

KEYSTONE SLURRY VALVES

FIGURE 635/2000

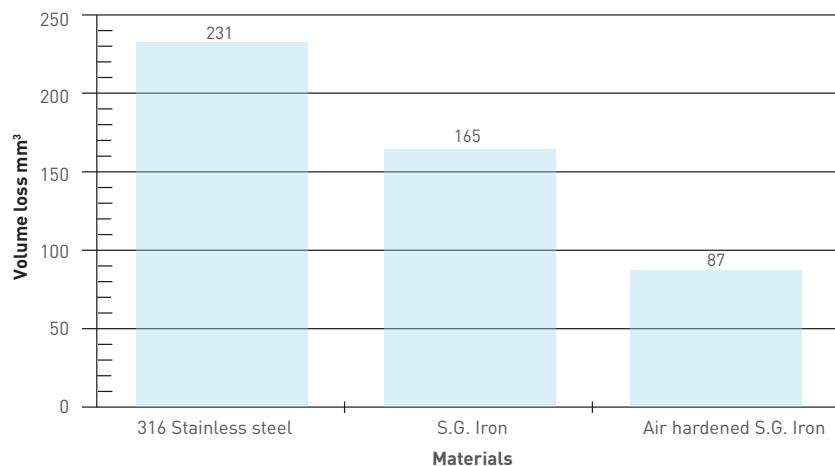
Technical specifications for air hardened S.G. iron.

TECHNICAL MATERIAL SPECIFICATIONS

Trim number:	N
Formula number:	EM-D1-8
Common name:	Air hardened spheroidal graphite iron (ductile iron)
Tensile strength (Typ):	1000 MPa min (150,000 psi)
Yield strength (Typ):	700 MPa min (100,000 psi)
Elongation % in 2 inches (Typ):	2 (minimum)
Brinell hardness	375 - 420
Abrasion resistance:	Tested to ASTM G-65 Procedure A by a NATA approved laboratory. Refer to the chart below for comparative wear rates.
General notes:	This martensitic ductile iron was specially formulated by Emerson for use in abrasive mining applications particularly alumina liquors. Its hardened surface offers excellent abrasion resistance and has proven to be superior to standard spheroidal graphite (S.G.) iron and 300 series stainless steels. Its corrosion resistance is the same as normal S.G. Iron.
Product usage:	F635 body and disc 50 - 500mm F2000 disc 50 - 500mm



Comparative wear rates:



The actual wear rates can vary from the laboratory results nominated. They can be effected by such things as wet service, particle size, cavitation and impingement angle.

NOTE:

The lower the figure, the better the abrasion resistance.

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