



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 : ALLOY STEEL

APPLICABLE GRADES 4135 , 4140

DESCRIPTION

Alloy Steel CHQ Wire is a widely used in the manufacturing of High Tensile Bolts , Nuts etc

DIAMETER RANGE (mm)

2.50 to 28 .00

CHEMICAL COMPOSITION %

Grade	C	Mn	Cr	P	S
AISI 4135	0.33 / 0.38	0.70 / 0.90	0.80 / 1.10	0.025 Max	0.25 Max
AISI 4140	0.38 / 0.43	0.75 / 1.00	0.80 / 1.10	0.025 Max	0.25 Max

MECHANICAL PROPERTIES

Grade	PPD		SAPPD		
	Nut	Bolt	Nut	Bolt	
AISI 4135	NA	NA	NA	50 - 65	
AISI 4140	NA	NA	45 - 50	50 - 65	

*** 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.