

Serie Collet Chuck

- Alta precisión y gran fuerza de cierre
- Conveniente para el cambio de herramienta
- Diversidad de modelos
- Diametro del Chuck $\varnothing 1.0\sim\varnothing 26.0\text{mm}$



Series Collet Chuck

| Portapinzas ER | Portapinzas ER de alta velocidad | Portapinzas ER de ultra alta velocidad |
|---|--|--|
|  |  |  |
| <p>SDC/P</p> <ul style="list-style-type: none"> - Diam. Max del Portapinzas ER $\varnothing 26.0\text{mm}$ - Para taladrado, fresado con fresas enterizas y escariado | <p>DSK</p> <ul style="list-style-type: none"> - Diam. Max del Portapinzas ER $\varnothing 20.0\text{mm}$ - Balanceado a G6.3 - Revoluciones Max.: 15,000rpm | <p>GSK</p> <ul style="list-style-type: none"> - Diam. Max del Portapinzas ER $\varnothing 25.0\text{mm}$ - Balanceado a G2.5 - Revoluciones Max.: 25,000rpm |

Pinza de alta precisión

- Tipo precisión: $5\ \mu\text{m}$ (GER-B)
- Tipo alta precisión: $2\ \mu\text{m}$ (GER-HP)
- Tipo refrigeración interior



- Tipo precisión
- Tipo alta precisión



- Tipo refrigeración interior



Portapinzas ER

SDC/P

- Adaptador boquilla ER, tipo estandar para maquinado general
- Diámetros aplicables: Ø1.0~Ø26.0

➤ **Boquilla de primera clase (Hecha en Suiza 🇨🇭)**



Boquillas de fácil acoplaje



Herramientas endurecidas con tratamiento especial



For SDC/P
(Para maquinado general)




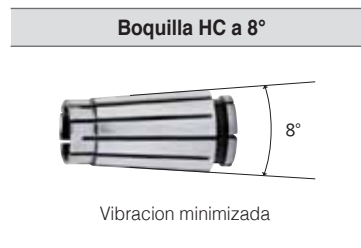
Boquilla para alta velocidad

DSK

- Disponible para maquinado a max.15,000 RPM y balanceo de G6.3
- Vibración de la herramienta minimizada durante el funcionamiento utilizando una boquilla 8°
- La tuerca de alta precisión hecha en suiza mejora la estabilidad
- Diámetro de vástago aplicable: Ø1.8~Ø25



| Tipo estandar & tipo precision | Designacion | Adaptador | Max a adaptar | Excentricidad |
|---|-------------|-----------|---------------|--------------------------|
|  | HC6-Ød | 10.5 | 6.0 | Estándar Tipo 5µm |
| | HC10-Ød | 15.5 | 10.0 | |
| | HC13-Ød | 20.1 | 13.0 | |
| | HC16-Ød | 24.6 | 16.0 | Precision Tipo 3µm |
| | HC20-Ød | 29.1 | 20.0 | |
| | HC25-Ød | 35.6 | 25.0 | |



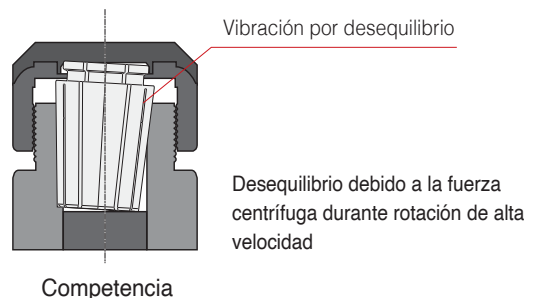
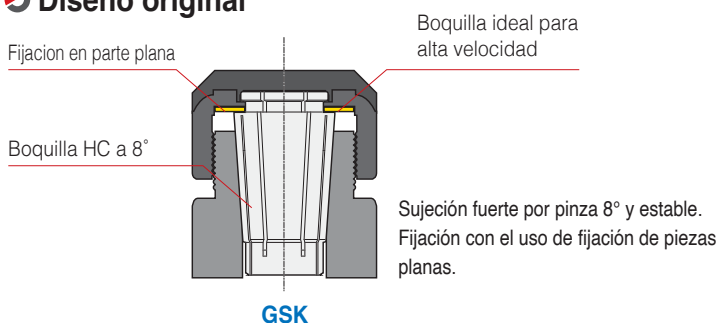
Adaptador fino de super velocidad

GSK

- Disponible para maquinado a max.25,000 RPM y balanceo de G6.3
- Mayor productividad gracias al mecanizado de alta velocidad.
- Vibración minimizada de la herramienta durante el funcionamiento mediante el uso de boquilla 8°
- La tuerca de alta precisión hecha en Suiza mejora la estabilidad al presionar el collar uniformemente
- Diámetro del vástago aplicable: Ø1.8~Ø25



➤ **Diseño original**



BT-SDC/P

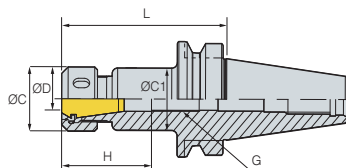


Fig. 1

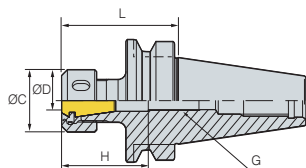


Fig. 2

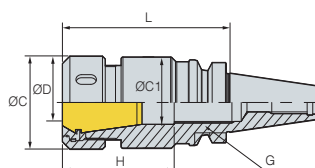


Fig. 3

(mm)

| Código | ØD | L | H | Portapinzas ER / rango | G | ØC | ØC1 | Fig. | |
|--------|-------------|----------|-----|------------------------|------------|-----|-----|------|---|
| BT30 - | SDC7P - 70 | 1.0~7.0 | 70 | 33 | GERC11/0.5 | M7 | 18 | 17 | 1 |
| | 100 | 1.0~7.0 | 100 | 33 | GERC11/0.5 | M7 | 18 | 17 | 1 |
| | SDC10P - 50 | 1.0~10.0 | 50 | 44.5 | GERC16/1.0 | M10 | 32 | - | 2 |
| | 70 | 1.0~10.0 | 70 | 44.5 | GERC16/1.0 | M10 | 32 | 31 | 1 |
| | 100 | 1.0~10.0 | 100 | 44.5 | GERC16/1.0 | M10 | 32 | 31 | 1 |
| | SDC13P - 50 | 1.0~13.0 | 50 | 49 | GERC20/1.0 | M7 | 35 | - | 2 |
| | 70 | 1.0~13.0 | 70 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | 100 | 1.0~13.0 | 100 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | SDC16P - 50 | 1.0~16.0 | 50 | 50 | GERC25/1.0 | M7 | 42 | - | 2 |
| | 70 | 1.0~16.0 | 70 | 50 | GERC25/1.0 | M18 | 42 | 41 | 1 |
| | 100 | 1.0~16.0 | 100 | 50 | GERC25/1.0 | M18 | 42 | 41 | 1 |
| | SDC20P - 60 | 1.0~20.0 | 60 | 60 | GERC32/1.0 | M7 | 50 | - | 2 |
| 90 | 1.0~20.0 | 90 | 60 | GERC32/1.0 | M22 | 50 | 49 | 3 | |
| 120 | 1.0~20.0 | 120 | 60 | GERC32/1.0 | M22 | 50 | 49 | 3 | |
| BT40 - | SDC7P - 70 | 1.0~7.0 | 70 | 33 | GERC11/0.5 | M7 | 18 | 17 | 1 |
| | 90 | 1.0~7.0 | 90 | 33 | GERC11/0.5 | M7 | 18 | 17 | 1 |
| | 130 | 1.0~7.0 | 130 | 33 | GERC11/0.5 | M7 | 18 | 17 | 1 |
| | SDC10P - 70 | 1.0~10.0 | 70 | 44.5 | GERC16/1.0 | M10 | 32 | 31 | 1 |
| | 90 | 1.0~10.0 | 90 | 44.5 | GERC16/1.0 | M10 | 32 | 31 | 1 |
| | 130 | 1.0~10.0 | 130 | 44.5 | GERC16/1.0 | M10 | 32 | 31 | 1 |
| | SDC13P - 70 | 1.0~13.0 | 70 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | 90 | 1.0~13.0 | 90 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | 130 | 1.0~13.0 | 130 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | 150 | 1.0~13.0 | 150 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | SDC16P - 70 | 1.0~16.0 | 70 | 50 | GERC25/1.0 | M18 | 42 | 41 | 1 |
| | 90 | 1.0~16.0 | 90 | 50 | GERC25/1.0 | M18 | 42 | 41 | 1 |
| | 130 | 1.0~16.0 | 130 | 50 | GERC25/1.0 | M18 | 42 | 41 | 1 |
| | SDC20P - 70 | 1.0~20.0 | 70 | 60 | GERC32/1.0 | M22 | 50 | - | 2 |
| | 90 | 1.0~20.0 | 90 | 60 | GERC32/1.0 | M22 | 50 | 49 | 1 |
| | 130 | 1.0~20.0 | 130 | 60 | GERC32/1.0 | M22 | 50 | 49 | 1 |
| | 150 | 1.0~20.0 | 150 | 60 | GERC32/1.0 | M22 | 50 | 49 | 1 |
| | SDC26P - 90 | 3.0~26.0 | 90 | 71 | GERC40/1.0 | M28 | 63 | 62 | 1 |

⊗ Piezas de refacción 126

• Sistema de lubricación interno es opcional

• Seleccione el portapinzas correcto para herramientas con refrigeración interior



BT-SDC/P

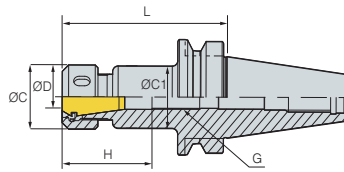


Fig. 1

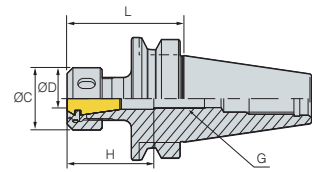


Fig. 2

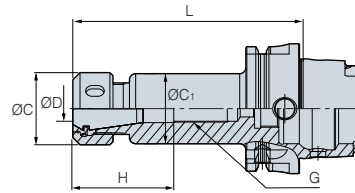
| | | | | | | | | | (mm) |
|--------|--------------|----------|-----|---------------------------|------------|-----|-----------------|------|------|
| Código | ØD | L | H | Portapinzas ER / rango | G | ØC | ØC ₁ | Fig. | |
| BT50 - | SDC10P - 100 | 1.0~10.0 | 100 | 44.5 | GERC16/1.0 | M10 | 32 | 31 | 1 |
| | 120 | 1.0~10.0 | 120 | 44.5 | GERC16/1.0 | M10 | 32 | 31 | 1 |
| | 160 | 1.0~10.0 | 160 | 44.5 | GERC16/1.0 | M10 | 32 | 31 | 1 |
| | SDC13P - 100 | 1.0~13.0 | 100 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | 130 | 1.0~13.0 | 130 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | 160 | 1.0~13.0 | 160 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | 180 | 1.0~13.0 | 180 | 49 | GERC20/1.0 | M13 | 35 | 34 | 1 |
| | SDC16P - 100 | 1.0~16.0 | 100 | 50 | GERC25/1.0 | M18 | 42 | 41 | 1 |
| | 160 | 1.0~16.0 | 160 | 50 | GERC25/1.0 | M18 | 42 | 41 | 1 |
| | SDC20P - 70 | 1.0~20.0 | 70 | 60 | GERC32/1.0 | M22 | 50 | - | 2 |
| | 100 | 1.0~20.0 | 100 | 60 | GERC32/1.0 | M22 | 50 | 49 | 1 |
| | 130 | 1.0~20.0 | 130 | 60 | GERC32/1.0 | M22 | 50 | 49 | 1 |
| | 160 | 1.0~20.0 | 160 | 60 | GERC32/1.0 | M22 | 50 | 49 | 1 |
| | 180 | 1.0~20.0 | 180 | 60 | GERC32/1.0 | M22 | 50 | 49 | 1 |
| | SDC26P - 160 | 3.0~26.0 | 160 | 71 | GERC40/1.0 | M28 | 63 | 62 | 1 |

➔ Piezas de refacción 126

• Sistema de lubricación interno es opcional

• Seleccione el portapinzas correcto para herramientas con refrigeración interior

HSK-SDC/P



(mm)



| Código | ØD | L | H | Portapinzas ER / rango | G | ØC | ØC ₁ | |
|-----------|--------------|----------|-----|------------------------|-----------|-----|-----------------|----|
| HSK63A - | SDC10P - 100 | 1.0~10.0 | 100 | 44.5 | GER16/1.0 | M10 | 32 | 31 |
| | SDC13P - 100 | 1.0~13.0 | 100 | 49 | GER20/1.0 | M7 | 35 | 34 |
| | SDC16P - 100 | 1.0~16.0 | 100 | 50 | GER25/1.0 | M7 | 42 | 41 |
| | SDC20P - 110 | 1.0~20.0 | 110 | 60 | GER32/1.0 | M7 | 50 | 49 |
| HSK100A - | SDC16P - 110 | 1.0~16.0 | 110 | 50 | GER25/1.0 | M13 | 42 | 41 |
| | SDC20P - 120 | 2.0~20.0 | 120 | 60 | GER32/1.0 | M10 | 50 | 49 |

🔧 Piezas de refacción 126

• Sistema de lubricación interno es opcional

• Seleccione el portapinzas correcto para herramientas con refrigeración interior

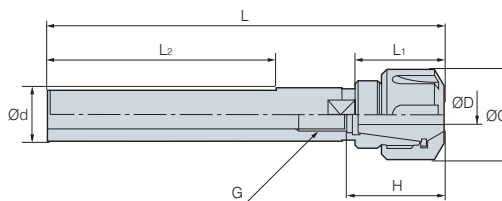
🔧 Partes

| División | Piezas de Refacción | | | |
|----------|---|---|---|---|
| | Básico | | Opcional | |
| | Tuerca de agarre | Tornillo de Ajuste | Llave | Portapinzas |
| Tipo |  |  |  |  |
| SDC7 | RN11 | BN0716F | 20-22 | GER/ER 11-ØD |
| SDC10 | RN16 | BN1025F | 32-35 | GER/ER 16-ØD |
| SDC13 | RN20 | BN1325F | 35-38 | GER/ER 20-ØD |
| SDC16 | RN25 | BN1830F | 42-46 | GER/ER 25-ØD |
| SDC20 | RN32 | BN2230F | 48-52 | GER/ER 32-ØD |
| SDC26 | RN40 | BN2838F | 62-65 | GER/ER 40-ØD |

• Notas: para RU20, encargue llaves de 35-38; para R20, llaves S-30



S-SDC



| Código | | ØD | Ød | ØC | L | L ₁ | L ₂ | H | Portapinzas ER / rango | G | (mm) |
|--------|--------------|----------|----|----|-----|----------------|----------------|------|---------------------------|-----|------|
| S16 - | SDC7 - 120M | 1.0~7.0 | 16 | 19 | 120 | - | - | 33 | GER11/0.5 | M7 | 0.2 |
| | 120T | 1.0~7.0 | 16 | 19 | 120 | - | 73 | 33 | GER11/0.5 | M7 | 0.2 |
| | SDC10 - 150T | 1.0~10.0 | 16 | 28 | 150 | 46.5 | 83 | 34.5 | GER16/1.0 | M10 | 0.2 |
| S20 - | SDC10 - 150M | 1.0~10.0 | 20 | 28 | 150 | 26.5 | - | 34.5 | GER16/1.0 | M10 | 0.3 |
| | 150T | 1.0~10.0 | 20 | 28 | 150 | 26.5 | 83 | 34.5 | GER16/1.0 | M10 | 0.3 |
| | SDC13 - 150M | 1.0~13.0 | 20 | 35 | 150 | 50 | - | 49 | GER20/1.0 | M13 | 0.3 |
| | 150T | 1.0~13.0 | 20 | 35 | 150 | 50 | 83 | 49 | GER20/1.0 | M13 | 0.3 |
| S25 - | SDC10 - 150M | 1.0~10.0 | 25 | 28 | 150 | - | - | 34.5 | GER16/1.0 | M10 | 0.5 |
| | 150T | 1.0~10.0 | 25 | 28 | 150 | - | 83 | 34.5 | GER16/1.0 | M10 | 0.5 |
| | SDC13 - 150M | 1.0~13.0 | 25 | 35 | 150 | - | - | 49 | GER20/1.0 | M13 | 0.5 |
| | 150T | 1.0~13.0 | 25 | 35 | 150 | - | 83 | 49 | GER20/1.0 | M13 | 0.5 |
| S32 - | SDC13 - 150M | 1.0~13.0 | 32 | 35 | 150 | - | - | 49 | GER20/1.0 | M13 | 0.7 |
| | 150T | 1.0~13.0 | 32 | 35 | 150 | - | 83 | 49 | GER20/1.0 | M13 | 0.7 |
| | SDC20 - 165M | 2.0~20.0 | 32 | 50 | 165 | - | - | 60 | GER32/1.0 | M22 | 0.7 |
| | 165T | 2.0~20.0 | 32 | 50 | 165 | - | 83 | 60 | GER32/1.0 | M22 | 0.7 |

➔ Piezas de refacción 128

• Sistema de lubricación interno es opcional



S-SDC/S

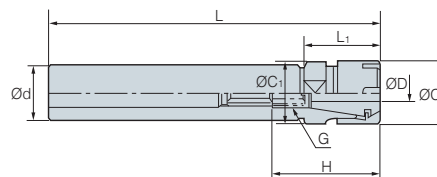


Fig. 1

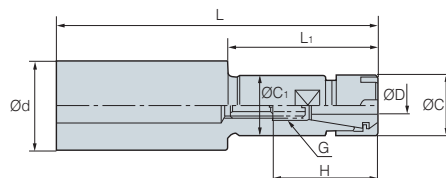



Fig. 2

(mm)

| Código | ØD | Ød | ØC | L | L1 | H | Portapinzas ER / rango | G |  | |
|--------------|----------------------|----------|----------|----|-----|-----|------------------------|-----------|---|-----|
| S16 - | SDC7S - 100M | 1.0~7.0 | 16 | 16 | 100 | - | 33 | GER11/0.5 | M7 | 0.2 |
| | | 150M | 1.0~7.0 | 16 | 16 | 150 | - | 33 | GER11/0.5 | M7 |
| | SDC10S - 100M | 1.0~10.0 | 16 | 22 | 100 | 50 | 44.5 | GER16/1.0 | M10 | 0.3 |
| | | 150M | 1.0~10.0 | 16 | 22 | 150 | 50 | 44.5 | GER16/1.0 | M10 |
| S20 - | SDC7S - 100M | 1.0~7.0 | 20 | 16 | 100 | 30 | 35 | GER11/0.5 | M7 | 0.3 |
| | | 150M | 1.0~7.0 | 20 | 16 | 150 | 80 | 35 | GER11/0.5 | M7 |
| | SDC10S - 100M | 1.0~10.0 | 20 | 22 | 100 | 50 | 44.5 | GER16/1.0 | M10 | 0.3 |
| | | 150M | 1.0~10.0 | 20 | 22 | 150 | 50 | 44.5 | GER16/1.0 | M10 |
| | SDC13S - 100M | 1.0~13.0 | 20 | 28 | 100 | 50 | 49 | GER20/1.0 | M13 | 0.3 |
| | | 150M | 1.0~13.0 | 20 | 28 | 150 | 50 | 49 | GER20/1.0 | M13 |
| S25 - | SDC7S - 100M | 1.0~7.0 | 25 | 16 | 100 | 30 | 33 | GER11/0.5 | M7 | 0.4 |
| | | 150M | 1.0~7.0 | 25 | 16 | 150 | 80 | 33 | GER11/0.5 | M7 |
| | SDC10S - 100M | 1.0~10.0 | 25 | 22 | 100 | 30 | 44.5 | GER16/1.0 | M10 | 0.4 |
| | | 150M | 1.0~10.0 | 25 | 22 | 150 | 80 | 44.5 | GER16/1.0 | M10 |
| | SDC13S - 100M | 1.0~13.0 | 25 | 28 | 100 | - | 49 | GER20/1.0 | M13 | 0.5 |
| | | 150M | 1.0~13.0 | 25 | 28 | 150 | - | 49 | GER20/1.0 | M13 |
| | SDC16S - 100M | 1.0~16.0 | 25 | 35 | 100 | 50 | 50 | GER25/1.0 | M18 | 0.5 |
| | | 150M | 1.0~16.0 | 25 | 35 | 150 | 50 | 50 | GER25/1.0 | M18 |
| S32 - | SDC16S - 120M | 1.0~16.0 | 32 | 35 | 120 | - | 50 | GER25/1.0 | M18 | 1 |
| | | 150M | 1.0~16.0 | 32 | 35 | 150 | - | 50 | GER25/1.0 | M18 |

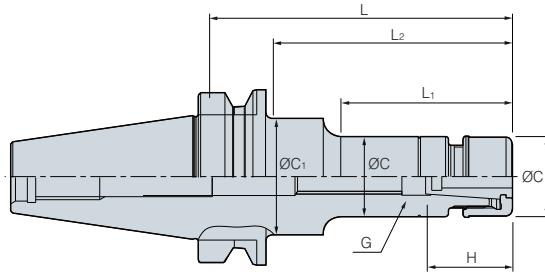
• Sistema de lubricación interno es opcional


Partes


| División | Piezas de Refacción | | | |
|---------------|---|---|--|---|
| | Básico | | Opcional | |
| | Tuerca | Tornillo de Ajuste | Llave | (G)ER Portapinzas |
| Tipo |  |  |  |  |
| SDC7S | R11M | BN0716F | M11M | (G)ER 11-ØD |
| SDC10S | R16M | BN1025F | M16M | (G)ER 16-ØD |
| SDC13S | R20M | BN1325F | M20M | (G)ER 20-ØD |
| SDC16S | R25M | BN1830F | M25M | (G)ER 25-ØD |



BT-GSK

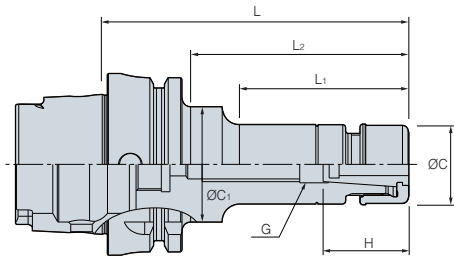


| Código | | ØD | L | L ₁ | L ₂ | H | Portapinzas ER / rango | G | ØC | ØC ₁ |  kg | Rpm máximas |
|------------|-------------|-----------|------|----------------|----------------|----------|---------------------------|-----|------|-----------------|--|----------------|
| BT30 - | GSK6 - 60 | 1.0~6.0 | 60 | 33 | 33 | 35 | HC6/0.5 | M8 | 19.5 | 19.5 | 0.7 | 25,000 |
| | 90 | 1.0~6.0 | 90 | 56 | 65 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 0.8 | 25,000 |
| | GSK10 - 60 | 2.0~10.0 | 60 | 35 | 35 | 50 | HC10/0.5 | M12 | 27 | 27 | 0.9 | 25,000 |
| | 90 | 2.0~10.0 | 90 | 65 | 65 | 50 | HC10/0.5 | M12 | 27 | 27 | 1.0 | 25,000 |
| | GSK13 - 60 | 3.0~13.0 | 60 | 36 | 36 | 43 | HC13/1.0 | M12 | 35 | 35 | 0.6 | 25,000 |
| | GSK16 - 60 | 3.0~16.0 | 60 | 37 | 37 | 60 | HC16/0.5 | M12 | 40 | 40 | 1.1 | 25,000 |
| | 90 | 3.0~16.0 | 90 | 67 | 67 | 60 | HC16/0.5 | M18 | 40 | 40 | 1.2 | 25,000 |
| GSK25 - 90 | 16.0~25.0 | 90 | 67.5 | 67.5 | 63.5 | HC25/0.5 | M12 | 55 | 55 | 1.1 | 25,000 | |
| BT40 - | GSK6 - 90 | 1.0~6.0 | 90 | 51 | 61 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 1.1 | 20,000 |
| | 120 | 1.0~6.0 | 120 | 60 | 90 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 1.4 | 20,000 |
| | 150 | 1.0~6.0 | 150 | 60 | 120 | 35 | HC6/0.5 | M8 | 19.5 | 25 | 1.5 | 20,000 |
| | GSK10 - 90 | 2.0~6.0 | 90 | 48 | 60 | 50 | HC10/0.5 | M12 | 27 | 40 | 1.2 | 20,000 |
| | 120 | 2.0~6.0 | 120 | 73 | 90 | 50 | HC10/0.5 | M12 | 27 | 40 | 1.4 | 20,000 |
| | 150 | 2.0~6.0 | 150 | 73 | 118 | 50 | HC10/0.5 | M12 | 27 | 34.5 | 1.6 | 20,000 |
| | GSK13 - 90 | 3.0~13.0 | 90 | 59 | 59 | 43 | HC13/1.0 | M15 | 35 | 35 | 1.4 | 20,000 |
| | GSK16 - 90 | 3.0~16.0 | 90 | 58 | 58 | 60 | HC16/0.5 | M18 | 40 | 40 | 1.5 | 20,000 |
| | 120 | 3.0~16.0 | 120 | 88 | 88 | 60 | HC16/0.5 | M18 | 40 | 40 | 1.7 | 20,000 |
| | 150 | 3.0~16.0 | 150 | 118 | 118 | 60 | HC16/0.5 | M18 | 40 | 40 | 1.9 | 20,000 |
| | GSK20 - 90 | 4.0~20.0 | 90 | 60 | 60 | 70 | HC20/0.5 | M22 | 48 | 48 | 1.6 | 20,000 |
| | 120 | 4.0~20.0 | 120 | 90 | 90 | 70 | HC20/0.5 | M22 | 48 | 48 | 2.0 | 20,000 |
| | GSK25- 90 | 16.0~25.0 | 90 | 61 | 61 | 75 | HC25/0.5 | M28 | 55 | 55 | 1.8 | 20,000 |
| | 120 | 16.0~25.0 | 120 | 91 | 91 | 85 | HC25/0.5 | M28 | 55 | 55 | 2.0 | 20,000 |
| BT50 - | GSK6 - 105 | 1.0~6.0 | 105 | 55 | 64 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 3.8 | 15,000 |
| | 135 | 1.0~6.0 | 135 | 60 | 92 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 3.9 | 15,000 |
| | 165 | 1.0~6.0 | 165 | 60 | 114 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 4.0 | 15,000 |
| | GSK10 - 105 | 2.0~10.0 | 105 | 57 | 57 | 50 | HC10/0.5 | M12 | 27 | 27 | 3.8 | 15,000 |
| | 135 | 2.0~10.0 | 135 | 70 | 92 | 50 | HC10/0.5 | M12 | 27 | 32 | 4.0 | 15,000 |
| | 165 | 2.0~10.0 | 165 | 75 | 114 | 50 | HC10/0.5 | M12 | 27 | 36 | 4.2 | 15,000 |
| | GSK13 - 135 | 3.0~13.0 | 135 | 92 | 92 | 43 | HC13/1.0 | M15 | 35 | 35 | 4.2 | 15,000 |
| | GSK16 - 105 | 3.0~16.0 | 105 | 62 | 62 | 60 | HC16/0.5 | M18 | 40 | 40 | 4.1 | 15,000 |
| | 135 | 3.0~16.0 | 135 | 92 | 92 | 60 | HC16/0.5 | M18 | 40 | 40 | 4.3 | 15,000 |
| | 165 | 3.0~16.0 | 165 | 40 | 122 | 60 | HC16/0.5 | M18 | 40 | 50 | 4.5 | 15,000 |
| | GSK20 - 105 | 4.0~20.0 | 105 | 62 | 62 | 70 | HC20/0.5 | M22 | 48 | - | 4.3 | 15,000 |
| | 135 | 4.0~20.0 | 135 | 92 | 92 | 70 | HC20/0.5 | M22 | 48 | - | 4.6 | 15,000 |
| | 165 | 4.0~20.0 | 165 | 122 | 122 | 70 | HC20/0.5 | M22 | 48 | - | 5.0 | 15,000 |
| | GSK25 - 105 | 16.0~25.0 | 105 | 62 | 62 | 85 | HC25/0.5 | M28 | 55 | 55 | 4.8 | 15,000 |
| | 135 | 16.0~25.0 | 135 | 92 | 92 | 85 | HC25/0.5 | M28 | 55 | 55 | 5.2 | 15,000 |
| 165 | 16.0~25.0 | 165 | 122 | 122 | 85 | HC25/0.5 | M28 | 55 | 55 | 5.6 | 15,000 | |

 Piezas de refacción 130



HSK-GSK



(mm)

| Código | ØD | L ₁ | L ₂ | H | Portapinzas ER / rango | G | ØC | ØC ₁ | Rpm máximas | |
|-----------|-------------|----------------|----------------|-----|------------------------|----------|-----|-----------------|-------------|--------|
| HSK63A - | GSK6 - 100 | 1.0~6.0 | 51 | 61 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 20,000 |
| | GSK10 - 105 | 2.0~6.0 | 73 | 118 | 50 | HC10/0.5 | M12 | 27 | 34.5 | 20,000 |
| | GSK16 - 120 | 3.0~16.0 | 58 | 58 | 60 | HC16/0.5 | M18 | 40 | 40 | 20,000 |
| | GSK20 - 120 | 4.0~20.0 | 60 | 60 | 70 | HC20/0.5 | M22 | 48 | 48 | 20,000 |
| HSK100A - | GSK6 - 120 | 1.0~6.0 | 55 | 64 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 15,000 |
| | GSK10 - 120 | 2.0~10.0 | 57 | 57 | 50 | HC10/0.5 | M12 | 27 | 27 | 15,000 |
| | GSK16 - 140 | 3.0~16.0 | 62 | 62 | 60 | HC16/0.5 | M18 | 40 | 40 | 15,000 |
| | GSK25 - 155 | 16.0~25.0 | 62 | 62 | 85 | HC25/0.5 | M28 | 55 | 55 | 15,000 |

Partes

| División | Piezas de Refacción | | |
|----------|---|---|---|
| | Básico | | |
| | Tuerca | Tornillo de Ajuste | Extractor de pinza |
| Tipo |  |  |  |
| GSK6 | GN6 | M820C | GSK-6CE |
| GSK10 | GN10 | M1230C | GSK-10CE |
| GSK13 | GN13 | BN1530F | GSK-13CE |
| GSK16 | GN16 | BN1830F | GSK-16CE |
| GSK20 | GN20 | BN2230F | GSK-20CE |
| GSK25 | GN25 | BN2838F | GSK-25CE |

Llave (Opcional)



| Código |
|--------|
| GSK6 |
| GSK10 |
| GSK13 |
| GSK16 |
| GSK20 |
| GSK25 |



Portapinzas ER de diámetro reducido

DSK

- Equilibrio G6.3 disponible para maquinado a max. 15,000 RPM
- Vibración minimizada de la herramienta durante el funcionamiento mediante el uso de boquilla 8°
- La tuerca de alta precisión de fabricación suiza mejora la estabilidad
- Diámetro del vástago aplicable: Ø1.8~Ø25



➤ Sistema de codificación



➤ Boquilla de primera clase (Hecha en Suiza )

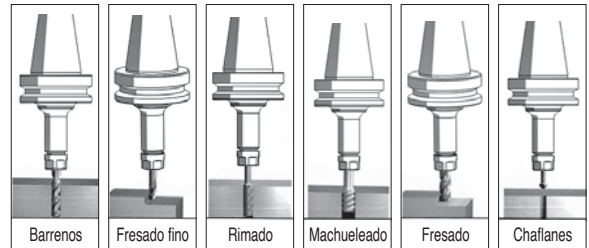


Boquillas de fácil acoplaje

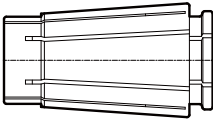


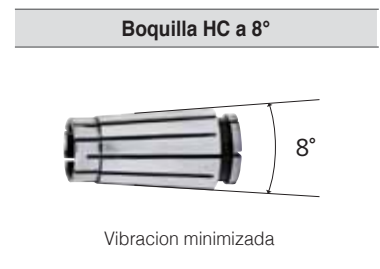
Herramientas endurecidas con tratamiento especial

➤ Aplicaciones multifuncionales




➤ Portapinzas

| Tipo estandar & tipo precision | Designacion | Adaptador | Max a adaptar | Excentricidad |
|---|-------------|-----------|---------------|--------------------|
|  | HC6-Ød | 10.5 | 6.0 | Estándar Tipo 5µm |
| | HC10-Ød | 15.5 | 10.0 | |
| | HC13-Ød | 20.1 | 13.0 | Precision Tipo 3µm |
| | HC16-Ød | 24.6 | 16.0 | |
| | HC20-Ød | 29.1 | 20.0 | |
| | HC25-Ød | 35.6 | 25.0 | |



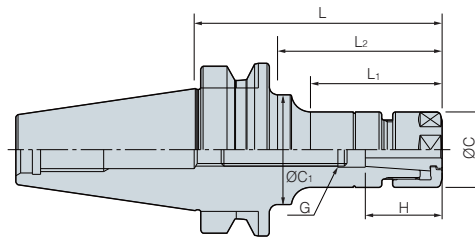
➤ Llave (opcional)

|  <p>Llave</p> | Código | Chuck |
|--|--------|--------|
| | DSS-6 | DSK-6 |
| | DSS-10 | DSK-10 |
| | DSS-16 | DSK-16 |
| | DSS-20 | DSK-20 |
| | DSS-25 | DSK-25 |


|  <p>Extractor de pinza</p> | Código | Chuck |
|--|--------|--------|
| | DSS-6 | DSK-6 |
| | DSS-10 | DSK-10 |
| | DSS-16 | DSK-16 |
| | DSS-20 | DSK-20 |
| | DSS-25 | DSK-25 |



BT-DSK



(mm)

| Código | | ØD | L | L ₁ | L ₂ | H | Portapinzas ER / rango | G | ØC | ØC ₁ |  kg | Rpm máximas |
|------------|------------|-----------|------|----------------|----------------|----------|------------------------|-----|------|-----------------|--|-------------|
| BT30 - | DSK6 - 60 | 1.0~6.0 | 60 | 33 | 33 | 35 | HC6/0.5 | M8 | 19.5 | 19.5 | 0.7 | 15,000 |
| | 90 | 1.0~6.0 | 90 | 56 | 65 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 0.8 | 15,000 |
| | DSK10- 60 | 2.0~10.0 | 60 | 35 | 35 | 50 | HC10/0.5 | M12 | 27.5 | 27.5 | 0.9 | 15,000 |
| | 90 | 2.0~10.0 | 90 | 65 | 65 | 50 | HC10/0.5 | M12 | 27.5 | 27.5 | 1.0 | 15,000 |
| | DSK13 - 60 | 3.0~13.0 | 60 | 36 | 36 | 43 | HC13/0.5 | M12 | 33 | 33 | 0.6 | 15,000 |
| | DSK16 - 60 | 3.0~16.0 | 60 | 37 | 37 | 60 | HC16/0.5 | M12 | 40 | 40 | 1.1 | 15,000 |
| | 90 | 3.0~16.0 | 90 | 67 | 67 | 60 | HC16/0.5 | M18 | 40 | 40 | 1.2 | 15,000 |
| DSK25 - 90 | 16.0~25.0 | 90 | 67.5 | 67.5 | 63.5 | HC25/0.5 | M12 | 55 | 55 | 1.1 | 15,000 | |
| BT40 - | DSK6 - 90 | 1.0~6.0 | 90 | 51 | 61 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 1.1 | 10,000 |
| | 120 | 1.0~6.0 | 120 | 60 | 90 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 1.4 | 10,000 |
| | 150 | 1.0~6.0 | 150 | 60 | 120 | 35 | HC6/0.5 | M8 | 19.5 | 25 | 1.5 | 10,000 |
| | DSK10 - 90 | 2.0~6.0 | 90 | 48 | 60 | 50 | HC10/0.5 | M12 | 27.5 | 40 | 1.2 | 10,000 |
| | 120 | 2.0~6.0 | 120 | 73 | 90 | 50 | HC10/0.5 | M12 | 27.5 | 40 | 1.4 | 10,000 |
| | 150 | 2.0~6.0 | 150 | 73 | 118 | 50 | HC10/0.5 | M12 | 27.5 | 34.5 | 1.6 | 10,000 |
| | DSK13 - 90 | 3.0~13.0 | 90 | 59 | 59 | 43 | HC13/1.0 | M15 | 33 | 33 | 1.4 | 10,000 |
| | DSK16 - 90 | 3.0~16.0 | 90 | 58 | 58 | 60 | HC16/0.5 | M18 | 40 | 40 | 1.5 | 10,000 |
| | 120 | 3.0~16.0 | 120 | 88 | 88 | 60 | HC16/0.5 | M18 | 40 | 40 | 1.7 | 10,000 |
| | 150 | 3.0~16.0 | 150 | 118 | 118 | 60 | HC16/0.5 | M18 | 40 | 40 | 1.9 | 10,000 |
| | DSK20 - 90 | 4.0~20.0 | 90 | 60 | 60 | 70 | HC20/0.5 | M22 | 46.5 | 48.5 | 1.6 | 10,000 |
| | 120 | 4.0~20.0 | 120 | 90 | 90 | 70 | HC20/0.5 | M22 | 46.5 | 48.5 | 2.0 | 10,000 |
| | DSK25 - 90 | 16.0~25.0 | 90 | 61 | 61 | 75 | HC25/0.5 | M28 | 55 | 55 | 1.8 | 10,000 |
| | 120 | 16.0~25.0 | 120 | 91 | 91 | 85 | HC25/0.5 | M28 | 55 | 55 | 2.0 | 10,000 |

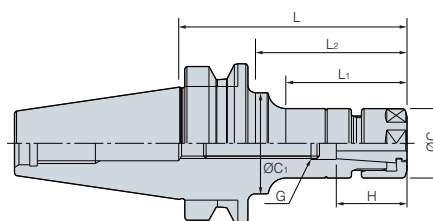
 Piezas de refacción 133


• Sistema de lubricación interno es opcional

• Se recomiendan las boquillas de refrigerante cuando se usa el sistema de refrigerante



BT-DSK



| | | | | | | | | | | | | | (mm) |
|--------|---------|-----------|-----------|-----|----------------|----------------|----------|---------------------------|-----|------|-----------------|--|----------------|
| Código | | | ØD | L | L ₁ | L ₂ | H | Portapinzas ER / rango | G | ØC | ØC ₁ |  kg | Rpm máximas |
| BT50 - | DSK6 - | 105 | 1.0~6.0 | 105 | 55 | 64 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 3.8 | 8,000 |
| | | 135 | 1.0~6.0 | 135 | 60 | 92 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 3.9 | 8,000 |
| | | 165 | 1.0~6.0 | 165 | 60 | 114 | 35 | HC6/0.5 | M8 | 19.5 | 32 | 4.0 | 8,000 |
| | DSK10 - | 105 | 2.0~10.0 | 105 | 57 | 57 | 50 | HC10/0.5 | M12 | 27.5 | 27.5 | 3.8 | 8,000 |
| | | 135 | 2.0~10.0 | 135 | 70 | 92 | 50 | HC10/0.5 | M12 | 27.5 | 32 | 4.0 | 8,000 |
| | | 165 | 2.0~10.0 | 165 | 75 | 114 | 50 | HC10/0.5 | M12 | 27.5 | 36 | 4.2 | 8,000 |
| | DSK13 - | 135 | 3.0~13.0 | 135 | 92 | 92 | 43 | HC13/1.0 | M15 | 33 | 33 | 4.2 | 8,000 |
| | DSK16 - | 105 | 3.0~16.0 | 105 | 62 | 62 | 60 | HC16/0.5 | M18 | 40 | 40 | 4.1 | 8,000 |
| | | 135 | 3.0~16.0 | 135 | 92 | 92 | 60 | HC16/0.5 | M18 | 40 | 40 | 4.3 | 8,000 |
| | | 165 | 3.0~16.0 | 165 | 40 | 122 | 60 | HC16/0.5 | M18 | 40 | 50 | 4.5 | 8,000 |
| | DSK20 - | 105 | 4.0~20.0 | 105 | 62 | 62 | 70 | HC20/0.5 | M22 | 48.5 | - | 4.3 | 8,000 |
| | | 135 | 4.0~20.0 | 135 | 92 | 92 | 70 | HC20/0.5 | M22 | 48.5 | - | 4.6 | 8,000 |
| | | 165 | 4.0~20.0 | 165 | 122 | 122 | 70 | HC20/0.5 | M22 | 48.5 | - | 5.0 | 8,000 |
| | DSK25 - | 105 | 16.0~25.0 | 105 | 62 | 62 | 85 | HC25/0.5 | M28 | 55 | 55 | 4.8 | 8,000 |
| | | 135 | 16.0~25.0 | 135 | 92 | 92 | 85 | HC25/0.5 | M28 | 55 | 55 | 5.2 | 8,000 |
| 165 | | 16.0~25.0 | 165 | 122 | 122 | 85 | HC25/0.5 | M28 | 55 | 55 | 5.6 | 8,000 | |

• Sistema de lubricación interno es opcional

• Se recomiendan las boquillas de refrigerante cuando se usa el sistema de refrigerante

 Partes

| División | Piezas de Refacción | | |
|----------|---|---|---|
| | Opcional | | |
| | Tuerca | Tornillo de Ajuste | Llave |
| Tipo |  |  |  |
| DSK6 | DN6 | BN0825F | DSS-6 |
| DSK10 | DN10 | BN1225F | DSS10 |
| DSK16 | DN16 | BN1830F | DSS16 |
| DSK20 | DN20 | BN2230F | DSS20 |
| DSK25 | DN25 | BN2838F | DSS25 |

Información técnica para portapinzas GERC

GER Boquilla_GER

GERC *new*

- Pinza resistente a la corrosión a micro unidad
- Recubrimiento de alta tecnología para una precisión duradera
- Mayor vida útil de la herramienta y mayor productividad.



Sistema de codificación



Tecnología especial para recubrimiento

A diferencia de las pinzas GERC, las pinzas no recubiertas convencionales tienen las siguientes características:
Las pinzas no recubiertas se ven afectadas por la corrosión debido a la alta humedad, el fluido de corte, el limpiador, la sal, el gas y muchos otros factores, lo que en consecuencia deteriora toda la calidad del mecanizado.



Cuando un collar se oxida, la vida útil de la herramienta se reduce y la precisión disminuye considerablemente. Para prevenir este problema, el tratamiento de la superficie se aplicó una micro unidad a las pinzas GERC para una protección eficaz y larga precisión duradera.



GERC



Competencia

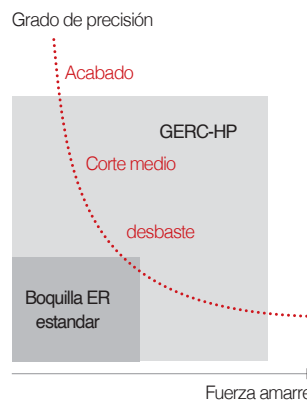
Dos muestras de pinzas después de 4 meses de uso. Izquierda: pinza GERC, derecha: sin recubrimiento

GERC-HP

Un mandril de precisión del tipo pinza es caro que Estándar, pero aún tiene más ventajas en largo. Término costo y eficiencia. Usando GERC-HP puede Minimizar el reprocesamiento caro debido a una menor tolerancia con máxima precisión

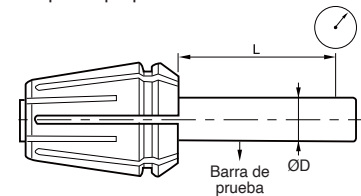


Boquilla tipo precisión 2 μ m



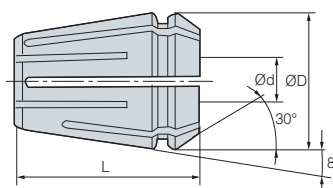
Precisión (L/D = 3)

Boquilla tipo estandar 5 μ m
Boquilla tipo precisión 2 μ m



GERC Portapinzas

Tipo de precisión / Tipo de alta precisión

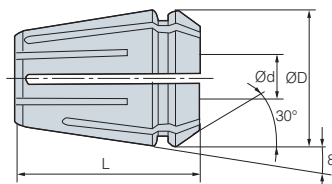


(mm)

| Código | Tamaño pinza | ØD | L | Ød (Max.) | Rango (mm) | Tolerancia | |
|----------------|--------------|------|------|-----------|------------|--------------|---------------------|
| | | | | | | General Tipo | Precisión Tipo (HP) |
| GER11 - Ød(HP) | 11 | 11.5 | 18.0 | 7.0 | 0.5 | 5 µm | 2 µm |
| GER16 - Ød(HP) | 16 | 17.0 | 27.5 | 10.0 | 1.0 | | |
| GER20 - Ød(HP) | 20 | 21.0 | 31.5 | 13.0 | 1.0 | | |
| GER25 - Ød(HP) | 25 | 26.0 | 34.0 | 16.0 | 1.0 | | |
| GER32 - Ød(HP) | 32 | 33.0 | 40.0 | 20.0 | 1.0 | | |
| GER40 - Ød(HP) | 40 | 41.0 | 46.0 | 26.0 | 1.0 | | |

ER Portapinzas

Tipo sistema de lubricación interno

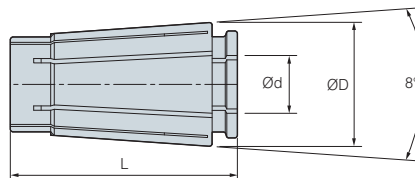


(mm)

| Código | Tamaño pinza | ØD | L | Ød (Max.) | Diámetro mínimo de tipo lubricante | Rango (mm) | Tolerancia |
|--------------|--------------|------|------|-----------|------------------------------------|------------|------------|
| ER11 - Ød | 11 | 11.5 | 18.0 | 7.0 | - | 0.5 | 10 µm |
| ER16 - Ød(C) | 16 | 17.0 | 27.5 | 10.0 | 4.0 | 1.0 | |
| ER20 - Ød(C) | 20 | 21.0 | 31.5 | 13.0 | 6.0 | 1.0 | |
| ER25 - Ød(C) | 25 | 26.0 | 34.0 | 16.0 | 6.0 | 1.0 | |
| ER32 - Ød(C) | 32 | 33.0 | 40.0 | 20.0 | 8.0 | 1.0 | |
| ER40 - Ød(C) | 40 | 41.0 | 46.0 | 26.0 | 10.0 | 1.0 | |

HC Portapinzas ER de diámetro reducido

Diámetro mínimo de tipo lubricante



(mm)

| Código | ØD | L | Ød (Max.) | Distance (mm) | Tolerancia | |
|--------------|------|------|-----------|---------------|--------------|---------------------|
| | | | | | General Tipo | Precisión Tipo (HP) |
| HC6 - Ød(P) | 10.5 | 25.0 | 6.0 | 1.0 | 5 µm | 3 µm |
| HC10 - Ød(P) | 15.6 | 30.5 | 10.0 | 1.0 | | |
| HC13 - Ød(P) | 20.1 | 39.0 | 13.0 | 1.0 | | |
| HC16 - Ød(P) | 24.6 | 45.0 | 16.0 | 1.0 | | |
| HC20 - Ød(P) | 29.2 | 54.3 | 20.0 | 1.0 | | |
| HC25 - Ød(P) | 35.7 | 57.0 | 25.0 | 1.0 | | |



GERC Portapinzas

Tipo de precisión



(mm)

| Código | Ød | Rango | Cantidad de portapinzas | Tolerancia |
|-------------------------|----------|-------|-------------------------|------------|
| GERC11 1.0-7.0mm/0.5mm | 1.0-7.0 | 0.5 | 13pcs | 5 µm |
| GERC16 1.0-10.0mm/1.0mm | 1.0-10.0 | 1.0 | 10pcs | 5 µm |
| GERC20 2.0-13.0mm/1.0mm | 2.0-13.0 | 1.0 | 12pcs | 5 µm |
| GERC25 2.0-16.0mm/1.0mm | 2.0-16.0 | 1.0 | 15pcs | 5 µm |
| GERC32 3.0-20.0mm/1.0mm | 3.0-20.0 | 1.0 | 18pcs | 5 µm |
| GERC40 4.0-26.0mm/1.0mm | 4.0-26.0 | 1.0 | 23pcs | 5 µm |

ER Portapinzas

General Tipo



(mm)

| Código | Ød | Rango | Cantidad de portapinzas | Tolerancia |
|-----------|----------|-------|-------------------------|------------|
| ER11(SET) | 1.5-7.0 | 0.5 | 12pcs | 10 µm |
| ER16(SET) | 2.0-10.0 | 1.0 | 10pcs | 10 µm |
| ER20(SET) | 2.0-13.0 | 1.0 | 12pcs | 10 µm |
| ER25(SET) | 2.0-16.0 | 1.0 | 15pcs | 10 µm |
| ER32(SET) | 3.0-20.0 | 1.0 | 18pcs | 10 µm |
| ER40(SET) | 6.0-26.0 | 1.0 | 21pcs | 15 µm |

