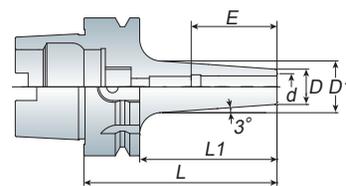


### 3° Shrink Chuck

3° 燒結式刀桿



- Heater specification => refer to P.39
- Tools are restricted by material of h6 carbide tool.
- Balancing: 30,000 r.p.m G2.5
- 刀桿加熱器規格請參考 P.39
- 刀桿限用 h6 鎢鋼刀具
- 動平衡 : 30,000 r.p.m G2.5

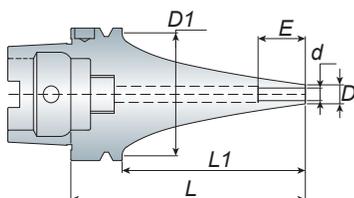
| Model No.         | d  | D  | D1   | L   | L1 | E  | Weight (kg) |
|-------------------|----|----|------|-----|----|----|-------------|
| HSK63A ASR04-090  | 4  | 10 | 14.6 | 90  | 45 | 16 | 0.80        |
| ASR05-090         | 5  | 10 | 15.7 | 90  | 46 | 20 | 0.80        |
| ASR06-090         | 6  | 14 | 19   | 90  | 50 | 24 | 0.90        |
| ASR08-090         | 8  | 18 | 23   | 90  | 50 | 26 | 0.90        |
| ASR10-090         | 10 | 22 | 27   | 90  | 50 | 30 | 1.00        |
| ASR12-090         | 12 | 24 | 29   | 90  | 50 | 30 | 1.00        |
| ASR16-090         | 16 | 28 | 33   | 90  | 50 | 36 | 1.10        |
| ASR20-100         | 20 | 34 | 40   | 100 | 50 | 40 | 1.20        |
| ASR25-115         | 25 | 44 | 50   | 115 | 89 | 45 | 1.40        |
| ASR32-120         | 32 | 44 | 50   | 120 | 94 | 45 | 1.50        |
| HSK100A ASR04-105 | 4  | 10 | 16.5 | 105 | 66 | 16 | 2.00        |
| ASR05-105         | 5  | 10 | 16.5 | 105 | 66 | 20 | 2.20        |
| ASR06-105         | 6  | 14 | 20   | 105 | 57 | 24 | 2.30        |
| ASR08-105         | 8  | 18 | 24   | 105 | 57 | 26 | 2.50        |
| ASR10-105         | 10 | 22 | 28   | 105 | 57 | 30 | 2.50        |
| ASR12-105         | 12 | 24 | 30   | 105 | 57 | 30 | 2.60        |
| ASR16-105         | 16 | 28 | 34   | 105 | 57 | 36 | 2.70        |
| ASR20-105         | 20 | 34 | 40   | 105 | 57 | 40 | 2.80        |
| ASR25-115         | 25 | 44 | 52   | 115 | 74 | 45 | 3.50        |
| ASR32-120         | 32 | 44 | 52   | 120 | 78 | 45 | 4.60        |

Unit:mm



### Curved Type

燒結式刀桿 - 曲線型



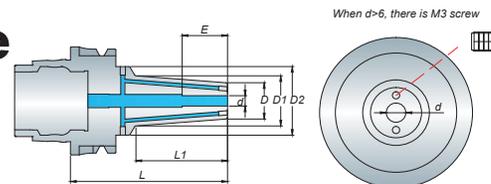
| Model No.         | d  | D  | D1 | L       | L1     | E  | Weight (Ng) |
|-------------------|----|----|----|---------|--------|----|-------------|
| HSK63A ASR04-090S | 4  | 7  |    | 90      | 64     | 16 | 1.00        |
| -120S/150S        | 4  | 7  |    | 120/150 | 94/124 | 16 | 1.1/1.3     |
| ASR06-090S        | 6  | 9  |    | 90      | 64     | 24 | 1.00        |
| -120S/150S        | 6  | 9  |    | 120/150 | 94/124 | 24 | 1.1/1.3     |
| ASR08-090S        | 8  | 11 | 53 | 90      | 64     | 26 | 1.00        |
| -120S/150S        | 8  | 11 |    | 120/150 | 94/124 | 26 | 1.1/1.3     |
| ASR10-090S        | 10 | 13 |    | 90      | 64     | 30 | 1.00        |
| -120S/150S        | 10 | 13 |    | 120/150 | 94/124 | 30 | 1.3/1.4     |
| ASR12-090S        | 12 | 15 |    | 90      | 64     | 30 | 1.20        |
| -120S/150S        | 12 | 15 |    | 120/150 | 94/124 | 30 | 1.3/1.5     |

Unit:mm



### Coolant Type

4.5° 燒結式刀桿 - 出水型



| Model No.               | d   | D  | D1   | D2 | L      | L1 | E  | Weight (Ng) |
|-------------------------|-----|----|------|----|--------|----|----|-------------|
| HSK63A ASR04-090/130-CL | 4   | 19 | 27.3 | 40 | 90/130 | 53 | 25 | 1.20/1.50   |
| ASR06-090/130-CL        | 6   | 21 | 29.3 | 40 | 90/130 | 53 | 26 | 1.20/1.50   |
| ASR08-090/130-CL        | 8   | 23 | 31.3 | 40 | 90/130 | 53 | 26 | 1.20/1.50   |
| ASR10-090/130-CL        | 10  | 24 | 32.3 | 40 | 90/130 | 53 | 32 | 1.30/1.60   |
| ASR12-090/130-CL        | 12  | 24 | 32.3 | 40 | 90/130 | 53 | 36 | 1.30/1.60   |
| ASR16-090/130-CL        | 16  | 27 | 35.3 | 40 | 90/130 | 53 | 38 | 1.30/1.60   |
| ASR20-100-CL            | 20  | 33 | 41.7 | 40 | 100    | 55 | 42 | 1.60        |
| ASR25-115-CL            | 25  | 44 | 53   | 53 | 115    | 55 | 48 | 1.60        |
| ASR32-120-CL            | 120 | 44 | 53   | 53 | 120    | 55 | 48 | 1.80        |

Unit:mm