



BLAST MEDIA DATA SHEET

GUYSON TURBOBEAD (turbine wheel and dry compressed air systems)

General

Guyson Turbobead is heat-treated carbon steel bead with a uniform Martensitic structure. This provides excellent resilience and resistance to fatigue. The rounded shape remains during use and the shot multiplies its effectiveness during blasting due to the ricochet effect. Wear on blast equipment is minimised and the media itself has an excellent blast life.

Turbobead would generally be used in wheel/turbine or pressure blast systems, but some of the smaller beads could also be used in suction feed systems

Typical Applications

Cleaning, deburring and preparing ferrous surfaces. Reconditioning. Shot peening

Chemical composition:

Carbon steel bead	
Carbon	: 0.85 – 1.20%
Manganese	: 0.35 – 1.20%
Silicon	: 0.40 – 1.50%
Sulphur	: 0.05% maximum
Phosphorous	: 0.05% maximum

Physical data

Shape	:	Spherical
Colour	:	Silver / black metallic
Apparent density	:	Not less than 7g/cc
Hardness	:	40 – 50 HRC (390 – 510 VPN)

Sizes Available Nominal Size Range (microns)

S070	:	180 – 350
S110	:	300 – 500
S170	:	420 – 710
S230	:	600 – 850
S280	:	710 – 1000
S330	:	850 - 1200

Pack Size : 25 kg

See Guyson MSDS reference 24 for all other details

Turbobead is a non-toxic and non-hazardous product. No special disposal precautions are required for the product once it has been used for blast finishing purposes. However, contamination from a specific application or process must also be considered prior to disposal