

Plug gauges

Manufactured according DIN 2245, 2246 and 2247. Available from 0.5 to 160 mm; up to 70 mm with Go and NoGo on one handle, over 70 mm in two parts. Prices are for H7 plug gauges with Go and NoGo ends in hardened steel.

- H7 fit size in hardened steel.
- Available from 0.5 to 160 mm; up to 70 mm with Go and NoGo on one handle, over 70 mm in two parts.
- Including wear allowance at the Go end.

Wear allowance

New gauges are supplemented with a wear allowance on the Go end: z (plus) for plug gauges. Accordingly, the size indicated on the handle is not similar to the measured value of the new Go end.

Example: plug gauge 20 H7

New Go end:

size	20.000 mm
wear allowance (+z)	<u>0.003 mm</u>
	20.003 mm
manufacturing tolerance	\pm 0.002 mm
largest value measured	20.005 mm
smallest value measured	20.001 mm

Also available:

- larger sizes,
- without wear allowance,
- many other fit sizes, like H6, H8, P7, G7 etc.,
- hard-chrome plated plug gauges,
- tungsten carbide plug gauges,
- extended plug gauges,
- plug gauges with vent hole,
- plug gauges with easy-entry pilot.



Measuring reports

For all gauges also measuring reports can be ordered.

- ① Inspection report (German) per gauge. Stating of product specifications, measured values after production, used traceable measuring devices, measuring inaccuracy and measuring date. A favourable choice when your quality system does not require traceable certificates.
- ② Traceable certificate (Dutch) with measuring reports of the ordered gauges. Besides stating of the measured values the extra assurance of an external inspection.

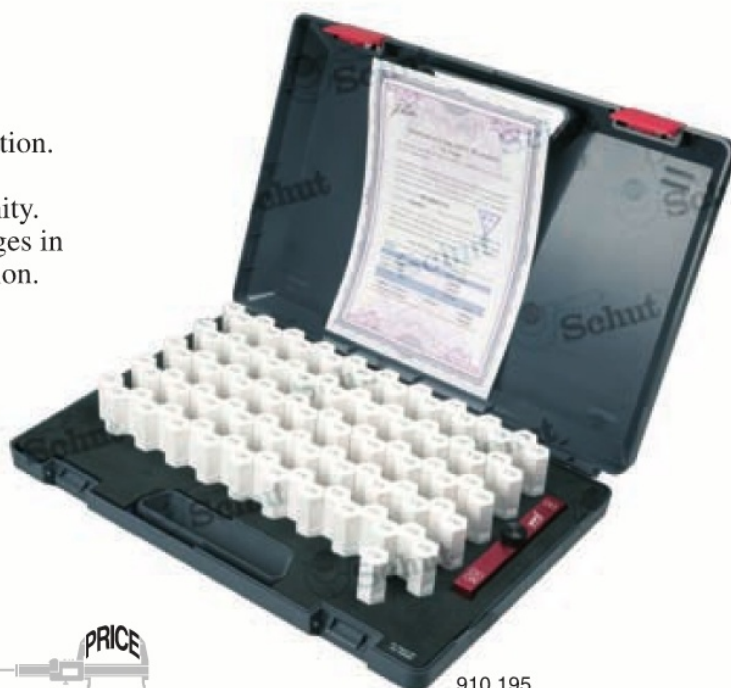
Size H7 mm	Price EUR	Size H7 mm	Price EUR	Size H7 mm	Price EUR	Size H7 mm	Price EUR	Size H7 mm	Price EUR
1	56.00	10	38.10	24	55.00	42	81.00	70	140.00
1.5	52.00	11	39.30	25	56.00	44	86.00	72	146.00
2	45.00	12	41.00	26	57.00	45	88.00	75	152.00
2.5	45.00	13	42.00	27	59.00	46	91.00	78	159.00
3	39.30	14	43.00	28	60.00	47	93.00	80	162.00
3.5	35.40	15	44.00	30	61.00	48	96.00	82	172.00
4	35.40	16	45.00	32	66.00	50	98.00	85	177.00
4.5	35.40	17	46.00	33	68.00	52	103.00	88	185.00
5	33.10	18	48.00	34	70.00	55	108.00	90	190.00
5.5	33.10	19	49.00	35	71.00	58	115.00	92	195.00
6	33.10	20	49.00	36	72.00	60	120.00	95	200.00
7	34.30	21	52.00	37	74.00	62	125.00	98	208.00
8	35.40	22	53.00	38	76.00	65	129.00	100	213.00
9	36.70	23	54.00	40	78.00	68	137.00		

Larger sizes available on request.

PIN GAUGES*Schut for Precision***Pin gauges in sets**

Hardened steel pin gauges in sets with favourable price-performance ratio, very well suited for workshop use. Delivery in plastic case with a declaration of conformity and holder for Go/NoGo determination.

- Hardened steel.
- Diameter range: 0.50 - 20.00 mm.
- Increment: 0.01 mm.
- Accuracy: ± 0.003 mm.
- Without handle.
- Pin gauges $> \phi 1.5$ mm with size indication.
- Length: 50 mm.
- Delivery with a declaration of conformity.
- Delivery in a plastic case with pin gauges in separate plastic tubes with size indication.
- Delivery with holder with Go/NoGo indication.



910.195

NEW

Item No.	Diameter mm	Increment mm	Number per set	Price EUR
910.193	0.50- 1.00	0.01	51	131.00
910.194	1.00- 2.00	0.01	101	167.00
910.195	2.00- 3.00	0.01	101	167.00
910.196	3.00- 4.00	0.01	101	167.00
910.197	4.00- 5.00	0.01	101	167.00
910.198	5.00- 6.00	0.01	101	191.00
910.199	6.00- 7.00	0.01	101	191.00
910.200	7.00- 8.00	0.01	101	191.00
910.201	8.00- 9.00	0.01	101	191.00
910.202	9.00- 10.00	0.01	101	191.00
910.203	10.00- 11.00	0.01	101	243.00
910.204	11.00- 12.00	0.01	101	243.00
910.205	12.00- 13.00	0.01	101	262.00
910.206	13.00- 14.00	0.01	101	262.00
910.207	14.00- 15.00	0.01	101	283.00
910.208	15.00- 16.00	0.01	101	283.00
910.209	16.00- 17.00	0.01	101	377.00
910.210	17.00- 18.00	0.01	101	377.00
910.211	18.00- 19.00	0.01	101	377.00
910.212	19.00- 20.00	0.01	101	472.00
Options:				
910.213	Pin gauge handle Go-NoGo 0.5-13 mm			15.70
910.214	Pin gauge handle			15.70




Schut Geometrical Metrology**PIN GAUGES****Pin gauges**

Swiss made, hardened and ground steel pin gauges, conforms to DIN 2269; available **loose and in sets**.

- Hardened, ground, and seasoned steel (HV 760 ± 50).
- Diameter range:
 - without handle: 0.06 - 20.00 mm,
 - with handle: 0.06 - 10.00 mm.
- Increment: 0.01 mm.
- Accuracy: ±0.0015 mm.
- Pin gauges ø 5.00 - 20.00 mm without handle: indication on head.

**Also available:**

With an accuracy of ±0.0003 or ±0.001 mm;
 – hardened steel ø0.06 - 20.00 mm,
 – tungsten carbide or ceramics ø0.50 - 9.99 mm,
 with 0.01 mm increments. The length may deviate. More information available on request.

Diameter/mm	Length/mm	Price EUR
Pin gauge without handle:		
0.06- 0.09 ¹	30	97.00
0.10- 0.19 ¹	40	70.00
0.20- 0.29 ¹	40	44.00
0.30- 0.49 ¹	40	24.60
0.50- 0.99 ¹	40	13.90
1.00- 2.99	70	10.70
3.00- 4.00	70	13.90
4.01- 5.00	70	13.90
5.01- 5.99	70	13.90
6.00- 9.99	70	18.40
10.00- 11.99	70	22.10
12.00- 13.99	70	25.60
14.00- 15.99	70	31.90
16.00- 18.99	70	38.80
19.00- 20.00	70	45.00
Pin gauge with handle²:		
0.06- 0.09 ¹	23	109.00
0.10- 0.19 ¹	33	82.00
0.20- 0.29 ¹	33	55.00
0.30- 0.49 ¹	33	31.80
0.50- 0.99 ¹	33	21.10
1.00- 2.99	62	17.90
3.00- 4.00	62	33.00
4.01- 5.00	62	33.00
5.01- 5.99	62	33.00

Item No.	Description	Price EUR
Wooden case (tubes not included):		
833.211	For 50 pin gauges ø0.10 - 10.00 mm without handle	
833.704	For 100 pin gauges ø0.10 - 10.00 mm without handle	
833.264	For 50 pin gauges ø0.10 - 10.00 mm with handle	
833.118	For 40 pin gauges ø 10.01 - 15.00 mm	
833.705	For 80 pin gauges ø 10.01 - 15.00 mm	
833.706	For 30 pin gauges ø 15.01 - 20.00 mm	
Pin gauge tube for pin gauges¹:		
833.066	Without handle up to ø0.99 mm	1.80
838.224	Without handle ø 1.00 - 7.00 mm	1.80
838.089	With handle up to ø0.99 mm	1.70

¹ For insert in wooden case.



5.01 - 5.99	62	55.00
6.00 - 10.00	62	37.50

¹ Delivery in plastic transport case.

² The length here indicates the measuring length and not the total length of the pin gauges.



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PIN GAUGES

Schut for Precision

Pin gauges in sets

- Hardened, ground, and seasoned steel (HV 760 ± 50).
- Diameter range: 0.10 - 10.00 mm.
- Increment: 0.01 mm.
- Accuracy: ± 0.0015 mm.
- Without handle.
- Pin gauges ø 5.00 - 10.00 mm: indication on head.
- Length: ø 0.10 - 0.99 mm: 40 mm, ø 1.00 - 10.00 mm: 70 mm.
- Sets with larger diameters and/or with handle are available on request.



Set pin gauges without handle

Item No.	Diameter mm	Increment mm	Number per set	Price* EUR
833.901	0.10 - 1.00	0.01	91	1,717.00
833.902	1.00 - 2.00	0.01	101	1,141.00
833.903	2.00 - 3.00	0.01	101	1,130.00
833.904	3.00 - 4.00	0.01	101	1,403.00
833.905	4.00 - 5.00	0.01	101	1,403.00
833.906	5.00 - 6.00	0.01	101	1,403.00
833.907	6.00 - 7.00	0.01	101	1,717.00
833.908	7.00 - 8.00	0.01	101	1,717.00
833.909	8.00 - 9.00	0.01	101	1,717.00
833.910	9.00 - 10.00	0.01	101	1,717.00
834.190	1.00 - 10.00	0.10	91	1,350.00

* Prices per set, in wooden case.



Individual pin gauges without handle

Pin gauges accessories

Interchangeable handles

- For pin gauges without handle.



Item No.	For diameter/mm	Price EUR
836.043	0.40 - 0.80	7.40
834.172	0.80 - 1.30	7.40
836.044	1.30 - 1.80	7.40

Holders for Go/NoGo determination

- For two pin gauges without handle.
- With NoGo indication.



Item No.	For diameter/mm	Price EUR
833.310	1.00 - 2.00	25.30
833.311	2.00 - 4.00	28.10
833.312	4.00 - 6.00	51.00

836.045	1.80-2.30	7.40
837.615	2.30-2.80	7.40
837.956	2.80-3.30	7.40
837.957	3.30-3.80	7.40
837.958	3.80-4.30	7.40
837.959	4.30-4.80	7.40
837.960	4.80-5.30	7.40

833.313	6.00- 8.00	70.00
833.314	8.00-10.00	79.00



Schut Geometrical Metrology

PLUG GAUGES

Plug gauges

Ground and lapped, hardened tool steel plug gauges with a high accuracy. Available per piece and in sets. Swiss made.

- Diameter range: \varnothing 0.06- 10.00 mm.
- Increment: 0.01 mm.
- Accuracy: \pm 0.0005 mm.
- Hardened tool steel (HV 760 \pm 50).
Ground and lapped.
- Measuring length (and total length):
 - \varnothing 0.06- 0.30 mm: 2 mm (34 mm),
 - \varnothing 0.31- 0.50 mm: 3.5 mm (35.5 mm),
 - \varnothing 0.51- 1.50 mm: 5 mm (37 mm),
 - \varnothing 1.51- 2.00 mm: 6 mm (38 mm),
 - \varnothing 2.01- 3.50 mm: 8 mm (43 mm),
 - \varnothing 3.51- 6.00 mm: 10 mm (55 mm),
 - \varnothing 6.01- 8.00 mm: 14 mm (59 mm),
 - \varnothing 8.01- 10.00 mm: 18 mm (63 mm).
- Size indication on the insulated handle.
- Also available in tungsten carbide and ceramic with an accuracy of \pm 0.001 mm.



Per piece

Diameter/mm	Price EUR
0.06- 0.09	28.10
0.10- 0.19	22.20
0.20- 0.29	20.30
0.30- 0.49	12.70
0.50- 0.99	12.30
1.00- 2.99	12.40
3.00- 5.99	16.20
6.00-10.00	22.10

Sets

Item No.	Diameter mm	Pieces	Price EUR
833.761	0.06- 0.50	45	921.00
833.762	0.51- 1.00	50	726.00
833.763	1.01- 1.50	50	710.00
833.764	1.51- 2.00	50	710.00
833.765	2.01- 2.50	50	710.00
833.766	2.51- 3.00	50	710.00
833.767	3.01- 3.50	50	863.00
833.768	3.51- 4.00	50	863.00
837.311	4.01- 4.50	50	863.00
837.312	4.51- 5.00	50	863.00
837.313	5.01- 5.50	50	863.00
837.314	5.51- 6.00	50	863.00
837.315	6.01- 6.50	50	1,228.00
837.316	6.51- 7.00	50	1,228.00
837.317	7.01- 7.50	50	1,228.00
837.318	7.51- 8.00	50	1,228.00
837.319	8.01- 8.50	50	1,228.00
837.320	8.51- 9.00	50	1,228.00
837.321	9.01- 9.50	50	1,228.00
837.322	9.51-10.00	50	1,228.00



Select setting rings

Setting rings, manufactured according DIN 2250 form C. 1 to 4 mm.

Item No.	Size/mm	Price EUR
833.323	1.00- 1.50	156.00

The size is indicated on the ring to three decimal places.

For all gauges also measuring reports can be ordered.



830.001	1	176.00
830.002	1.2	168.00
830.003	1.5	162.00
830.004	1.8	157.00
830.005	2	151.00
830.006	2.2	147.00
830.007	2.5	141.00
830.008	2.8	136.00
830.009	3	59.00
830.010	4	37.80

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GAUGES

Schut for Precision

Setting rings

Setting rings, manufactured according DIN 2250 form C, 1 to 315 mm.

- DIN 2250 form C.
- Material: hardened steel.
- The size is indicated on the setting rings to three decimal places to 100 mm. From 100 mm the nominal size is indicated in mm and separately the deviation in µm.
- Price on request up to 3 mm.

Also available:

- Higher accuracy,
- in tungsten carbide from 3 to 38 mm,
- form B rings for pneumatic measuring tools,
- intermediate and larger sizes,
- with coating,
- Go and NoGo limit ring gauges.



Size mm	Price EUR	Size mm	Price EUR	Size mm	Price EUR	Size mm	Price EUR	Size mm	Price EUR
1		18	45.00	43	67.00	80	134.00	165	383.00
1.2		19	46.00	44	68.00	82	141.00	170	411.00
1.5		20	47.00	45	69.00	84	147.00	175	438.00
1.8		21	48.00	46	70.00	85	150.00	180	466.00
2		22	48.00	47	72.00	86	161.00	185	494.00
2.2		23	49.00	48	74.00	88	164.00	190	521.00
2.5		24	49.00	49	77.00	90	168.00	195	548.00
2.8		25	51.00	50	78.00	92	174.00	200	575.00
3		26	51.00	52	80.00	94	184.00	210	605.00
3.5	43.00	27	52.00	54	85.00	95	189.00	220	634.00
4	42.00	28	52.00	55	88.00	96	194.00	230	664.00
4.5	42.00	29	53.00	56	90.00	98	197.00	240	693.00
5	41.00	30	54.00	58	92.00	100	201.00	250	777.00
6	41.00	31	55.00	60	94.00	105	211.00	260	808.00
7	41.00	32	55.00	62	97.00	110	221.00	270	840.00
8	41.00	33	56.00	64	106.00	115	231.00	280	871.00
9	41.00	34	56.00	65	107.00	120	241.00	290	903.00
10	41.00	35	57.00	66	109.00	125	251.00	300	935.00
11	41.00	36	57.00	68	112.00	130	261.00	310	971.00
12	42.00	37	58.00	70	114.00	135	271.00	315	985.00
13	43.00	38	59.00	72	118.00	140	281.00		
14	43.00	39	60.00	74	123.00	145	291.00		
15	44.00	40	62.00	75	126.00	150	301.00		

Intermediate sizes over

16	44.00	41	63.00	76	130.00	155	329.00	3 mm are also available
17	45.00	42	65.00	78	132.00	160	356.00	

Measuring reports

For all gauges also measuring reports can be ordered.

- ① Inspection report (German) per gauge. Stating of product specifications, measured values after production, used traceable measuring devices, measuring inaccuracy and measuring date. A favourable choice when your quality system does not require traceable certificates.
- ② Traceable certificate (Dutch) with measuring reports of the ordered gauges. Besides stating of the measured values the extra assurance of an external inspection.

CT12.206-EN.20200831

Schut Geometrical Metrology

GAUGES

Taper gauges

To increase the already large capacity to transmit moments, some taper gauges are furnished with a lip which functions as catch lock.



Morse taper gauges

Indication Morse	Without lip, DIN 229				With lip, DIN 230			
	Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR
	Plug:		Ring:		Plug:		Ring:	
0	832.531	67.00	832.532	167.00	832.552	96.00	832.553	260.00
1	832.533	70.00	832.534	163.00	832.554	99.00	832.555	255.00
2	832.535	78.00	832.536	159.00	832.556	112.00	832.557	250.00
3	832.537	93.00	832.538	192.00	832.558	136.00	832.559	300.00
4	832.539	117.00	832.540	238.00	832.560	167.00	832.561	370.00
5	832.541	174.00	832.542	321.00	832.562	234.00	832.563	501.00
6	832.543	235.00	832.544	509.00	832.564	344.00	832.565	821.00

Metric taper gauges

Indication metric	Without lip, DIN 234				With lip, DIN 235			
	Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR
	Plug		Ring		Plug		Ring	

4	804.001	87.00	804.011	269.00	–	–	–	–
6	804.002	87.00	804.012	269.00	–	–	–	–
80	804.003	417.00	804.013	878.00	804.021	547.00	804.031	1,429.00
100	804.004	652.00	804.014	1,182.00	804.022	860.00	804.032	1,939.00
120	804.005	978.00	804.015	1,851.00	804.023	1,243.00	804.033	2,760.00

Short taper gauges

Indica- tion SK	Plug, DIN 2079		Ring, DIN 2080	
	Item No.	Price EUR	Item No.	Price EUR
30	832.568	150.00	832.569	242.00
40	832.570	184.00	832.571	317.00
50	832.572	259.00	832.573	526.00
60	832.574	521.00	832.575	893.00



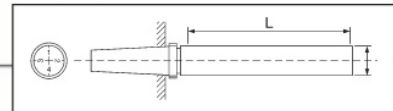
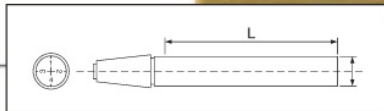
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GAUGES

Schut for Precision

Measuring mandrels

The cylinders are hollow and have four marks on the cylinder wall near the thread and numbered marks in successive distances of 90° on the face. The cylinder and the front face are ground and lapped. The hardness is (60±2) HRc.



Measuring mandrels with internal thread, without external screw thread and nut

Item No.	Cone	Dimensions cylinder		Price
		ø/mm	length/mm	EUR
832.591	Sc 20	24	150	
832.592	Sc 30	32	200	
832.593	Sc 30	32	300	
832.594	Sc 40	40	300	

Measuring mandrels without draw bar thread, with external screw thread and nut

Item No.	Cone	Dimensions cylinder		Price
		ø/mm	length/mm	EUR
832.581	Mc 0	12	75	
832.582	Mc 1	12	75	
832.583	Mc 2	24	150	
832.584	Mc 3	32	200	

832.595	Sc 45	40	300
832.596	Sc 50	40	300
832.597	Sc 50	63	500

832.585	Mc 4	40	300
832.586	Mc 5	40	300
832.587	Mc 6	63	500
832.588	Mec 80	80	500

Specifications of the accuracy:
 straightness of the cylinder $\leq 3 \mu\text{m}$, out of roundness $\leq 3 \mu\text{m}$, eccentricity $\leq 3 \mu\text{m}$.

Other models are available.

Gauges for keyway depths on shafts

- With interchangeable gauge parts.
- Available in all common fits.
- Prices available on request.



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Schut Geometrical Metrology

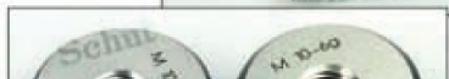
GAUGES

Thread gauges

The prices of the thread gauges apply to the following tolerances:

Kind of thread	Tolerances	
	Thread plug gauge	Thread ring gauge
Metric thread according ISO 1502 (DIN 13) up to and incl. M1.4 larger than M1.4	5H 6H	6h 6g (standard) 4h and 6e
Fixing pipe thread DIN EN ISO 228	center	A
Trapezoidal thread DIN 103	7H	7e

Other tolerances, sizes and kinds of threads are available on request; also available are special screw threads as per your design. Left-hand screw thread: price on request.



Thread plug and ring gauges

Hardened steel thread plug gauges (up to M39: Go + NoGo, from M42: Go and NoGo separate) and thread ring gauges (Go or NoGo) for metric screw thread (ISO) with coarse pitch. Manufactured according ISO 1502 (DIN 13).

Indication M...	Price EUR Thread plug	Price EUR Thread ring
1 x 0.25		
1.2 x 0.25		
1.4 x 0.3		
1.6 x 0.35		
1.8 x 0.35		
2 x 0.4		
2.2 x 0.45		
2.5 x 0.45		
3 x 0.5	55.00	45.00
3.5 x 0.6	53.00	43.00
4 x 0.7	51.00	42.00
4.5 x 0.75	51.00	42.00
5 x 0.8	49.00	42.00
6 x 1	48.00	42.00
8 x 1.25	49.00	43.00
10 x 1.5	53.00	49.00
12 x 1.75	57.00	57.00
14 x 2	61.00	63.00
16 x 2	65.00	70.00
18 x 2.5	70.00	80.00
20 x 2.5	76.00	89.00
22 x 3	82.00	97.00
24 x 3	88.00	105.00
27 x 3	95.00	113.00
30 x 3.5	102.00	121.00
33 x 4	110.00	130.00
36 x 4	118.00	140.00
39 x 4.5	128.00	150.00
42 x 5	138.00	160.00
45 x 5	148.00	170.00
48 x 5.5	158.00	180.00
52 x 6	170.00	190.00
56 x 6.5	182.00	200.00
60 x 7	195.00	210.00
66 x 8	215.00	225.00
72 x 9	235.00	240.00
78 x 10	255.00	255.00
84 x 11	275.00	270.00
90 x 12	295.00	285.00
96 x 13	315.00	300.00
102 x 14	335.00	315.00
108 x 15	355.00	330.00
114 x 16	375.00	345.00
120 x 17	395.00	360.00
126 x 18	415.00	375.00
132 x 19	435.00	390.00
138 x 20	455.00	405.00
144 x 21	475.00	420.00
150 x 22	495.00	435.00
156 x 23	515.00	450.00
162 x 24	535.00	465.00
168 x 25	555.00	480.00
174 x 26	575.00	495.00
180 x 27	595.00	510.00
186 x 28	615.00	525.00
192 x 29	635.00	540.00
198 x 30	655.00	555.00
204 x 31	675.00	570.00
210 x 32	695.00	585.00
216 x 33	715.00	600.00
222 x 34	735.00	615.00
228 x 35	755.00	630.00
234 x 36	775.00	645.00
240 x 37	795.00	660.00
246 x 38	815.00	675.00
252 x 39	835.00	690.00
258 x 40	855.00	705.00
264 x 41	875.00	720.00
270 x 42	895.00	735.00
276 x 43	915.00	750.00
282 x 44	935.00	765.00
288 x 45	955.00	780.00
294 x 46	975.00	795.00
300 x 47	995.00	810.00
306 x 48	1015.00	825.00
312 x 49	1035.00	840.00
318 x 50	1055.00	855.00
324 x 51	1075.00	870.00
330 x 52	1095.00	885.00
336 x 53	1115.00	900.00
342 x 54	1135.00	915.00
348 x 55	1155.00	930.00
354 x 56	1175.00	945.00
360 x 57	1195.00	960.00
366 x 58	1215.00	975.00
372 x 59	1235.00	990.00
378 x 60	1255.00	1005.00
384 x 61	1275.00	1020.00
390 x 62	1295.00	1035.00
396 x 63	1315.00	1050.00
402 x 64	1335.00	1065.00
408 x 65	1355.00	1080.00
414 x 66	1375.00	1095.00
420 x 67	1395.00	1110.00
426 x 68	1415.00	1125.00
432 x 69	1435.00	1140.00
438 x 70	1455.00	1155.00
444 x 71	1475.00	1170.00
450 x 72	1495.00	1185.00
456 x 73	1515.00	1200.00
462 x 74	1535.00	1215.00
468 x 75	1555.00	1230.00
474 x 76	1575.00	1245.00
480 x 77	1595.00	1260.00
486 x 78	1615.00	1275.00
492 x 79	1635.00	1290.00
498 x 80	1655.00	1305.00



Measuring reports

For all gauges also measuring reports can be ordered.

- ① Inspection report (German) per gauge. Stating of product specifications, measured values after production, used traceable measuring devices, measuring inaccuracy and measuring date. A favourable choice when your quality system does not require traceable certificates.
- ② Traceable certificate (Dutch) with measuring reports of the ordered gauges. Besides stating of the measured values the extra assurance of an external inspection.

22	x 2.5	80.00	97.00
24	x 3	90.00	104.00
27	x 3	100.00	116.00
30	x 3.5	110.00	127.00
33	x 3.5	121.00	138.00
36	x 4	131.00	149.00
39	x 4	144.00	162.00

Indication M...	Thread plug		Thread ring	
	Go	NoGo		
42	x 4.5	87.00	78.00	176.00
45	x 4.5	94.00	85.00	187.00
48	x 5	101.00	92.00	198.00
52	x 5	108.00	98.00	212.00
56	x 5.5	120.00	108.00	227.00
60	x 5.5	127.00	116.00	243.00

Also most common sets available.



GAUGES

Schut for Precision

Thread plug and ring gauges (continued)

Hardened steel thread plug gauges (Go + NoGo) and thread ring gauges (Go or NoGo) for metric screw thread (ISO) with pitch 0.5. Manufactured according ISO 1502 (DIN 13).

Indication M... x 0.5	Price EUR Thread plug	Price EUR Thread ring
5		
6		
8		
10		
12		
14		
16		
18		
20		



Hardened steel thread plug gauges (Go + NoGo) and thread ring gauges (Go or NoGo) for metric screw thread (ISO) with pitch 1. Manufactured according ISO 1502 (DIN 13).

Indication M... x 1	Price EUR Thread plug	Price EUR Thread ring
8	55.00	47.00
10	57.00	53.00
11	60.00	55.00
12	63.00	60.00
14	66.00	65.00
16	70.00	71.00
18	73.00	78.00
20	78.00	83.00
22	87.00	93.00
24	94.00	98.00
25	96.00	101.00
26	99.00	104.00
27	102.00	107.00
28	105.00	111.00
30	116.00	117.00





Hardened steel thread plug gauges (Go + NoGo) and thread ring gauges (Go or NoGo) for metric screw thread (ISO) with pitch 0.75. Manufactured according ISO 1502 (DIN 13).

Indication M... x 0.75	Price EUR Thread plug	Price EUR Thread ring
6	57.00	49.00
8	60.00	51.00
10	62.00	56.00
12	65.00	63.00
14	70.00	70.00
16	76.00	77.00
18	80.00	83.00
20	86.00	89.00
22	95.00	97.00
24	102.00	104.00
26	108.00	112.00
28	114.00	120.00
30	123.00	127.00



Hardened steel thread plug gauges (up to M40: Go + NoGo, from M42: Go and NoGo separate) and thread ring gauges (Go or NoGo) for metric screw thread (ISO) with pitch 1.5. Manufactured according ISO 1502 (DIN 13).

Indication M... x 1.5	Price EUR Thread plug	Price EUR Thread ring
12	57.00	59.00
14	60.00	63.00
16	63.00	69.00
18	67.00	75.00
20	72.00	81.00
22	79.00	87.00
24	85.00	93.00
25	87.00	96.00
26	90.00	99.00
27	92.00	102.00
28	95.00	104.00
30	104.00	111.00

(continued on the next page)

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Schut Geometrical Metrology

GAUGES

Thread plug and ring gauges (continued)

Indication M... x 1.5	Price EUR Thread plug	Price EUR Thread ring
<i>(continued)</i>		
32	105.00	116.00
33	108.00	120.00
34	111.00	122.00
35	113.00	124.00
36	116.00	128.00
38	125.00	134.00
39	126.00	137.00
40	133.00	141.00
Indication M... x 1.5	Thread plug Go	Thread ring NoGo
42	77.00	147.00
45	82.00	155.00
48	86.00	165.00
50	89.00	170.00

Hardened steel thread plug gauges (up to M40: Go + NoGo, from M42: Go and NoGo separate) and thread ring gauges (Go or NoGo) for metric screw thread (ISO) with pitch 2 (ISO 1502).

Hardened steel thread plug gauges (up to G1": Go + NoGo, from G1^{1/8}": Go and NoGo separate) and thread ring gauges (Go or NoGo) for non-sealing fixing pipe thread. Manufactured according DIN EN ISO 228.

Indication G..."	Price EUR Thread plug	Price EUR Thread ring
1/8	59.00	54.00
1/4	65.00	64.00
3/8	74.00	78.00
1/2	85.00	93.00
5/8	91.00	100.00
3/4	99.00	109.00
7/8	113.00	122.00
1	118.00	134.00
Indication G..."	Thread plug Go	Thread ring NoGo
1 1/8	78.00	152.00
1 1/4	82.00	168.00
1 1/2	95.00	190.00
1 3/4	108.00	210.00

Indication M... x2	Price EUR Thread plug	Price EUR Thread ring
20	72.00	81.00
22	79.00	87.00
24	85.00	93.00
26	90.00	99.00
28	95.00	104.00
30	104.00	111.00
32	105.00	116.00
34	111.00	122.00
36	116.00	128.00
38	125.00	134.00
40	133.00	141.00

Indication M... x2	Thread plug		Thread ring
	Go	NoGo	
42	77.00	70.00	147.00
45	82.00	75.00	155.00
48	86.00	78.00	165.00
50	89.00	81.00	170.00



2	119.00	108.00	232.00
2 ¹ / ₄	129.00	118.00	250.00
2 ¹ / ₂	150.00	136.00	286.00
2 ³ / ₄	164.00	149.00	308.00
3	176.00	160.00	334.00



Hardened steel thread plug and thread ring gauges for sealing pipe thread. Manufactured according to DIN 2999.¹

Indication R..."	Price EUR Thread plug	Price EUR Thread ring
1/8	149.00	90.00
1/4	158.00	98.00
3/8	171.00	118.00
1/2	186.00	142.00
3/4	206.00	162.00
1	239.00	175.00
1 ¹ / ₄	286.00	207.00
1 ¹ / ₂	322.00	253.00
2	397.00	283.00

Larger sizes available on request

¹ DIN 2999 is replaced with DIN EN 10226 (ISO 7).

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GAUGES

Schut for Precision

Thread plug and ring gauges (continued)

Hardened steel thread plug gauges (up to 1¹/₄: Go + NoGo, from 1³/₈: Go and NoGo separate) and thread ring gauges (Go or NoGo) for American screw thread UNC and UNF manufactured according to ANSI B1.2 class 2B (thread plug) and BS 919 2A (thread ring; manufactured according to ANSI B1.2 class 2A available on request).

Indication UNC	Price EUR Thread plug	Price EUR Thread ring
No 1-64		
No 2-56		
No 3-48		
No 4-40		
No 5-40	57.00	52.00
No 6-32	56.00	50.00
No 8-32	53.00	46.00
No 10-24	52.00	45.00
No 12-24	50.00	44.00
1/4 -20	49.00	44.00
5/16 -18	51.00	47.00
3/8 -16	52.00	50.00
7/16 -14	55.00	54.00
1/2 -13	59.00	61.00
9/16 -12	62.00	68.00
5/8 -11	65.00	75.00
3/4 -10	75.00	87.00



Indication UNF	Price EUR Thread plug	Price EUR Thread ring
No 0-80		
No 1-72		
No 2-64		
No 3-56		
No 4-48		
No 5-44	57.00	52.00
No 6-40	56.00	50.00
No 8-36	53.00	46.00

7/8 - 9	85.00	100.00	
1 - 8	96.00	115.00	
1 1/8 - 7	107.00	127.00	
1 1/4 - 7	121.00	146.00	
Indication UNC	Thread plug		Thread ring
	Go	NoGo	
1 3/8 - 6	74.00	67.00	162.00
1 1/2 - 6	82.00	74.00	173.00
1 3/4 - 5	98.00	88.00	203.00
2 - 4 1/2	112.00	101.00	232.00
2 1/4 - 4 1/2	126.00	114.00	264.00
2 1/2 - 4	141.00	127.00	296.00
2 3/4 - 4	157.00	141.00	329.00
3 - 4	170.00	155.00	359.00
3 1/4 - 4	186.00	168.00	393.00
3 1/2 - 4	200.00	182.00	424.00
3 3/4 - 4	215.00	194.00	456.00
4 - 4	229.00	207.00	490.00

No 10-32	52.00	45.00	
No 12-28	50.00	44.00	
1/4 - 28	49.00	44.00	
5/16 - 24	51.00	47.00	
3/8 - 24	52.00	50.00	
7/16 - 20	55.00	54.00	
1/2 - 20	59.00	61.00	
9/16 - 18	62.00	68.00	
5/8 - 18	63.00	75.00	
3/4 - 16	70.00	87.00	
7/8 - 14	78.00	100.00	
1 - 12	86.00	115.00	
1 1/8 - 12	101.00	134.00	
1 1/4 - 12	107.00	146.00	
Indication UNF	Thread plug		Thread ring
	Go	NoGo	
1 3/8 - 12	66.00	59.00	162.00
1 1/2 - 12	71.00	65.00	173.00

Hardened steel tapered thread plug and thread ring gauges NPT for sealing pipe thread. Manufactured according ANSI/ASME B1.20.1.



Indication NPT..."	Price EUR Thread plug	Price EUR Thread ring
1/16	144.00	206.00
1/8	149.00	211.00
1/4	158.00	221.00
3/8	171.00	234.00
1/2	186.00	254.00
3/4	206.00	279.00
1	239.00	316.00
1 1/4	286.00	370.00
1 1/2	322.00	408.00
2	397.00	497.00
2 1/2	452.00	569.00
3	551.00	729.00

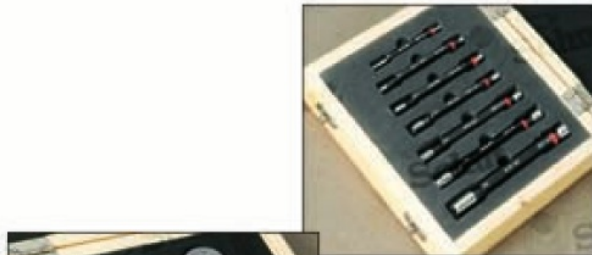
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Schut Geometrical Metrology

GAUGES

Thread plug and ring gauges in sets

Sets of thread plug gauges or thread ring gauges for inspection of metric ISO threads.



836.561



836.562



- For threads M3, M4, M5, M6, M8, M10 and M12.
- Tolerance class:
thread plug gauges: 6H,
thread ring gauges: 6g.
- Hardened steel, thread plug gauges with aluminum grip.
- Manufactured according ISO 1502 (DIN 13).
- Delivery in a wooden case with a traceable measuring report.



Item No.	Thread gauges set	Price EUR
836.561	Plug gauges (Go+NoGo)	267.00
836.562	Ring gauges (Go)	296.00



836.563 Ring gauges (NoGo)

296.00

Plug gauges and setting rings in sets

- Hardened steel, plug gauges with aluminum grip.
- Set setting rings manufactured according DIN 2250 form C.
- Set plug gauges manufactured according DIN 2248/2249.
- Delivery in a wooden case with a traceable measuring report.



Item No.	Description	Price EUR
836.564	Setting rings: $\varnothing 4$, $\varnothing 5$, $\varnothing 6$, $\varnothing 8$ mm	144.00
836.565	Setting rings: $\varnothing 10$, $\varnothing 12$, $\varnothing 16$, $\varnothing 20$, $\varnothing 25$ mm	189.00
836.566	Plug gauges (Go+NoGo) H7: 3, 4, 5, 6, 8, 10, 12 mm	175.00



Thread jaw gauges

Jaw-shaped gauge for inspection of external screw thread. Delivery excl. setting thread plug gauge.



Available on request.

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