

Features and Advantages

Steel Shot is actually a sphere-shaped form of steel casting. The shot is manufactured by pouring a molten mixture of premium grade steel and select alloys through a series of water jets. On contact with the water, the molten metal is atomized, forming round particles in a controlled range of sizes. They are then sized, quenched and tempered in a unique heat treating process that assures ultimate control over the microstructure and hardness of the product.

Applications

Steel Shot has varied markets such as automotive, aerospace, agricultural construction, foundry, mining, railroad and shipyard, stone cutting, petro chemical and other major industries. In a peening application, shot is used to impact compressive strength to torque or load bearing metal parts, such as jet engine turbine blades, automotive springs or heavy equipment crankshafts.

Particle Size Analysis & Properties

Screen	Screen	S-780	S-660	S-550	S-460	S-390	S-330	S-280	S-230	S-170
No.	Size									
7	0.1110	1%								
		Max.								
8	0.0937		1%							
			Max.							
10	0.0787	85%		1%	1%					
		Min.		Max.	Max.					
12	0.0661	97%	85%		5%	1%				
		Min.	Min.		Max.	Max.				
14	0.0555		97%	85%		5%	1%			
			Min.	Min.		Max.	Max.			
16	0.0469			97%	85%		5%	1%		
				Min.	Min.		Max.	Max.		
18	0.0394				96%	85%		5%	1%	
					Min.	Min.		Max.	Max.	
20	0.0331					96%	85%		10%	1%
						Min.	Min.		Max.	Max.
25	0.0280						96%	85%		10%
							Min.	Min.		Max.
30	0.0232							96%	85%	
								Min.	Min.	
35	0.0197								97%	
									Min.	
40	0.0165									85%
										Min.
45	0.0138									97%
										Min.

TYPICAL VALUES – Data shown is accurate and reliable, but not a specification.

Chemical Analysis

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Iron	Fe	>95%	
Carbon	С	.8 – 1.3%	
Silicon	Si	.3 – 1.2%	
Chromium	Cr	.25%	
Nickel	Ni	<.2%	
	Carbon Silicon Chromium	Carbon C Silicon Si Chromium Cr	

Ordering Information	Ordering	Information
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Shipping Point: Edmonton Distribution Centre

Packaging:

50 lb. multiwall paper bags and 1 ton drums

Edmonton Distribution Centre

 305 – 116 Ave. N.W., Edmonton, AB T6S 1G5

 Order Desk:
 (780) 467-2627

 Fax:
 467-2752

 Toll Free:
 1-800-661-6982

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