

ENGINEERING STANDARDS 2022

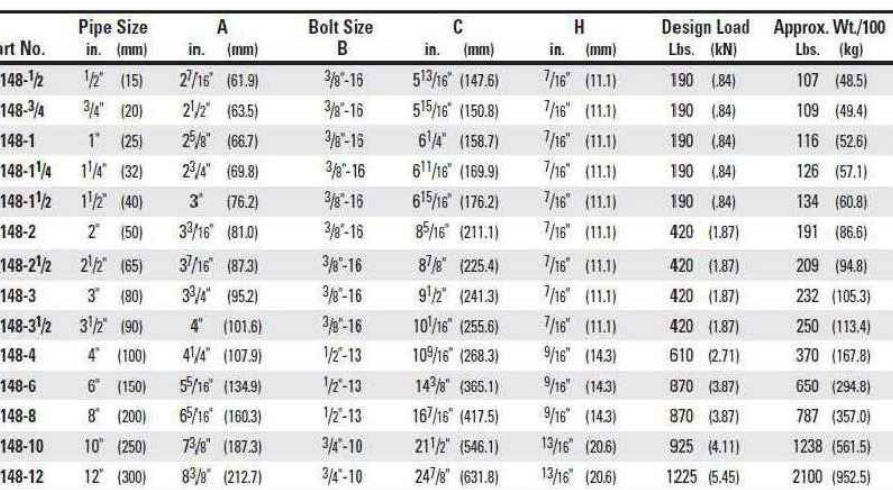
1. ALL FIXED JOINTS TO BE EITHER WELDED, ALL AROUND AND GROUND SMOOTH, OR COMMERCIALY DESIGNED FITTED JOINT SYSTEMS (SOLDERED, BRAZED, FUSED, BONGED OR SHRINK FITTED) SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER. MECHANICAL JOINTS OTHER THAN EXPANSION JOINTS ARE NOT PERMITTED UNLESS SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER. JOINTS OTHER THAN EXPANSION JOINTS SHALL BE CONNECTED TO BASE BY WELD ONLY. WELD FILLER TO BE A515 ER5053, ER5055 OR ER5018.
2. ANCHOR BOLTS SHALL BE IN ACCORDANCE WITH ASTM A36 OR A307, NUTS, WASHERS, AND BOLTS TO BE STAINLESS STEEL IN CONFORMANCE WITH ASTM A1554. IF THE NUTS HAVE BEEN TIGHTENED, THE ANCHOR BOLT THREADS SHALL BE DISTORTED OR THE NUTS AND BOLTS SPOT WELDED AND COATED WITH ZINC COMPOUND.
3. ALUMINUM HANDRAIL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 5.15 OF THE FDOT STANDARD SPECIFICATIONS. PAYMENT SHALL BE FULL COMPENSATION FOR FURNISHING AND INSTALLING HANDRAIL, INCLUDING MOUNTING HARDWARE, AND SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR PIPE HANDRAIL (ALUMINUM), M.

ALUMINUM PIPE HANDRAIL

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NOTES

PLEASE NOTE THAT AS PER CITY ORDINANCE(S) 50.02(A) (4) AND 100.35(E), STREET TREES SHALL NOT BE PLACED ON TOP OF OR 5' OF EITHER SIDE OF ANY CITY OWNED UTILITY INFRASTRUCTURE. ALSO, PLEASE NOTE THAT NO TREES SHRUBBERY OR OBSTRUCTION SHALL BE PLACED WITHIN A 3' RADIUS OF A CITY OWNED LATERAL CLEANOUT OR WATER & OR REUSE METER.

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Materials: Steel (Stainless steel available)

ard Finish: Plain or Electro-Plated

Service: Designed for suspending pipe runs where exact distance from structure to pipe cannot be determined until installation. Field modification to suit conditions.

Ordering: Specify part number and finish.

Note: Ductile and cast iron sizes are available.



NOTE:  
ALL DETAILS SHOWN FOR EXAMPLE ONLY.  
DESIGNER SHALL ASSUME RESPONSIBILITY  
FOR COMPLETE AND ADEQUATE DESIGN OF  
ALL COMPONENTS.

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