



شركة حديد
الصناعية
التقنية العليا
HITECH
STEEL INDUSTRIES



CHAIN LINK FENCE

TECHNICAL DATASHEET

HCIS CLASS-1

IN ACCORDANCE TO HCIS /SAIS CLASS-1



Specification Sheet for Chain Link Fence System HCIS Category - 1

Wire Specification		
Fence Member	Dimension	Description
Chain Link Fabric		Fabric shall be Vinyl Coated chain link with 50mm diamond mesh, with top selvaged twisted and bottom selvedge knuckled shall be woven continuously without splices.
	Wire Diameter	9 Gauge
	Vinyl Coating	PVC Fusion Bonded fabric as per ASTM F668, Class-2b.
	Zinc Coating	Uniformly Galvanized in accordance with ASTM A641, Class-1
	Coating	Coated with 0.20mm (8mill) of PVC applied by Fusion Bonded method.
	Colour	Dark Green RAL 6005
	Mesh Size	50mm x 50mm Diamond Mesh
	Height	2700mm (+/-12mm)
	Breaking Strength	The minimum breaking strength for the Fence Fabric shall be 9650 N (2170 lbs)
	Top Selvedge	Twisted
	Bottom Selvedge	Knuckled
Tension Wire	Wire Diameter	7 gage (4.50mm)
	Vinyl Coating	PVC Fusion Bonded fabric as per ASTM F668, Class-2b.
	Zinc Coating	Uniformly Galvanized in accordance with ASTM A641, Class-1
	Coating	Coated with 0.20mm (8mill) of PVC applied by Fusion Bonded method.
	Colour	Dark Green RAL 6005
	2.0 Rows	No of Rows
Tie Wire	Wire Diameter	9 gage (3.76mm)
	Vinyl Coating	PVC Fusion Bonded fabric as per ASTM F668, Class-2b.
	Zinc Coating	Uniformly Galvanized in accordance with ASTM A641, Class-1
	Coating	Coated with 0.20mm (8mill) of PVC applied by Fusion Bonded method.
	Colour	Dark Green RAL 6005
Barb Wire 6 Rows	No, of Strand	2 Strands
	Strand Wire Diameter	12.5 gage (2.50mm)
	Galvanized	As per ASTM A121
	Barb Wire	14 Gage (2.00mm)
	Point Type	4 Pointed.

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	Spacing	125mm
	No. of Rows	6 Rows
Razor Wire Concertina 3 Rows	Diameter	SS loops
	No of Loops	600mm (+/-50mm) before stretch
	Cluster Per Loop	24 Nos (+/-1)
	Barb Length	Minimum 30mm
	Razor Tape Material	SS430
	Wire Diameter	2.50mm
	Tensile Strength	Min. 965 kN/m ²
	Wrap around Core Wire	Min. 230 Degree
<p>Wire Dimensions and Tolerances in accordance with ASTM A641 All Wires Except barb Wire are Galvanised in accordance with ASTM A641 Class 1 Barb Wire are Galvanised in accordance with ASTM A641 Class 3 Chain Link Wire and Line Wire are Fusion Bonded in accordance with ASTM F 668 Class 2 b in Green RAL 6005.</p>		

Metal Specification		
Fence Member	Dimension	Description
Straining Post	114.30mm	Outer Diameter of Pipe
	8.56mm SCH 80	Thickness of Pipe (Tolerances as per ASTM F1083)
	3.70 Meter	2.70 Mtr Above Ground Level+ 1.0 Mtr Buried
	90 Meter	Place at every 90 Meters Interval C/C
	All posts to be internally and externally galvanized in accordance to ASTM F1043 and then Thermoplastic coated externally to a Minimum of 350 microns in Green RAL 6005.	
Corner Post	114.30mm	Outer Diameter of Pipe
	8.56mm SCH 80	Thickness of Pipe (Tolerances as per ASTM F1083)
	3.70 Meter	2.70 Mtr Above Ground Level+ 1.0 Mtr Buried
	All posts to be internally and externally galvanized in accordance to ASTM F1043 and then Thermoplastic coated externally to a Minimum of 350 microns in Green RAL 6005.	
End Post	114.30mm	Outer Diameter of Pipe
	8.56mm SCH 80	Thickness of Pipe (Tolerances as per ASTM F1083)
	3.70 Meter	2.70 Mtr Above Ground Level+ 1.0 Mtr Buried
	All posts to be internally and externally galvanized in accordance to ASTM F1043 and then Thermoplastic coated externally to a Minimum of 350 microns in Green RAL 6005.	

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Intermediate Post	88.90mm	Outer Diameter of Pipe
	7.62mm SCH 80	Thickness of Pipe (Tolerances as per ASTM F1083)
	3.60 Meter	2.70 Mtr Above Ground Level + 0.90 Mtr Buried
	3.0 Meter	Place at every 3.0 Meters Interval C/C
	All posts to be internally and externally galvanized in accordance to ASTM F1043 and then Thermoplastic coated externally to a Minimum of 350 microns in Green RAL 6005.	
Horizontal Brace	60.30mm	Outer Diameter of Pipe
	3.91mm SCH 40	Thickness of Pipe (Tolerances as per ASTM A53)
	Approx. 2.90Meter	Length (Suitable to Post C/C-3.0 Meter)
	All pipes to be internally and externally galvanized in accordance to ASTM F1043 and then Thermoplastic coated externally to a Minimum of 350 microns in Green RAL 6005.	
Top Rail	60.30mm	Outer Diameter of Pipe
	3.91mm SCH 40	Thickness of Pipe (Tolerances as per ASTM A53)
	6.0 Meter	Length
	All pipes to be internally and externally galvanized in accordance to ASTM F1043 and then Thermoplastic coated externally to a Minimum of 350 microns in Green RAL 6005.	
Brace Strut	60.30mm	Outer Diameter of Pipe
	3.91mm SCH 40	Thickness of Pipe (Tolerances as per ASTM A53)
	Approx. 3.00 Meter	Length (Suitable to Post Inclined to 45 Degree)
	3.0 Meter	Placed at every 3 Meter
	All pipes to be internally and externally galvanized in accordance to ASTM F1043 and then Thermoplastic coated externally to a Minimum of 350 microns in Green RAL 6005.	
Stretcher Bar	6mm x 19mm	Flat Bar
	2.70 Meter	Length
Truss Router Diameter	10.0mm	Router Diameter Diameter
		Suitable for Post C/C- 3.0 Meter
<p>All Post are Schedule 80 Pipe in accordance with ASTM F1083 having Tensile and Yield Strength of Min. 48,000 (330 Mpa) and Min. 30,000 psi (205 Mpa) respectively. Rail and Braces are Schedule 40 Pipes in Accordance with ASTM A53 SCH 40 Grade A having Tensile and Yield Strength of Min. 48,000 (330 Mpa) and Min. 30,000 psi (205 Mpa) respectively. All posts/ Pipes are galvanized internally and externally in accordance to ASTM F1043 and Thermoplastic coated externally to a Minimum of 350 microns in Green RAL 6005.</p>		

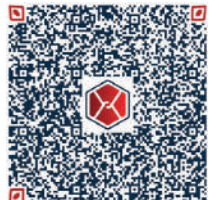
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Specification Sheet for Chain Link Fence System HCIS Category - 1

Accessories Specification

Brace Bands	114.30mm	Made from 25mm x 3mm Flats
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Tension Band	114.30mm	Made from 25mm x 3mm Flats
Short Winder		Standard
Rail End Cap	60.30mm	Used to fix Horizontal brace.
Turn Buckle		Standard
Hog Ring	2.0mm	
Eye bolt	100mm	SS316
Heavy Duty Extension Arm	-	Made from 50 x 5mm thick Equal Angle
Light Duty Extension Arm	-	Made from 2.0mm Pressed Steel
Sleeve	60.30mm	To Connect Top Rail C/ C 6 Meter
Expansion Sleeve (Spring Loaded)	60.30mm	To Connect Top Rail C/ C 30 Meter

All accessories shall comply to ASTM F 626 and Subsequently PVC Coated 10 - 15 Mills in Dark Green RAL 6005
Tension Bar / Stretcher Bars shall be Hot dip galvanized in accordance with ASTM A123 and Subsequently PVC Coated 10 - 15 Mills
in All Hardwares SS316.

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