

Heat Resistant Casting Products For Sponge Iron Plant

INNOVATION
BEYOND IMAGINATION



BEC

The Art of Engineering

CASTING

EXCELLENCE FOR A
BETTER WORLD !!

We Focus on Time & Quality

KILN FEED TUBE



AIR INJECTION
TUBE
(Air Tube
& Dome)

CENTRAL BURNER PIPE
(CB Pipe)



COAL
THROUGH PIPE



Heat Resistant Casting Products For Sponge Iron Plant

RADIATION
PROTECTION TUBE



CLAMPING FLANGE
AND
SWILLER FOR AIR

TIP
CASTING



NOZZLE PLATE
FOR
AIR INJECTION TUBE

FEED TUBE GUIDE



HK 40

DESCRIPTION

HK alloy, more well known as HK 40, is an austenitic Fe-Cr-Ni alloy that has been a standard heat resistant material for over four decades. With moderately high temperature strength, oxidation resistance and carburization resistance the alloy is used in a wide variety of industrial applications.

COMPOSITION

	C	Mn	Si	Cr	Ni	P	S
Min %	0.35	0.4	0.5	23	19	-	--
Max %	0.45	1.5	1.5	27	22	0.03	0.03

PRODUCT FORMS

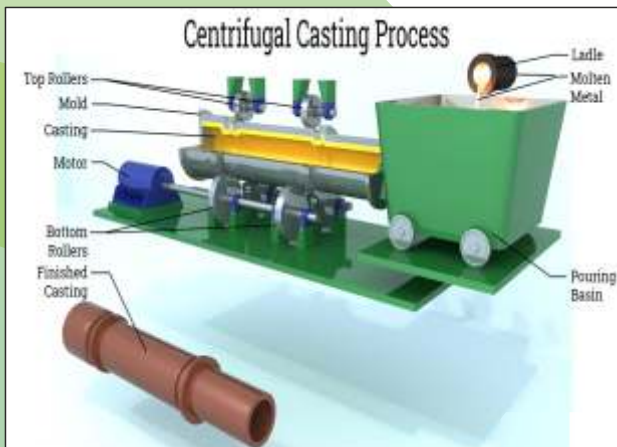
HORIZONTAL
AND VERTICAL
CENTRIFUGAL CASTINGS
STATIC CASTINGS.

PHYSICAL PROPERTIES

Density	:	(lbs/in ³) 0.280
Melting Point	:	(oF) 2540
Thermal Conductivity	:	7.9 @ 212 F
(Btu/h/ft ² /ft/ F)	:	15.7 @ 1600 F
	:	17.1 @ 1800 F
Thermal Expansion	:	9.8 @ 70-

WELDABILITY

HK40 alloy has good weldability by the SMAW, GTAW and GMAW processes using filler metal of matching composition.



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CONTACT US

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