

Dia-Clad HFRA Hard Facing Rods - HFRA

DiaPac™ provides a full range of Tungsten Carbide based hardfacing products utilizing self fluxing Nickel alloys as a matrix binder. The Dia-Clad HFRA range of products are primarily applied using the oxy-acetylene brazing process but may, if necessary, be applied using the TIG (GTAW) process. By utilizing a full range of Tungsten Carbide materials available together with a wide variety of self fluxing Nickel alloys DiaPac™ is able to support and design custom products to provide solutions to your wear problems.

DiaPac's **Dia-Clad** HFRA sintered hardfacing products provide exceptional corrosion, oxidation, and abrasion resistance. The Nickel based alloy yields excellent corrosion properties, minimal dilution of the Tungsten Carbide particles and a repairable weld deposit. Applications in mining, construction, agriculture, and energy can be protected from low and high stress abrasion while providing corrosion resistance in a repairable deposit.

Standard Self Fluxing HFRA Hardfacing Rod (All rods utilize a 30RC self fluxing alloy)

Product Name	Product Description	Tungsten Carbide Used	Sample Mesh Sizing
HFRA-CCZ-60	HFRA 5/32X18" CCZ F60	Cast Carbide	40 x 80
HFRA-PL-60	HFRA 5/32X18" PL F60	WC/Co Pellets	40 x 60
HFRA-CCS-60	HFRA 5/32X18" CCS F60	Spherical Cast	80 x 140
HFRA-SC-60	HFRA 5/32X18" SCF60	Crushed Scrap Carbide	40 x 60
HFRA-WCZ-60	HFRA 5/32X18" WCZ F60	Mono Tungsten Carbide	40 x 100

- * Alloy rods for surface preparation are available
- * Alloy matrix can be varied from 15Rc to 60Rc to suit customer requirements by special request.
- * Carbide content can be varied depending upon application from 35% up to 70% by special request.
- * Carbide sizes can be varied depending upon customer requirements by special request.
- * Standard dimensions are 18" (460mm) long and 5/32" (4.0mm) square. Special sizes can be made by special request.
- * Additional carbides are available for designing your solution. These include but are not limited to, spherical cast carbide, cast carbide, coarse tungsten carbide, angular, WC/Co particles, and spherical WC/Co particles which can be blended and sized per customer requirements and application.

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