



شركة حديد
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HITECH
STEEL INDUSTRIES



CHAIN LINK FENCE

TECHNICAL DATASHEET

HCIS CLASS-3

IN ACCORDANCE TO HCIS /SAIS CLASS-3



Specification Sheet for Chain Link Fence System HCIS Category - 3

| Wire Specification | | |
|---------------------|----------------------|--|
| Fence Member | Dimension | Description |
| Chain Link Fabric | | Fabric shall be Vinyl Coated chain link with 50mm diamond mesh, with top selvedged 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. |

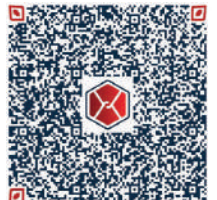
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| | | |
|--|----------------------------|--------------------------------|
| Razor Wire Concertina 2 Rows | Spacing | 125mm |
| | No. of Rows | 6 Rows |
| | Diameter | SS loops |
| | No of Loops | 600mm (+/-50mm) before stretch |
| | Cluster Per Loop | 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) |
| | 6.0 Meter | Placed at every 6 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 - 3

Accessories Specification

| | | |
|----------------------------------|----------|--------------------------------------|
| 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 | 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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