



GALV. CHAIN LINK FENCE

TECHNICAL DATASHEET

HCIS CLASS-1

IN ACCORDANCE TO HCIS /SAIS CLASS-1



Specification for Galvanised Chain Link Fence System HCIS Category - 1

WIRE SPECIFICATION

Fence Member	Dimension	Description
Chain Link Fabric	Wire Diameter	9 Gauge
	Zinc Coating	Uniformly Galvanized in accordance with ASTM A392, Class-1
	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)
	Zinc Coating	Uniformly Galvanized in accordance with ASTM A641, Class-3
	1.0 Rows	No of Rows
Tie Wire	Wire Diameter	9 gage (3.76mm)
	Zinc Coating	Uniformly Galvanized in accordance with ASTM A641, Class-3
Barb Wire	No, of Strand	2 Strands
	Strand Wire Diameter	12.5 gage (2.50mm)
	Galvanized	As per ASTM A641, Class-3
	Barb Wire	14 Gage (2.00mm)
	Point Type	4 Pointed.
	Spacing	125mm
	No. of Rows	6 Rows
Razor Wire Concertina 3 Rows	Diameter	600mm (+/-50mm) before stretch
	No of Loops	55 loops
	Cluster Per Loop	24 Nos (+/-1)
	Barb Length	Minimum 30mm
	Razor Tape Material	430 Stainless Steel
	Wire Diameter	2.50mm
	Tensile Strength	Min. 965 kN/m ²
	Wire Material	Zinc Coated Min. 259 GSM
	Wrap around Core Wire	Min. 230 Degree

Wire Dimensions and Tolerances in accordance with ASTM A641

Chain link wire is Galvanised in accordance with ASTM A392 Class 1

All other wires including Barb Wire are Galvanised in accordance with ASTM A641 Class 3.

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)



Straining Post	3.70 Meter	2.70 Mtr Above Ground Level + 1.0 Mtr Buried
	90 Meter	Place at every 90 Meters Interval C/C
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
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
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
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)
Top Rail	60.30mm	Outer Diameter of Pipe
	3.91mm SCH 40	Thickness of Pipe (Tolerances as per ASTM A53)
	6.0 Meter	Length
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
Stretcher Bar	6mm x 19mm	Flat Bar
	2.70 Meter	Length
Truss Rod Diameter	10.0mm	Solid Rod 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.</p> <p>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.</p> <p>All posts/ Pipes are galvanized internally and externally in accordance to ASTM F1083.</p>		

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ACCESSORIES SPECIFICATION

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Brace Bands	114.30mm	Made from 25mm x 3mm Flats
Brace Bands	88.90mm	Made from 25mm x 3mm Flats
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	Galvanized
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. Tension Bar / Stretcher Bars shall be Hot dip galvanized in accordance with ASTM A123. All Hardwares Galvanized Carriage Bolt.		

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