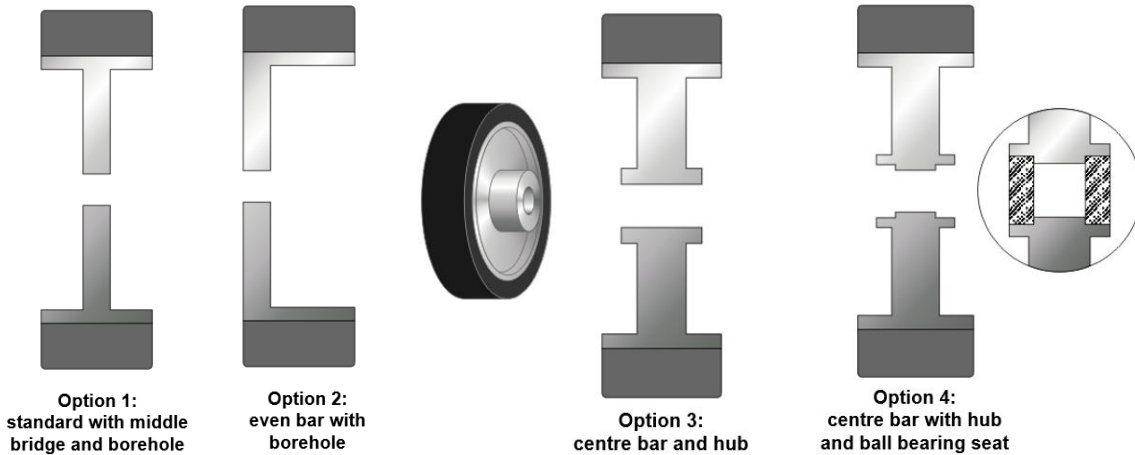


Information about contact wheels

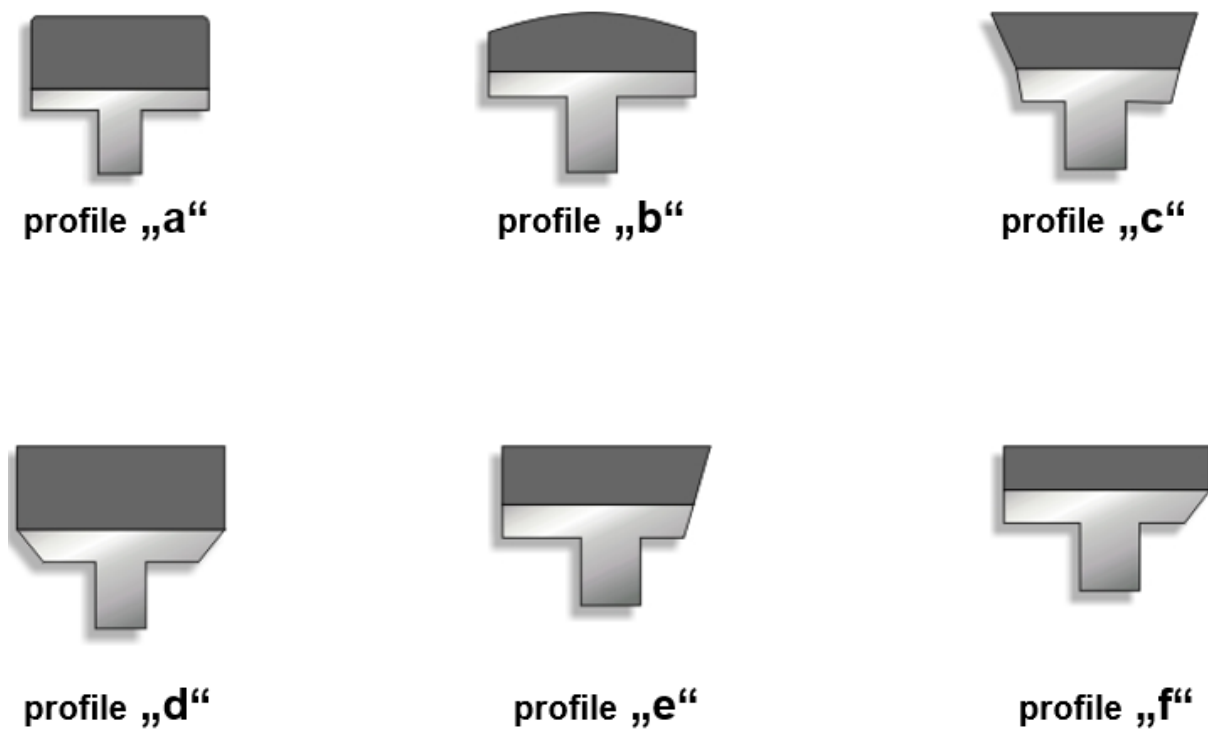
1. Criteria for correct selection of contact wheels

- Workpieces
the choice of the right wheel depends on the workpieces
- Contact wheels
the properties has a big influence on grinding result
- Cushion
rubber and Vulkollan® are usable for wet, oil and dry grinding process

2. Core types



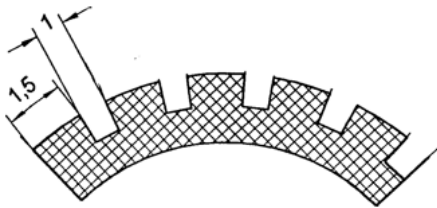
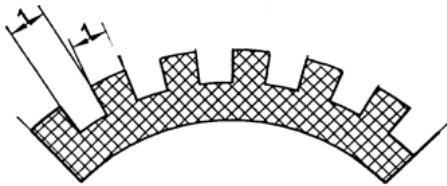
3. Profiles



Information about contact wheels

4. Grooves

• Grooves



grooves „L“

bar- / groove-relation:	1 : 1
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- each bar supports the sanding belt
- standard = grooves right app. 45°
- but also tends to "evade"
- fine grinding pattern (especially in hardness 40° Shore A)

grooves „R“

bar- / groove-relation:	1,5 : 1
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- each bar supports the sanding belt on each edge, without evading.
- standard = grooves right app. 45°
- higher removal than groove „L“

5. Different types of contact wheels

ELAX® GO



ELAX® GO

cushion:	rubber
hardness:	W = 40°, M = 50° / 60° / 70°, H = 80°, EH = 90° Shore A
bar / groove:	without
application:	
40° - 60° Shore A	Fine grinding process fine sanding belts
as of 80° Shore A	For using as idler pulley or drive roller on grinding machine. The cushion is in this case ideally slightly convex.

Important:

The sanding belt always tends to the highest point of drive roller.

A slightly convex cushion guarantees an exact run of sanding belt.

Information about contact wheels

ELAX® GOR



ELAX® GOR	
cushion:	rubber
hardness:	W = 40°, M = 50° / 60° / 70°, H = 80°, EH = 90° Shore A
recommended:	as of M = 60° Shore A
bar / groove:	1,5:1
application:	
as of 60° Shore A	allround-application all conventional grinding applications are possible
sanding belts	P 40 – P 180

ELAX® GOL



ELAX® GOL	
cushion:	rubber
hardness:	W = 40°, M = 50° / 60° / 70°, H = 80°, EH = 90° Shore A
bar / groove:	1:1
Application:	
40°- 60° Shore A	<ul style="list-style-type: none"> • fine grinding process with significant removal for fine surface • smooth running properties
80°- 90° Shore A	<ul style="list-style-type: none"> • for higher removal performance and fine chips. • running properties slightly restive
sanding belts	fine sanding belts

Information about contact wheels

ELAX® V, VL und VR



ELAX® V ELAX® VL ELAX® VR	
cushion:	Vulkollan®
hardness:	M = 65°, H = 82°, EH = 93° Shore A
properties:	
Same dimension and technical description as contact wheels of rubber cushion, but: Härte wie beschrieben.	
<ul style="list-style-type: none"> • longer lifetime, higher abrasion-resistant • lower heat resistant compared to rubber • Vulkollan®: 80°C (for shorten time 120°C) <=> rubber: 130°C • <i>higher price than rubber</i> 	
application:	As slightly convex type, often used as drive wheel because of longer lifetime than rubber

ELAX® VSDN



ELAX® VSDN	
cushion:	PU-foam, height till 20 mm
hardness:	app. 28° Shore A (other hardness possible)
bar / groove:	usually without grooves, but also available as Type „R“ or „L“
application:	
<ul style="list-style-type: none"> • soft metals, e.g. brass • less profiled workpieces • mainly used in the fittings industry 	
sanding belts	„J“- and „J-Flex“ with medium grit

Information about contact wheels

ELAX® VSDH



ELAX® VSDH	
cushion:	PU-foam, height over 20 mm
hardness:	app. 28° Shore A (other hardness possible)
bar / groove:	usually without grooves, but also available as Type „R“ or „L“
application:	
<ul style="list-style-type: none"> • soft metals, e.g. brass • heavily profiled workpieces • mainly used in the fittings industry 	
sanding belts	„J“- and „J-Flex“ with medium grit

Ventiflex® N



VENTIFLEX® N	
cushion:	Flexible lamella of PU-foam, height till 20 mm
characteristic:	<ul style="list-style-type: none"> • Heat dissipation through a lamellar formation of the surface • firmer than VENTIFLEX® H
hardness:	25° - 45° Shore A
application:	
<ul style="list-style-type: none"> • soft metals, e.g. brass • less profiled workpieces 	
sanding belts	„J“- and „J-Flex“ with fine grit

Ventiflex® NN



VENTIFLEX® NN	
cushion:	Flexible lamella of PU-foam and very flexible foam, height till 20 mm
characteristic:	<ul style="list-style-type: none"> • softer than VENTIFLEX® N • cool grinding process • very flexible foam for reducing the noise-level, but with low supporting effect
application:	
<ul style="list-style-type: none"> • soft metals, e.g. brass • less profiled workpieces 	
sanding belts	„J“- and „J-Flex“ with fine grit

Ventiflex® H



VENTIFLEX® H	
cushion:	Flexible lamella of PU-foam, height over 20 mm
characteristic:	Heat dissipation through a lamellar formation of the surface
hardness:	app. 28° Shore A (other hardness possible)
application:	
<ul style="list-style-type: none"> • soft metals, e.g. brass • heavily profiled workpieces 	
sanding belts	„J“- and „J-Flex“ belts

Information about contact wheels

Ventiflex® HH



VENTIFLEX® HH	
cushion:	Flexible lamella of PU-foam and very flexible foam, height over 20 mm
characteristic:	<ul style="list-style-type: none"> • softer than VENTIFLEX® H • cool grinding process • very flexible foam for reducing the noise-level, but with low supporting effect
application:	
<ul style="list-style-type: none"> • soft metals, e.g. brass • heavily profiled workpieces 	
sanding belts	„J“- und „J-Flex“ belts

Ventiplast®



VENTIPLAST®	
cushion:	lamella of hard plastic and very flexible foam, height till 20 mm
hardness:	60° - 90° Shore A (depending on required roughness)
characteristic:	<ul style="list-style-type: none"> • aggressive contact wheel (similar roughing disc)
application:	
<ul style="list-style-type: none"> • for rough grinding and deburring process • very flexible foam for reducing the noise-level, but still loud • for foundries 	
sanding belts	<ul style="list-style-type: none"> • X-fabric • zircon belts • belts with polyester back • coarse-grained belts

Information about contact wheels

Ventiplast® Spezial



VENTIPLAST® Spezial	
cushion:	Flexible lamella of hard plastic and flexible Vulkollan®-foam, height till 20 mm
hardness:	60° - 90° Shore A (depending on required roughness)
characteristic:	<ul style="list-style-type: none"> • Vulkollan®-foam lamellas supports the belt, therefore the hard plastic bars do not grip the full edge sharpness • less rougher than VENTIPLAST®
application:	
<ul style="list-style-type: none"> • for rough grinding and deburring process • for foundries 	
sanding belts	<ul style="list-style-type: none"> • X-fabric • zircon belts • belts with polyester back • coarse-grained belts

Rotax®



ROTAX®	
cushion:	Compressed Cotton fabric(Canvas Wheel)
hardness:	<ul style="list-style-type: none"> • EW = extra soft • W = soft • H = hard • EH = extra hard (not in Shore A)
characteristic:	• only for dry grinding process
application:	
For fine and normal grinding process, for example: medical tools and implants	
sanding belts	„J“- and „J-Flex“ with fine grit

We are able to renew the cushion of all previous types contact wheels.

In case of further question please contact us via ([Call us directly](#) or send us an [email](#).)