

Deburring - Rounding - Grinding - Smoothing - Polishing



Abrasives, Additives and Compound
for processing in vibratory finishing equipment

Grinding Media

Ceramic (KE)- and plastic bonded (KS) media are defined by their shape, grinding effect, grinding pattern and size.

Material/Form

Ceramic:

D	Triangle
DS	Triangle Angle Cut
DSE	Triangle Angle Cut extreme
KU	Ball
DZ	Tristar
DZS	Tristar Angle Cut
Z	Cylinder
ZS	Cylinder Angle Cut

Plastic:

KE	Cone
P	Pyramid
TS	Tristar
PA	Paraboloid

Grinding Effect

00	polishing
02-04	smoothing
05-18	finest grinding
20-32	fine grinding
34-55	grinding
60-75	strong grinding
76-89	ultra strong grinding
ab 90	extremely strong grinding

Grinding Pattern

smooth
0

rough
9



Order example: KE-D-46-5-25/25

(KE = material; D = shape; 46 = grinding effect; 5 = grinding pattern; 25/25 = size in mm)

Ceramic Media

<p>D Triangle a/b in sizes 2/2 to 25/25</p> 	<p>DS Triangle Angle Cut* a/b in sizes 4/4 to 25/25</p> 	<p>DSE Triangle Angle Cut extreme** a/b in sizes 2/2 to 6/6</p> 	<p>KU Ball a in sizes 1 to 25</p> 
<p>DZ Tristar a/b in sizes 2/2 to 10/10</p> 	<p>DZS Tristar Angle Cut* a/b in sizes 4/4 to 15/18</p> 	<p>Z Cylinder a/b in sizes 1,5/5 to 15/30</p> 	<p>ZS Cylinder Angle Cut* a/b in sizes 1,5/5 to 15/30</p> 

Further dimensions and qualities on request

*Angle Cut 30-40° **Angle Cut 50-70°

Plastic Media

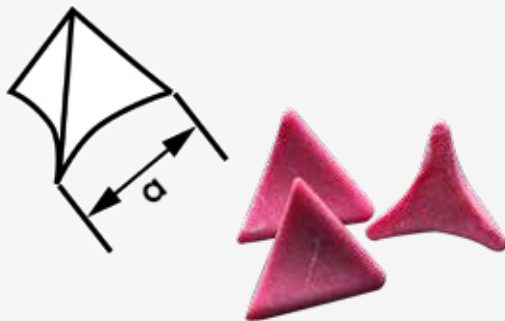
KE
Cone
a
in sizes
6 to 50



P
Pyramid
a
in sizes
5 to 50



TS
Tristar
a
in sizes
20 to 50



PA
Paraboloid
a
in sizes
20 to 50



Further dimensions and qualities on request

Basically, any compound can be used for any metal. For metals sensitive to rust, please observe the corrosion protection. The particularly good suitability and properties of the individual compounds are indicated.

Allrounder			PH-Value (1% solution)
VF-08-108	grinding/deburring/smoothing/polishing, low brightening effect, hardly any change in the colour of the workpieces, also suitable for high-gloss polishing (especially of aluminium, silver and gold)limited corrosion protection, conditionally suitable for circulation (foaming)	Grinding and polishing compound, slightly alkaline, virtually foam-free, centrifugeable, with good degreasing effect. For grinding steel, stainless steel, non-ferrous metals, light metals and plastics from a concentration of 1.5%. Well suited for polishing non-ferrous metals from 5% concentration.	8,8
VF-08-109	grinding / deburring / smoothing / polishing, brightening effect, also suitable for high gloss polishing (especially for copper, stainless steel and brass), high temporary corrosion protection, suitable for circulation	Allrounder for grinding and polishing, alkaline, extremely low-foaming, centrifugeable with good degreasing effect and good temporary corrosion protection for almost all materials from 1.5% concentration. Well suited for polishing steels and non-ferrous metals from 3% concentration.	8,9
VP-119-800	Degreases and cleans, with brightening effect, for almost all materials	Powder compound, alkaline, with very good degreasing, cleaning and brightening effect from 20% concentration with small amounts of water. Well suited for cleaning heavily soiled parts.	9,2
Polishing Compound			
VF-08-105	smoothing / polishing / high gloss brightening effect, can produce mirror finish (especially for brass, copper, aluminium), recommendation: mixture up to 3%, conditionally suitable for circulation, low-foaming, no corrosion protection	Polishing compound, acidic, low-foaming for non-ferrous and light metals, plastic and some stainless steel. Very good brightening from 5% concentration. Can also be used for preparatory grinding work from a concentration of 1.5%.	2,3

Additives

Additives

Anti adhesion balls	prevent sticking and packing of extremely flat and thin workpieces
Flocculant	organic splitting agents for supportive/enhanced water purification of oil-contaminated waste water
Defoamer	silicone-free defoamer for aqueous systems. Excellent long term effect in fully synthetic KSS as well as in emulsions without negative effects on emulsion stability
Polishing pastes for wet processing	for high-quality surfaces and corrosion protection in combination with grinding media in wet processes
Polishing paste and brilliance cream for dry processing	for high-quality surfaces and corrosion protection in conjunction with nut shell granulate and wooden polishing media
Grinding paste	various grain sizes for fine grinding and smoothing of metals, plastics and natural materials in combination with nut granulate and wooden polishing media
Adhesive-/shining oil	application in conjunction with granulate and polishing powder for enhanced substrate adhesion; relubrication of dry granulate
Grinding powder	roughening of already smoothed abrasives, increase of grinding efficiency
Odor binder	odor binding agent for the elimination of putrefactive odours or also usable as solvent-based cleaner for the removal of oil, dirt or other residues.
Circulation cleaner	cleaning agent for water circuits used for treatment and control of Microorganisms

Further additives on request

Granulate for dry processing			
Nutshell Granulate	WN-P	WN-S	WN-U*
Granulation	polishing	grinding	not impregnated
Very coarse	30 (4-6 mm)	--	30 (4-6 mm)
Coarse	50 (2,4-4 mm)	50 (2,4-4 mm)	50 (2,4-4 mm)
Less coarse	100 (1,7-2,4 mm)	100 (1,7-2,4 mm)	100 (1,7-2,4 mm)
Medium coarse	200 (1,3-1,7 mm)	200 (1,3-1,7 mm)	200 (1,3-1,7 mm)
Less fine	300 (0,8-1 mm)	300 (0,8-1 mm)	300 (0,8-1 mm)
Fine	400 (0,4-0,8 mm)	400 (0,4-0,8 mm)	400 (0,4-0,8 mm)
Very fine	500 (0,2-0,4 mm)	500 (0,2-0,4 mm)	500 (0,2-0,4 mm)



Granulate

* Impregnation with grinding or polishing paste necessary before use

Granulate	Granulate for dry processing			
	Maize granulate	MAS		
	Granulation	impregnated	not impregnated	
	Coarse		-	1,7 -2,2 mm
			-	1,1 -1,6 mm
			-	0,8 -1,8 mm
	Medium		0,4 - 0,8 mm	0,4 -0,8 mm
	Fine		0,2 -0,4 mm	0,2 -0,4 mm
	Granulate for wet processing			
	GUU Plastic granulate in sizes 0,25 to 0,5 mm	GU Ceramik granulate in sizes 0,5 to 5,8 mm	ZO White Corundum in sizes 0,21 to 0,42 mm	
	 			

subject to technical changes