

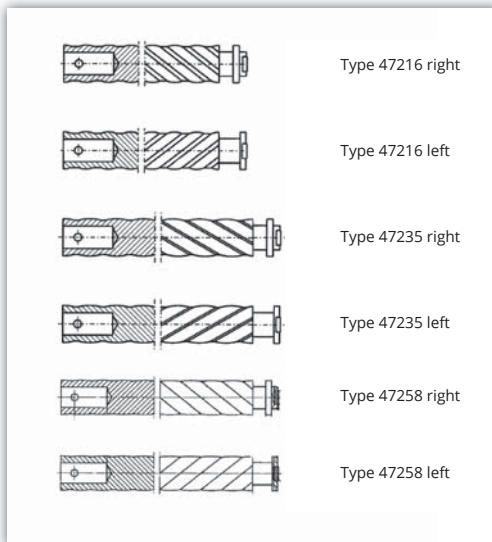


SINCE 1962
Coated Abrasives Conversion Equipment
made in Switzerland

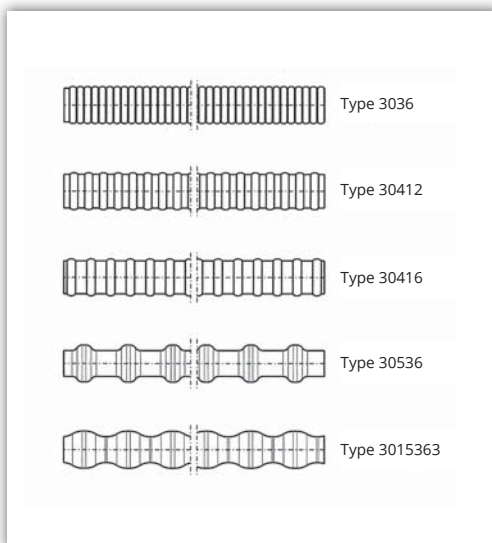
Amacker + Schmid AG, 8500 Frauenfeld
Schweiz/Switzerland



Spiral flex bars built-in flexing machine type FCS



spiral flex bars



round grooved flex bars

Flex bars spiral, round grooved, non-grooved

Thanks to the use of different flex bars (spiral, round grooved or non-grooved) in the flexing machines type FCS or FCK, the abrasive material will be optimally broken. Therefore a constant flexibility of different materials can be achieved.

Type	Material					
	very sensitive	light	medium	heavy	very heavy	Fiber
spiral	47258	■				
	47235		■	■		
	47216			■	■	
round grooved	3036		■			
	30412			■		
	30416			■	■	
	30536					■
	3015363		■	■		

Material table for flex bars

The table above is a simplified indication.
With our flex bars all common materials can be flexed and there are various combinations possible.

Spiral flex bars

- Type 47258
Special version for very sensitive/light materials.
Set consisting of 4 pieces (2 right, 2 left).
- Type 47235
Standard version for light up to medium materials.
Set consisting of 4 pieces (2 right, 2 left).
- Type 47216
Standard version for medium up to heavy materials.
Set consisting of 4 pieces (2 right, 2 left).

Round grooved flex bars

- Type 3036
Standard version for light materials.
- Type 30412
Standard version for medium materials.
- Type 30416
Standard version for medium up to heavy materials.
Also used instead of the spiral bars as a complete set of 6 bars.
- Type 30536
Standard version for heaviest materials (also fiber).
Used as a set consisting of 5 bars type 30536 and 1 bar type 3036 at the end.
- Type 3015363
Special version for light/medium materials.
Also used instead of spiral bars in a complete set of 6 bars.
- Round/non-grooved
Standard diameter of 25 mm (30 mm on request).



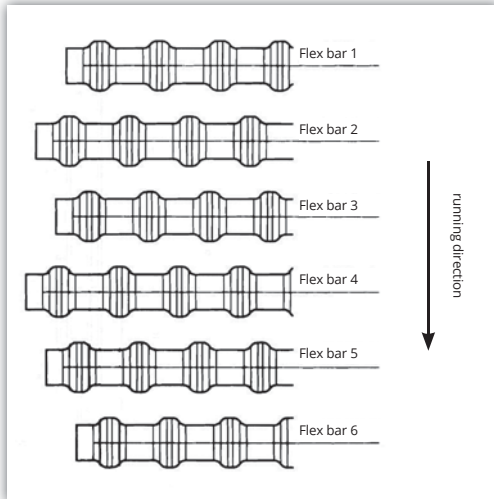
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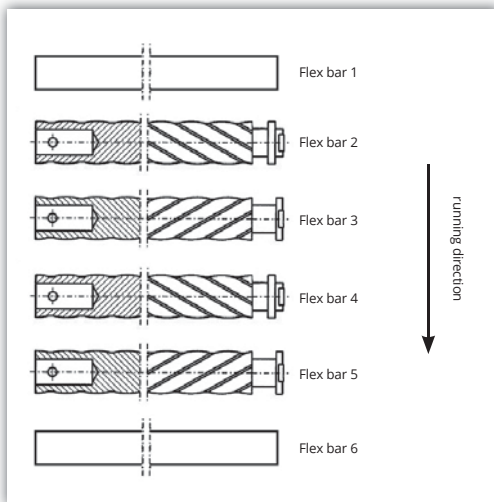
Flex bars

spiral, round grooved, non-grooved

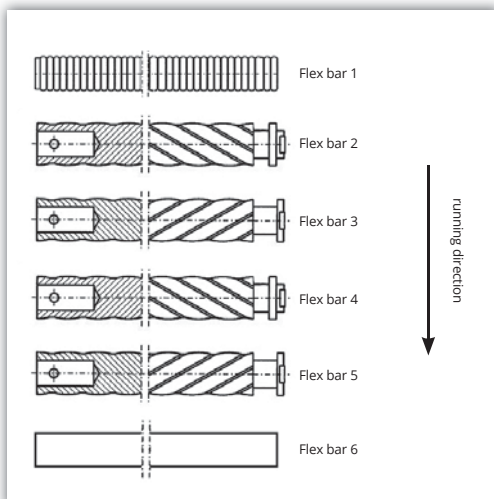
Configuration possibilities (Examples described below)



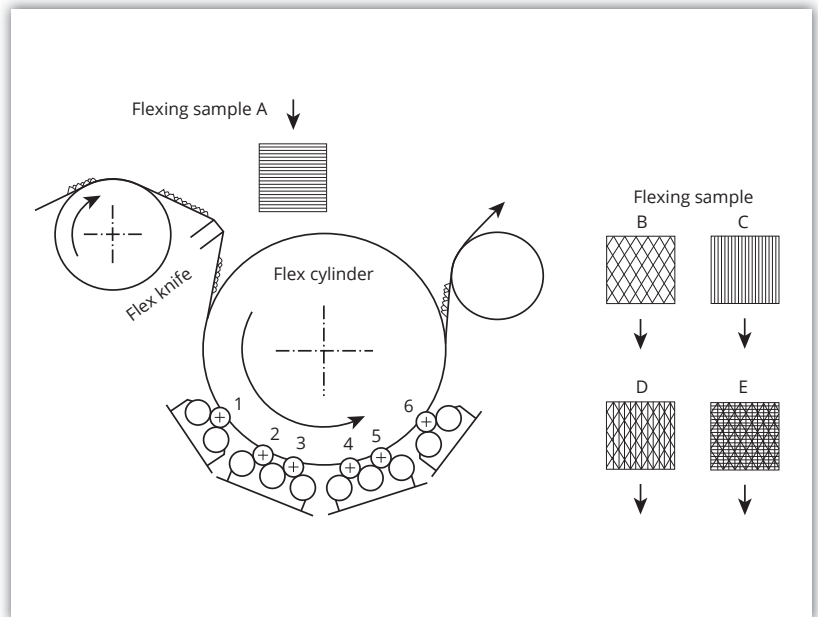
Example 1



Example 2



Example 3



Flexing principle

Description of flexing samples

Type	Description	Tool to be used
A Single flex	The material is broken at 90° to the running direction.	<ul style="list-style-type: none"> flex knife non-grooved flex bars
B Double flex	The material is broken at +40° and -40° to the running direction.	<ul style="list-style-type: none"> spiral flex bars
C L-flex	The material is broken in the running direction.	<ul style="list-style-type: none"> round grooved flex bars
D Combiflex (trible flex)	The material is broken in the running direction and at +40° and -40° to the running direction.	<ul style="list-style-type: none"> round grooved flex bars spiral flex bars
E Combiflex (quadruple flex)	The material is broken in the running direction; at +40°/-40° to the running direction and at 90° to the running direction.	<ul style="list-style-type: none"> flex knife round grooved flex bars spiral flex bars non-grooved flex bars

Description of configuration possibilities

- Example 1
Layout: 6 flex bars of the same type (e.g. type 30536).
- Example 2
Layout: 1x non-grooved flex bar at inlet, followed by 2x2 spiral flex bars (e.g. type 47235) as well as 1x non-grooved flex bar at outlet.
- Example 3
Layout: 1x round grooved flex bar at inlet (e.g. type 3036), followed by 2x2 spiral flex bars (e.g. type 47235) as well as 1x non-grooved flex bar at outlet.

The configuration possibilities showed above are examples. There are various flex bar configurations possible.