH031M,ETH0 32M,ETH033M,ETH041M,ETH042M,ETH043M,ETH044M,ITH011M,ITH012M,ITH013M,IT H014M,ITH015M,ITH016M,ITH017M,ITH018M,ITH021M,ITH022M,ITH023M,ITH024M,ITH0 25M,ITH026M,EAG011M,EAG012M,IAG011M,IAG012M	0-5mm×0.01mm
TR011	Applying for Gage Model ETPD011Y,ETPD01Y,ITPD011Y,ITPD01Y,	0-0.25"×0.0005"
TR012	Applying for Gage Model ESG011M,ESG021M,ISG021M,IESG071M,CTCG011,CTCG021	0-5mm×0.01mm
TR013	Applying for Gage Model ESG011Y,ESG021Y,ISG021Y,IESG071Y,DMG02	0-0.25"×0.0005"
TR014	Applying for Gage Model ISG031M	0-5mm×0.005mm
TR015	Applying for Gage Model ISG031M	0-5mm×0.005mm
TR016	Applying for Gage Model ESG012M,ESG013M,ESG014M,ESG015M,ESG016M,ESG022M,ESG023M,ESG024M,ISG 011M,ISG012M,ISG013M,ISG022M,ISG023M,ISG024M	0-10mm×0.005mm
TR017	Applying for Gage Model ITG021	0-0.5"×0.0005"
TR018	Applying for Gage Model ITG021	0-0.5"×0.001"
TR019	Applying for Gage Model ITG021	0-0.5"×0.0005"

Model	Application	Indicator Res.
TR020	Applying for Gage Model ETG011,ETG012,ETG013	0-0.5"×0.001"
TR021	Applying for Gage Model ETG011,ETG012,ETG013	0-0.5"×0.001"
TR022	Applying for Gage Model ETG014,ETG015,ETG016	0-1"×0.0005"
TR023	Applying for Gage Model ETG014,ETG015,ETG016	0-1"×0.0005"
TR024	Applying for Gage Model ITG012, ITG014	0-1"×0.0005"
TR025	Applying for Gage Model ITG011, ITG013	0-1"×0.001"
TR026	Applying for Gage Model ITG011, ITG013	0-1"×0.001"
TR027	Applying for Gage Model ETPD011M,ETPD01M,ITPD011M,ITPD01M,ISG051M	0-5mm×0.01mm
TR028	Applying for Gage Model ETPD02Y,ETPD03Y,ETPD04Y,ITPD02Y,ITPD03Y,ITPD04Y,	0-0.5"×0.0005"
TR029	Applying for Gage Model ETPD02M,ETPD03M,ETPD04M,ITPD02M,ITPD03M,ITPD04M,	0-10mm×0.01mm
TR100	Applying for Gage Model DTCG02M	0-30mm×0.01mm
TR140	Applying for Gage Model ESG012M,ESG013M,ESG014M,ESG015M,ESG016M,ESG022M,ESG023M,ESG024M,IS G011M,ISG012M,ISG013M,ISG022M,ISG023M,ISG024M,ISG032M,ISG033M,ISG052M,IE SG072M,IESG073M,IESG074M	0-10mm×0.01mm
TR400	Applying for Gage Model ETG014,ETG015,ETG016	0-20mm×0.01mm

Accessories



Model	Description
PL01	Φ5.987mm (0.2357in) Contact Point for 3 TPI Hughes Slim Line H-90
PL02	Φ5.131mm (0.202in) Contact Point for 3.5 TPI All Hughes H-90
PL03	Φ3.658mm (0.144in) Contact Point for 4 TPI API Rotary Shouldered Connections
PL04	Φ2.921mm (0.115in) Contact Point for 5 TPI API Rotary Shouldered Connections
PL05	Φ2.438mm (0.096in) Contact Point for 6 TPI API Rotary Shouldered Connections
PL06	Φ1.829mm (0.072in) Contact Point for 8 TPI API Tubing and Casing
PL07	Φ1.575mm (0.062in) Contact Point for 5 TPI API Buttress Casing
PL08	Φ1.448mm (0.057in) Contact Point for 10 TPI API Tubing and Line Pipe
PL09	Φ1.27mm (0.05in) Contact Point for 11.5 TPI API Line Pipe

Model	Description
PL01-S	Φ5.987mm (0.2357in) Contact Point for 3 TPI Hughes Slim Line H-90
PL02-S	Φ5.131mm (0.202in) Contact Point for 3.5 TPI All Hughes H-90
PL03-S	Φ3.658mm (0.144in) Contact Point for 4 TPI API Rotary Shouldered Connections
PL04-S	Φ2.921mm (0.115in) Contact Point for 5 TPI API Rotary Shouldered Connections
PL05-S	Φ2.438mm (0.096in) Contact Point for 6 TPI API Rotary Shouldered Connections
PL06-S	Φ1.829mm (0.072in) Contact Point for 8 TPI API Tubing and Casing
PL07-S	Φ1.575mm (0.062in) Contact Point for 5 TPI API Buttress Casing
PL08-S	Φ1.448mm (0.057in) Contact Point for 10 TPI API Tubing and Line Pipe
PL09-S	Φ1.27mm (0.05in) Contact Point for 11.5 TPI API Line Pipe



Model	Description
PT01	Φ5.987mm (0.2357in) Contact Point for 3 TPI Hughes Slim Line H-90
PT02	Φ5.131mm (0.202in) Contact Point for 3.5 TPI All Hughes H-90
PT03	Φ3.658mm (0.144in) Contact Point for 4 TPI API Rotary Shouldered Connections
PT04	Φ2.921mm (0.115in) Contact Point for 5 TPI API Rotary Shouldered Connections
PT05	Φ2.438mm (0.096in) Contact Point for 6 TPI API Rotary Shouldered Connections
PT06	Φ2.286mm (0.09in) Contact Point for 5 TPI Buttress Casing
PT07	Φ1.829mm (0.072in) Contact Point for 8 TPI API Tubing and Casing
PT08	Φ1.448mm (0.057in) Contact Point for 10 TPI API Tubing and Line Pipe
PT09	Φ1.27mm (0.05in) Contact Point for 11.5 TPI API Line Pipe

Model	Description	Application
DMG01	30° cone, tip R0.1mm, screwed shank	Pit Depth Gages
DMG02	30° cone, tip R0.1mm, screwed shank	Pit Depth Gages



Model	Description	Application
PH05I	50° Cone Contact Point with R0.1mm	8TPI & 10TPI Round Threads
PH06I	50° Cone Contact Point with R0.05mm	API Line Pipe
PH05E	50° Cone Contact Point with R0.1mm	8TPI & 10TPI Round Threads
PH06E	50° Cone Contact Point with R0.05mm	API Line Pipe

*Both screwed and straight shanks Contact Points are available. Customer should specify the shank type.
If screwed shanks are required, customer shall specify metric or imperial screw

Accessories

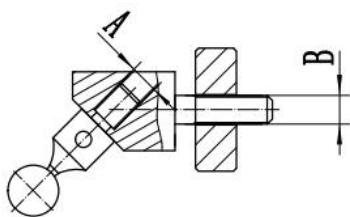


Model	Description
PH01I	Φ1.829mm (0.072in) Contact Point for RSC Thread Forms V-038R & V-055
PH02I	Φ1.118mm (0.044in) Contact Point Rotary Shouldered Connection V-050 and V-076 thread forms
PH03I	Φ0.864mm (0.034in) Contact Point Rotary Shouldered Connection V-040 thread forms
PH04I	Φ1.829mm (0.072in) Contact Point for Buttress Threads
PH01E	Φ1.829mm (0.072in) Contact Point for RSC Thread Forms V-038R & V-055
PH02E	Φ1.118mm (0.044in) Contact Point Rotary Shouldered Connection V-050 and V-076 thread forms
PH03E	Φ0.864mm (0.034in) Contact Point Rotary Shouldered Connection V-040 thread forms
PH04E	Φ1.829mm (0.072in) Contact Point for Buttress Threads

Model	Applicable types	Description
ETPD01-0.625	Pivot Shoe	Int./Ext.Pivot Shoe,0.625" long,0.228" Width,
ETPD02-0.625		Int./Ext. Pivot Shoe,0.625" long,0.433" Width,
ETPD03-1.0		Int./Ext.Pivot Shoe,1" long,0.433" Width,
DPED-13	Roller contact	Roller diameter 11mm
BGT2-4TPI	thread Roll contact	Diameter 18mm
TTMG-12	Truncated contact	Top Truncated
T464	Extended contact	Customised per customer's requirement



***Both screwed and straight shanks Contact Points are available. Customer should specify the shank type.
If screwed shanks are required, customer shall specify metric or imperial screw**



Model	A	B
PA-45-1	4-48UNF	4-48UNF
PA-45-2	4-48UNF	M2.5
PA-45-3	M2.5	M2.5
PA-45-4	M2.5	4-48UNF
ISG033-02	M2.5	M2.5

Other Special Customized Measuring Tools



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