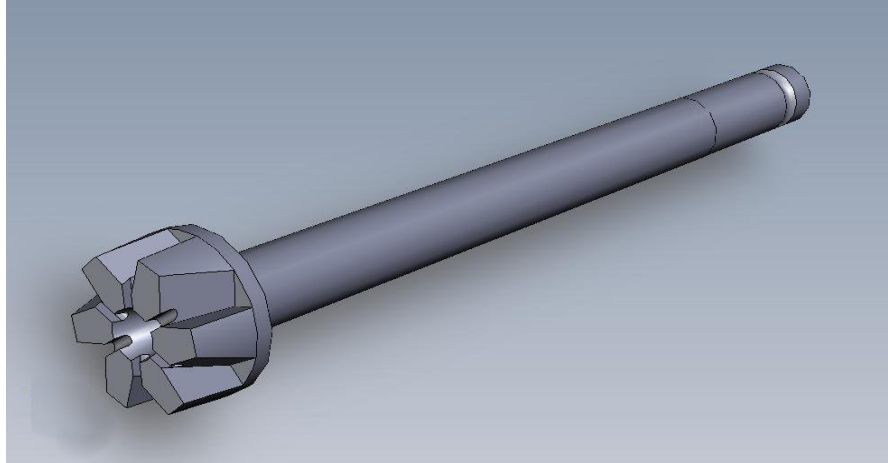


Degassing Rotor - Silicon Carbide



INTRODUCTION

One of the major concerns in the modern aluminium casting industry is aluminium alloy cleanliness. With the ever increasing demands for improved casting properties, the requirements for molten metal cleanliness has become extremely stringent. The removal of dissolved hydrogen and unwanted particles from the melt using rotary degassing has become a widely used foundry practice.

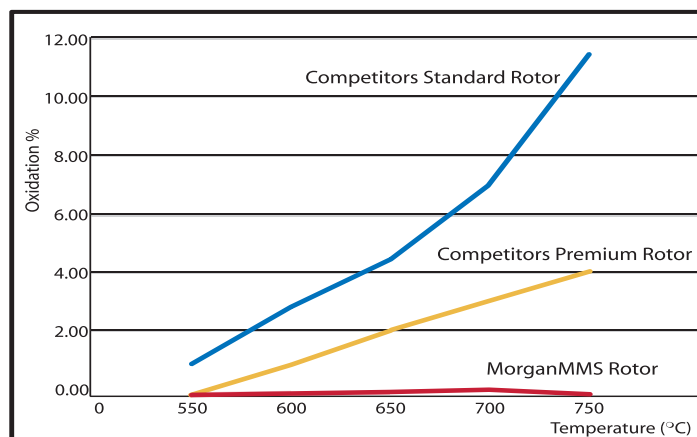
Morgan Molten Metal Systems (Morgan MMS) has developed a one piece silicon carbide rotor and shaft for use in this process. The Morgan MMS rotary degassing rotor has a high resistance to wear in service and has excellent anti oxidation properties providing a cost effective consumable for use in foundries' degassing processes. Morgan MMS' degassing rotor can be supplied in a range of sizes to suit customer's applications.

FEATURES

- One piece shaft and rotor
- Wear resistant silicon carbide material
- Excellent oxidation resistance
- Rotor designed for good gas dispersal
- Six vane rotor to reduce bubble size for better hydrogen removal

ADVANTAGES

- Efficient removal of hydrogen and unwanted particles
- Quick changeover of rotor
- One piece construction
- Long life
- Cost effective

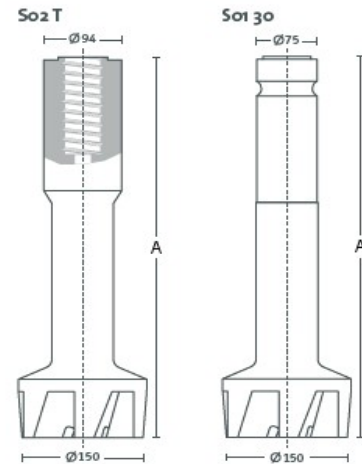


Tests show significantly lower oxidation levels at operating temperatures for the Morgan MMS silicon carbide rotor than for leading competitive products in other materials.

The Morgan MMS degassing rotor is currently available with a rotor diameter of 150mm in lengths up to 1200mm to suit customer requirements.

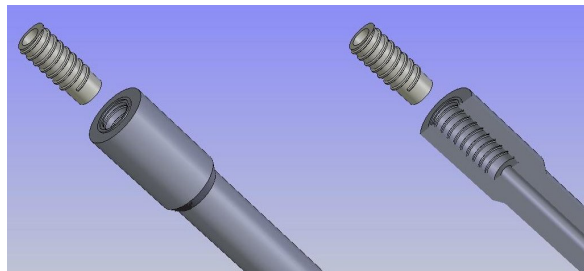
DIMENSIONS

REFERENCE	LENGTH (mm)	COMMENTS
DGRU "A" -H01 150-S01 30	"A"	30MM CAMLOCK FITTING
DGRU "A" -H01 150-S02 T	"A"	MMMS THREADED COUPLING
DGRU "A" -H01 150-S01 30 MR	"A"	LOCKING PIN CUTOUTS
DGRU "A" -H01 150-S03 24	"A"	24MM CAMLOCK FITTING



MORGAN MMS THREAD ADAPTER

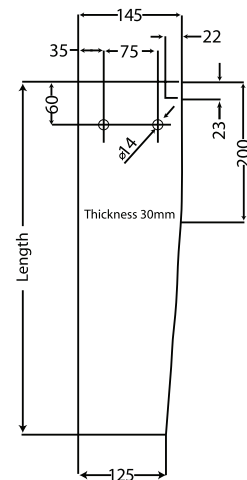
This adapter can be screwed onto a 1 3/8" acme thread coupling to allow the MorganMMS threaded rotor to be attached to the degassing machine. This adapter can also be modified to convert other threaded or flanged couplings to the Morgan MMS thread. With the addition of a flange this adapter can be fitted to most degassing machines.



ANTI VORTEX PLATE

To complement our degassing rotor, Morgan MMS also produces a clay graphite anti vortex plate. This plate is manufactured in a proven wear and oxidation resistant material. It will help stop the reintroduction of hydrogen and aluminium oxide particles into the treated molten aluminium by reducing the circular metal flow caused by the rotation of the degassing rotor.

Reference Number	Length
1580388	420
1580395	450
1580400	500
1580510	650



For additional information on Morgan MMS' products & services or to find a location nearest to you, please visit:
www.morganmms.com