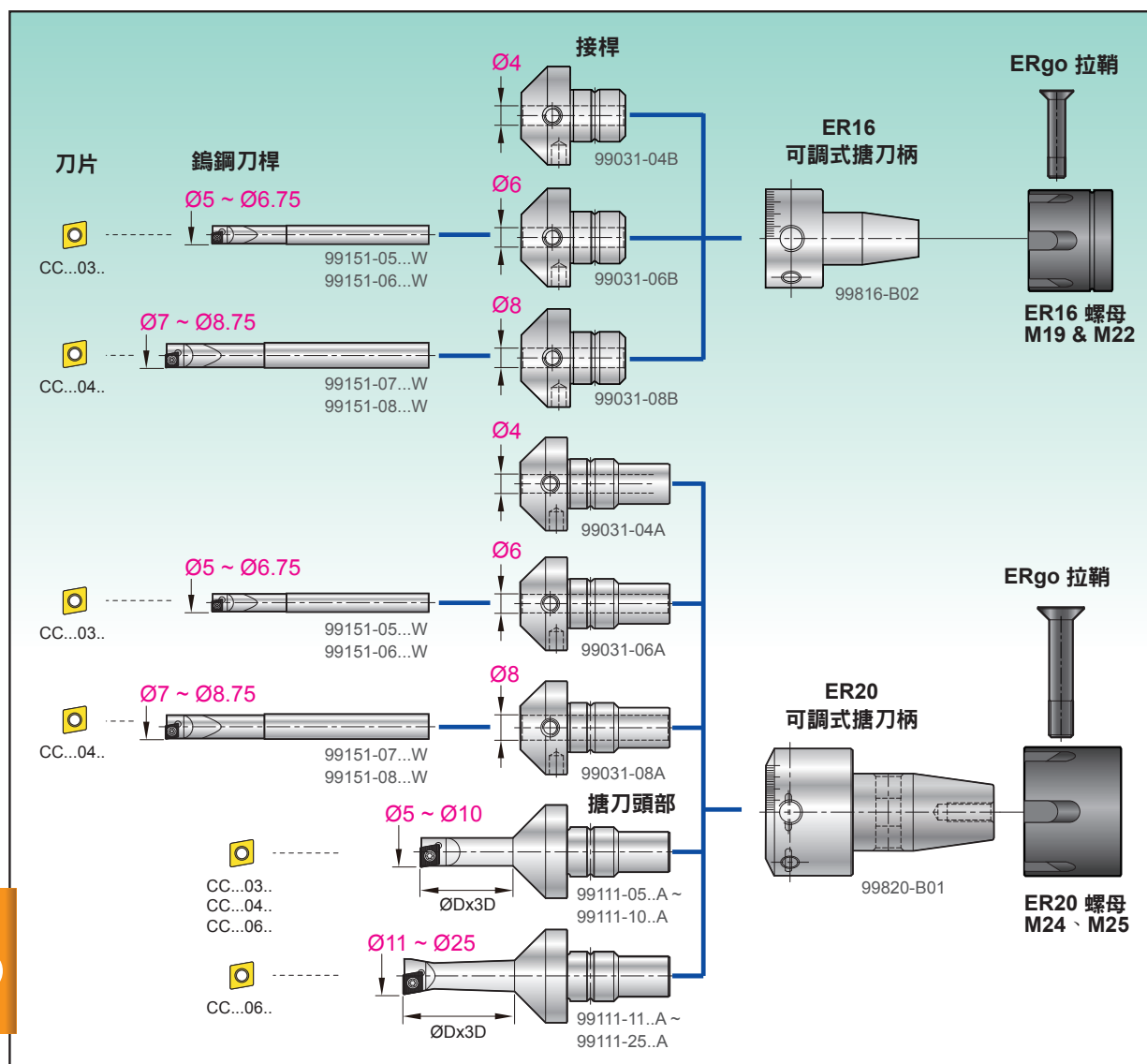


# ER16 / ER20 可調式深孔搪刀

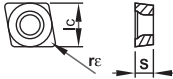


6

ERgo

▶ 刀片 >>

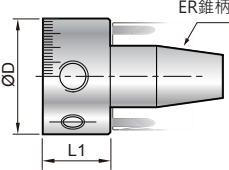
|        |  |  |  |  |                       |   |   |   |
|--------|--|--|--|--|-----------------------|---|---|---|
|        |  |  |  |  | ● 最好的   ◎ 合適的   ○ 可能的 |   |   |   |
|        |  |  |  |  | 材 質                   | P | M | N |
| NC30   |  |  |  |  | NC30                  | ● | ● |   |
| NC9036 |  |  |  |  | NC9036                |   |   | ● |
| NC2033 |  |  |  |  | NC2033                | ● | ● |   |
| NC9031 |  |  |  |  | NC9031                |   |   | ● |
| DM     |  |  |  |  | DM                    |   |   | ● |

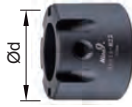
|              |        |       |      |                                                                                      |
|--------------|--------|-------|------|--------------------------------------------------------------------------------------|
| 訂購編號         |        | 鍍 層   | 材 質  |  |
| CCGT030102   | NC30   | TiAlN | K20F |                                                                                      |
|              | NC9036 | DLC   |      |                                                                                      |
| CCGT040102   | NC30   | TiAlN |      |                                                                                      |
|              | NC9036 | DLC   |      |                                                                                      |
| CCGW040102   | DM     | -     | DM   |                                                                                      |
| CCFT060204   | NC2033 | TiN   | K20F |                                                                                      |
|              | NC9036 | DLC   |      |                                                                                      |
| CCFT060204HP | NC9031 | TiN   |      |                                                                                      |
| CCMW060204   | DM     | -     |      |                                                                                      |

▶ 切削資料 >> 請參閱第 184 頁。

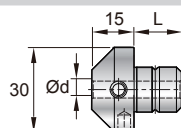
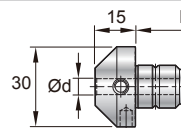
# ER16 / ER20 可調式深孔搪刀

## ► 本體刀桿與零配件 >>

| ER 錐柄 | 訂購編號      | Part No.   | 本體刀桿                                                                              | ØD | L1   | 適用接桿                                |
|-------|-----------|------------|-----------------------------------------------------------------------------------|----|------|-------------------------------------|
| ER16  | 99816-B02 | N9ER16-B02 |  | 30 | 17.5 | 99031-04B<br>99031-06B<br>99031-08B |
| ER20  | 99820-B01 | N9ER20-B01 |                                                                                   | 41 | 28   | 99031-04A<br>99031-06A<br>99031-08A |

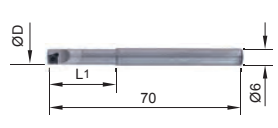
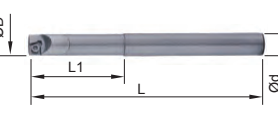
| ERgo 螺母套組                                                                                            |            | ERgo 螺母                                                                           |    |          |       | 高強度 ERgo 拉鞘                                                                        |    |      | L 型扳手                                                                               | ERgo 螺母扳手                                                                           |
|------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|----|----------|-------|------------------------------------------------------------------------------------|----|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <br>* 包含螺母、拉鞘和L型扳手。 |            |  |    |          |       |  |    |      |  |  |
| ER 錐柄                                                                                                | 訂購編號       | 訂購編號                                                                              | Ød | 牙距       | 扭力    | 訂購編號                                                                               | L  | 扭力   | 訂購編號                                                                                | 訂購編號                                                                                |
| ER16                                                                                                 | 99816-M19S | 99816-M19                                                                         | 25 | M19xP1.0 | 30 Nm | NS-50025                                                                           | 25 | 5 Nm | NK-LW3                                                                              | 99816-SP28                                                                          |
|                                                                                                      | 99816-M22S | 99816-M22                                                                         | 28 | M22xP1.5 | 30 Nm | NS-50028                                                                           | 28 | 5 Nm |                                                                                     |                                                                                     |
| ER20                                                                                                 | 99820-M24S | 99820-M24                                                                         | 34 | M24xP1.0 | 45 Nm | NS-60033                                                                           | 33 | 6 Nm | NK-LW4                                                                              | 99820-SP36                                                                          |
|                                                                                                      | 99820-M25S | 99820-M25                                                                         | 34 | M25xP1.5 | 45 Nm | NS-60033                                                                           | 33 | 6 Nm |                                                                                     |                                                                                     |

## ► 接桿 >>

| ER 錐柄 | 訂購編號      | Part No.  | 接桿                                                                                  | Ød | L     |
|-------|-----------|-----------|-------------------------------------------------------------------------------------|----|-------|
| ER16  | 99031-04B | C16-ID04B |  | 4  | 16.75 |
|       | 99031-06B | C16-ID04B |                                                                                     | 6  |       |
|       | 99031-08B | C16-ID04B |                                                                                     | 8  |       |
| ER20  | 99031-04A | C16-ID04A |  | 4  | 33    |
|       | 99031-06A | C16-ID06A |                                                                                     | 6  |       |
|       | 99031-08A | C16-ID08A |                                                                                     | 8  |       |

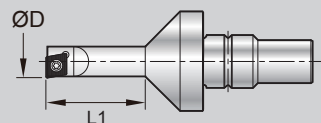
## ► 鎢鋼刀桿 >>

- Solid Carbide Shank
- Boring Depth : L1, 4xD

| 訂購編號        | Part No.     | ØD        | Ød | L1    | L  | 刀片/螺絲/扳手                                    | 圖示                                                                                    |
|-------------|--------------|-----------|----|-------|----|---------------------------------------------|---------------------------------------------------------------------------------------|
| 99151-0500W | C06-0500-20L | 4.87~5.12 | 6  | 20.00 | 70 | 刀片: CC..030102<br>螺絲: NS-16030<br>扳手: NK-T6 |  |
| 99151-0525W | C06-0525-20L | 5.12~5.37 | 6  | 20.00 | 70 |                                             |                                                                                       |
| 99151-0550W | C06-0550-22L | 5.37~5.62 | 6  | 22.00 | 70 |                                             |                                                                                       |
| 99151-0575W | C06-0575-22L | 5.62~5.87 | 6  | 22.00 | 70 |                                             |                                                                                       |
| 99151-0600W | C06-0600-24L | 5.87~6.12 | 6  | 24.00 | 70 |                                             |                                                                                       |
| 99151-0625W | C06-0625-24L | 6.12~6.37 | 6  | 24.00 | 70 |                                             |                                                                                       |
| 99151-0650W | C06-0650-26L | 6.37~6.62 | 6  | 26.00 | 70 |                                             |                                                                                       |
| 99151-0675W | C06-0675-26L | 6.62~6.87 | 6  | 26.00 | 70 | 刀片: CC..040102<br>螺絲: NS-20036<br>扳手: NK-T6 |  |
| 99151-0700W | C08-0700-28L | 6.87~7.12 | 8  | 28.00 | 85 |                                             |                                                                                       |
| 99151-0725W | C08-0725-28L | 7.12~7.37 | 8  | 28.00 | 85 |                                             |                                                                                       |
| 99151-0750W | C08-0750-30L | 7.37~7.62 | 8  | 30.00 | 85 |                                             |                                                                                       |
| 99151-0775W | C08-0775-30L | 7.62~7.87 | 8  | 30.00 | 85 |                                             |                                                                                       |
| 99151-0800W | C08-0800-32L | 7.87~8.12 | 8  | 32.00 | 85 |                                             |                                                                                       |
| 99151-0825W | C08-0825-32L | 8.12~8.37 | 8  | 32.00 | 85 |                                             |                                                                                       |
| 99151-0850W | C08-0850-34L | 8.37~8.62 | 8  | 34.00 | 85 |                                             |                                                                                       |
| 99151-0875W | C08-0875-34L | 8.62~8.87 | 8  | 34.00 | 85 |                                             |                                                                                       |

# ER20 搪刀頭部

► Ø5mm ~ Ø10mm  
搪刀頭部



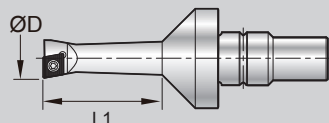
| 訂購編號        | Part No.     | ØD          | L1 | 刀片          | 扳手 / 螺絲                      |
|-------------|--------------|-------------|----|-------------|------------------------------|
| 99111-05A   | C16-0500-15L | 4.87-5.12   | 15 | CC...030102 | NK-T6 /<br>NS-16030<br>0.4Nm |
| 99111-0525A | C16-0525-15L | 5.12-5.37   | 15 |             |                              |
| 99111-0550A | C16-0550-15L | 5.37-5.62   | 15 |             |                              |
| 99111-0575A | C16-0575-15L | 5.62-5.87   | 15 |             |                              |
| 99111-06A   | C16-0600-18L | 5.87-6.12   | 18 |             |                              |
| 99111-0625A | C16-0625-18L | 6.12-6.37   | 18 |             |                              |
| 99111-0650A | C16-0650-18L | 6.37-6.62   | 18 |             |                              |
| 99111-0675A | C16-0675-18L | 6.62-6.87   | 18 |             |                              |
| 99111-07A   | C16-0700-21L | 6.87-7.12   | 21 | CC...040102 | NK-T6 /<br>NS-20036<br>0.6Nm |
| 99111-0725A | C16-0725-21L | 7.12-7.37   | 21 |             |                              |
| 99111-0750A | C16-0750-21L | 7.37-7.62   | 21 |             |                              |
| 99111-0775A | C16-0775-21L | 7.62-7.87   | 21 |             |                              |
| 99111-08A   | C16-0800-24L | 7.87-8.12   | 24 |             |                              |
| 99111-0825A | C16-0825-24L | 8.12-8.37   | 24 |             |                              |
| 99111-0850A | C16-0850-24L | 8.37-8.62   | 24 |             |                              |
| 99111-0875A | C16-0875-24L | 8.62-8.87   | 24 |             |                              |
| 99111-09A   | C16-0900-27L | 8.87-9.12   | 27 | CC...060204 | NK-T7 /<br>NS-25045<br>0.9Nm |
| 99111-0925A | C16-0925-27L | 9.12-9.37   | 27 |             |                              |
| 99111-0950A | C16-0950-27L | 9.37-9.62   | 27 |             |                              |
| 99111-0975A | C16-0975-27L | 9.62-9.87   | 27 |             |                              |
| 99111-10A   | C16-1000-30L | 9.87-10.12  | 30 |             |                              |
| 99111-1025A | C16-1025-30L | 10.12-10.37 | 30 |             |                              |
| 99111-1050A | C16-1050-30L | 10.37-10.62 | 30 |             |                              |
| 99111-1075A | C16-1075-30L | 10.62-10.87 | 30 |             |                              |

6

ERgo

# ER20 搪刀頭部

► Ø11mm ~ Ø25mm  
搪刀頭部



| 訂購編號        | Part No.     | ØD          | L1 | 刀片<br>扳手 / 螺絲                               | 訂購編號        | Part No.     | ØD          | L1 | 刀片<br>扳手 / 螺絲                               |
|-------------|--------------|-------------|----|---------------------------------------------|-------------|--------------|-------------|----|---------------------------------------------|
| 99111-11A   | C16-1100-33L | 10.87-11.12 | 33 | CC...060204<br>NK-T7 /<br>NS-25045<br>0.9Nm | 99111-18A   | C16-1800-50L | 17.87-18.12 | 50 | CC...060204<br>NK-T7 /<br>NS-25060<br>0.9Nm |
| 99111-1125A | C16-1125-33L | 11.12-11.37 | 33 |                                             | 99111-1825A | C16-1825-50L | 18.12-18.37 | 50 |                                             |
| 99111-1150A | C16-1150-33L | 11.37-11.62 | 33 |                                             | 99111-1850A | C16-1850-50L | 18.37-18.62 | 50 |                                             |
| 99111-1175A | C16-1175-33L | 11.62-11.87 | 33 |                                             | 99111-1875A | C16-1875-50L | 18.62-18.87 | 50 |                                             |
| 99111-12A   | C16-1200-36L | 11.87-12.12 | 36 |                                             | 99111-19A   | C16-1900-50L | 18.87-19.12 | 50 |                                             |
| 99111-1225A | C16-1225-36L | 12.12-12.37 | 36 |                                             | 99111-1925A | C16-1925-50L | 19.12-19.37 | 50 |                                             |
| 99111-1250A | C16-1250-36L | 12.37-12.62 | 36 |                                             | 99111-1950A | C16-1950-50L | 19.37-19.62 | 50 |                                             |
| 99111-1275A | C16-1275-36L | 12.62-12.87 | 36 |                                             | 99111-1975A | C16-1975-50L | 19.62-19.87 | 50 |                                             |
| 99111-13A   | C16-1300-39L | 12.87-13.12 | 39 |                                             | 99111-20A   | C16-2000-50L | 19.87-20.12 | 50 |                                             |
| 99111-1325A | C16-1325-39L | 13.12-13.37 | 39 |                                             | 99111-2025A | C16-2025-50L | 20.12-20.37 | 50 |                                             |
| 99111-1350A | C16-1350-39L | 13.37-13.62 | 39 |                                             | 99111-2050A | C16-2050-50L | 20.37-20.62 | 50 |                                             |
| 99111-1375A | C16-1375-39L | 13.62-13.87 | 39 |                                             | 99111-2075A | C16-2075-50L | 20.62-20.87 | 50 |                                             |
| 99111-14A   | C16-1400-42L | 13.87-14.12 | 42 |                                             | 99111-21A   | C16-2100-50L | 20.87-21.12 | 50 |                                             |
| 99111-1425A | C16-1425-42L | 14.12-14.37 | 42 |                                             | 99111-2125A | C16-2125-50L | 21.12-21.37 | 50 |                                             |
| 99111-1450A | C16-1450-42L | 14.37-14.62 | 42 |                                             | 99111-2150A | C16-2150-50L | 21.37-21.62 | 50 |                                             |
| 99111-1475A | C16-1475-42L | 14.62-14.87 | 42 |                                             | 99111-2175A | C16-2175-50L | 21.62-21.87 | 50 |                                             |
| 99111-15A   | C16-1500-45L | 14.87-15.12 | 45 |                                             | 99111-22A   | C16-2200-50L | 21.87-22.12 | 50 |                                             |
| 99111-1525A | C16-1525-45L | 15.12-15.37 | 45 |                                             | 99111-2225A | C16-2225-50L | 22.12-22.37 | 50 |                                             |
| 99111-1550A | C16-1550-45L | 15.37-15.62 | 45 |                                             | 99111-2250A | C16-2250-50L | 22.37-22.62 | 50 |                                             |
| 99111-1575A | C16-1575-45L | 15.62-15.87 | 45 |                                             | 99111-2275A | C16-2275-50L | 22.62-22.87 | 50 |                                             |
| 99111-16A   | C16-1600-48L | 15.87-16.12 | 48 |                                             | 99111-23A   | C16-2300-50L | 22.87-23.12 | 50 |                                             |
| 99111-1625A | C16-1625-48L | 16.12-16.37 | 48 |                                             | 99111-2325A | C16-2325-50L | 23.12-23.37 | 50 |                                             |
| 99111-1650A | C16-1650-48L | 16.37-16.62 | 48 |                                             | 99111-2350A | C16-2350-50L | 23.37-23.62 | 50 |                                             |
| 99111-1675A | C16-1675-48L | 16.62-16.87 | 48 |                                             | 99111-2375A | C16-2375-50L | 23.62-23.87 | 50 |                                             |
| 99111-17A   | C16-1700-51L | 16.87-17.12 | 51 | CC...060204<br>NK-T7 /<br>NS-25060<br>0.9Nm | 99111-24A   | C16-2400-50L | 23.87-24.12 | 50 |                                             |
| 99111-1725A | C16-1725-51L | 17.12-17.37 | 51 |                                             | 99111-2425A | C16-2425-50L | 24.12-24.37 | 50 |                                             |
| 99111-1750A | C16-1750-51L | 17.37-17.62 | 51 |                                             | 99111-2450A | C16-2450-50L | 24.37-24.62 | 50 |                                             |
| 99111-1775A | C16-1775-51L | 17.62-17.87 | 51 |                                             | 99111-2475A | C16-2475-50L | 24.62-24.87 | 50 |                                             |
|             |              |             |    |                                             | 99111-25A   | C16-2500-50L | 24.87-25.12 | 50 |                                             |

6  
ERgo