



# LOTHERME



## LoTherme OA - 457 S

### An 18-8-5 Stainless Steel OA wire for Joining & Surfacing

#### Characteristics :

LoTherme OA-457S wire deposits 18Cr - 8Ni - 5Mn type work hardening, radiographic quality weld metal, suitable for welding manganese steel to carbon steel and for build up applications involving severe impact and compressive loads. It is used for welding 13% Mn steel, high carbon steels and other steels which are difficult to weld with unalloyed or low alloyed electrodes.

#### Applications:

LoTherme OA-457S wire is suitable for welding of railway points & crossings, armour plate, dredging equipments, hammers, jaw & cone crusher, roll crushers, roll crusher, various steel mill applications like; coupling boxes, hook liners, ladle repairs, joining of wear plates, etc. This wire is also used as buffer layer before hand surfacing.

#### Typical Mechanical Properties Of All Weld Metal:

ULTIMATE TENSILE STRENGTH	:	620 N/mm <sup>2</sup>
ELONGATION (L=4d)	:	30 %
HARDNESS: AS WELDED	:	180-200 BHN
WORK HARDENED	:	UP TO 400 BHN

#### Current Conditions : DC(+)

Diameter (mm)	2.4	2.8
Current Range (Amps)	200-300	250-350
Voltage (V)	26-28	26-28
Stick Out (mm)	30-40	30-40

#### Standard Wire Diameter (mm): 2.4 and 2.8

#### Packing:

Supplied in layer wound 12.5 kgs plastic spool. Each spool is sealed in a polythene bag and then packed in a shrink-wrapped corrugated box.

**Note :** Any other type of packaging, or other than standard wire sizes, may be available on request.