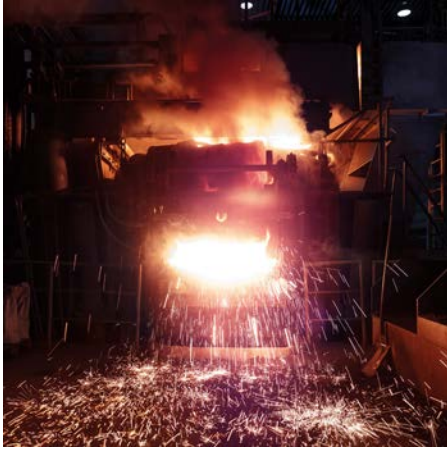


AMASTEEL®



The Ervin technology for high carbon steel abrasives is the most advanced worldwide. Ervin manufacture to 3rd party international specifications in Glaubitz, Germany. This ensures AMASTEEL shot and grit is a consistently high quality martensitic abrasive.

Continuous quality control, in combination with the cutting-edge production process, optimises durability and cleaning power.

AMASTEEL is ideal for:

- Automatic wheel blast machines
- Air blast systems
- Desanding, descaling & deburring
- Surface preparation
- Shot peening
- Cutting

Example applications:

- Foundry and Forge
- Metallurgy
- Transportation
- Energy sector
- Construction
- Fabrication

Key benefits:

- Lowest consumption
- Highest productivity, lowest cost
- Consistent abrasive performance
- Reduced wear
- Reduced dust & waste disposal
- Local technical support

AMASTEEL®

Chemical Analysis

C	.....	0.80 - 1.20%
Mn	S70 to S110	0.35 - 1.20%
	S170	0.50 - 1.20%
	S230 and above, all grit sizes	0.60 - 1.20%
Si	.....	0.40% MIN
S	.....	0.05% MAX
P	.....	0.05% MAX

Hardness

S Shot & Grit	..	40 - 51 HRC (390 - 530 HV)
M Shot & Grit	..	47 - 56 HRC (470 - 610 HV)
L Shot & Grit	..	54 - 61 HRC (570 - 720 HV)
H Grit	.....	≥ 60 HRC (700 HV)

Density

Shot	.....	≥ 7.0 g/cm ³
Grit	.....	≥ 7.3 g/cm ³

Packaging

1.5 tonne Big Bag
1 tonne Euro pallet with
40 lined paper bags x 25 kg

Microstructure

Uniform tempered martensite

SHOT	mm	2.800	2.360	2.000	1.700	1.400	1.180	1.000	0.850	0.710	0.600	0.500	0.425	0.355	0.300	0.180	0.125
	SAE	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120
S780		AP		85% MIN	97% MIN												
S660			AP		85% MIN	97% MIN											
S550				AP		85% MIN	97% MIN										
S460				AP	5% MAX		85% MIN	96% MIN									
S390					AP	5% MAX		85% MIN	96% MIN								
S330						AP	5% MAX		85% MIN	96% MIN							
S280							AP	5% MAX		85% MIN	96% MIN						
S230								AP	10% MAX		85% MIN	97% MIN					
S170									AP	10% MAX			85% MIN	97% MIN			
S110											AP	10% MAX			80% MIN	90% MIN	
S70													AP	10% MAX		80% MIN	90% MIN

GRIT	mm	2.800	2.360	2.000	1.700	1.400	1.180	1.000	0.710	0.425	0.300	0.180	0.125	0.075
	SAE	7	8	10	12	14	16	18	25	40	50	80	120	200
G10		AP		80% MIN	90% MIN									
G12			AP		80% MIN	90% MIN								
G14				AP		80% MIN	90% MIN							
G16					AP		75% MIN	85% MIN						
G18						AP		75% MIN	85% MIN					
G25							AP		70% MIN	80% MIN				
G40								AP		70% MIN	80% MIN			
G50									AP		65% MIN	75% MIN		
G80										AP		65% MIN	75% MIN	
G120											AP		60% MIN	70% MIN

Special sizes are available upon request.

Specifications

SHOT: SAE J444 & J827, ISO 11124-3
GRIT: SAE J444 & J1993, ISO 11124-3

AP = All Pass
MIN = Minimum
MAX = Maximum