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Precision Square

Precision Square With Base JIS 1st class. JIS 2nd class



Squareness

$$\begin{aligned} \text{1st class} & \pm \left(10 + \frac{L}{20} \right) \mu\text{m} \\ \text{2nd class} & \pm \left(20 + \frac{L}{10} \right) \mu\text{m} \end{aligned}$$

The fall down of the side surface is taken as 10 times of the value of squareness.

JIS 1st-class Accuracy

● Precision square is used for squareness measurement accurately.

Item Code	Pillar x Width x Thickness (mm)	Bottom x Width x Thickness (mm)	Squareness (mm)	Net Weight (kg)
RDS1-50	50x14x2.2	41x14x9.5	±0.013	0.07
RDS1-75	75x16x2.5	50x15x13	±0.014	0.1
RDS1-100	100x20x2.5	70x18x15	±0.015	0.18

RDS1-150	150x24x3	100x22x18	±0.018	0.39
RDS1-200	200x29x4	130x26x22	±0.02	0.76
RDS1-300	300x35x4	200x32x27	±0.025	1.68
RDS1-500	500x46x5	300x45x35	±0.035	4.6
RDS1-750	750x58x8	400x63x50	±0.048	10
RDS1-1000	1000x65x10	550x80x65	±0.06	27

JIS 2nd-class Accuracy

● Precision square is used for any assembly or setting.

Item Code	Pillar x Width x Thickness (mm)	Bottom x Width x Thickness (mm)	Squareness (mm)	Net Weight (kg)
RDS2-50	50x16x2	37x16x10	±0.025	0.07
RDS2-75	75x16x2	50x16x10	±0.027	0.1
RDS2-100	100x20x2.4	70x19x12	±0.03	0.18
RDS2-150	150x24x3	100x22x18	±0.035	0.39
RDS2-200	200x29x4	130x26x22	±0.04	0.76
RDS2-300	300x35x4.5	200x32x27	±0.05	1.68
RDS2-500	500x46x5	300x45x35	±0.07	4.6
RDS2-750	750x58x8	400x63x50	±0.095	10
RDS2-1000	1000x65x10	550x80x65	±0.12	27

● At your request, right-convenience square, left-convenience square and the special made item can be manufactured.

Precision Flat Square JIS 1st class. JIS 2nd class



Squareness

1st class $\pm \left(10 + \frac{L}{20} \right) \mu\text{m}$

2nd class $\pm \left(20 + \frac{L}{10} \right) \mu\text{m}$

The fall down of the side surface is taken as 10 times of the value of squareness.

JIS 1st-class Accuracy

- Precision square is used for squareness measurement accurately.

Item Code	Pillar x Bottom x Width x Thickness (mm)	Squareness (mm)	Net Weight (kg)
RHS1-50	50x40x15x3	± 0.013	0.04
RHS1-75	75x50x18x3	± 0.014	0.05
RHS1-100	100x70x20x4	± 0.015	0.1
RHS1-150	150x100x25x5	± 0.018	0.24
RHS1-200	200x130x25x6	± 0.02	0.38
RHS1-300	300x200x30x6	± 0.025	0.7
RHS1-500	500x300x40x8	± 0.035	2
RHS1-750	750x400x50x10	± 0.048	4.5
RHS1-1000	1000x550x60x12	± 0.06	8.5

JIS 2nd-class Accuracy

- Precision square is used for any assembly or setting.

Item Code	Pillar x Bottom x Width x Thickness (mm)	Squareness (mm)	Net Weight (kg)
RHS2-50	50x38x16x3	± 0.025	0.04
RHS2-75	75x50x18x3	± 0.027	0.05
RHS2-100	100x70x20x4	± 0.03	0.1

RHS2-150	150x100x25x5	± 0.035	0.24
RHS2-200	200x130x25x6	± 0.04	0.38
RHS2-300	300x200x30x6	± 0.05	0.7
RHS2-500	500x300x40x8	± 0.07	2
RHS2-750	750x400x50x10	± 0.095	4.5
RHS2-1000	1000x550x60x12	± 0.12	8.5

● At your request, the special made item can be manufactured.

I-Type Precision Square



● I-type precision square have the most highly accuracy.

Item Code	Pillar x Bottom x Width x Thickness (mm)	Squareness (mm)	Straightness (mm)	Net Weight (kg)
RIS-75	75x50x18x5	± 0.0028	± 0.0014	0.18
RIS-100	100x70x25x6	± 0.003	± 0.0015	0.2
RIS-150	150x100x30x8	± 0.0035	± 0.0017	0.4
RIS-200	200x130x35x10	± 0.004	± 0.002	0.8
RIS-300	300x200x40x15	± 0.005	± 0.0025	2
RIS-500	500x300x55x20	± 0.007	± 0.0035	5

Knife Edged Squares I-Type



- Its terminal surface is formed as a knife edge, but it has small curve.

Item Code	Pillar x Bottom x Width x Thickness (mm)	Squareness (mm)	Net Weight (kg)
RKS-75	75x50x16x10	± 0.0028	0.15
RKS-100	100x70x20x12	± 0.003	0.36
RKS-150	150x100x24x14	± 0.0035	0.7
RKS-200	200x130x28x16	± 0.004	1
RKS-300	300x200x35x20	± 0.005	2.8

Flat Heavy Square



- Flat heavy square has thickness and it is possible to use with the state of standing.

Item Code	Pillar x Bottom x Width x Thickness (mm)	Squareness (mm)	Net Weight (kg)
RAS-75	75x45x18x12	±0.014	0.2
RAS-100	100x70x20x15	±0.015	0.4
RAS-150	150x100x25x20	±0.018	1
RAS-200	200x130x30x20	±0.02	1.5
RAS-300	300x170x35x25	±0.025	3.2

Precision Cylindrical Squares



- Cylindrical square can be used as standard master gauge.
- At your request, special made item can be manufactured.

Item Code	Height x Diameter (mm)	Squareness (mm)	Net Weight (kg)
RCS-100	100xø60	±0.0025	3
RCS-150	150xø70	±0.0028	3.5
RCS-200	200xø80	±0.003	6
RCS-300	300xø100	±0.0035	16
RCS-400	400xø120	±0.004	21
RCS-500	500xø130	±0.0045	27

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