

The Blasting Media

The wide range of blasting applications requires a correspondingly large number of different blasting medias. Important requirements of the blasting media, apart from the post blast surface condition, include long life, low wear and the shortest possible blasting time. From our comprehensive range of blasting medias, we will select the correct one for the surface quality you require. The range includes metallic or mineral, round or edged grain with different degrees of hardness.

Blasting Media:	Type:	Available grain sizes:	Reference:	Characteristic:	Scope of application:	
Stainless Steel	Rösler-Inoxidable	20 (0,10 - 0,30 mm) 30 (0,20 - 0,50 mm) 40 (0,30 - 0,70 mm)	45 (0,40 - 0,85 mm) 50 (0,50 - 1,00 mm) 100 (0,85 - 1,70 mm)	RND-RSH	round, bright grain structure, austenitic structure, produced by patented process	For all blasting systems for cleaning, deburring, refining, surface finishing and everywhere where resistance to rust and acid is required, also for cosmetic appearance
	Rösler-Ni-Chrono R	10 (0,050 - 0,20 mm) 20 (0,125 - 0,30 mm) 30 (0,150 - 0,45 mm) 40 (0,420 - 0,85 mm) 50 (0,600 - 1,00 mm)	60 (0,710 - 1,20 mm) 100 (0,90 - 1,50 mm) 150 (1,18 - 1,90 mm) 200 (1,40 - 2,50 mm)	RNC-R	round, bright grain with austenitic structure	For all blasting systems for cleaning, deburring, refining, surface finishing and everywhere where resistance to rust and acid is required, also for cosmetic appearance
	Rösler-Chrono	10 (0,05 - 0,20 mm) 20 (0,125 - 0,30 mm) 30 (0,15 - 0,45 mm) 40 (0,42 - 0,85 mm) 50 (0,60 - 1,00 mm)	60 (0,70 - 1,20 mm) 100 (1,00 - 1,40 mm) 150 (1,20 - 1,80 mm) 200 (1,40 - 2,50 mm)	RC-K	similar to angular grain, with martensitic structure, non acid-resistant	For all blasting systems for cleaning, deburring, refining, surface finishing and everywhere where rust resistance is required, also for cosmetic appearance
Duro Steel	Rösler-Duro-Steel NK	070 (0,20 - 0,40 mm) 110 (0,30 - 0,60 mm) 170 (0,50 - 0,80 mm) 230 (0,60 - 0,90 mm) 280 (0,70 - 1,10 mm)	330 (0,80 - 1,20 mm) 390 (1,00 - 1,60 mm) 550 (1,50 - 2,20 mm) 660 (2,00 - 2,80 mm) 780 (2,20 - 3,15 mm)	RDS-NK-S	round, low-carbon structure, high lifetime	For all blasting systems; for descaling, deburring, decoating, desanding, decorating, ceramics removal, satinfinishing
	Rösler-Duro-Steel HK	070 (0,12 - 0,42 mm) 110 (0,18 - 0,60 mm) 170 (0,35 - 0,85 mm) 230 (0,50 - 1,00 mm) 280 (0,60 - 1,18 mm) 330 (0,71 - 1,40 mm)	390 (0,85 - 1,70 mm) 460 (1,00 - 2,00 mm) 550 (1,18 - 2,00 mm) 660 (1,40 - 2,36 mm) 780 (1,70 - 2,80 mm)	RDS-HK-S	round, high-carbon structure, high lifetime	For all blasting systems; for descaling, deburring, decoating, desanding, decorating, ceramics removal, satinfinishing, shot-peening
	Rösler-Steel-Powder	0,3 (0,15 - 0,50 mm)	0,5 (0,15 - 0,71 mm)	RDS-S	special blasting media with high cleaning characteristics	For all blasting systems for deburring, derusting, deflashing, cleaning, satinfinishing, "finish-blasting", especially for sensitive components
		0,2 (0,063 - 0,15 mm) 0,3 (0,15 - 0,50 mm)	0,5 (0,15 - 0,71 mm)	RDS-SI		
	Rösler-Duro-Steel K	200 (0,04 - 0,18 mm) 120 (0,07 - 0,30 mm) 80 (0,12 - 0,42 mm) 50 (0,18 - 0,71 mm) 40 (0,30 - 1,00 mm) 25 (0,42 - 1,20 mm) 18 (0,71 - 1,40 mm) 16 (1,00 - 1,70 mm) 14 (1,20 - 2,00 mm)	hardness: S = 40 - 51 HRC M = 47 - 56 HRC L = 54 - 61 HRC H = min. 60 HRC	RDS-K-G	angular grain, high carbon grain structure, available in different hardness	For all blasting systems; because of different hardnesses it is used for all type of cleaning works as descaling, derusting, decoating, satinfinishing, roughening etc.
Duro Cast	Rösler-Duro-Cast K	02 (0,08 - 0,15 mm) 05 (0,10 - 0,30 mm) 07 (0,20 - 0,45 mm) 12 (0,40 - 0,75 mm) 17 (0,40 - 0,80 mm)	24 (0,60 - 1,00 mm) 34 (0,80 - 1,20 mm) 39 (1,20 - 1,60 mm) 55 (1,50 - 2,00 mm) 66 (1,70 - 2,30 mm)	RDC-K-G	angular, extremely high hardness by simultaneously high tenacity	For all blasting systems; particularly for descaling, deburring, stripping, derusting, etching, dulling etc.
Cut Wire	Rösler-steel-cut-wire	0,4 mm 0,6 mm 0,8 mm other sizes on request	1,0 mm 1,2 mm 1,4 mm	RSDK	G1/G2/G3 rounded compact grain size, lowest consumption	for all blasting systems, especially for shot-peening and descaling
	Rösler-stainless-steel-cut-wire	0,4 mm 0,6 mm 0,8 mm other sizes on request	1,0 mm 1,2 mm 1,4 mm	RESD	G1/G2/G3 rounded compact grain size, lowest consumption	for all blasting systems, especially for treatment in stone-industry and stainless steel production
	Rösler-aluminium-cut-wire	0,5 mm 0,6 mm 0,8 mm other sizes on request	1,0 mm 1,2 mm 1,4 mm	RADK	G1, compact grain size, lowest consumption	for all blasting systems, especially for Aluminium and delicate components

Selected qualities, continuously monitored by RÖSLER quality control, guarantee consistent, reproducible results. On-going comparative tests, blasting tests and the monitoring of blasting medias in production use, maintain continuous further development and ensure, that what was originally an "aid" has now become an essential element in reducing costs. The blasting medias listed below are used in our worldwide test centers, and at many of our customers for optimum blasting results. We would be pleased to send you the data-sheets for these medias, and specific details of available grain sizes and compositions.

We always endeavour to fulfil customer's requirements, and could on request also deliver types and sizes which are not shown in the list below.

Blasting Media:	Type:	Available grain sizes:		Reference:	Characteristic:	Scope of application:
Aluminium	Rösler-Alu-Cast	20 (0,20 - 0,40 mm) 40 (0,40 - 0,80 mm) 60 (0,60 - 1,00 mm)	80 (0,80 - 1,20 mm) 120 (1,20 - 1,80 mm) 180 (1,80 - 2,50 mm)	RAC-R	similar to round grain, available in different grades for improved performance	For all blasting systems; descaling, deburring, smoothing, dulling, burnishing, etc., particularly of components made from light metal
Corundum	Rösler-Normal-Corundum	220 (44 - 74 my)	46 (297 - 420 my)	RK	angular grain structure, with Fe ₂ O ₃ contents	Can only be used in compressed air systems; because of its extreme abrasive properties, ideal for descaling, derusting, stripping, roughening, dulling
		180 (53 - 88 my)	40 (354 - 500 my)			
		150 (63 - 105 my)	36 (420 - 595 my)			
	Rösler-Mixed-Corundum	120 (88 - 125 my)	30 (500 - 707 my)	RMK	angular grain structure, return flow material with Fe ₂ O ₃ parts	Can only be used in compressed air systems; because of its extreme abrasive properties, ideal for descaling, derusting, stripping, roughening, dulling
		100 (105 - 149 my)	24 (595 - 841 my)			
		90 (125 - 177 my)	20 (841 - 1190 my)			
Rösler-Crystal-Corundum	80 (149 - 210 my)	16 (1000 - 1410 my)	REK	angular grain structure, without Fe ₂ O ₃ parts	Can only be used in compressed air systems; because of its extreme abrasive properties, ideal for descaling, derusting, stripping, roughening, dulling	
	70 (177 - 250 my)	14 (1190 - 1680 my)				
	60 (210 - 297 my)	12 (1410 - 2000 my)				
		54 (250 - 354 my)	10 (1680 - 2380 my)			
Ceramic Beads	Rösler-Ceramic-Blasting-Beads	20 (0,60 - 0,85 mm) 30 (0,425 - 0,60 mm) 40 (0,25 - 0,425 mm) 60 (0,125 - 0,25 mm)	120 (0,07 - 0,125 mm) 125 (0,00 - 0,125 mm) 205 (0,00 - 0,063 mm)	RKSP	round grain structure, high ultimate breaking strength, no Fe-contents	Good for compressed air systems, suitable for some shot-blasting wheels; for gentle cleaning, descaling, deburring, smoothing, dulling, surface-finishing, hardening, shot peening etc.
Glass Beads	Rösler-Toughend-Glass-Blasting-Beads	250 (1,00 - 50,0 my) 220 (40,0 - 70,0 my) 180 (50,0 - 105,0 my) 150 (70,0 - 110,0 my) 100 (90,0 - 150 my) 90 (100,0 - 200,00 my)	70 (150,0 - 250,0 my) 60 (200,0 - 300,0 my) 55 (200,0 - 400,0 my) 45 (300,0 - 400,0 my) 35 (400,0 - 600,0 my) 30 (400,0 - 800,0 my)	RPGP	round grain structure, high ultimate breaking strength, no Fe-contents	For all blasting systems (note the higher consumption in blast wheel systems); especially for blasting and peening process on titanium and special high alloyed components as well as for decoating, roughening, satinfinishing, shot peening, polishing a. s. o
	Rösler-Nature-Stones	0,20 - 0,45 mm 0,45 - 0,80 mm 0,45 - 1,00 mm	1,30 - 1,70 mm 1,70 - 2,40 mm 2,40 - 4,00 mm	RNK	irregular, vegetable grain	for all blasting systems with excellent blast cleaning and soft roughening results, especially for delicate components
Polyamide	Rösler-Polyamide	0,50 x 0,50 mm 0,75 x 0,75 mm 1,00 x 1,00 mm 1,00 x 1,50 mm 1,50 x 1,50 mm 2,00 x 2,00 mm 3,00 x 3,00 mm 0,75 x 0,75 mm	1,00 x 1,00 mm 1,00 x 1,50 mm 1,50 x 1,50 mm 2,00 x 2,00 mm 0,75 x 0,75 mm 1,00 x 1,00 mm 1,50 x 1,50 mm 2,00 x 2,00 mm	RPD	red-/natural coloured, cubical grain structure	for all blasting systems for gentle deburring and cleaning of duroplastic, rubber parts and also for zinc- or aluminum diecastings
Duroplast	Rösler-Duroplast	0,10 - 0,20 mm 0,20 - 0,50 mm 0,50 - 0,80 mm	0,80 - 1,20 mm 1,20 - 1,80 mm	RDP II	urea resin	for all components for delacquering, cleaning and deburring of components with a minimum effect onto the components
		0,20 - 0,60 mm 0,60 - 1,00 mm	1,00 - 1,60 mm	RDP III	melamine resin	for all components for delacquering, cleaning and deburring of components with a minimum effect onto the components
		0,25 - 0,40 mm	0,40 - 0,60 mm	RDP V	acrylic resin	for all components for delacquering, cleaning and deburring of components with a minimum effect onto the components
Poly-carbonate	Rösler-Polycarbonate	0,50 x 0,50 mm 0,75 x 0,75 mm 1,00 x 1,00 mm	1,50 x 1,50 mm 2,00 x 2,00 mm 3,00 x 3,00 mm	RPC III	cylindrical	for all blasting systems for gentle deburring of elastomer rubber parts for use in cryogenic application
Antistat media	Rösler-Destatic			RDST		special additive for all blasting systems to reduce static loading