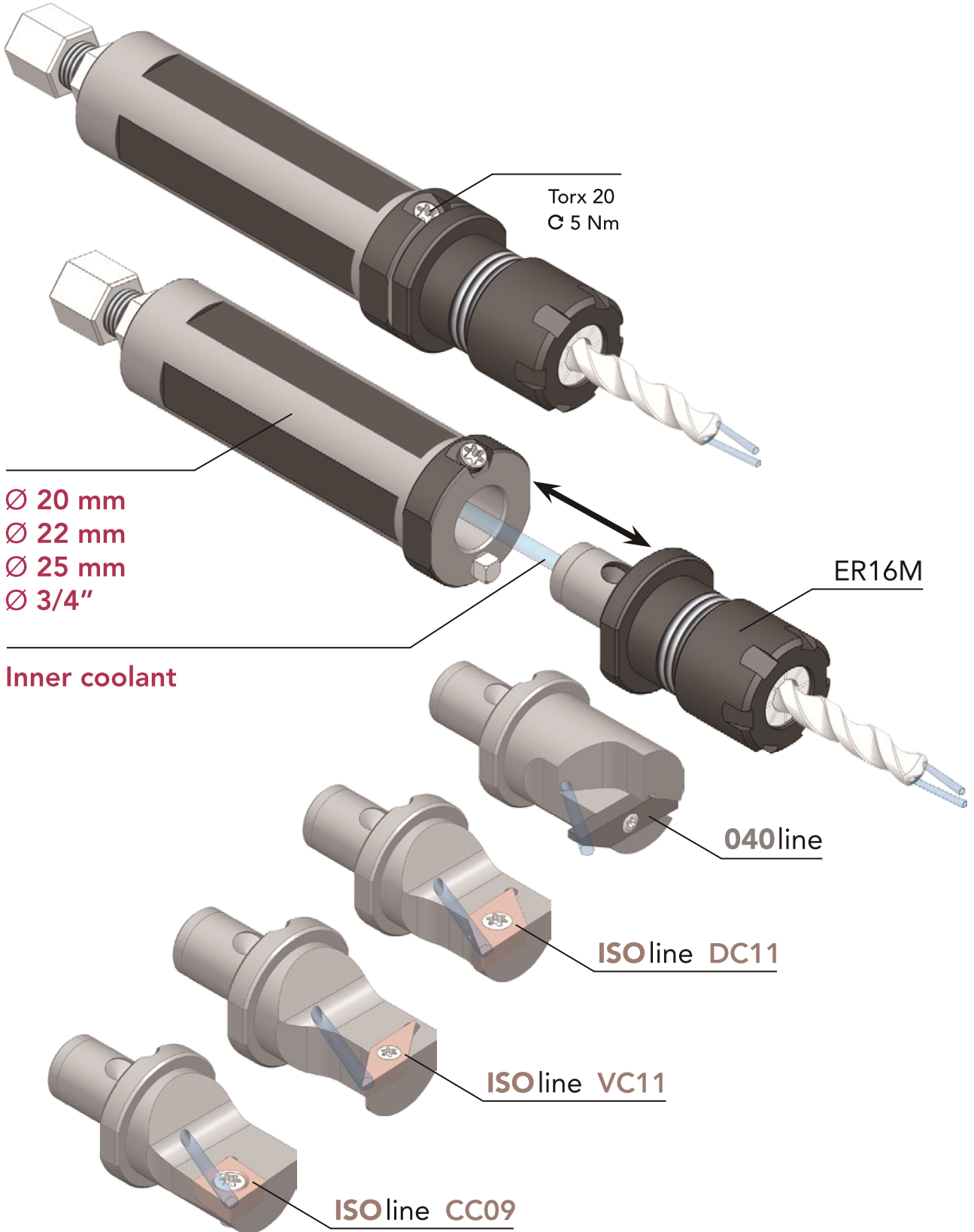


**Quick change diameter**

Modular system of tool-holders with cylindrical shaft



- Ø 20 mm
- Ø 22 mm
- Ø 25 mm
- Ø 3/4"

Inner coolant

Torx 20  
⊕ 5 Nm


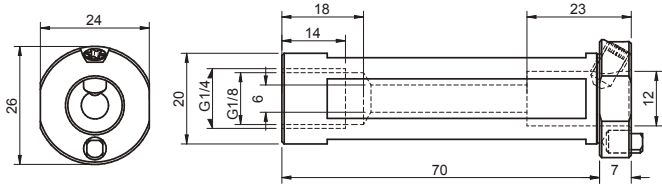
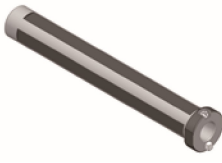
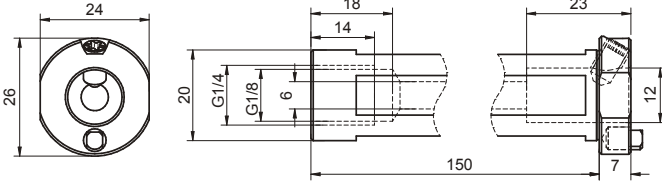

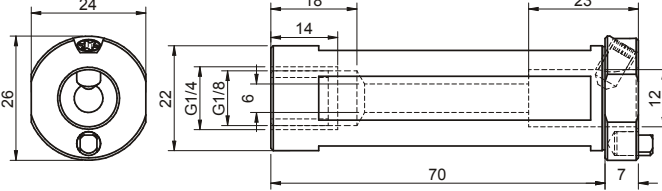

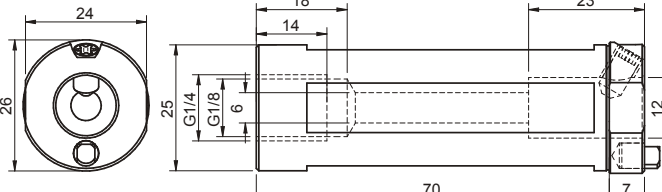

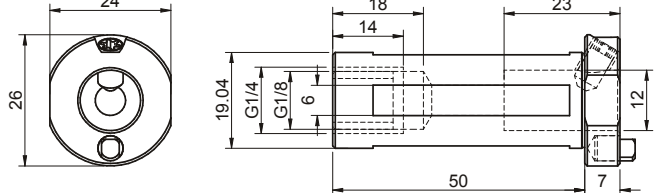
ER16M


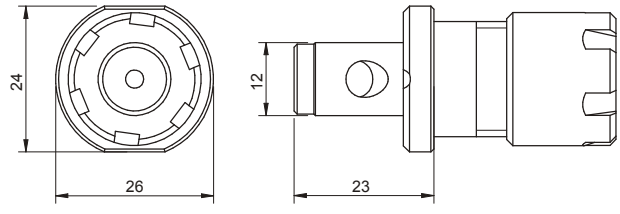
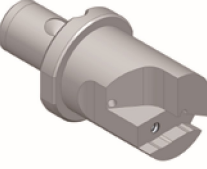
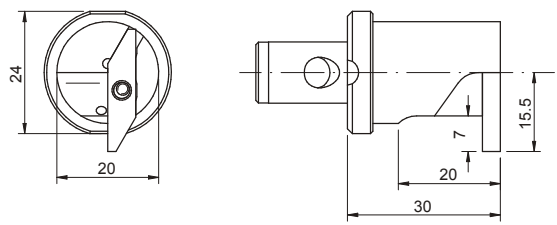

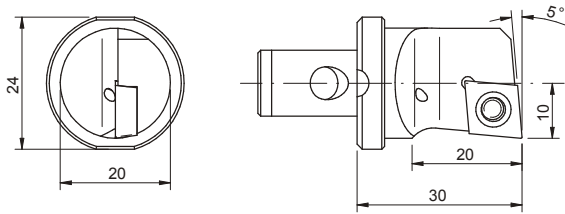

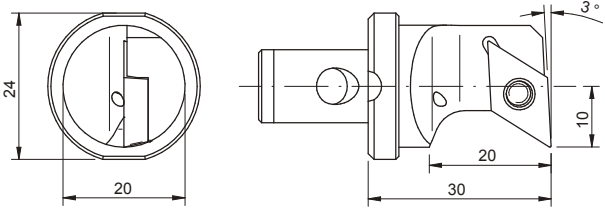
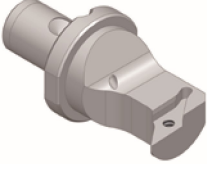
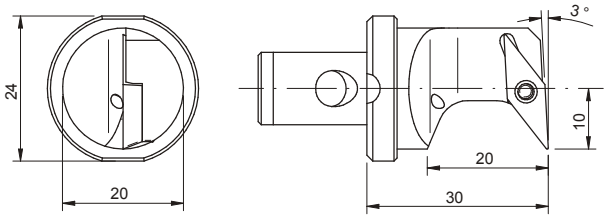
040line

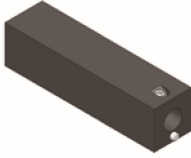
ISOline DC11

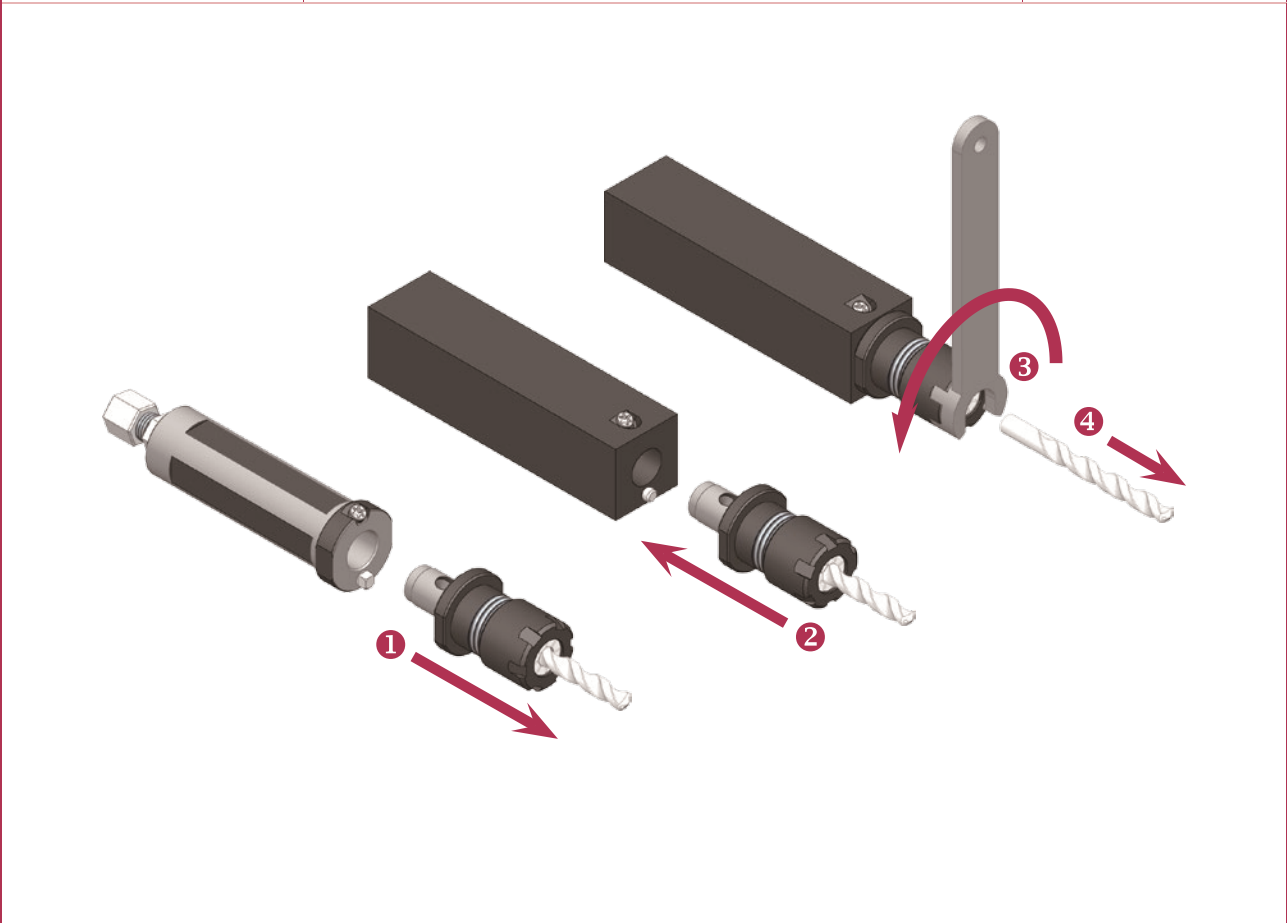
ISOline VC11

ISOline CC09

	Description	Article nr.
	 <p>Shaft Ø 20 mm, length 70 mm, with inner coolant</p>	QCD12S 2070 IK
	 <p>Shaft Ø 20 mm, length 150 mm, with inner coolant</p>	QCD12S 20150 IK
	 <p>Shaft Ø 22 mm, length 70 mm, with inner coolant</p>	QCD12S 2270 IK
	 <p>Shaft Ø 25 mm, length 70 mm, with inner coolant</p>	QCD12S 2570 IK
	 <p>Shaft Ø 3/4", length 50 mm, with inner coolant</p>	QCD12S 3450 IK

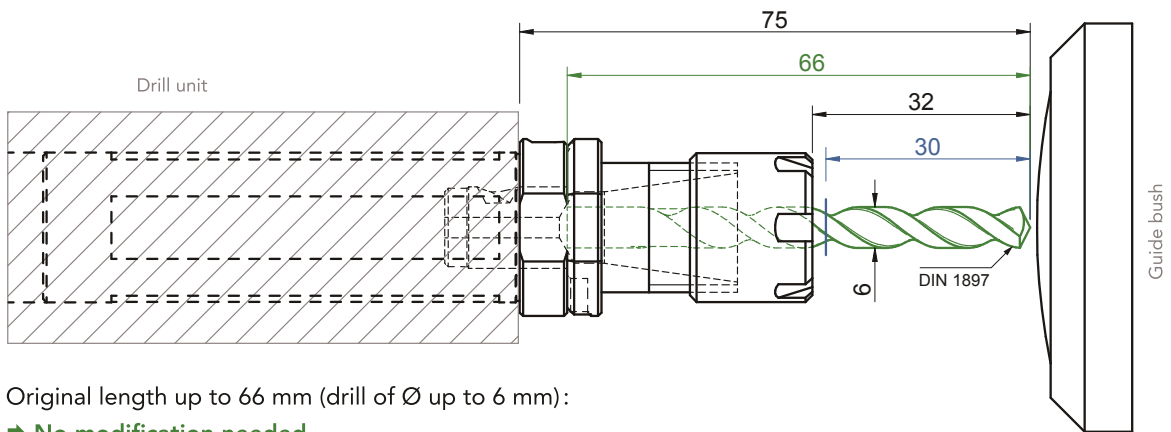
	Description	Article nr.
		QCD12H ER16M IK
	Interchangeable head, type ER16M collet, with inner coolant	
		QCD12H 040R IK
	Interchangeable head, type 040line 040R insert, with inner coolant	
		QCD12H CC09R IK
	Interchangeable head, type ISOline CC09R insert, with inner coolant	
		QCD12H DC11R IK
	Interchangeable head, type ISOline DC11R insert, with inner coolant	
		QCD12H VC11R IK
	Interchangeable head, type ISOline VC11R insert, with inner coolant	

	Description	Article nr.
	<p>Accessory for tool's replacement Used to hold the head of the tool to facilitate the loosening of the nut.</p>	<p>QC12A 2525</p>



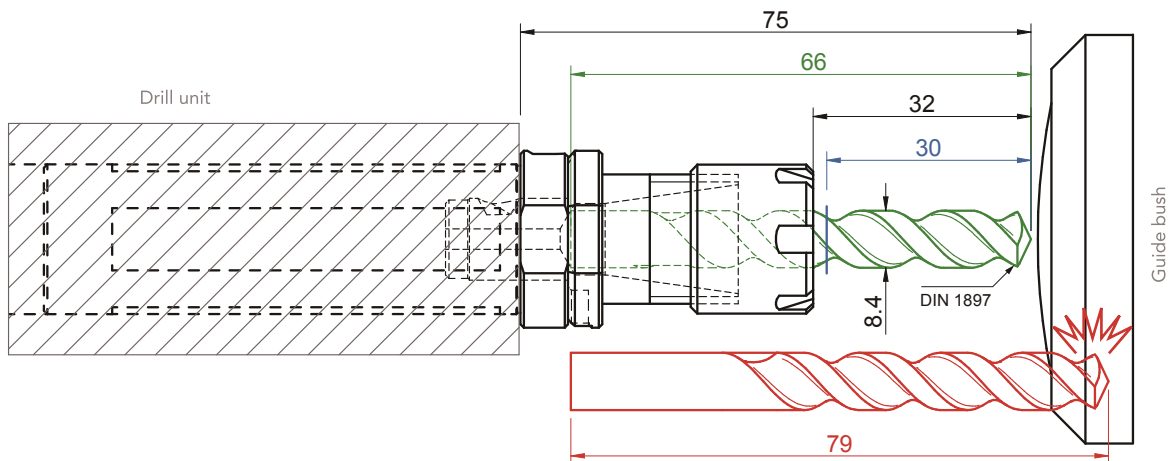
## Quick change diameter

On **star** machines, in order to avoid any crash with the guide bush, the length of the drills used with the «Quick change diameter» system shouldn't exceed 66 mm. The drills DIN 1897 must be shortened according to the information shown below. **The maximum depth of drill is 30 mm.**

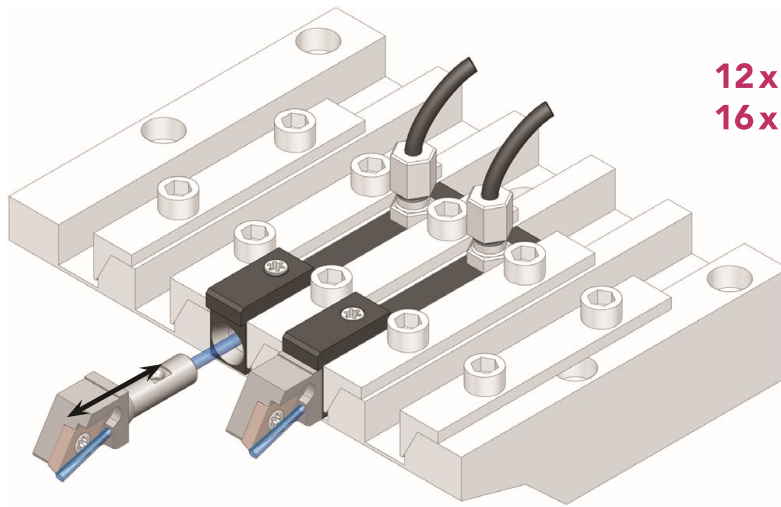


Original length up to 66 mm (drill of Ø up to 6 mm):

➔ **No modification needed**



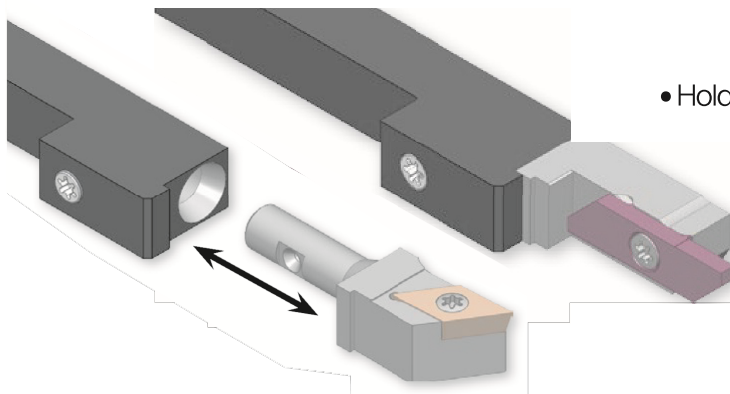
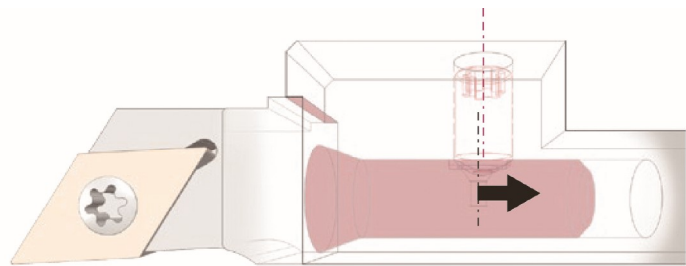
모듈러 타입의 내부 유압 홀더 시스템



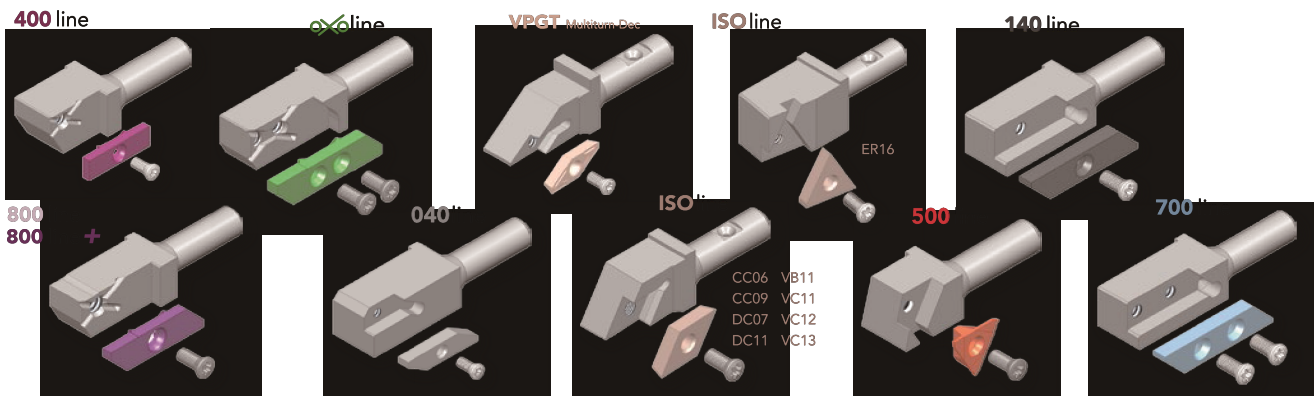
12x12 mm  
16x16 mm

Quick change mini

- 인서트 체결부만 분리 가능해 인서트 교환시 신속하게 교환 할 수 있음.
- 초보자들도 쉽게 인서트 교환 가능.
- 생산성 향상에 솔루션 제공.
- Coolant system 개발.
- 체결 부위에서 정밀도 및 떨림이 발생 할 수 있는 요소들을 보완하기 위해 홀더 안착 부위를 3중 설계하여 완벽한 직진도 및 안착성을 가지고 있음.

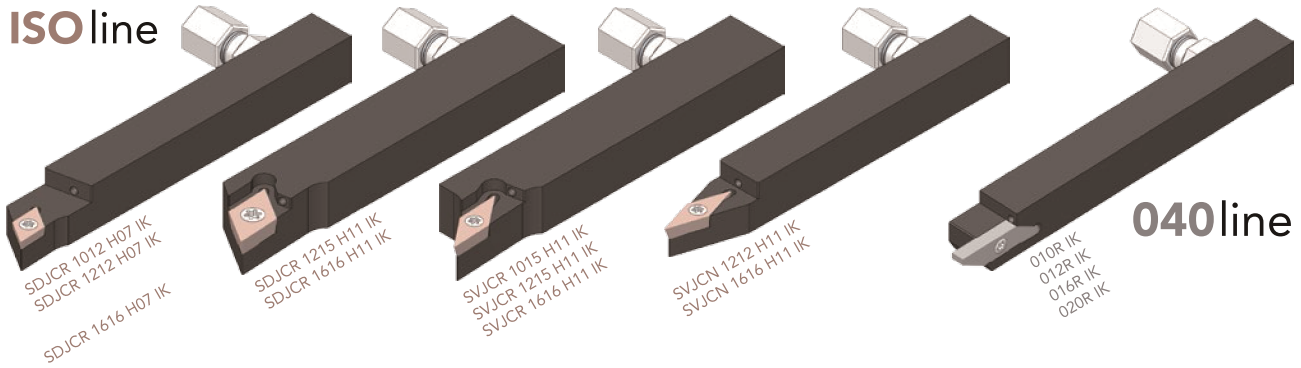


•Holder size : 10 X 12, 12 X 12mm  
16 X 16mm



## Tool-holders with internal coolant

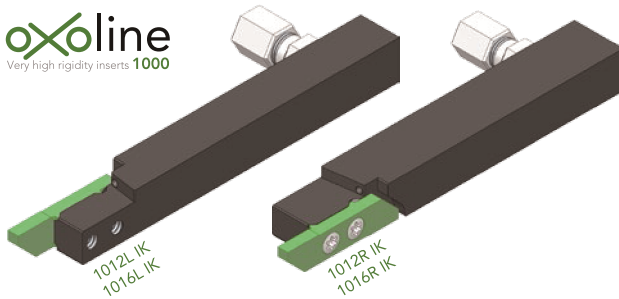
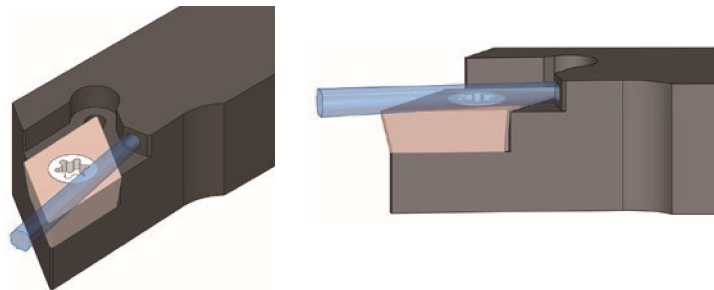
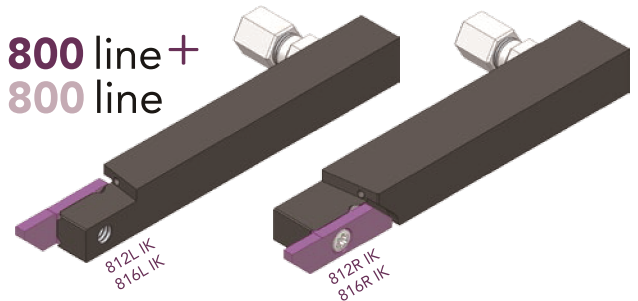
## ISO line



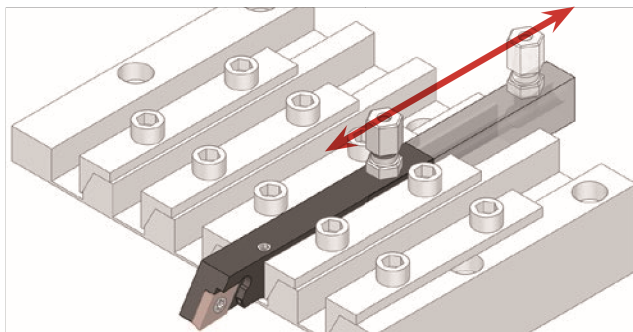
## 040line

## oxoline

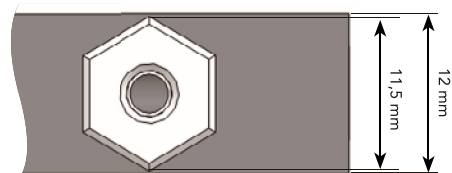
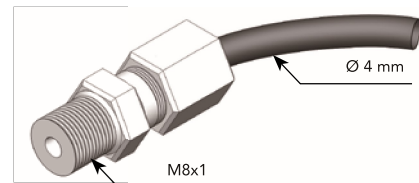
Very high rigidity inserts 1000

800 line +  
800 line

- High pressure coolant directly on the cutting edge. Coolant in the insert's axis.



- Possibility to slide the tool-holder on whole length for setting.



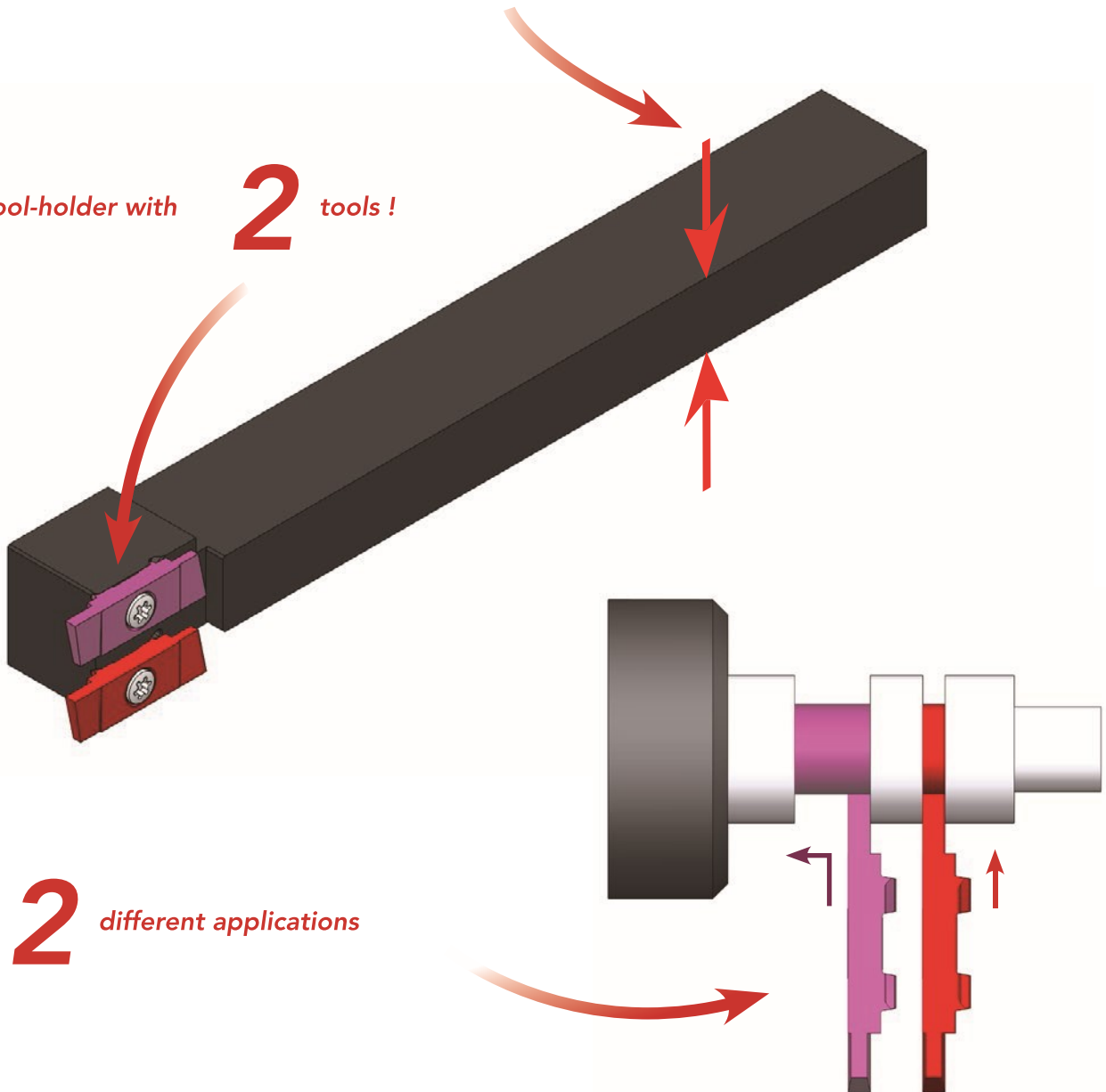
- The hydraulic fitting does not cover the tool, even for section 12x12 mm.

## Double tool-holder 400RD

7, 8, 10, 12, 16 다양한 두께의 툴 홀더에 두개의 공구를 사용할 수 있어  
공구대의 수가 부족한 부분을 해결 할 수 있습니다.

Section **7, 8, 10, 12, 16 mm**

1 tool-holder with **2** tools !



**2** different applications



## Double tool-holder 400RD

Maximum cutting-off :  $\varnothing 8 \text{ mm}$

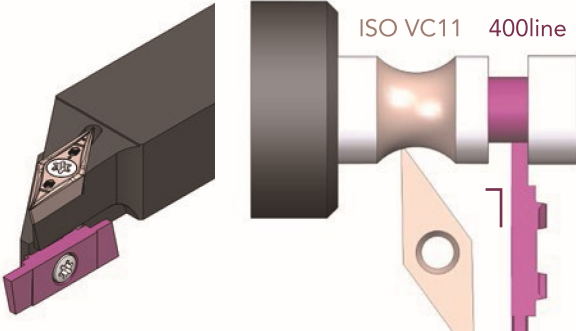
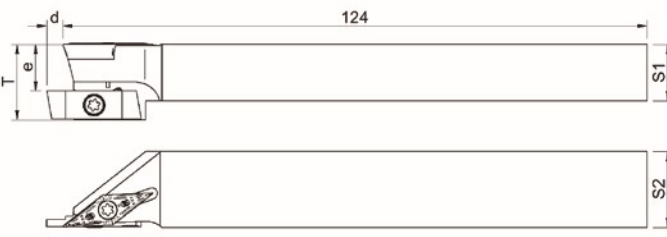
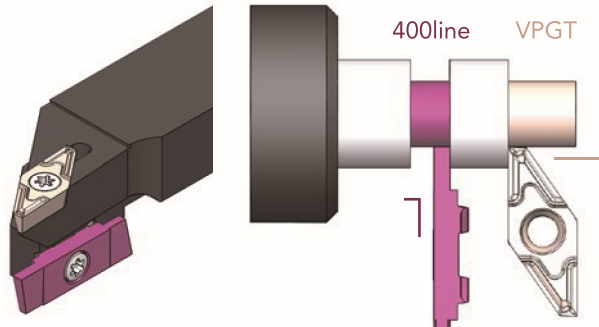
Maximum turning :  $\varnothing \text{ ap } 2 \text{ mm}$

Examples of use for double tool-holders	S1	S2	T	d	e	Article nr.
	7	16	16	5	10	407RD
	8	16	16	4	10	408RD
	8	8	14	3	8	408RD8
	10	16	16	2	10	410RD
	12	16	16	2	10	412RD
	16	16	16	0	10	416RD
	10	16	16	3	10	410RDCR
		12	16	16	3	10

## Double tool-holder 400RD

Maximum cutting-off :  $\varnothing 8 \text{ mm}$

Maximum turning :  $\varnothing \text{ ap } 2 \text{ mm}$

Examples of use for double tool-holders	S1	S2	T	d	e	Article nr.
	10	16	16	3	10	410RDVC11
	12	16	16	3	10	412RDVC11
	10	16	16	0	10	410RDVPGT
