

ITEM CODE

PRICE IN CHF

Manual spiral centering and flattening equipment

40-0003-000

Including :

- 1 binocular microscope, 20x magnification
- 1 tooling specific to ferrule ϕ
- 2 imbus screwdrivers for changing tooling



BENEFITS

Device ergonomics (dim./ length.370mm / width.190mm / height. 220mm / 3.5 Kg)

Vision system

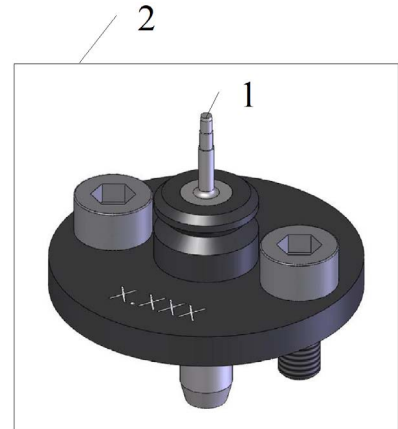
Spindle interchangeability depending on ferrule ϕ without adjustment

Shaft ferrule removal without risk of damage to the balance-spring

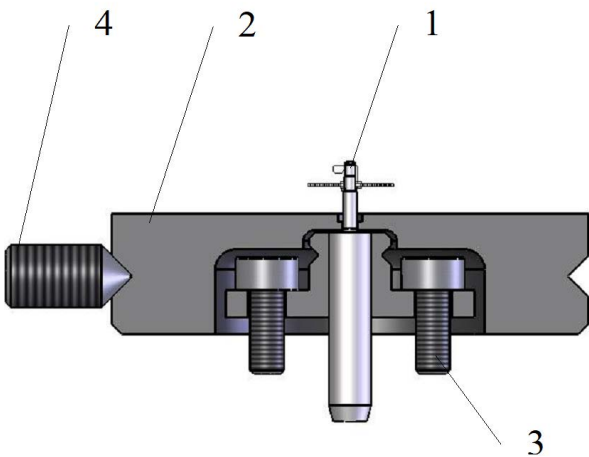
OPERATING PRINCIPLE



ADDITIONAL TOOLS	ITEM CODE	PRICE IN CHF
Hard metal spiral centring pin ϕ as per ferrule	10-0020-000	
Full spindle:	10-0022-000	
<ul style="list-style-type: none"> • Socket head cap screw • Hard metal spiral centering pin • Shaft holder 		



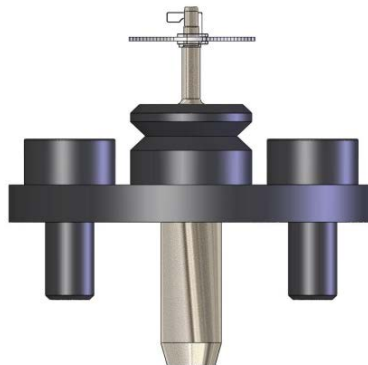
AFTER-SALES SUPPLIES	ITEM CODE	PRICE IN CHF
Hard metal spiral centring pin ϕ as per ferrule	10-0020-000	
Mounting washer (natural anodized)	10-0021-000	
Socket head cap screw	10-0016-007	
Hexagonal socket headless clamping screw	10-0016-008	



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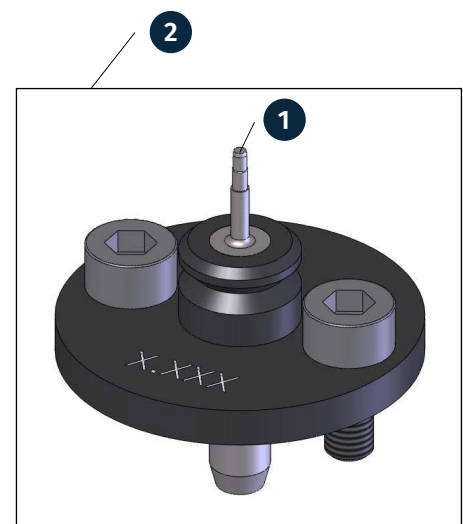
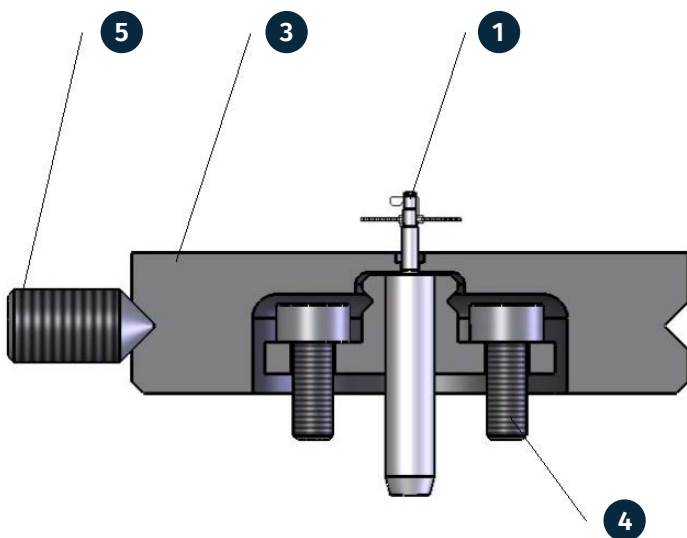


HARD METAL AXLE



We manufacture hard metal axles according to the \varnothing and height of the ferrule. Please supply a drawing with your order.

	ITEM CODE	PRICE IN CHF
1 Hard metal spiral centring pin ϕ as per ferrule	10-0020-000	204.00
2 Full spindle: Socket head cap screw Hard metal spiral centring pin Shaft holder	10-0022-000	356.00
3 Mounting washer (natural anodized)	10-0021-000	262.00
4 Socket head cap screw (min.20 .-)	10-0016-007	1.10
5 Hexagonal socket headless clamping screw (min.20 .-)	10-0016-006	1.10



FOR FLATTENING

1. Manual installation of the balance-spring on the axle

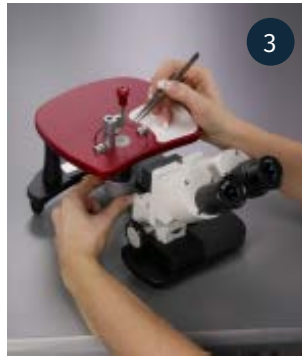
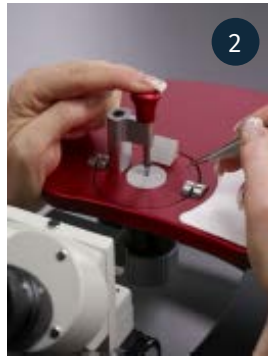
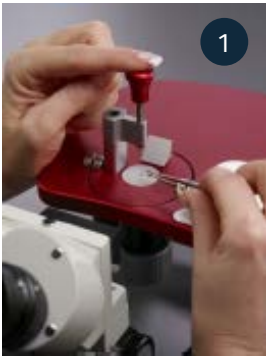
2. Pressing the ferrule onto the axle using the stem

3. Spiral rotation with spindle and simultaneous binocular inspection

4. Manual touch-up with tweezers, if necessary

5. Re-control, etc.

6. Release of spiral from spindle when flat setting is reached



FOR CONCENTRIC

1. Manual installation of the balance-spring on the axle

2. Pressing the ferrule onto the axle using the stem

3. Spiral rotation with spindle and simultaneous binocular inspection with tilted spindle

4. Manual touch-up with tweezers, if necessary

5. Re-control, etc.

6. Release of spiral from spindle when concentricity is reached

