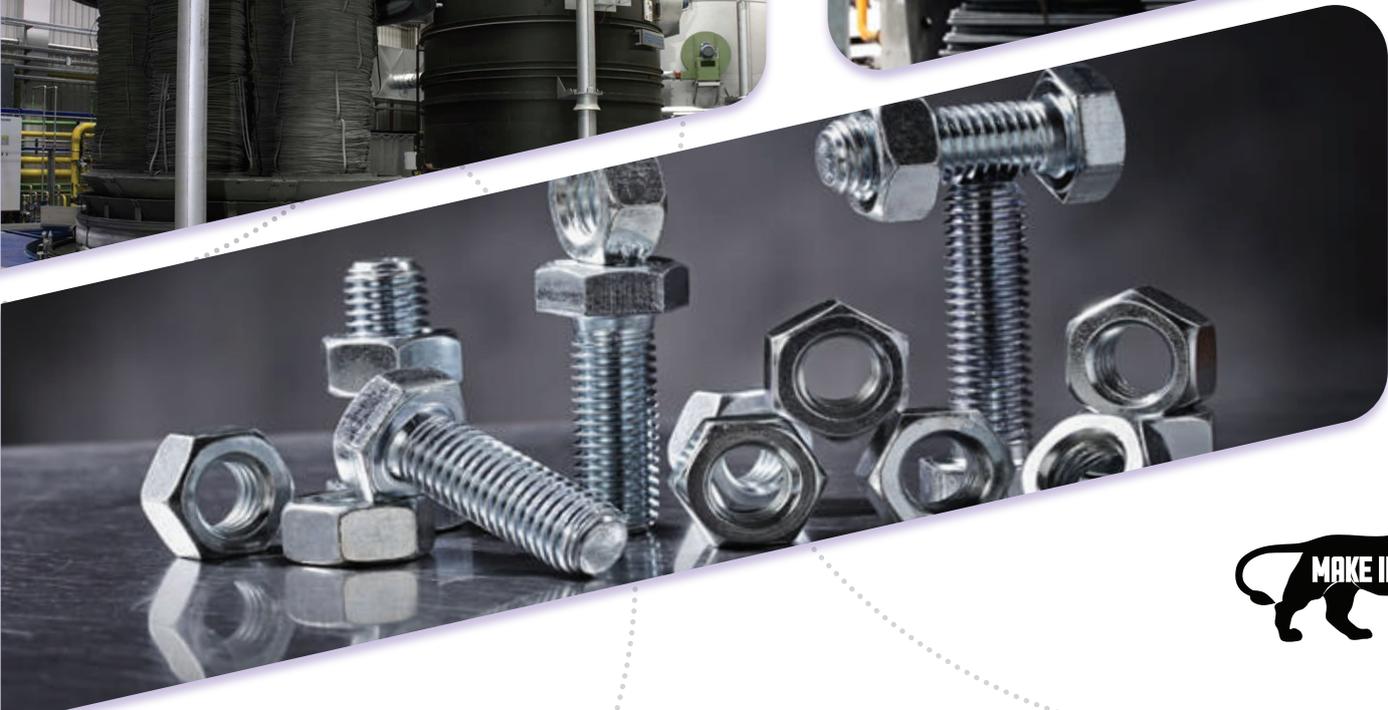


syscon wires
© Systematic Wires Pvt Ltd

LEADING
MANUFACTURER OF
CHQ WIRES



ABOUT US

Syscon Wires is the flagship brand of CHQ wires under the umbrella of Systematic Wires Pvt Ltd.

Experience comes first for us. We believe in gratification of our customers. This notion has helped us provide one of the best quality CHQ Wires and Alloy Steel Wires. Since 2005 the manufacturing unit has been serving the best quality wires with the help of efficient technology and a team of highly qualified engineers and professionals.

35 years of combined experience in wire technology has helped us evolve and deliver wires that are immensely diverse suiting every type of user. We have been geographically and ethically assisting top fasteners and bearing brands of India. Syscon is guided by the mission to provide comprehensive services. Having won the goodwill of our customers, both nationally and internationally, we strive towards expanding to new horizons and setting unmatched benchmarks.

CUSTOMER SEGMENTS



Automotive
Fasteners



Infrastructure



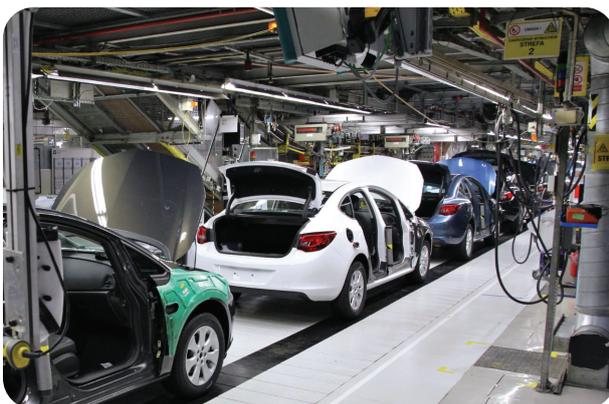
Automotive
Parts



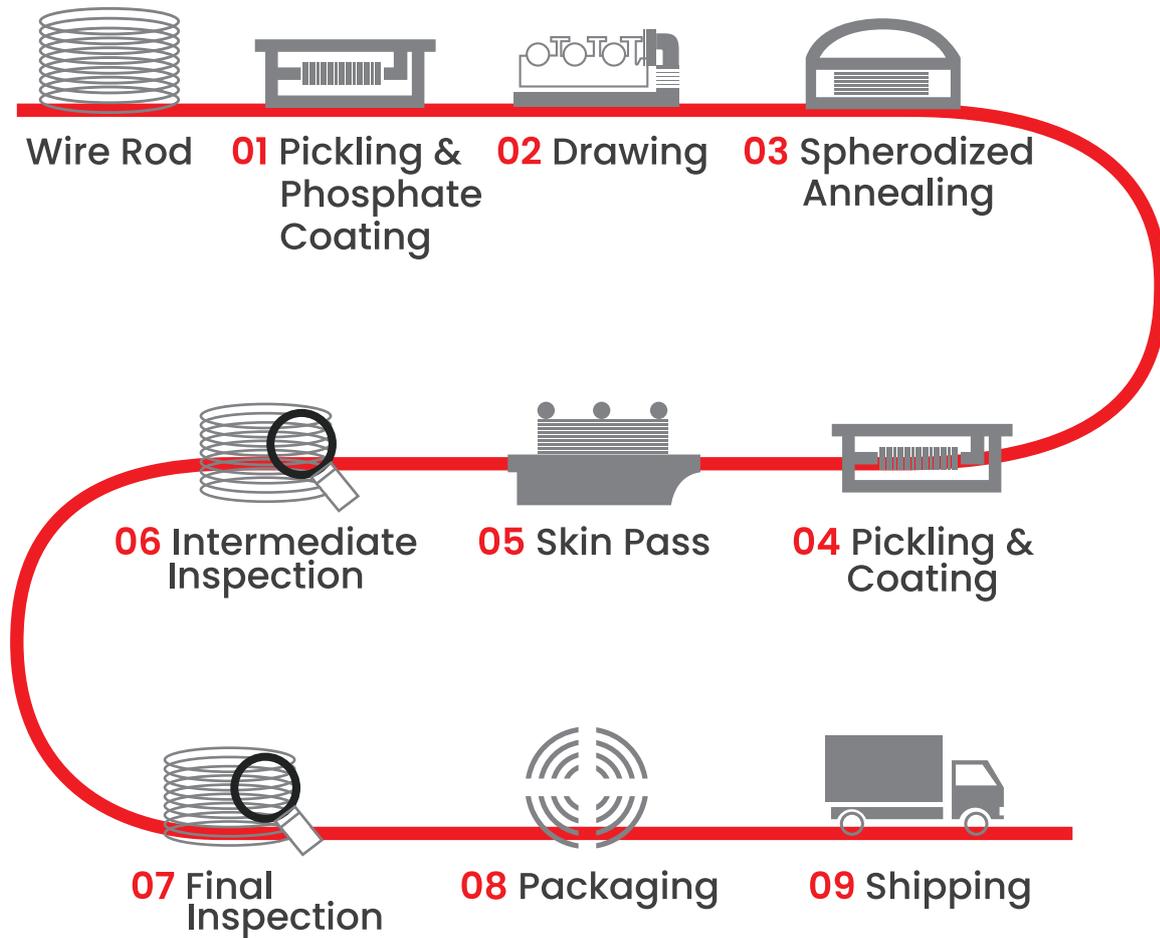
Files



Automotive
Bearings



PROCESS OVERVIEW



Hard Drawn (HD)	Pickling - Phosphate Coating - Drawing
SAFS	Spherodised Annealing - Pickling- Phosphate Coating - Drawing
SAIP	Spherodised Annealing - Pickling - Phosphate Coating - Skin Pass Drawing
PASAFS	Spherodised Annealing - Pickling Phosphate Coating - Drawing- Spherodised Annealing- Pickling - Phosphate Coating - Drawing
PASAIP	Spherodised Annealing - Pickling Phosphate Coating - Drawing- Spherodised Annealing - Pickling - Phosphate Coating - Skin Pass Drawing

OUR PRODUCTS

CHQ Alloy Steel Wire

Size Range: 3.00 mm to 30.00 mm

MANUFACTURING PROCESSES

- Pickling and Phosphate Coating
- HRPPD
- Stress Relieving
- Spheroidised Annealing



APPLICATIONS

- Fasteners, Screws, Nuts, Bolts, Wrench, Pins, Studs, Rivets
- Ball and Roller Bearings
- Spring washers



OUR INFRA

PICKLING & PHOSPHATING

We have a pickling and phosphating unit for cleaning of scales from the surface of wire rods and giving a rust free wire surface with uniform phosphate, rust preventive oil coating to our customers requirements. We ensure rust free wire surface, delivering good quality wires steadily.

SPHEROIDISE BELL ANNEALING

We are proud to have installed worlds best technology in **Spheroidised Annealing - EBNER® furnaces from Austria.**

SWPL introduces Spheroidising Electric Bell-type Annealing Furnaces with H² atmosphere ensures Zero decarb in our annealed wires while achieving spheroidization rates of up to 95% in our processed wires.



OUR USP

Uniform tensile
across the coil to
avoid uneven
deformation.



Zero
Decarburization



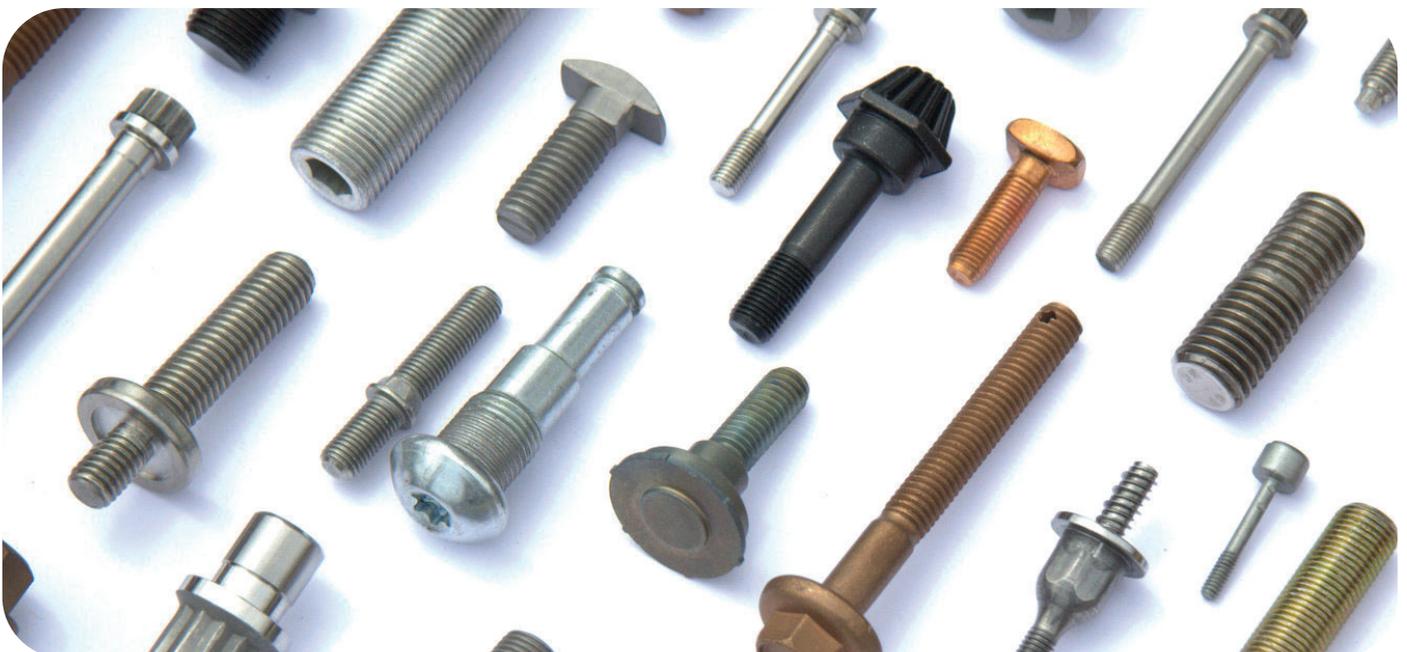
95% spheroidisation,
uniform grain
structure, improve
machinability



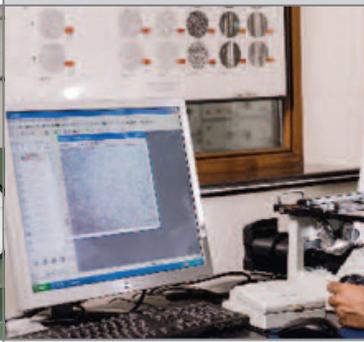
Advanced
manufacturing
facilities included
EBNER, Testing
facilities.



Excellent quality
material, time bound
dispatch,
fine packaging

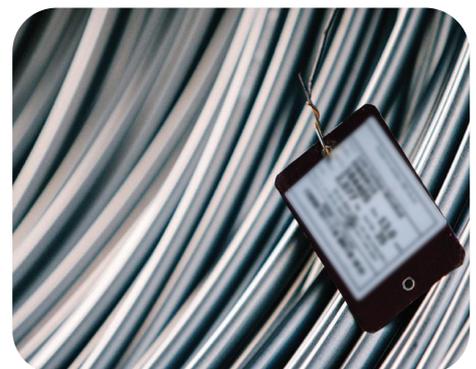
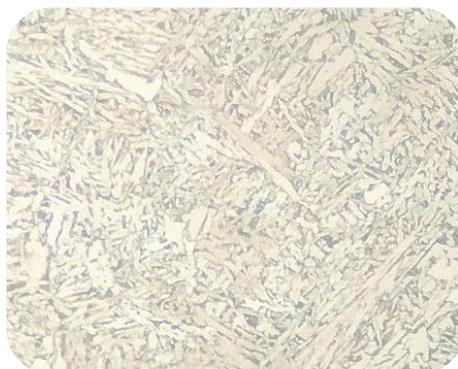


OUR TESTING FACILITY

<p>Universal Tensile Testing Machine</p>	<ul style="list-style-type: none"> • Tensile Strength • Elongation • Yield Strength • Area Reduction Ratio • Upsetting Test 	<p>Rockwell Hardness Test Machine</p>	<ul style="list-style-type: none"> • Hardness
			
<p>Microscope</p>	<ul style="list-style-type: none"> • Decarburization ration • Microstructure • Spheroidized Grade • Grain Size • Material Defect 	<p>Spectrometer</p>	<ul style="list-style-type: none"> • Chemical composition analysis

OUR PACKING

Coil Id	Coil Weight	Packing method
550mm	200kg max	HDPE Packing / Hessian Cloth Wrapping
800mm	450-500kg	HDPE Packing/ Hessian Cloth Wrapping
1000mm	800-1000kg	HDPE Packing/ Hessian Cloth Wrapping
1200mm	1000-1200kg	HDPE Packing/ Hessian Cloth Wrapping



GRADES WE MANUFACTURE

SAEJ404 Alloy Steel Wires

SAE NO	CHEMICAL COMPOSITION							
	C	Mn	P	S	Si	Ni	Cr	Mo
4140	0.38 - 0.43	0.75 - 1.00	0.030 Max	0.040 Max	0.15 - 0.35	-	0.80 - 1.10	0.15 - 0.25
4145	0.43 - 0.48	0.75 - 1.00	0.030 Max	0.040 Max	0.15 - 0.35	-	0.80 - 1.10	0.15 - 0.25
4340	0.38 - 0.43	0.60 - 0.80	0.030 Max	0.040 Max	0.15 - 0.35	1.65 - 2.00	0.70 - 0.90	2.00 - 3.00
8620	0.18 - 0.23	0.70 - 0.90	0.030 Max	0.040 Max	0.15 - 0.35	0.40 - 0.70	0.40 - 0.60	0.15 - 0.25

Cr Mo Alloy Steel Wires

SAE NO	CHEMICAL COMPOSITION							
	C	Si	Mn	P	S	Ni	Cr	Mo
SCM415	0.13 - 0.18	0.15 - 0.35	0.60 - 0.90	0.030 Max	0.030 Max	0.25 Max	0.90 - 1.20	0.15 - 0.25
SCM420	0.18 - 0.23	0.15 - 0.35	0.60 - 0.90	0.030 Max	0.030 Max	0.25 Max	0.90 - 1.20	0.15 - 0.25
SCM435	0.33 - 0.38	0.15 - 0.35	0.60 - 0.90	0.030 Max	0.030 Max	0.25 Max	0.90 - 1.20	0.15 - 0.30
SCM440	0.38 - 0.43	0.15 - 0.35	0.60 - 0.90	0.030 Max	0.030 Max	0.25 Max	0.90 - 1.20	0.15 - 0.30

Boron Steel Wires

SAE NO	CHEMICAL COMPOSITION				
	C	Si	Mn	P	Bo
10B21	0.13 - 0.18	0.15 - 0.35	0.60 - 0.90	0.030 Max	0.030 Max
10B22	0.18 - 0.23	0.15 - 0.35	0.60 - 0.90	0.030 Max	0.030 Max
10B33	0.33 - 0.38	0.15 - 0.35	0.60 - 0.90	0.030 Max	0.030 Max

SAEJ404 Alloy Steel Wires

SAE NO	CHEMICAL COMPOSITION			
	C	Mn	P	S
1008	0.10 Max	0.30 - 0.50	0.030 Max	0.050 Max
1010	0.08 - 0.13	0.30 - 0.60	0.030 Max	0.050 Max
1015	0.13 - 0.18	0.60- 0.80	0.030 Max	0.050 Max
1018	0.15 - 0.20	0.60 - 0.90	0.030 Max	0.050 Max
1022	0.18 - 0.23	0.70 - 1.00	0.030 Max	0.050 Max
1035	0.32 - 0.38	0.60 - 0.90	0.030 Max	0.050 Max
1040	0.37 - 0.44	0.60 - 0.90	0.030 Max	0.050 Max
1045	0.43 - 0.50	0.60 - 0.90	0.030 Max	0.050 Max
1541	0.36 - 0.44	1.35 - 1.65	0.030 Max	0.050 Max

Contact us

Factory Add: Gat No. 202-204,206-210, Village Dheku, Khalapur Road, Khopoli, Dist Raigad 410203

Office Address: D - 207, Marathon Monte Plaza, Asha Nagar, Opp. P&T Colony,
 Mulund West, Mumbai - 400 080 India.

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