



W Abrasives®
Why use **Round Steel Shot** for your
surface preparation?

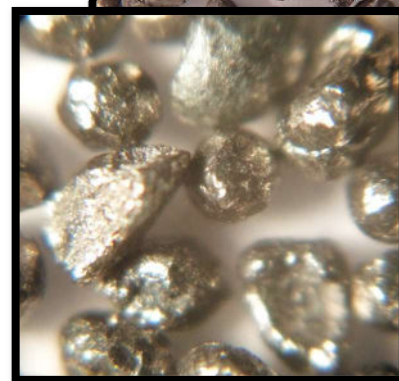
Why use Round Steel Shot for your surface preparation?

We often hear that it is dangerous to use grit in a Wheelblast machine. It seems that the grit would destroy the equipment and the life of the turbines.

However, we lose all the benefits of the efficiency that an angular shot can bring us.

Why peen when you want to descale and create an anchor profile before surface preparation?

W Abrasives produces an angular shot which will ultimately allow you to reach your surface preparation objectives if you use round shot.

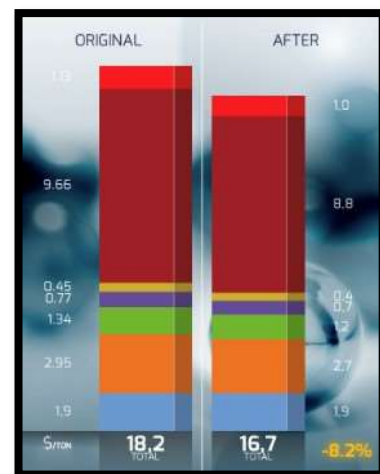


The 8 advantages of the GP Angular Shot:

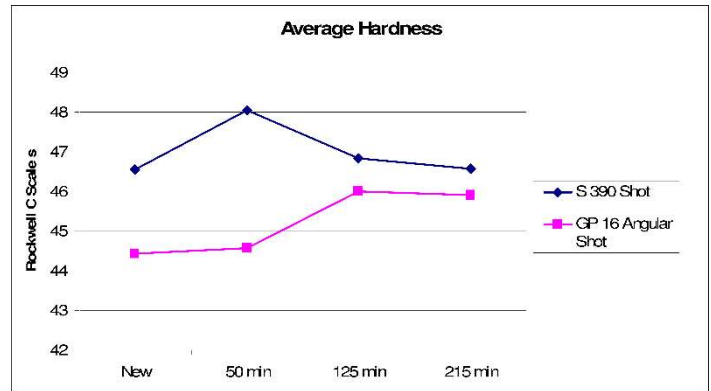
1- Shape of the abrasive: With an initial angular shape, the GP angular shot will create a better anchoring profile for the finish and will clean the parts more quickly;

2- Production efficiency: Typically, a reduction in cycle time and greater efficiency is obtained, up to 10%;

3- Consumption: Due to the manufacturing principle and a lower hardness, the consumption of the GP grit is lower than that of the round shot. This is normally 5% to 10% lower;

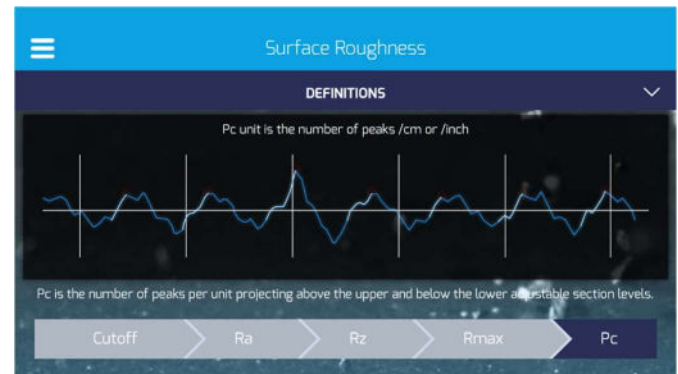


4- Lesser Hardness: The angular shot being soft at start, it will tend to round off fairly quickly during use and become in the "potato" form. This will indirectly give it the advantages of the round ball. With the normal and regular addition of media to maintain the level of abrasives in the blast machine, you will get the best of both worlds;



5- Maintenance Costs: Being softer at the start when in the angular form, and thanks to the reduced cycle time of up to 10%, the maintenance costs of the shot blasting machine, per produced part, remain the same, if not are lower.

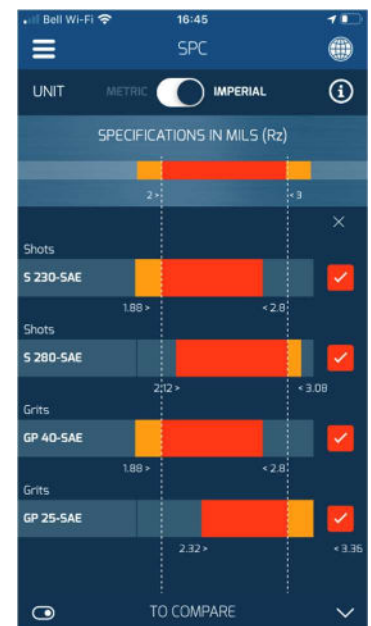
6- Profile height: A GP grit well selected for the application will keep the same profile height, which will have no impact on paint consumption, but with better adhesion!



7- Higher Peak Count: As mentioned in several independent studies, the adhesion of paint on a metal surface is better when the peak count is higher. In general, we obtain around 25 to 50% more peaks when using the GP versus the round shots.

8- Total Costs: due to the increased cleaning efficiency, cycle times are reduced having a direct impact on production costs. In addition, electricity and maintenance costs will decrease with increased performance. **Typically, we get a total cost reduction of around 8%!**

Shot & GP Angular Shot Equivalent Sizes	
Shot	GP
S390	GP16
S330	GP18
S280	GP25
S230	GP32
S170	GP40



As presented here, the GP angular shot will allow you better and more beautiful blasting results than shot at equivalent size, with improved surface profiles while reducing your blasting costs.

Consult us for more details and subscribe to our Winoa channel on LinkedIN for additional technical information and news on surface preparation!