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General Performance Specification

Stainless Steel Technical Details Performance Characteristics

AISI 316 ground stainless steel products tested in the following manner:

- According to EN 1670:2007/AC:2008 Building Hardware – Corrosion resistance – Requirements and test methods.
- ISO 9227: 2012 neutral salt spray (NSS) test
- Tested by SKG (NL) accredited for this test according EN-ISO/IEC 17025 by the RvA under number L406.
- Test duration: 240 hrs.
- Test result: Classification grade: 4 (very high corrosion resistance)
- Allergy tested by Karolinska Hospital, Sweden – Fischers Nickel Test *anti allergenic material 2+3*

Hardware

Hinges

Butt hinges with phosphor bronze bearings 102 x 89 x 3 mm
Tested and approved to EN 1935:2002/AC:2003 Class 5 / 100 kg – 200000 cycles.
Certified by Warrington Fire Research Center in accordance with BS EN 1634-1:2000.
Material to be of anti-corrosive high grade stainless steel AISI 316 L WST 1.4404.
CE mark: CE 0960

Lever Handles and Accessories

Lever handles with solid inserts of either brass, aluminium or stainless steel in either 14, 16 or 19 mm dia., mounted on (1) roses 50 x 4 mm with concealed fixing using Torx^R slotted screws and hexagon head bushes M4 x 39/110 mm or (2) solid back plates prepared for hexagon head bushes. Lever handles to be attached to the roses or back plates (nut & bolt principle); surrounded by a ball bearing system consisting of a stainless steel balls placed in a shallow cup. 25 mm dia., surrounding the neck of the lever handle.

Tested and approved according to EN 1906. Class 4 (highest category of use)
All models are suitable for use on fire/smoke doors (B1 within the EN 1906 norm)
Certified by Warrington Fire Research Center in accordance with BS EN 1634-1:2000.



EN 179: 2008 EC Certification for Emergency exit devices valid for type 19FFU, 19U, 19O with 8 or 9mm spindle. Tested with anti-panic lock 14.9050.02.658/659.

Material to be of high grade corrosion resistant stainless steel AISI 316 L WST 1.4404 and bent to a radius, which equals the diameter of the tube.

Mortise Locks and Latches

Locks to be made according to DIN 18251 Class 3, but reversible. Square or rounded anti corrosive high grade stainless steel AISI 304 face - & strike plate. 60 mm backset, 24 x 235 mm face plate, lock body max 15 mm. Follower with steel bearing and spring, cast iron nickel plated latch with noise reduction buffer, nickel plated steel bolt and lacquered lock case.

Certified by Warrington Fire Research Center, in accordance with BS EN 1634-1:2000. Tested and approved according to EN 12209:2003/AC:2005.

EN 179: 2008 EC Certification for Emergency exit devices valid for type 19FFU, 19U, 19O with 8 or 9mm spindle. Tested with anti-panic lock 14.9050.02.658/659.

Euro Profile Cylinders & Rim Cylinders

Available in three different cylinder types. All cylinders are tested and certified according to:

EN 1303:2005/AC 2008-06. Max. durability: Class 6 and max. key related security: Class 6
The cylinders are suitable for burglary resistant elements according to EN 1627.

Pull Handles and Accessories

Solid inserts of either steel or aluminum in all bends. Concealed fixing with hexagon head bolts or bushes. All bends to be made to a radius equaling the diameter of the tube.
Material to be of anti-corrosive high grade stainless steel AISI 316 L WST 1.4404.

Door Closers

Heavy duty door closer system, closer size EN 2-5, all visible parts of anti-corrosive high grade stainless steel AISI 316 L WST 1.4404. Tested according to EN 1154: 1996 + A1:2002 and BS EN 1634-1:2000 Complies to BS 476: Part 22: 1987. CE mark 1121
Fully controlled closing with adj. speed 180 – 13 deg. and hydraulic latch function 13 – 0 deg. Back check function on valve.



Floor Springs

Heavy duty Floor Spring, Single / Double Action system, closer size EN 2, 3, 4. Cover plates and cover caps for pivots of anti-corrosive high grade Stainless Steel AISI 316 L WST 1.4404 Tested according to EN 1154: 1996 + A1:2002 and EN 1634-1 Complies to BS 476: Part 22: 1987.

Fully controlled closing with adj. speed 180 – 15 deg. and hydraulic latch function 15 – 0 deg. Optional Hold Open Facility.

Panic Hardware

Exit devices, one or two point locking with or without external locking attachment. All visible parts of anti-corrosive high grade stainless steel AISI 316 L WST 1.4404. Certified by Warrington Fire Research Center, Clause 8 of BS 476: Part 22: 1987. Tested and approved according to EN 1125. CE mark 1007 and CE 1008

Bathroom Fittings

All bathroom fittings to be made from anti corrosive high grade stainless steel AISI 316 L WST 1.4404. Wall mounted with concealed fixings.

Rilsan treatments in either grey or white finishes on stainless steel bases.

Washroom Panels

All Washroom panels to be made from anti corrosive high grade stainless steel AISI 316 L WST 1.4404. Fully wall recessed Washroom Panel system consisting of various module combinations. Each sanitary and washroom module to be equipped with a communal locking mechanism consisting of zinc cast hinges and built-in snap locks for easy access and / or replacement.

Washroom Panels to include high grade Stainless Steel AISI 316L WST 1.4404, 305 x 102mm mounting frame 2mm thick and frame skirting of 20 x 3mm in width in glass blasted finish.

Recessing depth and width to be 106 x 306 mm

Hand dryer unit - technical specification:

Voltage:	230V / 50 Hz
Power level:	1800 Watt
Power level on heating element:	1700 Watt
Power level on fan:	100 Watt
Sound pressure:	73 dB (A)
Sound pressure at 1,5 mtr.:	62 dB (A)
Air current (max.):	38 Ltr. / sec.



Air speed (max.): 21 mtr. / sec. (approx. 76 kph)
Air temperature (average): 55 deg. C
Relative drying time: 25 sec.

Activation: Electronically activated by sensors

Type of motor: Condenser motor

Motor equipped with automatic circuit breaker ensuring that the temperature does not get too high. Re-starts automatically.

Safety fuse on sensors activated after 2 minutes

The hand dryer has been tested to - and complies with:

- EN 60335-2-23 : 1996
- EN 60335-1 : 1994 + A11 : 1995 + A1 + A12 : 1996
- EN 61000-3-2 : 1995
- EN 61000-3-3 : 1995
- EN 55014-1 : 1993 + A1 : 1997
- EN 55014-2 : 1997
- EN 60967
- IEC 335-2-23 : 1996
- IEC 335-1 : 1991 + A1 : 1994