



WIRE AND WIRE PRODUCTS

New # 22 , (Old # 21-J/2) , SIDCO Industrial Estate ,
Ambattur , Chennai - 600 098.

ISO 9001:2015 CERTIFIED COMPANY

COLD HEADED QUALITY WIRE

PRODUCT : CARBON STEEL CHQ WIRE

APPLICABLE GRADES SAE 1008 , 1010 , 1015 & 1018 (SWRCH 8A , 10A , 15A & 18A)

DESCRIPTION

Carbon Steel CHQ Wire is a widely used in the manufacturing of Wood , Maching , Taping , Drywall Screens , Tubular Revets , Bolts , Nuts etc

DIAMETER RANGE (mm)

2.50 to 28 .00

CHEMICAL COMPOSITION %

Grade	C	Mn	Si	P	S
SAE 1008	0.10 Max	0.30 / 0.50	0.20 Max	0.04 Max	0.05 Max
SAE 1010	0.08 / 0.13	0.30 / 0.60	0.20 Max	0.04 Max	0.05 Max
SAE 1015	0.13 / 0.18	0.30 / 0.60	0.20 Max	0.04 Max	0.05 Max
SAE 1018	0.15 / 0.20	0.60 / 0.90	0.25 Max	0.04 Max	0.05 Max

MECHANICAL PROPERTIES

Grade	PPD		SAPPD	
	Nut	Bolt	Nut	Bolt
SAE 1008	40 - 52	40 - 52	NA	40 - 45
SAE 1010	40 - 52	40 - 52	NA	40 - 45
SAE 1015	40 - 52	40 - 52	NA	40 - 45
SAE 1018	42 - 52	42 - 52	NA	40 - 45

* Other than the above grades we can supply as per your Requirement also

DECARBURISATION (APPLICABLE FOR SAPPD PRODUCTS ONLY)

Partial Decarb to a depth of maximum 1% of Wire Rod Size Permissible

UPSETTABILITY (APPLICABLE FOR SAPPD PRODUCTS ONLY)

A sample height of 1.5 x dia when subject to upset to 67% of its initial height will be free from bursting , hairline crack ,

MICROSTRUCTURE (APPLICABLE FOR SAPPD PRODUCTS ONLY)

Free from Banding and have uniform distribution of Ferrite and Pearlite

GRAIN SIZE (APPLICABLE FOR SAPPD PRODUCTS ONLY)

Range permissible 6 - 9 as per ASTM E112

COIL ID

550 TO 1000 mm

PACKING

Coils wrapped with stretch film and gunny roll with proper identification tags and colour code tape in coil weights from 100 - 1000 Kgs.