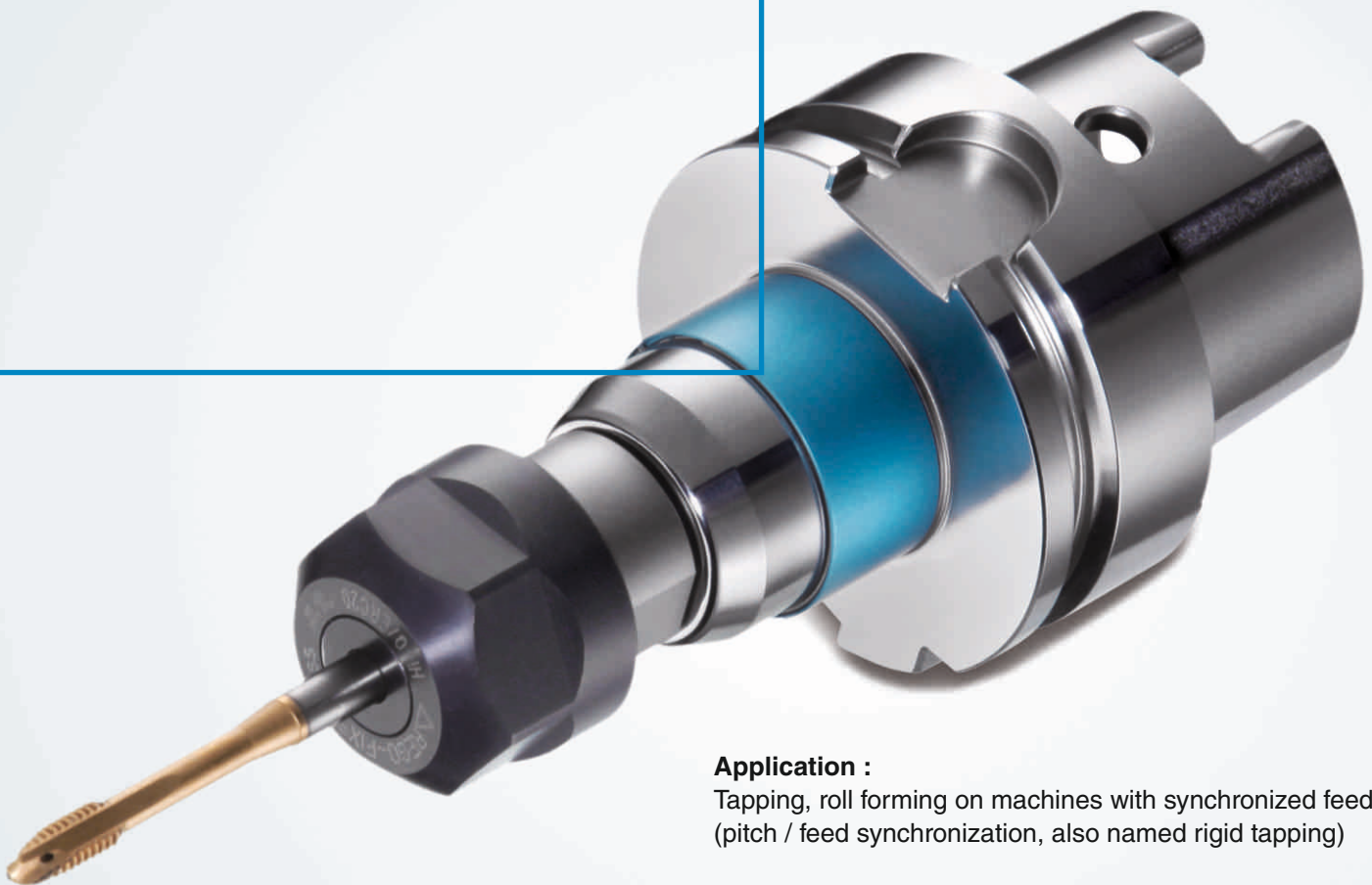


SCK Synchro Tapping Chuck



Benefits

- ✓ Increased tap life
- ✓ Better thread quality
- ✓ Reduced risk of tap breakage
- ✓ Less number of tools required
- ✓ Low spindle maintenance
- ✓ No downtime

Application :

Tapping, roll forming on machines with synchronized feed (pitch / feed synchronization, also named rigid tapping)

Machine type :

Machining centers, CNC turning centers & special purpose machines with synchronized feed for the tapping operation

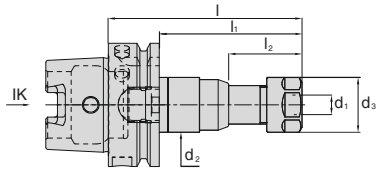
Features

Minimum compensation on tension / compression is $\pm 0.15\text{mm}$ for SCK -Size 1 & 2

Advantages

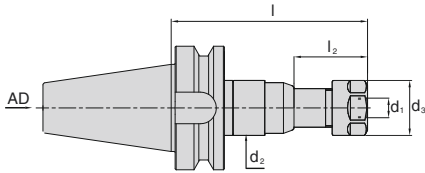
Compensation of the synchronisation error (pitch & feed error)
Reduction of pressure on the thread flanks

SCK / HSK
Hollow taper shank DIN 69893A with internal coolant feed or 1 channel MQL



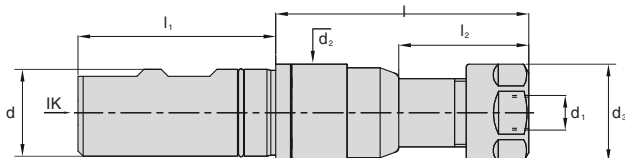
| Designation / Id. No. | d_1 | \pm | d_2 | d_3 | l | l_1 | l_2 | | | |
|---|--------------------|---------|-------|-------|-------|-------|-------|----------|--------------------|-------------------|
| SCK1-95,5/HSK-A63-ESX20-BL 5010567 | M4-M12 4,5-11,2 | +/-0,15 | 34 | 34 | 95.5 | 69.5 | 37.5 | ESX20-GB | ER20-IC 6931227 | GS-30 91000460 |
| SCK2-109/HSK-A63-ESX32-BL 5011981 | M8-M20 6-18 | +/-0,15 | 50 | 50 | 109.0 | 83.0 | 43.5 | ESX32-GB | ER32-IC 6933897 | E32 99921609 |
| SCK1-102/HSK-A100-ESX20-BL 5012119 | M4-M12 4,5-11,2 | +/-0,15 | 34 | 34 | 102.0 | 73.0 | 37.5 | ESX20-GB | ER20-IC 6931227 | GS-30 91000460 |
| SCK2-115,5/HSK-A100-ESX32-BL 5012062 | M8-M20 6-18 | +/-0,15 | 50 | 50 | 115.5 | 86.5 | 43.5 | ESX32-GB | ER32-IC 6933897 | E32 99921609 |
| SCK3-138/HSK-A100-ESX40-BL 5017526 | M14-M30 11-22 | +/-0,8 | 64 | 58.5 | 138.0 | 109.0 | 50.3 | ESX40-GB | ER40-IC 6948425 | E40 6921610 |

SCK / BT
BT taper shank MAS 403 with internal coolant feed or 1 channel MQL



| Designation / Id. No. | d_1 | \pm | d_2 | d_3 | l | l_2 | | | |
|--------------------------------------|--------------------|---------|-------|-------|-------|-------|----------|--------------------|-------------------|
| SCK1-91,5/BT 30-ESX20-BL 5049400 | M4-M12 4,5-11,2 | +/-0,15 | 34 | 34 | 91.5 | 37.5 | ESX20-GB | ER20-IC 6931227 | GS-30 91000460 |
| SCK1-96,5/BT 40-ESX20-BL 5053652 | M4-M12 4,5-11,2 | +/-0,15 | 34 | 34 | 96.5 | 37.5 | ESX20-GB | ER20-IC 6931227 | GS-30 91000460 |
| SCK2-110/BT 40-ESX32-BL 5053655 | M4-M20 4,5-18 | +/-0,15 | 50 | 50 | 110.0 | 43.5 | ESX32-GB | ER32-IC 6933897 | E32 99921609 |
| SCK1-107,5/BT 50-ESX20-BL 5053653 | M4-M12 4,5-11,2 | +/-0,15 | 34 | 34 | 107.5 | 37.5 | ESX20-GB | ER20-IC 6931227 | GS-30 91000460 |
| SCK2-121/BT 50-ESX32-BL 5053656 | M4-M20 4,5-18 | +/-0,15 | 50 | 50 | 121.0 | 73.5 | ESX32-GB | ER32-IC 6933897 | E32 99921609 |

SCK / W
Straight / Modular Shank according to DIN1835 B + E



| Designation / Id. No. | d_1 | \pm | d | d_2 | d_3 | l | l_1 | l_2 | | | |
|-----------------------------------|------------------|---------|-----|-------|-------|------|-------|-------|----------|--------------------|-------------------|
| SCK1-73/W25-ESX20-BL 5012220 | M4-M12 4-11,2 | +/-0,15 | 25 | 34 | 34 | 73 | 57 | 37.5 | ESX20-GB | ER20-IC 6931227 | GS-30 91000460 |
| SCK2-87,5/W25-ESX32-BL 5012276 | M8-M20 6-20 | +/-0,15 | 25 | 50 | 50 | 87.5 | 57 | 43.5 | ESX32-GB | ER32-IC 6933897 | E32 99921609 |

N max. length adjustment (N) 3-mm
Specials / Customized also can be offered on request

Suitable collets, spanners, clamping nuts, sealing discs & length adjustment screws to be ordered separately