

PanaShot™ Peening Shot

Product Description and Technical Data:

PanaShot™ Peening Shot is manufactured from high quality steel scrap that is melted, atomised with high-pressure water and then conditioned to produce a uniform, spherical shot designed specifically for shot peening applications.

The spherical shape, controlled hardness and refined microstructure ensure consistent and repeatable performance in peening operations, providing stable Almen intensity and uniform coverage.

PanaShot™ helps to introduce beneficial residual compressive stresses on the component surface, improving fatigue strength and extending service life.

The shot is carefully graded to meet international specifications such as SAE J441 and AMS 2431, ensuring accurate size distribution, high sphericity and minimal broken particles.

PanaShot™ Peening Shot is widely used for peening critical components including springs, gears, fasteners, automotive parts, aerospace components and other high-performance engineering applications.

With its consistent quality, durability and long service life, PanaShot™ provides a reliable and economical media solution for demanding shot peening operations.



SAE S780



SAE S660



SAE S550



SAE S460



SAE S390

PanaShot™ Peening Shot

AMS 2431 Peening Cast Steel Shot
(Regular - ASR , High - ASH Hardness)

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Screen No.	Screen Size (In)	Metric Size (mm)	Shot Size										
			780	660	550	460	390	330	280	230	170	110	070
6	0.1320	3.35	0%										
7	0.1110	2.80	≤ 2%	0%									
8	0.0937	2.36	≤ 50%	≤ 2%	0%								
10	0.0787	2.00	≥ 90%	≤ 50%	≤ 2%	0%							
12	0.0661	1.70	≥ 98%	≥ 90%	≤ 50%	≤ 2%	0%						
14	0.0555	1.40		≥ 98%	≥ 90%	≤ 50%	≤ 2%	0%					
16	0.0469	1.18			≥ 98%	≥ 90%	≤ 50%	≤ 2%	0%				
18	0.0394	1.00				≥ 98%	≥ 90%	≤ 50%	≤ 2%	0%			
20	0.0331	0.850					≥ 98%	≥ 90%	≤ 50%	≤ 2%			
25	0.0280	0.710						≥ 98%	≥ 90%	≤ 50%	0%		
30	0.0232	0.600							≥ 98%	≥ 90%	≤ 2%		
35	0.0197	0.500								≥ 98%	≥ 50%	0%	
40	0.0165	0.425									≥ 90%	≤ 2%	0%
45	0.0138	0.355									≥ 98%	≤ 50%	≤ 2%
50	0.0117	0.300										≥ 90%	≤ 50%
80	0.0070	0.180										≥ 98%	≥ 90%
120	0.0049	0.125											≥ 98%

Regular and High Hardness Grades

PanaShot™ peening shot is available in Regular hardness (ASR) and High hardness (ASH) grades to meet the requirements of AMS 2431.

Regular Hardness (ASR)

- Typical hardness ~ 40 – 52 HRC
- Suitable for general peening applications
- Good durability and cost efficiency

High Hardness (ASH)

- Typical hardness ~ 55 – 62 HRC
- For more demanding peening requirements
- Extended service life and higher resistance to wear

Packaging and Order Information

PanaShot™ peening shot is supplied in standard 25 kg (55 lb) bags, 1,000 kg bulk bags or as per customer requirement.



For specific grades, sizes or customised packaging, please contact Pan Abrasives.