



祇專注于0.000mm後面的空間！
Focus on precision digital after 0.000mm.

精密針規 Pin Gauge





CEGA精密測量：祇專注于0.000mm後面的空間！

CEGA Precision Measurement : Only Focus on precision digital after 0.000mm.

CEGA 精密 / 品質 / 創新

CEGA精密測量，專注精密測量工具的研發及製造。我們的使命就是掌握核心技術，製造出精益求精的產品，與世界一綫品牌共舞！

求精密：

我們的加工設備來源于瑞士、日本與世界同步！

保品質：

我們的檢測儀器來源于德國、日本與世界同步！

重創新：

我們研發了高硬度HRC60℃的不銹鋼精密針規、我們不但在原材料上進行改良，還在熱處理上增加了多次回火，經過28小時-196℃超深冷處理使尺寸更為穩定。高硬度不銹鋼精密針規的出現，深度解決了傳統鋼質針規易生銹，不耐磨性，尺寸不穩定的問題。

讓客戶放心：

我們所有產品均在20℃±2恒溫室檢測、檢測前會以世界一綫品牌的量具作效對，確保尺寸公差與世界一綫品牌高度一致。假如公差要求在0.0005mm以下，我們建議客戶提絕對值的量具作效對，確保與客戶的檢測儀器的同步！

Precision/Quality/Innovation

CEGA Precision measurement: focus on research and manufacturing. Our mission is to master the core technology to create excellent products, to dance with top international brand.

Precision:

Our process equipment are from Switzerland, Japan and synchronized the world !

Guaranteed Quality:

Our inspection instruments are from Germany, Japan and synchronized the world !

Innovation:

we have developed out stainless steel precision pin gauges with high hardness HRC60℃ , we not only improve the raw material, also increased times of tempering treatment, make the size more stable after 28 hours of -196℃ Ultra-cold Treatment. These pins solve those problems very well what are easy to be rust, not wear resistance and unstable size.

Assurance:

All our products are inspected in 20℃±2 constant temperature environment, we will check the instrument before inspecting and ensure the tolerance and precision to be the same as top international brand. We suggest customer to provide parameter of instrument for checking if the tolerance is below 0.0005mm, in order to keep the result synchronized with instruments of customers.

針規概述 Pin Gauges Overview

定義:

應用于測量零件圓孔直徑的一種檢測工具，由白銅、鎢鋼、陶瓷、不銹鋼等材料制成。具有高硬度又有特定尺寸的一種圓棒。
它是用國際先進的激光測量儀和測長儀檢測針規的精度。

材質:

白銅、鎢鋼、陶瓷、不銹鋼等材質。

名稱:

針規、塞規、銷式塞規、光面針規、孔徑規、光滑通止規、量棒、量針、光面塞規、極限規、止通塞、三針規、三綫規等等。

Definition:

Applied to measure the hole diameter, a rod made by metal or carbide steel or ceramic or stainless steel with high hardness and specified size.

Material:

Metal, Carbide Steel, Ceramic And Stainless Steel.

Name:

Pin gauge, plug gauge, smooth pin gauge, hole diameter pin gauge, Go-No gauge, inspection gauge, inspection pin, Go gauge, No gauge and etc.



用途 Application

針規適用于機械電子加工中孔徑、孔距、內螺紋小徑的測量，特別適于彎曲槽寬及模具尺寸的測量。用于檢查位置，測量孔的尺寸，檢查兩孔距，也可作通止規及測量孔的深度用，是孔的標準化檢測的必備檢具，并廣泛用于電子板、綫路板、模具、精密機械製造等各種高精尖技術的領域。

Pin Gauge apply for mechanical and electronic processing, to inspect hole diameter, hole distance and internal thread diameter. Especially for bending width and mold size measurement. It can also be used as go-no pin gauge and hole depth inspection. Pin Gauge is a kind of necessary standard tool for inspecting hole, and widely used in electronic boards, circuit boards, precision machinery manufacturing and other high precision technology areas.

QUALITY POLICY

品質政策



質量是企業立足之本，優質的產品是企業打入世界市場的强大武器。公司爲了創造至優至尊的產品，嚴把加工過程的每一道關口，力求以一流的產品應對激烈的市場競爭。

Quality is vital for an enterprise, high quality products are the powerful weapon to enter into international market. Out of a desire to produce superior products, we stresses on every particular in process. Use first-class products to respond to the fierce market competition.



Pin Gauge Diameter Accuracy (Tolerance):

Standard Tolerance: $\pm 0.001\text{mm}$

Available Tolerance: $\pm 0.0005\text{mm}$, $\pm 0.002\text{mm}$, $+ 0.005\text{mm}$, $- 0.005\text{mm}$; Or custom made as customer's required.

Pin Gauge Roundness:

Standard Roundness: 0.0008mm

Precision Roundness: 0.0003mm

Pin Gauge in Metric and Inch are available.

Diameter Size:

Metric: $0.10\text{mm} \sim 40.00\text{mm}$

Size Range(Step) : Step 0.01mm , 0.02mm , 0.025mm , 0.05mm , 0.10mm , 0.50mm , 1.00mm and so on.

Inch: Size Range $0.011\text{in} \sim 1.000\text{in}$

Size Range: 0.001in , 0.0005in and so on, Accuracy: $\pm 0.001\text{mm}$, $\pm 0.002\text{mm}$, $+0.0025\text{mm}$, -0.0025mm , $+0.005\text{mm}$, -0.005mm and so on.)

Formula Between inch and metric: Inch size $\times 25.4 =$ Metric size (eg. $0.011 \times 25.4 = 0.2794\text{mm}$)

Length: Standard length 50mm

Length can be custom-made as customer's requirement.

■ 精度及規格 Precision & Specifications

針規直徑精度 (公差):

標準公差: $\pm 0.001\text{mm}$

可制定公差: $\pm 0.0005\text{mm}$ 、 $\pm 0.002\text{mm}$ 、 $+ 0.005\text{mm}$ 、 $- 0.005\text{mm}$ 或依客户要求精度定做。

針規真圓度:

標準型真圓度: 0.0008mm

精密型真圓度: 0.0003mm

根據尺寸單位有公制針規,英制針規.

直徑尺寸範圍:

公制: $0.10\text{mm} \sim 40.00\text{mm}$;

規格間距 (間隔) : 間隔 0.01mm 、 0.02mm 、 0.025mm 、 0.05mm 、 0.10mm 、 0.50mm 、 1.00mm 等;

英制: 規格範圍 $0.011\text{in} \sim 1.000\text{in}$;

規格間距: 0.001in 、 0.0005in 等,

精度: $\pm 0.001\text{mm}$ 、 $\pm 0.002\text{mm}$ 、 $+0.0025\text{mm}$ 、 -0.0025mm 、 $+0.005\text{mm}$ 、 -0.005mm 等

英制與公制換算公式: 以英制尺寸 $\times 25.4 =$ 公制尺寸 (比如英制 0.011 , 公制尺寸即 0.2794)

長度: 標準長度: 50mm , 可依客户要求定做長度。



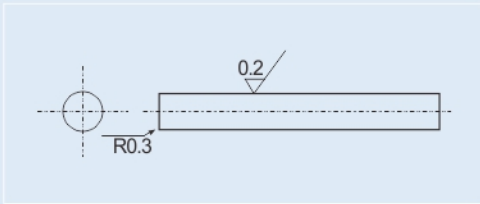
60010

YK-EP 精密白鋼針規



METAL PIN GAUGE

- Features 材質: Metal 工具鋼
- Proportion 比重: 7.8
- Hardness 硬度: HRC58-62°C
- Thermal expansion degree 膨脹: 11.5



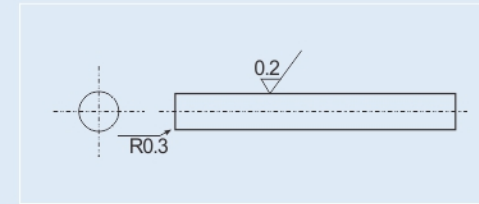
60020

YK-EG 精密鎢鋼針規



TUNGSTEN CARBIDE PIN GAUGE

- Features 材質: Tungsten Carbide 鎢鋼
- Proportion 比重: 15.0
- Hardness 硬度: HRA91
- Thermal expansion degree 膨脹: 5.5



選型表 Selection

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.01mm)	套装数量/支 Quantity(pcs)
60010-0102	YK-EP-00	0.10 0.11...0.19 0.20	10
60010-0205	YK-EP-0A	0.20 0.21... 0.49 0.50	31
60010-0510	YK-EP-0B	0.50 0.51... 0.99 1.00	51
60010-1015	YK-EP-1A	1.00 1.01... 1.49 1.50	51
60010-1520	YK-EP-1B	1.50 1.51... 1.99 2.00	51
60010-2025	YK-EP-2A	2.00 2.01... 2.49 2.50	51
60010-2530	YK-EP-2B	2.50 2.51... 2.99 3.00	51
60010-3035	YK-EP-3A	3.00 3.01... 3.49 3.50	51
60010-3540	YK-EP-3B	3.50 3.51... 3.99 4.00	51
60010-4045	YK-EP-4A	4.00 4.01... 4.49 4.50	51
60010-4550	YK-EP-4B	4.50 4.51... 4.99 5.00	51
60010-5055	YK-EP-5A	5.00 5.01... 5.49 5.50	51
60010-5560	YK-EP-5B	5.50 5.51... 5.99 6.00	51
60010-6065	YK-EP-6A	6.00 6.01... 6.49 6.50	51
60010-6570	YK-EP-6B	6.50 6.51... 6.99 7.00	51
60010-7075	YK-EP-7A	7.00 7.01... 7.49 7.50	51
60010-7580	YK-EP-7B	7.50 7.51... 7.99 8.00	51
60010-8085	YK-EP-8A	8.00 8.01... 8.49 8.50	51
60010-8590	YK-EP-8B	8.50 8.51... 8.99 9.00	51
60010-9095	YK-EP-9A	9.00 9.01... 9.49 9.50	51
60010-95100	YK-EP-9B	9.50 9.51... 9.99 10.00	51
60010-100105	YK-EP-10A	10.00 10.01...10.49 10.50	51

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.01mm)	套装数量/支 Quantity(pcs)
60010-105110	YK-EP-10B	10.50 10.51...10.99 11.00	51
60010-110115	YK-EP-11A	11.00 11.01...11.49 11.50	51
60010-115120	YK-EP-11B	11.50 11.51...11.99 12.00	51
60010-120125	YK-EP-12A	12.00 12.01...12.49 12.50	51
60010-125130	YK-EP-12B	12.50 12.51...12.99 13.00	51
60010-130135	YK-EP-13A	13.00 13.01...13.49 13.50	51
60010-135140	YK-EP-13B	13.50 13.51...13.99 14.00	51
60010-140145	YK-EP-14A	14.00 14.01...14.49 14.50	51
60010-145150	YK-EP-14B	14.50 14.51...14.99 15.00	51
60010-150155	YK-EP-15A	15.00 15.01...15.49 15.50	51
60010-155160	YK-EP-15B	15.50 15.51...15.99 16.00	51
60010-160165	YK-EP-16A	16.00 16.01...16.49 16.50	51
60010-165170	YK-EP-16B	16.50 16.51...16.99 17.00	51
60010-170175	YK-EP-17A	17.00 17.01...17.49 17.50	51
60010-175180	YK-EP-17B	17.50 17.51...17.99 18.00	51
60010-180185	YK-EP-18A	18.00 18.01...18.49 18.50	51
60010-185190	YK-EP-18B	18.50 18.51...18.99 19.00	51
60010-190195	YK-EP-19A	19.00 19.01...19.49 19.50	51
60010-195200	YK-EP-19B	19.50 19.51...19.99 20.00	51

※可單支訂購,特殊尺寸可定制。
※ can be single-order, special size can be customized.

選型表 Selection

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.01mm)	套装数量/支 Quantity(pcs)
60020-0102	YK-EG-00	0.10 0.11...0.19 0.20	10
60020-0205	YK-EG-0A	0.20 0.21... 0.49 0.50	31
60020-0510	YK-EG-0B	0.50 0.51... 0.99 1.00	51
60020-1015	YK-EG-1A	1.00 1.01... 1.49 1.50	51
60020-1520	YK-EG-1B	1.50 1.51... 1.99 2.00	51
60020-2025	YK-EG-2A	2.00 2.01... 2.49 2.50	51
60020-2530	YK-EG-2B	2.50 2.51... 2.99 3.00	51
60020-3035	YK-EG-3A	3.00 3.01... 3.49 3.50	51
60020-3540	YK-EG-3B	3.50 3.51... 3.99 4.00	51
60020-4045	YK-EG-4A	4.00 4.01... 4.49 4.50	51
60020-4550	YK-EG-4B	4.50 4.51... 4.99 5.00	51
60020-5055	YK-EG-5A	5.00 5.01... 5.49 5.50	51
60020-5560	YK-EG-5B	5.50 5.51... 5.99 6.00	51
60020-6065	YK-EG-6A	6.00 6.01... 6.49 6.50	51
60020-6570	YK-EG-6B	6.50 6.51... 6.99 7.00	51
60020-7075	YK-EG-7A	7.00 7.01... 7.49 7.50	51
60020-7580	YK-EG-7B	7.50 7.51... 7.99 8.00	51
60020-8085	YK-EG-8A	8.00 8.01... 8.49 8.50	51
60020-8590	YK-EG-8B	8.50 8.51... 8.99 9.00	51
60020-9095	YK-EG-9A	9.00 9.01... 9.49 9.50	51
60020-95100	YK-EG-9B	9.50 9.51... 9.99 10.00	51
60020-100105	YK-EG-10A	10.00 10.01...10.49 10.50	51

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.01mm)	套装数量/支 Quantity(pcs)
60020-105110	YK-EG-10B	10.50 10.51...10.99 11.00	51
60020-110115	YK-EG-11A	11.00 11.01...11.49 11.50	51
60020-115120	YK-EG-11B	11.50 11.51...11.99 12.00	51
60020-120125	YK-EG-12A	12.00 12.01...12.49 12.50	51
60020-125130	YK-EG-12B	12.50 12.51...12.99 13.00	51
60020-130135	YK-EG-13A	13.00 13.01...13.49 13.50	51
60020-135140	YK-EG-13B	13.50 13.51...13.99 14.00	51
60020-140145	YK-EG-14A	14.00 14.01...14.49 14.50	51
60020-145150	YK-EG-14B	14.50 14.51...14.99 15.00	51
60020-150155	YK-EG-15A	15.00 15.01...15.49 15.50	51
60020-155160	YK-EG-15B	15.50 15.51...15.99 16.00	51
60020-160165	YK-EG-16A	16.00 16.01...16.49 16.50	51
60020-165170	YK-EG-16B	16.50 16.51...16.99 17.00	51
60020-170175	YK-EG-17A	17.00 17.01...17.49 17.50	51
60020-175180	YK-EG-17B	17.50 17.51...17.99 18.00	51
60020-180185	YK-EG-18A	18.00 18.01...18.49 18.50	51
60020-185190	YK-EG-18B	18.50 18.51...18.99 19.00	51
60020-190195	YK-EG-19A	19.00 19.01...19.49 19.50	51
60020-195200	YK-EG-19B	19.50 19.51...19.99 20.00	51

※可單支訂購,特殊尺寸可定制。
※ can be single-order, special size can be customized.

技術參數 Technical Parameters

规格 Size	长度 Length	0 級 Class 0		1 級 Class 1	
		公差 Tolerance	圓度 Roundness	公差 Tolerance	圓度 Roundness
0.1mm~0.19mm	40mm	-	-	±1µm	0.8µm
0.2mm~0.99mm	40mm	±0.5µm	0.3µm	±1µm	0.8µm
1.00mm~10.00mm	50mm	±0.5µm	0.3µm	±1µm	0.8µm
10.01mm~20.0mm	50mm	-	-	±1.5µm	1.5µm

技術參數 Technical Parameters

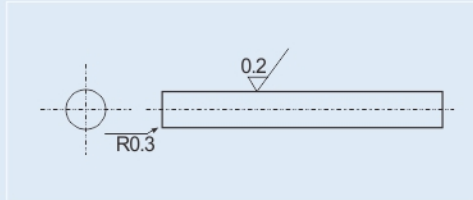
规格 Size	长度 Length	0 級 Class 0		1 級 Class 1	
		公差 Tolerance	圓度 Roundness	公差 Tolerance	圓度 Roundness
0.2mm~0.99mm	40mm	±0.5µm	0.3µm	±1µm	0.8µm
1.00mm~10.00mm	50mm	±0.5µm	0.3µm	±1µm	0.8µm
10.01mm~20.0mm	50mm	-	-	±1.5µm	1.5µm

60030

YK-EC 精密陶瓷針規

CERAMIC PIN GAUGE

- Features 材質: Ceramic 陶瓷
- Proportion 比重: 6.0
- Hardness 硬度: HV1200
- Thermal expansion degree 膨脹: 11

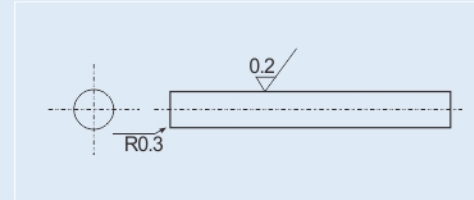


60040

YK-EH 精密針規

METAL PIN GAUGE

- Features 材質: Metal 工具鋼
- Proportion 比重: 7.8
- Hardness 硬度: HRC58-62°C
- Thermal expansion degree 膨脹: 11.5



選型表 Selection

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.01mm)	套装数量/支 Quantity(pcs)
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60030-0205	YK-EC-0A	0.20 0.21... 0.49 0.50	31
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60030-1015	YK-EC-1A	1.00 1.01... 1.49 1.50	51
60030-1520	YK-EC-1B	1.50 1.51... 1.99 2.00	51
60030-2025	YK-EC-2A	2.00 2.01... 2.49 2.50	51
60030-2530	YK-EC-2B	2.50 2.51... 2.99 3.00	51
60030-3035	YK-EC-3A	3.00 3.01... 3.49 3.50	51
60030-3540	YK-EC-3B	3.50 3.51... 3.99 4.00	51
60030-4045	YK-EC-4A	4.00 4.01... 4.49 4.50	51
60030-4550	YK-EC-4B	4.50 4.51... 4.99 5.00	51
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60030-5560	YK-EC-5B	5.50 5.51... 5.99 6.00	51
60030-6065	YK-EC-6A	6.00 6.01... 6.49 6.50	51
60030-6570	YK-EC-6B	6.50 6.51... 6.99 7.00	51
60030-7075	YK-EC-7A	7.00 7.01... 7.49 7.50	51
60030-7580	YK-EC-7B	7.50 7.51... 7.99 8.00	51
60030-8085	YK-EC-8A	8.00 8.01... 8.49 8.50	51
60030-8590	YK-EC-8B	8.50 8.51... 8.99 9.00	51
60030-9095	YK-EC-9A	9.00 9.01... 9.49 9.50	51
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60030-175180	YK-EC-17B	17.50 17.51...17.99 18.00	51
60030-180185	YK-EC-18A	18.00 18.01...18.49 18.50	51
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60030-190195	YK-EC-19A	19.00 19.01...19.49 19.50	51
60030-195200	YK-EC-19B	19.50 19.51...19.99 20.00	51

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技術參數 Technical Parameters

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		公差 Tolerance	圓度 Roundness	公差 Tolerance	圓度 Roundness
0.2mm~0.99mm	40mm	±0.5µm	0.3µm	±1µm	0.8µm
1.00mm~10.00mm	50mm	±0.5µm	0.3µm	±1µm	0.8µm
10.01mm~20.0mm	50mm	-	-	±1.5µm	1.5µm

選型表 Selection

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.005mm)	套装数量/支 Quantity(pcs)
60040-01025	YK-EH-0A	0.10 0.105... 0.245 0.25	31
60040-02505	YK-EH-0B	0.25 0.255... 0.495 0.50	51
60040-05075	YK-EH-0C	0.50 0.505... 0.745 0.75	51
60040-07510	YK-EH-0D	0.75 0.755... 0.995 1.00	51
60040-10125	YK-EH-1A	1.00 1.005... 1.245 1.25	51
60040-12515	YK-EH-1B	1.25 1.255... 1.495 1.50	51
60040-15175	YK-EH-1C	1.50 1.505... 1.745 1.75	51
60040-17520	YK-EH-1D	1.75 1.755... 1.995 2.00	51
60040-20225	YK-EH-2A	2.00 2.005... 2.245 2.25	51
60040-22525	YK-EH-2B	2.25 2.255... 2.495 2.50	51
60040-25275	YK-EH-2C	2.50 2.505... 2.745 2.75	51
60040-27530	YK-EH-2D	2.75 2.755... 2.995 3.00	51
60040-30325	YK-EH-3A	3.00 3.005... 3.245 3.25	51
60040-32535	YK-EH-3B	3.25 3.255... 3.495 3.50	51
60040-35375	YK-EH-3C	3.50 3.505... 3.745 3.75	51
60040-37540	YK-EH-3D	3.75 3.755... 3.995 4.00	51
60040-40425	YK-EH-4A	4.00 4.005... 4.245 4.25	51
60040-42545	YK-EH-4B	4.25 4.255... 4.495 4.50	51
60040-45475	YK-EH-4C	4.50 4.505... 4.745 4.75	51
60040-47550	YK-EH-4D	4.75 4.755... 4.995 5.00	51
60040-50525	YK-EH-5A	5.00 5.005... 5.245 5.25	51
60040-52555	YK-EH-5B	5.25 5.255... 5.495 5.50	51
60040-55575	YK-EH-5C	5.50 5.505... 5.745 5.75	51
60040-57560	YK-EH-5D	5.75 5.755... 5.995 6.00	51
60040-60625	YK-EH-6A	6.00 6.005... 6.245 6.25	51

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.005mm)	套装数量/支 Quantity(pcs)
60040-62565	YK-EH-6B	6.25 6.255... 6.495 6.50	51
60040-65675	YK-EH-6C	6.50 6.505... 6.745 6.75	51
60040-67570	YK-EH-6D	6.75 6.755... 6.995 7.00	51
60040-70725	YK-EH-7A	7.00 7.005... 7.245 7.25	51
60040-72575	YK-EH-7B	7.25 7.255... 7.495 7.50	51
60040-75775	YK-EH-7C	7.50 7.505... 7.745 7.75	51
60040-77580	YK-EH-7D	7.75 7.755... 7.995 8.00	51
60040-80825	YK-EH-8A	8.00 8.005... 8.245 8.25	51
60040-82585	YK-EH-8B	8.25 8.255... 8.495 8.50	51
60040-85875	YK-EH-8C	8.50 8.505... 8.745 8.75	51
60040-87590	YK-EH-8D	8.75 8.755... 8.995 9.00	51
60040-90925	YK-EH-9A	9.00 9.005... 9.245 9.25	51
60040-92595	YK-EH-9B	9.25 9.255... 9.495 9.50	51
60040-95975	YK-EH-9C	9.50 9.505... 9.745 9.75	51
60040-975100	YK-EH-9D	9.75 9.755... 9.995 10.00	51
60040-1001025	YK-EH-10A	10.00 10.005...10.245 10.25	51
60040-1025105	YK-EH-10B	10.25 10.255...10.495 10.50	51
60040-1051075	YK-EH-10C	10.50 10.505...10.745 10.75	51
60040-1075110	YK-EH-10D	10.75 10.755...10.995 11.00	51
60040-1201225	YK-EH-12A	12.00 12.005...12.245 12.25	51
60040-1225125	YK-EH-12B	12.25 12.255...12.495 12.50	51
60040-1251275	YK-EH-12C	12.50 12.505...12.745 12.75	51
60040-1275130	YK-EH-12D	12.75 12.755...12.995 13.00	51

※可單支訂購,特殊尺寸可定制。
※ can be single-order, special size can be customized.

技術參數 Technical Parameters

规格 Size	长度 Length	0 級 Class 0		1 級 Class 1	
		公差 Tolerance	圓度 Roundness	公差 Tolerance	圓度 Roundness
0.1mm~0.19mm	40mm	-	-	±1µm	0.8µm
0.2mm~0.99mm	40mm	±0.5µm	0.3µm	±1µm	0.8µm
1.00mm~10.00mm	50mm	±0.5µm	0.3µm	±1µm	0.8µm
10.01mm~20.0mm	50mm	-	-	±1.5µm	1.5µm

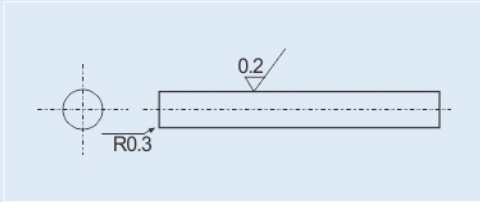
60050

YK-ES 高硬度不銹鋼針規



STAINLESS STEEL PIN GAUGE

- Features 材質: Stainless Steel 不銹鋼
- Proportion 比重: 7.8
- Hardness 硬度: HRC58-62°C
- Thermal expansion degree 膨脹: 11.5



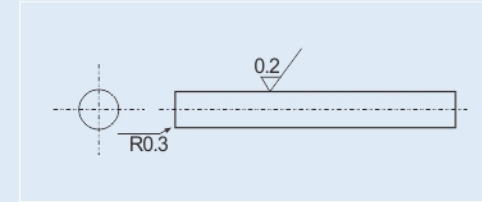
60060

YK-EU 高防腐不銹鋼針規



ANTI-CORROSION PIN GAUGE

- Features 材質: No Magnetism Stainless Steel 無磁不銹鋼
- Proportion 比重: 7.8
- Hardness 硬度: HV800-1200
- Thermal expansion degree 膨脹: 11.5



選型表 Selection

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.01mm)	套装数量/支 Quantity(pcs)
60050-0102	YK-ES-00	0.10 0.11...0.19 0.20	10
60050-0205	YK-ES-0A	0.20 0.21... 0.49 0.50	31
60050-0510	YK-ES-0B	0.50 0.51... 0.99 1.00	51
60050-1015	YK-ES-1A	1.00 1.01... 1.49 1.50	51
60050-1520	YK-ES-1B	1.50 1.51... 1.99 2.00	51
60050-2025	YK-ES-2A	2.00 2.01... 2.49 2.50	51
60050-2530	YK-ES-2B	2.50 2.51... 2.99 3.00	51
60050-3035	YK-ES-3A	3.00 3.01... 3.49 3.50	51
60050-3540	YK-ES-3B	3.50 3.51... 3.99 4.00	51
60050-4045	YK-ES-4A	4.00 4.01... 4.49 4.50	51
60050-4550	YK-ES-4B	4.50 4.51... 4.99 5.00	51
60050-5055	YK-ES-5A	5.00 5.01... 5.49 5.50	51
60050-5560	YK-ES-5B	5.50 5.51... 5.99 6.00	51
60050-6065	YK-ES-6A	6.00 6.01... 6.49 6.50	51
60050-6570	YK-ES-6B	6.50 6.51... 6.99 7.00	51
60050-7075	YK-ES-7A	7.00 7.01... 7.49 7.50	51
60050-7580	YK-ES-7B	7.50 7.51... 7.99 8.00	51
60050-8085	YK-ES-8A	8.00 8.01... 8.49 8.50	51
60050-8590	YK-ES-8B	8.50 8.51... 8.99 9.00	51
60050-9095	YK-ES-9A	9.00 9.01... 9.49 9.50	51
60050-95100	YK-ES-9B	9.50 9.51... 9.99 10.00	51
60050-100105	YK-ES-10A	10.00 10.01...10.49 10.50	51

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.01mm)	套装数量/支 Quantity(pcs)
60050-105110	YK-ES-10B	10.50 10.51...10.99 11.00	51
60050-110115	YK-ES-11A	11.00 11.01...11.49 11.50	51
60050-115120	YK-ES-11B	11.50 11.51...11.99 12.00	51
60050-120125	YK-ES-12A	12.00 12.01...12.49 12.50	51
60050-125130	YK-ES-12B	12.50 12.51...12.99 13.00	51
60050-130135	YK-ES-13A	13.00 13.01...13.49 13.50	51
60050-135140	YK-ES-13B	13.50 13.51...13.99 14.00	51
60050-140145	YK-ES-14A	14.00 14.01...14.49 14.50	51
60050-145150	YK-ES-14B	14.50 14.51...14.99 15.00	51
60050-150155	YK-ES-15A	15.00 15.01...15.49 15.50	51
60050-155160	YK-ES-15B	15.50 15.51...15.99 16.00	51
60050-160165	YK-ES-16A	16.00 16.01...16.49 16.50	51
60050-165170	YK-ES-16B	16.50 16.51...16.99 17.00	51
60050-170175	YK-ES-17A	17.00 17.01...17.49 17.50	51
60050-175180	YK-ES-17B	17.50 17.51...17.99 18.00	51
60050-180185	YK-ES-18A	18.00 18.01...18.49 18.50	51
60050-185190	YK-ES-18B	18.50 18.51...18.99 19.00	51
60050-190195	YK-ES-19A	19.00 19.01...19.49 19.50	51
60050-195200	YK-ES-19B	19.50 19.51...19.99 20.00	51

※可單支訂購,特殊尺寸可定制。
※ can be single-order, special size can be customized.

選型表 Selection

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.01mm)	套装数量/支 Quantity(pcs)
60060-0102	YK-EU-00	0.10 0.11...0.19 0.20	10
60060-0205	YK-EU-0A	0.20 0.21... 0.49 0.50	31
60060-0510	YK-EU-0B	0.50 0.51... 0.99 1.00	51
60060-1015	YK-EU-1A	1.00 1.01... 1.49 1.50	51
60060-1520	YK-EU-1B	1.50 1.51... 1.99 2.00	51
60060-2025	YK-EU-2A	2.00 2.01... 2.49 2.50	51
60060-2530	YK-EU-2B	2.50 2.51... 2.99 3.00	51
60060-3035	YK-EU-3A	3.00 3.01... 3.49 3.50	51
60060-3540	YK-EU-3B	3.50 3.51... 3.99 4.00	51
60060-4045	YK-EU-4A	4.00 4.01... 4.49 4.50	51
60060-4550	YK-EU-4B	4.50 4.51... 4.99 5.00	51
60060-5055	YK-EU-5A	5.00 5.01... 5.49 5.50	51
60060-5560	YK-EU-5B	5.50 5.51... 5.99 6.00	51
60060-6065	YK-EU-6A	6.00 6.01... 6.49 6.50	51
60060-6570	YK-EU-6B	6.50 6.51... 6.99 7.00	51
60060-7075	YK-EU-7A	7.00 7.01... 7.49 7.50	51
60060-7580	YK-EU-7B	7.50 7.51... 7.99 8.00	51
60060-8085	YK-EU-8A	8.00 8.01... 8.49 8.50	51
60060-8590	YK-EU-8B	8.50 8.51... 8.99 9.00	51
60060-9095	YK-EU-9A	9.00 9.01... 9.49 9.50	51
60060-95100	YK-EU-9B	9.50 9.51... 9.99 10.00	51
60060-100105	YK-EU-10A	10.00 10.01...10.49 10.50	51

订购编号 Order No.	型号 Model	Specification规格 Size(间隔0.01mm)	套装数量/支 Quantity(pcs)
60060-105110	YK-EU-10B	10.50 10.51...10.99 11.00	51
60060-110115	YK-EU-11A	11.00 11.01...11.49 11.50	51
60060-115120	YK-EU-11B	11.50 11.51...11.99 12.00	51
60060-120125	YK-EU-12A	12.00 12.01...12.49 12.50	51
60060-125130	YK-EU-12B	12.50 12.51...12.99 13.00	51
60060-130135	YK-EU-13A	13.00 13.01...13.49 13.50	51
60060-135140	YK-EU-13B	13.50 13.51...13.99 14.00	51
60060-140145	YK-EU-14A	14.00 14.01...14.49 14.50	51
60060-145150	YK-EU-14B	14.50 14.51...14.99 15.00	51
60060-150155	YK-EU-15A	15.00 15.01...15.49 15.50	51
60060-155160	YK-EU-15B	15.50 15.51...15.99 16.00	51
60060-160165	YK-EU-16A	16.00 16.01...16.49 16.50	51
60060-165170	YK-EU-16B	16.50 16.51...16.99 17.00	51
60060-170175	YK-EU-17A	17.00 17.01...17.49 17.50	51
60060-175180	YK-EU-17B	17.50 17.51...17.99 18.00	51
60060-180185	YK-EU-18A	18.00 18.01...18.49 18.50	51
60060-185190	YK-EU-18B	18.50 18.51...18.99 19.00	51
60060-190195	YK-EU-19A	19.00 19.01...19.49 19.50	51
60060-195200	YK-EU-19B	19.50 19.51...19.99 20.00	51

※可單支訂購,特殊尺寸可定制。
※ can be single-order, special size can be customized.

技術參數 Technical Parameters

规格 Size	长度 Length	0 級 Class 0		1 級 Class 1	
		公差 Tolerance	圓度 Roundness	公差 Tolerance	圓度 Roundness
0.1mm-0.19mm	40mm	-	-	±1µm	0.8µm
0.2mm-0.99mm	40mm	±0.5µm	0.3µm	±1µm	0.8µm
1.00mm-10.00mm	50mm	±0.5µm	0.3µm	±1µm	0.8µm
10.01mm-20.0mm	50mm	-	-	±1.5µm	1.5µm

CEGA產品三大優點 Advantages

- 不易生銹! 主要通過材料的成份優化改良。
- 高硬度! 主要經過多重熱處理工藝改良。硬度達HRC58°C以上
- 尺寸穩定! 通過超深冷-198°C處理
- Not easy to be rust! Mainly through optimization of material composition .
- High hardness! Mainly through multiple heat treatment process improvement. Hardness is above HRC58°C
- Dimension is very stable after - 198°C Ultra-cold Treatment.

技術參數 Technical Parameters

规格 Size	长度 Length	0 級 Class 0		1 級 Class 1	
		公差 Tolerance	圓度 Roundness	公差 Tolerance	圓度 Roundness
0.1mm-0.19mm	40mm	-	-	±1µm	0.8µm
0.2mm-0.99mm	40mm	±0.5µm	0.3µm	±1µm	0.8µm
1.00mm-10.00mm	50mm	±0.5µm	0.3µm	±1µm	0.8µm
10.01mm-20.0mm	50mm	-	-	±1.5µm	1.5µm

CEGA產品三大優點 Advantages

- 無磁防銹不生銹! 用於醫療和食品方面使用。
- 高硬度! 主要經過多重熱處理工藝改良。硬度達HV800-1200以上
- 尺寸穩定! 通過超深冷-198°C處理
- Won't be rust, no magnetism and anti-corrosion! Mainly used for Medical and food industry.
- High hardness! Mainly through multiple heat treatment process improvement. Hardness is above HV800-1200
- Dimension is very stable after - 198°C Ultra-cold Treatment.

60070

YK-VS/PL 針規手柄

Vise For Holding Pin Gauges.



CAGE針規手柄有着合理的設計源于日本技術延伸。

- (1)止規有紅標記通規有綠色標記。
- (2)材質鋁合金表面陽極處理，優點輕便美觀！

CAGE Vise with reasonable design which is the extension of Japanese technology
1.NO-GO pin with red mark and Go pin with green mark.
2.Aluminum material with anodizing, beauty and handness.

選型表 Selection

訂購編號 Order No	型號 Model	規格Specification (間隔Size)
60070-0110	YK-VS-0	0.10...1.00
60070-1020	YK-PL-1	1.00...2.00
60070-2030	YK-PL-2	2.00...3.00
60070-3040	YK-PL-3	3.00...4.00
60070-4050	YK-PL-4	4.00...5.00
60070-5060	YK-PL-5	5.00...6.00
60070-6070	YK-PL-6	6.00...7.00
60070-7080	YK-PL-7	7.00...8.00
60070-8090	YK-PL-8	8.00...9.00
60070-9010	YK-PL-9	9.00...10.00
60070-1011	YK-PL-10	10.00...11.00
60070-1112	YK-PL-11	11.00...12.00
60070-1213	YK-PL-12	12.00...13.00
60070-1314	YK-PL-13	13.00...14.00
60070-1415	YK-PL-14	14.00...15.00
60070-1516	YK-PL-15	15.00...16.00
60070-1617	YK-PL-16	16.00...17.00
60070-1718	YK-PL-17	17.00...18.00
60070-1819	YK-PL-18	18.00...19.00
60070-1920	YK-PL-19	19.00...20.00

包裝方式

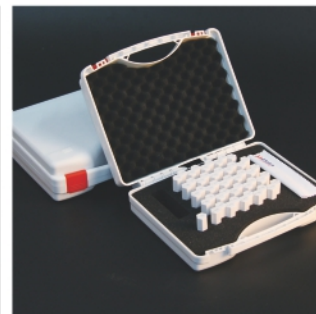
Package

單支獨立膠盒、套裝膠盒加紙合51支/套/100支/套、套裝木盒加紙合51支/套100支/套、套裝5套一紙箱。可根據客戶的要求自由組合，并可根據客戶的要求設計包裝。

Single packed in plastic box ;
Per set packed in plastic case with 51pcs or 100pcs/set ;
Per set packed in wooden case 51pcs /set or 100pcs/set
5 sets to be packed in one carton.
We can package as special requirements of customers and design the model.



單支針規包裝盒
Individual pin gauge 1pcs/box



套裝針規包裝51支/盒
Pin gauge set 51pcs / case



外紙盒
Carton Box



套裝5套一紙箱
Pin gauge sets 5 sets / carton



質量特徵

Quality Characteristics

白鋼 Steel

粗糙度: $\leq Ra0.20\mu m$
熱處理淬火: HRC58~62℃
surface roughness: $\leq Ra0.20\mu m$;
Heat treatment: HRC58~62℃

鎢鋼 Tungsten Carbide Steel

粗糙度: $\leq Ra0.20\mu m$
硬度: HRA89~92.5
Surface roughness: $\leq Ra0.20\mu m$
Heat treatment: HRA89~92.5

陶瓷 Ceramic

硬度高，耐磨性好
硬度: 大于1500HV.
High hardness and good wear-resisting,
hardness is above 1500HV.

不銹鋼 Stainless Steel

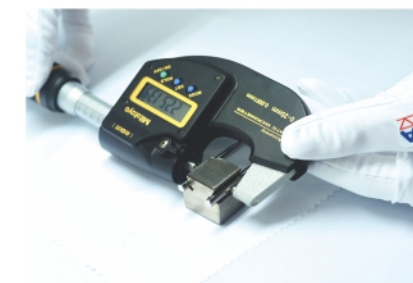
改良型SUS440C+Cr+Mo熱處理硬度: HRC:58~62℃;
SUS316 熱處理硬度HV ≤ 900 ; (CEGA獨有工藝)
Improved SUS440C+Cr+Mo Hardness :HRC58~62℃
SUS316 Hardness is below 900HV(CEGA special technology)

測量手法

Measurement technique



測槽寬
Measure Slot Width



測量溝槽
Measure Groove



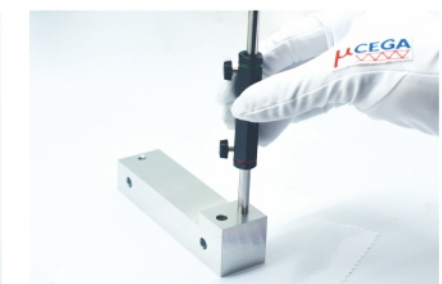
量具效對
Calibration Measurement Tooling



測齒距
Measure Gear Pitch



測孔距
Measure Hole Distance



測孔徑
Measure Hole Diameter