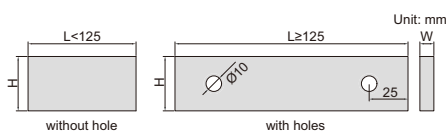


## STEEL GAGE BLOCK SETS



4100-87

- Made of alloy steel
- Meet ISO3650
- Gage blocks  $\geq 125$ mm have clamping holes
- Supplied with manufacturer inspection certificate



Dimension: (mm)

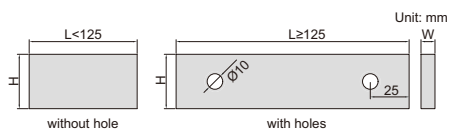
Size (L)	W	H
$0.5 \leq L \leq 10$ mm	9	30
$L > 10$ mm	9	35

Blocks per set	Gage blocks included in set			Code	
	Size (mm)	Step (mm)	Quantity	Grade 1	Grade 2
122	1.0005	0.001	1	4100-1122	4100-2122
	1.001-1.009	0.01	9		
	1.01-1.49	0.1	49		
	1.6-1.9	0.5	4		
	0.5-24.5	10	49		
	30-100	50	8		
112	1.0005	0.001	1	4100-1112	4100-2112
	1.001-1.009	0.01	9		
	1.01-1.49	0.1	49		
	0.5-24.5	25	49		
	25-100		4		
103	1.005	0.01	1	4100-1103	4100-2103
	1.01-1.49	0.5	49		
	0.5-24.5	25	49		
	25-100		4		

Blocks per set	Gage blocks included in set			Code		
	Size (mm)	Step (mm)	Quantity	Grade 0	Grade 1	Grade 2
87	1.001-1.009	0.001	9	4100-87	4100-187	4100-287
	1.01-1.49	0.01	49			
	0.5-9.5	0.5	19			
	10-100	10	10			
47	1.005	0.01	1	4100-47	4100-147	4100-247
	1.01-1.19	0.1	19			
	1.2-1.9	1	8			
	1-9	10	9			
	10-100		10			
32	1.005	0.01	1	4100-32	4100-132	4100-232
	1.01-1.09	0.1	9			
	1.1-1.9	0.1	9			
	1-9	1	9			
	10-30	10	3			
	50		1			
8	125-175	25	3	4100-8	4100-18	4100-28
	200-250	50	2			
	300-500	100	3			

## INDIVIDUAL STEEL GAGE BLOCKS

**CUSTOM-MADE**  
CAN SUPPLY ANY SIZES FROM 0.5 TO 1000MM,  
SUCH AS 72.672MM



4101-A70



4101-A200

- Grade 0, 1 and 2 gage blocks are available
- Made of alloy steel
- Meet ISO3650
- Gage blocks  $\geq 125$ mm have clamping holes
- Supplied with manufacturer inspection certificate

Dimension: (mm)

Size (L)	W	H
$0.5 \leq L \leq 10$ mm	9	30
$L > 10$ mm	9	35

Grade 0 (mm)

Code	Size
4101-A1	1
4101-A10	10
4101-A100	100

Grade 2 (mm)

Code	Size
4101-C1	1
4101-C10	10
4101-C100	100
4101-C200	200
4101-C250	250
4101-C300	300

Grade 1 (mm)		Grade 1 (mm)		Grade 1 (mm)		Grade 1 (mm)		Grade 1 (mm)	
Code	Size	Code	Size	Code	Size	Code	Size	Code	Size
4101-BD5	0.5	4101-B1D12	1.12	4101-B1D4	1.4	4101-B5	5	4101-B22	22
4101-B1	1	4101-B1D15	1.15	4101-B1D42	1.42	4101-B5D5	5.5	4101-B23	23
4101-B1D001	1.001	4101-B1D16	1.16	4101-B1D43	1.43	4101-B6	6	4101-B25	25
4101-B1D002	1.002	4101-B1D18	1.18	4101-B1D45	1.45	4101-B7	7	4101-B30	30
4101-B1D003	1.003	4101-B1D19	1.19	4101-B1D46	1.46	4101-B7D5	7.5	4101-B35	35
4101-B1D004	1.004	4101-B1D2	1.2	4101-B1D47	1.47	4101-B8	8	4101-B40	40
4101-B1D005	1.005	4101-B1D21	1.21	4101-B1D48	1.48	4101-B8D5	8.5	4101-B45	45
4101-B1D006	1.006	4101-B1D22	1.22	4101-B1D49	1.49	4101-B9	9	4101-B50	50
4101-B1D009	1.009	4101-B1D24	1.24	4101-B1D5	1.5	4101-B9D5	9.5	4101-B60	60
4101-B1D01	1.01	4101-B1D25	1.25	4101-B1D6	1.6	4101-B10	10	4101-B70	70
4101-B1D02	1.02	4101-B1D26	1.26	4101-B1D7	1.7	4101-B11	11	4101-B75	75
4101-B1D03	1.03	4101-B1D27	1.27	4101-B1D8	1.8	4101-B12	12	4101-B80	80
4101-B1D04	1.04	4101-B1D3	1.3	4101-B1D9	1.9	4101-B13	13	4101-B90	90
4101-B1D05	1.05	4101-B1D32	1.32	4101-B2	2	4101-B14	14	4101-B100	100
4101-B1D06	1.06	4101-B1D33	1.33	4101-B2D5	2.5	4101-B15	15	4101-B125	125
4101-B1D07	1.07	4101-B1D34	1.34	4101-B3	3	4101-B16	16	4101-B131D4	131.4
4101-B1D08	1.08	4101-B1D35	1.35	4101-B3D5	3.5	4101-B18	18	4101-B150	150
4101-B1D09	1.09	4101-B1D36	1.36	4101-B4	4	4101-B20	20		
4101-B1D1	1.1	4101-B1D37	1.37	4101-B4D5	4.5	4101-B21	21		

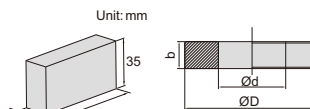
### CALIPER INSPECTION GAGE BLOCK AND RING GAGE SET



- Gage blocks meet ISO3650/grade 2
- Ring gages meet DIN2250-1:2008
- Supplied with manufacturer inspection certificate



4176-30



Ring gage sizes:

diameter (Ød)*	b	ØD
Ø4mm	5mm	22mm
Ø25mm	14mm	53mm

\* The size of the ring gage when supplied may have deviation. For example, the size Ø25mm may be 24.996mm

(mm)

Code	Material	Gage blocks included in set (L)	Ring gages included in set (Ød)	Applicable calipers
4176-30	alloy steel	30, 41.3, 131.4	4, 25	0-150

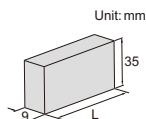
### CALIPER INSPECTION GAGE BLOCK SET



- Meet ISO3650/grade 2
- Supplied with manufacturer inspection certificate



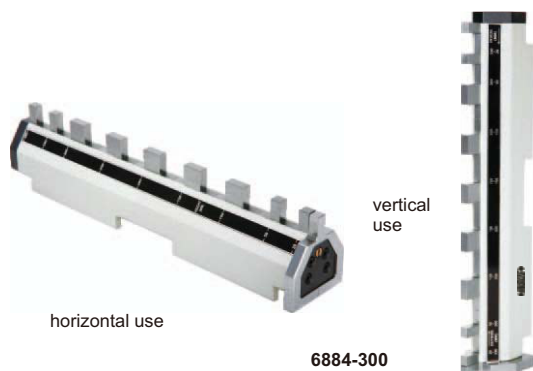
4108-3005



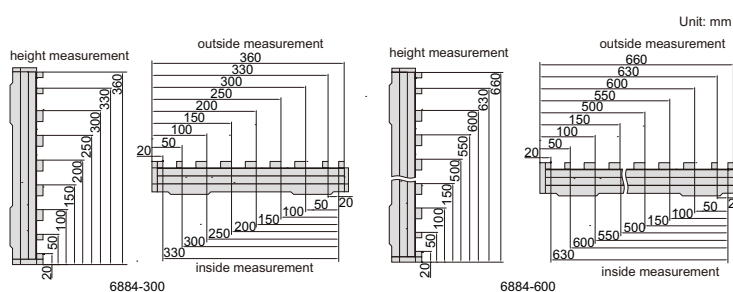
(mm)

Code	Material	Gage blocks included in set (L)	Applicable calipers
4108-3005	alloy steel	30, 41.3, 131.4, 243.5, 281.2	0-150, 0-200, 0-300

### CALIPER/HEIGHT GAGE CHECKERS

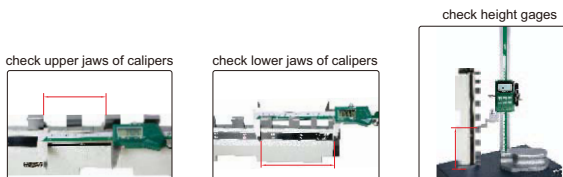


6884-300



6884-300

6884-600



- To check calipers and height gages
- Constructed with steel gage blocks

(mm)

Code	Size	Range of inside measurement	Range of outside measurement	Range of height measurement	Accuracy
6884-300*	0-300mm	20, 50, 100, 150, 200, 250, 300, 330	20, 50, 100, 150, 200, 250, 300, 330, 360	20, 50, 100, 150, 200, 250, 300, 330, 360	±3µm
6884-600*	0-600mm	20, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 630	20, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 630, 660	20, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 630, 660	±5µm

\*Supplied with manufacturer inspection certificate

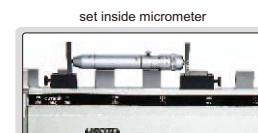
### INSIDE MICROMETER ACCESSORIES

Code	Applicable caliper/height gage checker
6884-A3*	0-300mm/0-600mm
6884-A10*	0-1000mm



6884-A3

- Supplied with a pair of 5mm carbide gage blocks



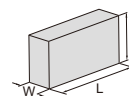
\*Supplied with manufacturer inspection certificate

## MICROMETER INSPECTION GAGE BLOCK SET



- Meet ISO3650/grade 0
- One piece of optical flat is included (size  $\varnothing 30 \times 12 \text{mm}$ )
- Supplied with manufacturer inspection certificate

optical flat (included)



Dimension:

Size (L)	W	H
$0.5 \leq L \leq 10 \text{mm}$	9mm	30mm
$L > 10 \text{mm}$	9mm	35mm



4160-10

application



Code	Material	Gage blocks included in set	Applicable micrometer
4160-10	alloy steel	2.5mm, 5.1mm, 7.7mm, 10.3mm, 12.9mm, 15mm, 17.6mm, 20.2mm, 22.8mm, 25mm	0-25mm

## PIN GAGE HANDLES



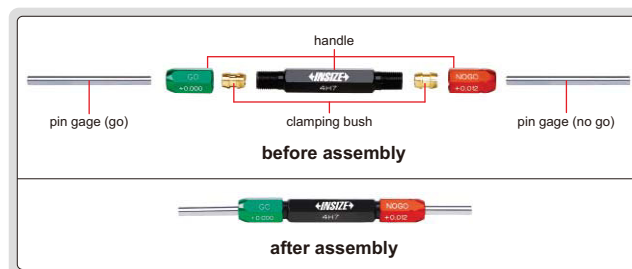
handle



brass clamping bush (0.2~7.14mm)



aluminum clamping bush (7.14~25.65mm)



- Wrench is needed to install pins
- Clamping bushes (0.2~7.14mm) are made of brass, clamping bushes (7.14~25.65mm) are made of aluminum

Code	Applicable pin gage diameter	Including	
		Handle	Clamping bush (mm)
7341-0S	0.2-1.02mm	1 pc	6 pairs (the clamping range are 0.2-0.38, 0.38-0.51, 0.51-0.64, 0.64-0.76, 0.76-0.89, 0.89-1.02)
7341-1S	1.02-1.91mm	1 pc	7 pairs (the clamping range are 1.02-1.14, 1.14-1.27, 1.27-1.40, 1.40-1.52, 1.52-1.65, 1.65-1.78, 1.78-1.91)
7341-2S	1.91-3.33mm	1 pc	8 pairs (the clamping range are 1.91-2.08, 2.08-2.26, 2.26-2.44, 2.44-2.62, 2.62-2.79, 2.79-2.97, 2.97-3.15, 3.15-3.33)
7341-3S	3.33-4.57mm	1 pc	7 pairs (the clamping range are 3.33-3.51, 3.51-3.68, 3.68-3.86, 3.86-4.04, 4.04-4.22, 4.22-4.39, 4.39-4.57)
7341-4S	4.57-5.79mm	1 pc	6 pairs (the clamping range are 4.57-4.78, 4.78-4.98, 4.98-5.18, 5.18-5.38, 5.38-5.59, 5.59-5.79)
7341-5S	5.79-7.14mm	1 pc	6 pairs (the clamping range are 5.79-5.99, 5.99-6.20, 6.20-6.40, 6.40-6.63, 6.63-6.88, 6.88-7.14)
7341-6S	7.14-8.66mm	1 pc	6 pairs (the clamping range are 7.14-7.39, 7.39-7.65, 7.65-7.90, 7.90-8.15, 8.15-8.41, 8.41-8.66)

Code	Applicable pin gage diameter	Including	
		Handle	Clamping bush (mm)
7341-7S	8.66-10.31mm	1 pc	6 pairs (the clamping range are 8.66-8.92, 8.9-9.17, 9.17-9.42, 9.42-9.70, 9.70-10.01, 10.01-10.31)
7341-8S	10.31-11.81mm	1 pc	4 pairs (the clamping range are 10.31-10.67, 10.67-11.05, 11.05-11.43, 11.43-11.81)
7341-9S	11.81-12.95mm	1 pc	3 pairs (the clamping range are 11.81-12.19, 12.19-12.57, 12.57-12.95)
7341-10S	12.95-14.71mm	1 pc	4 pairs (the clamping range are 12.95-13.51, 13.51-13.89, 13.89-14.30, 14.30-14.71)
7341-11S	14.71-16.13mm	1 pc	4 pairs (the clamping range are 14.71-15.09, 15.09-15.49, 15.49-15.88, 15.88-16.13)
7341-12S	16.13-17.88mm	1 pc	4 pairs (the clamping range are 16.13-16.66, 16.66-17.07, 17.07-17.48, 17.48-17.88)
7341-13S	17.88-19.30mm	1 pc	4 pairs (the clamping range are 17.88-18.26, 18.26-18.67, 18.67-19.05, 19.05-19.30)
7341-15S	19.30-25.65mm	1 pc	8 pairs (the clamping range are 19.30-19.84, 19.84-20.62, 20.62-21.41, 21.41-22.23, 22.23-23.03, 23.03-23.80, 23.80-24.59, 24.59-25.65)

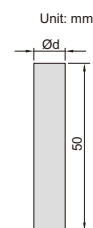
## PIN GAGE SETS

Code	Diameter Ød	Step	Pin gages per set
4166-411	1.0mm, 1.1mm, 1.2mm, ..., 5.0mm	0.1mm	41
4166-511	5.0mm, 5.1mm, 5.2mm, ..., 10.0mm	0.1mm	51
4166-512	10.0mm, 10.1mm, 10.2mm, ..., 15.0mm	0.1mm	51
4166-513	15.0mm, 15.1mm, 15.2mm, ..., 20.0mm	0.1mm	51

Code	Diameter Ød	Step	Pin gages per set
4166-2S	1.00mm, 1.01mm, 1.02mm, ..., 2.00mm	0.01mm	101
4166-3S	2.00mm, 2.01mm, 2.02mm, ..., 3.00mm	0.01mm	101
4166-4S	3.00mm, 3.01mm, 3.02mm, ..., 4.00mm	0.01mm	101
4166-5S	4.00mm, 4.01mm, 4.02mm, ..., 5.00mm	0.01mm	101
4166-6S	5.00mm, 5.01mm, 5.02mm, ..., 6.00mm	0.01mm	101
4166-7S	6.00mm, 6.01mm, 6.02mm, ..., 7.00mm	0.01mm	101
4166-8S	7.00mm, 7.01mm, 7.02mm, ..., 8.00mm	0.01mm	101
4166-9S	8.00mm, 8.01mm, 8.02mm, ..., 9.00mm	0.01mm	101
4166-10S	9.00mm, 9.01mm, 9.02mm, ..., 10.00mm	0.01mm	101



4166-6D



- Meet DIN2269, grade 1
- Made of alloy steel
- Hardness HRC62-65
- Diameter accuracy:  $\pm 1\mu\text{m}$

Code	Diameter Ød	Step	Pin gages per set
4166-0D	0.20mm, 0.21mm, 0.22mm, ..., 0.50mm	0.01mm	31
4166-1	0.50mm, 0.51mm, 0.52mm, ..., 1.00mm	0.01mm	51
4166-1D	1.00mm, 1.01mm, 1.02mm, ..., 1.50mm	0.01mm	51
4166-2	1.50mm, 1.51mm, 1.52mm, ..., 2.00mm	0.01mm	51
4166-2D	2.00mm, 2.01mm, 2.02mm, ..., 2.50mm	0.01mm	51
4166-3	2.50mm, 2.51mm, 2.52mm, ..., 3.00mm	0.01mm	51
4166-3D	3.00mm, 3.01mm, 3.02mm, ..., 3.50mm	0.01mm	51
4166-4	3.50mm, 3.51mm, 3.52mm, ..., 4.00mm	0.01mm	51
4166-4D	4.00mm, 4.01mm, 4.02mm, ..., 4.50mm	0.01mm	51
4166-5	4.50mm, 4.51mm, 4.52mm, ..., 5.00mm	0.01mm	51
4166-5D	5.00mm, 5.01mm, 5.02mm, ..., 5.50mm	0.01mm	51
4166-6	5.50mm, 5.51mm, 5.52mm, ..., 6.00mm	0.01mm	51
4166-6D	6.00mm, 6.01mm, 6.02mm, ..., 6.50mm	0.01mm	51
4166-7	6.50mm, 6.51mm, 6.52mm, ..., 7.00mm	0.01mm	51
4166-7D	7.00mm, 7.01mm, 7.02mm, ..., 7.50mm	0.01mm	51
4166-8	7.50mm, 7.51mm, 7.52mm, ..., 8.00mm	0.01mm	51
4166-8D	8.00mm, 8.01mm, 8.02mm, ..., 8.50mm	0.01mm	51
4166-9	8.50mm, 8.51mm, 8.52mm, ..., 9.00mm	0.01mm	51
4166-9D	9.00mm, 9.01mm, 9.02mm, ..., 9.50mm	0.01mm	51
4166-10	9.50mm, 9.51mm, 9.52mm, ..., 10.00mm	0.01mm	51

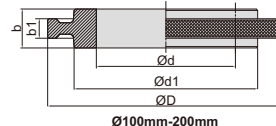
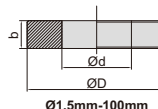
Code	Diameter Ød	Step	Pin gages per set
4166-10D	10.00mm, 10.01mm, 10.02mm, ..., 10.50mm	0.01mm	51
4166-11	10.50mm, 10.51mm, 10.52mm, ..., 11.00mm	0.01mm	51
4166-11D	11.00mm, 11.01mm, 11.02mm, ..., 11.50mm	0.01mm	51
4166-12	11.50mm, 11.51mm, 11.52mm, ..., 12.00mm	0.01mm	51
4166-12D	12.00mm, 12.01mm, 12.02mm, ..., 12.50mm	0.01mm	51
4166-13	12.50mm, 12.51mm, 12.52mm, ..., 13.00mm	0.01mm	51
4166-13D	13.00mm, 13.01mm, 13.02mm, ..., 13.50mm	0.01mm	51
4166-14	13.50mm, 13.51mm, 13.52mm, ..., 14.00mm	0.01mm	51
4166-14D	14.00mm, 14.01mm, 14.02mm, ..., 14.50mm	0.01mm	51
4166-15	14.50mm, 14.51mm, 14.52mm, ..., 15.00mm	0.01mm	51
4166-15D	15.00mm, 15.01mm, 15.02mm, ..., 15.50mm	0.01mm	51
4166-16	15.50mm, 15.51mm, 15.52mm, ..., 16.00mm	0.01mm	51
4166-16D	16.00mm, 16.01mm, 16.02mm, ..., 16.50mm	0.01mm	51
4166-17	16.50mm, 16.51mm, 16.52mm, ..., 17.00mm	0.01mm	51
4166-17D	17.00mm, 17.01mm, 17.02mm, ..., 17.50mm	0.01mm	51
4166-18	17.50mm, 17.51mm, 17.52mm, ..., 18.00mm	0.01mm	51
4166-18D	18.00mm, 18.01mm, 18.02mm, ..., 18.50mm	0.01mm	51
4166-19	18.50mm, 18.51mm, 18.52mm, ..., 19.00mm	0.01mm	51
4166-19D	19.00mm, 19.01mm, 19.02mm, ..., 19.50mm	0.01mm	51
4166-20	19.50mm, 19.51mm, 19.52mm, ..., 20.00mm	0.01mm	51

## SETTING RINGS

CAN SUPPLY CUSTOM SETTING RINGS FROM Ø1.500MM TO Ø200.000MM, FOR EXAMPLE, Ø17.085MM



6312-20



- For zero setting of inside micrometers, three points internal micrometers and bore gages
- Deviation (difference between the ordered size and the size marked on the setting ring when supplied):  
For example, the ordered size is Ø10.125mm, the size marked on the setting ring when supplied may be Ø10.127mm
- Meet DIN2250-1:2008

(mm)

Diameter d**	b	D	Deviation	Roundness and cylindricity
Ø1.5-2.5	4mm	22mm	±10.0µm	0.3µm
Ø2.5-3	5mm	22mm	±10.0µm	0.3µm
Ø3-5	5mm	22mm	±10.0µm	0.4µm
Ø5-10	8mm	32mm	±10.0µm	0.4µm
Ø10-15	10mm	38mm	±10.0µm	0.5µm
Ø15-18	12mm	45mm	±10.0µm	0.5µm
Ø18-20	12mm	45mm	±10.0µm	0.6µm
Ø20-25	14mm	53mm	±10.0µm	0.6µm
Ø25-30	16mm	63mm	±10.0µm	0.6µm
Ø30-32	16mm	63mm	±10.0µm	0.7µm
Ø32-40	18mm	71mm	±10.0µm	0.7µm
Ø40-50	20mm	85mm	±10.0µm	0.7µm
Ø50-60	20mm	100mm	±10.0µm	0.8µm
Ø60-70	24mm	112mm	±10.0µm	0.8µm
Ø70-80	24mm	125mm	±10.0µm	0.8µm
Ø80-90	24mm	140mm	±10.0µm	1.0µm
Ø90-100	24mm	160mm	±10.0µm	1.0µm

(mm)

Diameter d**	b	b1	d1	D	Deviation	Roundness and cylindricity
Ø100-110	28	14	132	170	±10.0µm	1.0µm
Ø110-120	28	16	140	180	±10.0µm	1.0µm
Ø120-130	28	16	150	190	±10.0µm	1.2µm
Ø130-140	28	18	160	200	±10.0µm	1.2µm
Ø140-150	28	18	170	212	±10.0µm	1.2µm
Ø150-160	28	20	180	224	±10.0µm	1.2µm
Ø160-170	32	20	190	236	±10.0µm	1.2µm
Ø170-180	32	20	200	250	±10.0µm	1.2µm
Ø180-190	32	22	212	265	±10.0µm	1.4µm
Ø190-200	32	22	224	280	±10.0µm	1.4µm
Ø200-212	32	22	236	300	±10.0µm	1.4µm
Ø212-224	32	25	250	315	±10.0µm	1.4µm
Ø224-236	36	25	265	335	±10.0µm	1.4µm
Ø236-250	36	28	280	355	±10.0µm	1.4µm
Ø250-265	36	28	300	375	±10.0µm	1.6µm
Ø265-280	36	28	315	400	±10.0µm	1.6µm
Ø280-300	36	32	335	425	±10.0µm	1.6µm
Ø300-315	36	32	355	450	±10.0µm	1.6µm

\*\* For example Ø3-5mm means Ø3mm < diameter d ≤ Ø5mm

Code	Size
6312-1D5*	Ø1.5mm
6312-2*	Ø2mm
6312-2D5*	Ø2.5mm
6312-3*	Ø3mm
6312-3D5*	Ø3.5mm
6312-4*	Ø4mm
6312-4D5*	Ø4.5mm
6312-5*	Ø5mm
6312-5D5*	Ø5.5mm
6312-6*	Ø6mm
6312-6D5*	Ø6.5mm
6312-7*	Ø7mm
6312-7D5*	Ø7.5mm
6312-8*	Ø8mm
6312-8D5*	Ø8.5mm
6312-9*	Ø9mm
6312-9D5*	Ø9.5mm
6312-10*	Ø10mm
6312-10D5*	Ø10.5mm
6312-11*	Ø11mm
6312-11D5*	Ø11.5mm
6312-12*	Ø12mm
6312-12D5*	Ø12.5mm
6312-13*	Ø13mm
6312-13D5*	Ø13.5mm
6312-14*	Ø14mm
6312-14D5*	Ø14.5mm

Code	Size
6312-15*	Ø15mm
6312-15D5*	Ø15.5mm
6312-16*	Ø16mm
6312-16D5*	Ø16.5mm
6312-17*	Ø17mm
6312-17D5*	Ø17.5mm
6312-18*	Ø18mm
6312-18D5*	Ø18.5mm
6312-19*	Ø19mm
6312-19D5*	Ø19.5mm
6312-20*	Ø20mm
6312-20D5*	Ø20.5mm
6312-21*	Ø21mm
6312-21D5*	Ø21.5mm
6312-22*	Ø22mm
6312-22D5*	Ø22.5mm
6312-23*	Ø23mm
6312-23D5*	Ø23.5mm
6312-24*	Ø24mm
6312-24D5*	Ø24.5mm
6312-25*	Ø25mm
6312-25D5*	Ø25.5mm
6312-26*	Ø26mm
6312-26D5*	Ø26.5mm
6312-27*	Ø27mm
6312-27D5*	Ø27.5mm
6312-28*	Ø28mm

Code	Size
6312-28D5*	Ø28.5mm
6312-29*	Ø29mm
6312-29D5*	Ø29.5mm
6312-30*	Ø30mm
6312-31*	Ø31mm
6312-32*	Ø32mm
6312-33*	Ø33mm
6312-34*	Ø34mm
6312-35*	Ø35mm
6312-36*	Ø36mm
6312-37*	Ø37mm
6312-38*	Ø38mm
6312-39*	Ø39mm
6312-40*	Ø40mm
6312-41*	Ø41mm
6312-42*	Ø42mm
6312-43*	Ø43mm
6312-44*	Ø44mm
6312-45*	Ø45mm
6312-46*	Ø46mm
6312-47*	Ø47mm
6312-48*	Ø48mm
6312-49*	Ø49mm
6312-50*	Ø50mm
6312-55*	Ø55mm
6312-60*	Ø60mm
6312-62*	Ø62mm

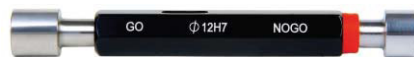
Code	Size
6312-65*	Ø65mm
6312-70*	Ø70mm
6312-75*	Ø75mm
6312-80*	Ø80mm
6312-85*	Ø85mm
6312-87*	Ø87mm
6312-90*	Ø90mm
6312-95*	Ø95mm
6312-100*	Ø100mm
6312-112D5*	Ø112.5mm
6312-125*	Ø125mm
6312-137D5*	Ø137.5mm
6312-150*	Ø150mm
6312-162D5*	Ø162.5mm
6312-175*	Ø175mm
6312-187D5*	Ø187.5mm
6312-200*	Ø200mm
6312-212D5*	Ø212.5mm
6312-225*	Ø225mm
6312-237D5*	Ø237.5mm
6312-250*	Ø250mm
6312-262D5*	Ø262.5mm
6312-275*	Ø275mm
6312-287D5*	Ø287.5mm
6312-300*	Ø300mm

\* Supplied with manufacturer inspection certificate

## PLAIN PLUG GAGES

**CUSTOM-MADE**  
OTHER CLASSES ARE AVAILABLE, SUCH AS H8, H9  
OTHER DIAMETERS ARE AVAILABLE, SUCH AS 19.003mm  
OTHER LENGTHS ARE AVAILABLE, SUCH AS 70mm

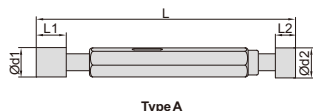
- Supplied with Go and No-Go gages together
- Class H7
- Hardness HRC 60±2
- Standard DIN7150-2



4124-12



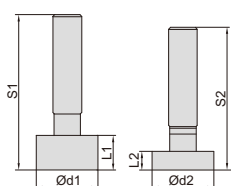
Type A



Type A



Type B



Type B

### Size tolerance of H7

(mm)

Diameter Ød	Type	Size tolerance of Go gage (µm)	Size tolerance of No-Go gage (µm)	L1	L2	L	S1, S2
≥2, ≤3	A	+0.5 / +2.5	+9 / +11	6.5	4.5	62	–
>3, ≤6	A	+0.75 / +3.25	+10.75 / +13.25	8	6	74	–
>6, ≤10	A	+0.75 / +3.25	+13.75 / +16.25	10	7	87	–
>10, ≤14	A	+1 / +4	+16.5 / +19.5	12	8	99	–
>14, ≤18	A	+1 / +4	+16.5 / +19.5	14	10	114	–
>18, ≤24	A	+1 / +5	+19 / +23	16	12	132	–
>24, ≤30	A	+1 / +5	+19 / +23	18	14	136	–
>30, ≤40	A	+1.5 / +5.5	+23 / +27	20	15	155	–
>40, ≤50	A	+1.5 / +5.5	+23 / +27	25	18	169	–
>50, ≤65	B	+1.5 / +6.5	+27.5 / +32.5	30	18	–	164, 152
>65, ≤80	B	+1.5 / +6.5	+27.5 / +32.5	35	25	–	169, 159
>80, ≤100	B	+2 / +8	+32 / +38	35	25	–	169, 159

Code	Diameter	Type	Code	Diameter	Type	Code	Diameter	Type	Code	Diameter	Type	Code	Diameter	Type
4124-2	2mm	A	4124-13	13mm	A	4124-24	24mm	A	4124-38	38mm	A	4124-52	52mm	B
4124-3	3mm	A	4124-14	14mm	A	4124-25	25mm	A	4124-39	39mm	A	4124-55	55mm	B
4124-4	4mm	A	4124-15	15mm	A	4124-26	26mm	A	4124-40	40mm	A	4124-60	60mm	B
4124-5	5mm	A	4124-16	16mm	A	4124-28	28mm	A	4124-41	41mm	A	4124-65	65mm	B
4124-6	6mm	A	4124-17	17mm	A	4124-29	29mm	A	4124-42	42mm	A	4124-70	70mm	B
4124-7	7mm	A	4124-18	18mm	A	4124-30	30mm	A	4124-44	44mm	A	4124-75	75mm	B
4124-8	8mm	A	4124-19	19mm	A	4124-31	31mm	A	4124-45	45mm	A	4124-80	80mm	B
4124-9	9mm	A	4124-20	20mm	A	4124-32	32mm	A	4124-46	46mm	A	4124-85	85mm	B
4124-10	10mm	A	4124-21	21mm	A	4124-34	34mm	A	4124-47	47mm	A	4124-100	100mm	B
4124-11	11mm	A	4124-22	22mm	A	4124-35	35mm	A	4124-49	49mm	A			
4124-12	12mm	A	4124-23	23mm	A	4124-36	36mm	A	4124-50	50mm	A			

## METRIC THREAD PLUG GAGES



ATTENTION: LIFE TIME IS LIMITED

- Supplied with Go and No-Go gages together
- Class 6H
- Standard ISO1502



4130-10

### Individual

Code	Size (mm)	Code	Size (mm)	Code	Size (mm)	Code	Size (mm)
4130-2*	M2x0.4	4130-8*	M8x1.25	4130-20*	M20x2.5	4130-42*	M42x4.5
4130-2D5*	M2.5x0.45	4130-9*	M9x1.25	4130-22*	M22x2.5	4130-45*	M45x4.5
4130-3*	M3x0.5	4130-10*	M10x1.5	4130-24*	M24x3	4130-48*	M48x5
4130-3D5*	M3.5x0.6	4130-11*	M11x1.5	4130-27*	M27x3	4130-52*	M52x5
4130-4*	M4x0.7	4130-12*	M12x1.75	4130-30*	M30x3.5	4130-56*	M56x5.5
4130-5*	M5x0.8	4130-14*	M14x2	4130-33*	M33x3.5	4130-60*	M60x5.5
4130-6*	M6x1	4130-16*	M16x2	4130-36*	M36x4		
4130-7*	M7x1	4130-18*	M18x2.5	4130-39*	M39x4		

### Set

Code	Thread plug gages included
4130-S7*	M3x0.5 (4130-3), M4x0.7 (4130-4), M5x0.8 (4130-5), M6x1 (4130-6), M8x1.25 (4130-8), M10x1.5 (4130-10), M12x1.75 (4130-12)

\*Supplied with manufacturer inspection certificate

## METRIC FINE THREAD PLUG GAGES



ATTENTION: LIFE TIME IS LIMITED

- Supplied with Go and No-Go gages together
- Class 6H
- Standard ISO1502



4139-20P

Code	Size (mm)	Code	Size (mm)	Code	Size (mm)	Code	Size (mm)	Code	Size (mm)	Code	Size (mm)
4139-3D*	M3x0.35	4139-9P*	M9x1	4139-14L*	M14x0.75	4139-20R*	M20x1.5	4139-30P*	M30x1	4139-42P*	M42x1
4139-4G*	M4x0.5	4139-10G*	M10x0.5	4139-14P*	M14x1	4139-20T*	M20x2	4139-30R*	M30x1.5	4139-42R*	M42x1.5
4139-5G*	M5x0.5	4139-10L*	M10x0.75	4139-14Q*	M14x1.25	4139-22L*	M22x0.75	4139-30T*	M30x2	4139-42T*	M42x2
4139-6G*	M6x0.5	4139-10P*	M10x1	4139-14R*	M14x1.5	4139-22P*	M22x1	4139-33P*	M33x1	4139-42V*	M42x3
4139-6L*	M6x0.75	4139-10Q*	M10x1.25	4139-16L*	M16x0.75	4139-22R*	M22x1.5	4139-33R*	M33x1.5	4139-45P*	M45x1
4139-7G*	M7x0.5	4139-11P*	M11x1	4139-16P*	M16x1	4139-22T*	M22x2	4139-33T*	M33x2	4139-45R*	M45x1.5
4139-7L*	M7x0.75	4139-12G*	M12x0.5	4139-16R*	M16x1.5	4139-24P*	M24x1	4139-36R*	M36x1.5	4139-45T*	M45x2
4139-8G*	M8x0.5	4139-12L*	M12x0.75	4139-18G*	M18x0.5	4139-24R*	M24x1.5	4139-36T*	M36x2	4139-45V*	M45x3
4139-8L*	M8x0.75	4139-12P*	M12x1	4139-18L*	M18x0.75	4139-24T*	M24x2	4139-36V*	M36x3		
4139-8P*	M8x1	4139-12Q*	M12x1.25	4139-18P*	M18x1	4139-27P*	M27x1	4139-39R*	M39x1.5		
4139-9G*	M9x0.5	4139-12R*	M12x1.5	4139-18R*	M18x1.5	4139-27R*	M27x1.5	4139-39T*	M39x2		
4139-9L*	M9x0.75	4139-14G*	M14x0.5	4139-20P*	M20x1	4139-27T*	M27x2	4139-39V*	M39x3		

\*Supplied with manufacturer inspection certificate

## METRIC THREAD RING GAGES

- Go and No-Go gages are supplied separately
- Class 6g
- Standard ISO1502



4120-16

4120-16N

ATTENTION: LIFE TIME IS LIMITED



### Individual

Code (GO)	Code (NOGO)	Size (mm)	Code (GO)	Code (NOGO)	Size (mm)
4120-2*	4120-2N*	M2x0.4	4120-11*	4120-11N*	M11x1.5
4120-2D2*	4120-2D2N*	M2.2x0.45	4120-12*	4120-12N*	M12x1.75
4120-2D5*	4120-2D5N*	M2.5x0.45	4120-14*	4120-14N*	M14x2
4120-3*	4120-3N*	M3x0.5	4120-16*	4120-16N*	M16x2
4120-3D5*	4120-3D5N*	M3.5x0.6	4120-18*	4120-18N*	M18x2.5
4120-4*	4120-4N*	M4x0.7	4120-20*	4120-20N*	M20x2.5
4120-5*	4120-5N*	M5x0.8	4120-22*	4120-22N*	M22x2.5
4120-6*	4120-6N*	M6x1	4120-24*	4120-24N*	M24x3
4120-7*	4120-7N*	M7x1	4120-27*	4120-27N*	M27x3
4120-8*	4120-8N*	M8x1.25	4120-30*	4120-30N*	M30x3.5
4120-9*	4120-9N*	M9x1.25	4120-33*	4120-33N*	M33x3.5
4120-10*	4120-10N*	M10x1.5			

### Go ring gage set

Code	Thread ring gages included
4120-S7*	M3x0.5 (4120-3), M4x0.7 (4120-4), M5x0.8 (4120-5), M6x1 (4120-6), M8x1.25 (4120-8), M10x1.5 (4120-10), M12x1.75 (4120-12)

### No Go ring gage set

Code	Thread ring gages included
4120-S7N*	M3x0.5 (4120-3N), M4x0.7 (4120-4N), M5x0.8 (4120-5N), M6x1 (4120-6N), M8x1.25 (4120-8N), M10x1.5 (4120-10N), M12x1.75 (4120-12N)

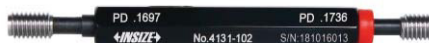
\*Supplied with manufacturer inspection certificate

## AMERICAN STANDARD THREAD PLUG GAGES



ATTENTION: LIFE TIME IS LIMITED

- Supplied with Go and No-Go gages together
- Class 2B
- Standard ANSI/ASME B1.2



4131-102

Code	Size
4131-41*	4-40UNC
4131-61*	6-32UNC
4131-81*	8-32UNC
4131-102*	10-32UNF
4131-1B1*	1/4-20UNC
4131-1B2*	1/4-28UNF

Code	Size
4131-5D1*	5/16-18UNC
4131-5D2*	5/16-24UNF
4131-3C1*	3/8-16UNC
4131-3C2*	3/8-24UNF
4131-7D2*	7/16-20UNF
4131-1A1*	1/2-13UNC

Code	Size
4131-1A2*	1/2-20UNF
4131-9D2*	9/16-18UNF
4131-5C1*	5/8-11UNC
4131-5C2*	5/8-18UNF
4131-3B1*	3/4-10UNC
4131-3B2*	3/4-16UNF

\*Supplied with manufacturer inspection certificate

## AMERICAN STANDARD THREAD RING GAGES

ATTENTION: LIFE TIME IS LIMITED



- Class 2A
- Standard ANSI/ASME B1.2

4121-1B1

4121-1B1N

Code (GO)	Code (NOGO)	Size
4121-41 *	4121-41N *	4-40UNC
4121-61 *	4121-61N *	6-32UNC
4121-81 *	4121-81N *	8-32UNC
4121-102 *	4121-102N *	10-32UNF
4121-1B1 *	4121-1B1N *	1/4-20UNC
4121-1B2 *	4121-1B2N *	1/4-28UNF

Code (GO)	Code (NOGO)	Size
4121-5D1 *	4121-5D1N *	5/16-18UNC
4121-5D2 *	4121-5D2N *	5/16-24UNF
4121-3C1 *	4121-3C1N *	3/8-16UNC
4121-3C2 *	4121-3C2N *	3/8-24UNF
4121-7D2 *	4121-7D2N *	7/16-20UNF
4121-1A1 *	4121-1A1N *	1/2-13UNC

Code (GO)	Code (NOGO)	Size
4121-1A2 *	4121-1A2N *	1/2-20UNF
4121-9D2 *	4121-9D2N *	9/16-18UNF
4121-5C1 *	4121-5C1N *	5/8-11UNC
4121-5C2 *	4121-5C2N *	5/8-18UNF
4121-3B1 *	4121-3B1N *	3/4-10UNC
4121-3B2 *	4121-3B2N *	3/4-16UNF

\*Supplied with manufacturer inspection certificate

## METRIC FINE THREAD RING GAGES

ATTENTION: LIFE TIME IS LIMITED



- Go and No-Go gages are supplied separately
- Class 6g
- Standard ISO1502

4129-10P

4129-10PN

Code (GO)	Code (NOGO)	Size (mm)
4129-4G *	4129-4GN *	M4x0.5
4129-5G *	4129-5GN *	M5x0.5
4129-6G *	4129-6GN *	M6x0.5
4129-6L *	4129-6LN *	M6x0.75
4129-7L *	4129-7LN *	M7x0.75
4129-8G *	4129-8GN *	M8x0.5
4129-8L *	4129-8LN *	M8x0.75
4129-8P *	4129-8PN *	M8x1
4129-9G *	4129-9GN *	M9x0.5
4129-9L *	4129-9LN *	M9x0.75
4129-9P *	4129-9PN *	M9x1
4129-10G *	4129-10GN *	M10x0.5
4129-10L *	4129-10LN *	M10x0.75
4129-10P *	4129-10PN *	M10x1
4129-10Q *	4129-10QN *	M10x1.25
4129-11G *	4129-11GN *	M11x0.5
4129-11L *	4129-11LN *	M11x0.75
4129-11P *	4129-11PN *	M11x1
4129-12G *	4129-12GN *	M12x0.5
4129-12L *	4129-12LN *	M12x0.75
4129-12P *	4129-12PN *	M12x1
4129-12Q *	4129-12QN *	M12x1.25

Code (GO)	Code (NOGO)	Size (mm)
4129-12R *	4129-12RN *	M12x1.5
4129-14L *	4129-14LN *	M14x0.75
4129-14P *	4129-14PN *	M14x1
4129-14Q *	4129-14QN *	M14x1.25
4129-14R *	4129-14RN *	M14x1.5
4129-16L *	4129-16LN *	M16x0.75
4129-16P *	4129-16PN *	M16x1
4129-16R *	4129-16RN *	M16x1.5
4129-18P *	4129-18PN *	M18x1
4129-18R *	4129-18RN *	M18x1.5
4129-18T *	4129-18TN *	M18x2
4129-20G *	4129-20GN *	M20x0.5
4129-20P *	4129-20PN *	M20x1
4129-20R *	4129-20RN *	M20x1.5
4129-20T *	4129-20TN *	M20x2
4129-22P *	4129-22PN *	M22x1
4129-22R *	4129-22RN *	M22x1.5
4129-22T *	4129-22TN *	M22x2
4129-24P *	4129-24PN *	M24x1
4129-24R *	4129-24RN *	M24x1.5
4129-24T *	4129-24TN *	M24x2
4129-27P *	4129-27PN *	M27x1

Code (GO)	Code (NOGO)	Size (mm)
4129-27R *	4129-27RN *	M27x1.5
4129-27T *	4129-27TN *	M27x2
4129-30P *	4129-30PN *	M30x1
4129-30R *	4129-30RN *	M30x1.5
4129-30T *	4129-30TN *	M30x2
4129-33P *	4129-33PN *	M33x1
4129-33T *	4129-33TN *	M33x2
4129-36P *	4129-36PN *	M36x1
4129-36R *	4129-36RN *	M36x1.5
4129-36T *	4129-36TN *	M36x2
4129-36V *	4129-36VN *	M36x3
4129-39P *	4129-39PN *	M39x1
4129-39T *	4129-39TN *	M39x2
4129-39V *	4129-39VN *	M39x3
4129-42P *	4129-42PN *	M42x1
4129-42R *	4129-42RN *	M42x1.5
4129-42T *	4129-42TN *	M42x2
4129-42V *	4129-42VN *	M42x3
4129-45R *	4129-45RN *	M45x1.5
4129-45T *	4129-45TN *	M45x2
4129-45V *	4129-45VN *	M45x3

\*Supplied with manufacturer inspection certificate