



XIAMEN FINE CERAMICS TECHNOLOGY CO.,LTD

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CERAMIC PIN GAUGE SET

Available from 1pc. Made of highly-durable material with free from rust.

Material Type: Y-PSZ (Zirconium Oxide)

FEATURES

- Strong against abrasion
- Free from rust and corrosion, and easy maintenance
- Ceramic material is less susceptible to abrasion and aged deterioration than steel
- Non-magnetic

For above 1.50mm, Nominal size is laser marked on gauge

Individual pin gauges are also available

Comparison between carbide and steel materials

Item	Material	Ceramics	Carbide	Steel
Density		6	14.8	7.8
Hardness	HV	1250	1300	650
Bending strength	Mpa	1000	1960	1960
Yong's Modulus	Gpa	200	610	205
C.O.E	10 ⁻⁶ /K	7~8	5~5.5	11
Thermal conductivity	W/m.K	3	79.5	54.4

SPECIFICATIONS

Model No.	Norminal Size(mm)	Step (mm)	Length (mm)	Tolerance (um)	Out of Roundness (um)	Diameter Inequality (um)	Pins per set (pcs)	Weight (Including case)
XAA-1A	1.0...1.5	0.01	50	±1um	≤0.3	≤1	51	0.52kg
XAA-1B	1.5...2.0	0.01	50	±1um	≤0.3	≤1	51	0.54kg
XAA-1C	1.0...2.0	0.01	50	±1um	≤0.3	≤1	101	0.69kg
XAA-2A	2.0...2.5	0.01	50	±1um	≤0.3	≤1	51	0.57kg
XAA-2B	2.5...3.0	0.01	50	±1um	≤0.3	≤1	51	0.59kg
XAA-2C	2.0...3.0	0.01	50	±1um	≤0.3	≤1	101	0.80kg
XAA-3A	3.0...3.5	0.01	50	±1um	≤0.3	≤1	51	0.63kg
XAA-3B	3.5...4.0	0.01	50	±1um	≤0.3	≤1	51	0.67kg
XAA-3C	3.0...4.0	0.01	50	±1um	≤0.3	≤1	101	0.90kg
XAA-4A	4.0...4.5	0.01	50	±1um	≤0.3	≤1	51	0.75kg
XAA-4B	4.5...5.0	0.01	50	±1um	≤0.3	≤1	51	0.80kg
XAA-4C	4.0...5.0	0.01	50	±1um	≤0.3	≤1	101	1.15kg
XAA-5A	5.0...5.5	0.01	50	±1um	≤0.3	≤1	51	0.85kg
XAA-5B	5.5...6.0	0.01	50	±1um	≤0.3	≤1	51	0.90kg
XAA-5C	5.0...6.0	0.01	50	±1um	≤0.3	≤1	101	1.35kg
XAA-6A	6.0...6.5	0.01	50	±1um	≤0.3	≤1	51	1.00kg
XAA-6B	6.5...7.0	0.01	50	±1um	≤0.3	≤1	51	1.05kg
XAA-6C	6.0...7.0	0.01	50	±1um	≤0.3	≤1	101	1.65kg
XAA-7A	7.0...7.5	0.01	50	±1um	≤0.3	≤1	51	1.15kg
XAA-7B	7.5...8.0	0.01	50	±1um	≤0.3	≤1	51	1.25kg
XAA-7C	7.0...8.0	0.01	50	±1um	≤0.3	≤1	101	2.00kg
XAA-8A	8.0...8.5	0.01	50	±1um	≤0.3	≤1	51	1.35kg



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XAA-8B	8.5...9.0	0.01	50	±1um	≤0.3	≤1	51	1.45kg
XAA-8C	8.0...9.0	0.01	50	±1um	≤0.3	≤1	101	2.35kg
XAA-9A	9.0...9.5	0.01	50	±1um	≤0.3	≤1	51	1.55kg
XAA-9B	9.5...10.0	0.01	50	±1um	≤0.3	≤1	51	1.65kg
XAA-9C	9.0...10.0	0.01	50	±1um	≤0.3	≤1	101	2.78kg
XAA-10T	1.0...10.0	0.1	50	±1um	≤0.3	≤1	91	1.30kg

Qty.	Wooden Case Size (mm)	Wooden Case Weight (kg)
51pcs per set	295X208X72	0.63
91pcs per set	295X208X72	0.63
101pcs per set	295X208X72	0.63
<i>Custom design is available</i>		