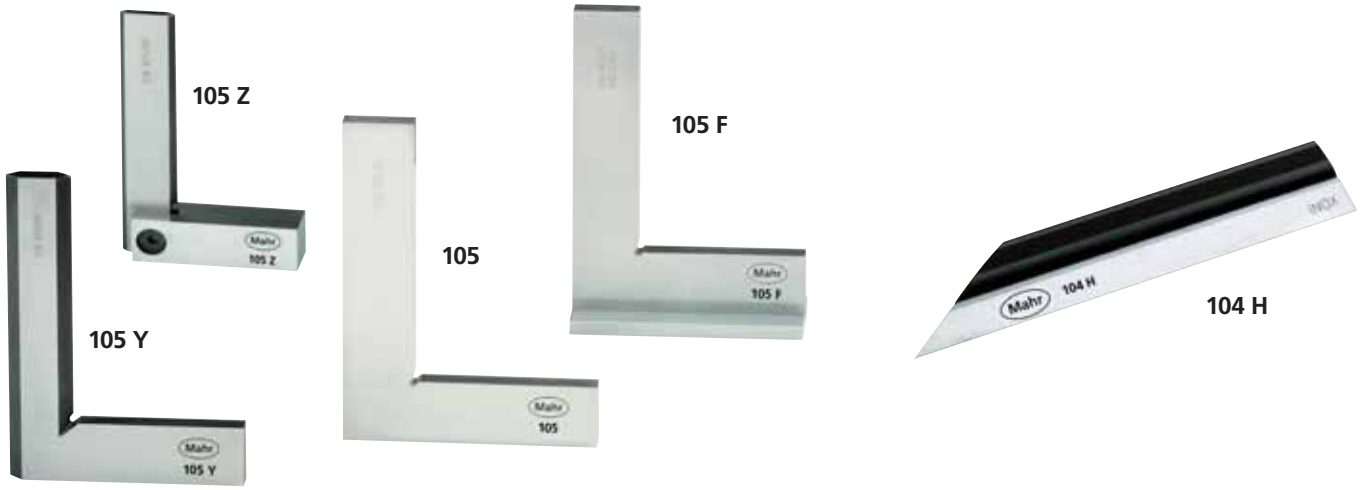
MarTool. Measuring and Inspection Equipment

Overview Straight Edges and Squares



Knife-edge Straight Edge 104 H

Features

- Stainless steel, hardened throughout and ground
- Heat insulators
- With pointed tip at one end
- Scope of supply: case

Accuracy

according to DIN 874, sheet 2

To determine the straightness tolerance t of the knife edge use the following formula:

$$t = 2 + \frac{l}{250}\ \mu m$$

Length l in mm

Technical Data

Length mm	*(inch)*	Cross section mm	Weight kg	Order no.
75	*(3")*	22 x 6	0.05	**4205000**
100	*(4")*	22 x 6	0.07	**4205001**
125	*(5")*	22 x 6	0.09	**4205002**
150	*(6")*	22 x 6	0.11	**4205003**
200	*(8")*	22 x 6	0.15	**4205004**
300	*(12")*	30 x 7	0.25	**4205005**
400	*(16")*	40 x 7	0.75	**4205007**
500	*(20")*	40 x 7	0.91	**4205006**

Flat Square 105/0

Features

- Hardened stainless steel
- Scope of supply: case

Accuracy

Grade 0 DIN 875

Technical Data

Length of beams mm	*(inch)*	Cross section mm	Weight kg	Order no.
50 x 40	*(2 x 1.6")*	14 x 4	0.04	**4207008**
75 x 50	*(3 x 2")*	15 x 4	0.05	**4207009**
100 x 70	*(4 x 3")*	20 x 5	0.11	**4207000**
150 x 100	*(6 x 4")*	25 x 6	0.22	**4207001**
200 x 130	*(8 x 5.1")*	30 x 7	0.54	**4207002**
300 x 200	*(12 x 8")*	40 x 8	1.12	**4207004**

Flanged Beam Square 105 F/0

Features

Accuracy

Grade 0 DIN 875

To determine the right angle tolerance t of the test surface use the following formula:

$$t = 5 + \frac{l}{50}\ \mu m$$

(Length l is the longer beam in mm)

Technical Data

Length of beams mm	*(inch)*	Cross section mm	Weight kg	Order no.
50 x 40	*(2 x 1.6")*	13.5 x 5	0.05	**4208008**
75 x 50	*(3 x 2")*	15 x 4	0.08	**4208009**
100 x 70	*(4 x 3")*	20 x 5	0.20	**4208000**
150 x 100	*(6 x 4")*	25 x 6	0.46	**4208001**
200 x 130	*(8 x 5.1")*	30 x 7	0.75	**4208002**
300 x 200	*(12 x 8")*	40 x 8	1.68	**4208004**

Knife-edge Square 105 Y

Features

- Hardened stainless steel
- Scope of supply: case

Accuracy

Grade 00 DIN 875

Technical Data

Length of beams mm	*(inch)*	Cross section mm	Weight kg	Order no.
50 x 40	*(2 x 1.6")*	14 x 4	0.03	**4210000**
75 x 50	*(3 x 2")*	16 x 4	0.05	**4210001**
100 x 70	*(4 x 3")*	20 x 5	0.10	**4210002**
150 x 100	*(6 x 4")*	25 x 6	0.26	**4210003**
200 x 130	*(8 x 5.1")*	30 x 7	0.43	**4210004**
300 x 200	*(12 x 8")*	40 x 8	0.96	**4210005**
500 x 330	*(20 x 13")*	45 x 10	2.20	**4210006**

Square105 Z

Features

- Hardened stainless steel
- Precision ground narrow beam (blade) and a wide beam (stock)
- Without knife edge
- Scope of supply: case

Accuracy

Grade 0 DIN 875

To determine the right angle tolerance t of the test surface use the following formula:

$$t = 5 + \frac{l}{50}\ \mu m$$

(Length l is the longer beam in mm)

Technical Data

Length of beams mm	*(inch)*	Cross section narrow beam mm	Cross section wide beam mm	Weight kg	Order no.
50 x 40	*(2 x 1.6")*	16 x 2	14 x 10	0.05	**4211005**
75 x 50	*(3 x 2")*	16 x 2	14 x 10	0.06	**4211000**
100 x 70	*(4 x 3")*	20 x 3	18 x 12	0.13	**4211001**
150 x 100	*(6 x 4")*	26 x 3	24 x 14	0.32	**4211002**
200 x 130	*(8 x 5.1")*	30 x 4	28 x 16	0.75	**4211003**
300 x 200	*(12 x 8")*	40 x 6	38 x 20	1.60	**4211004**