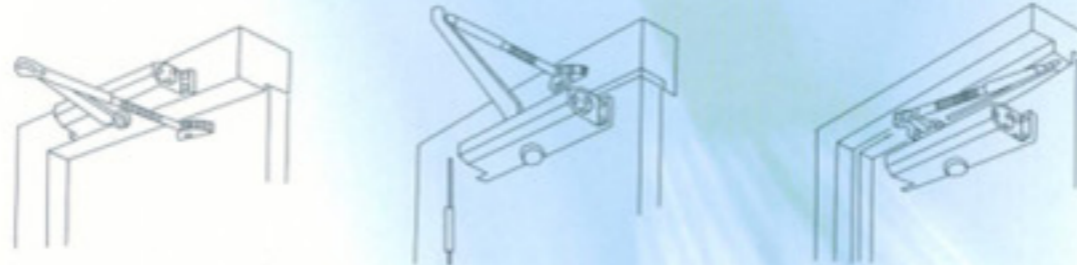
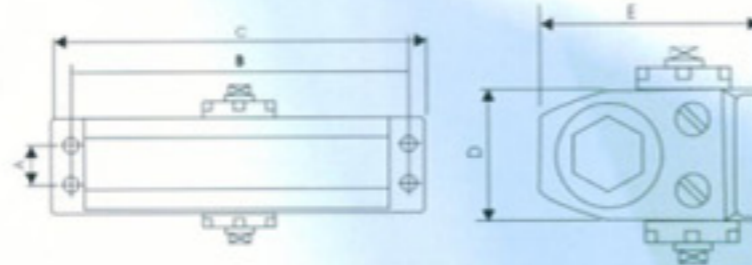


### DT-60 Series Door Closer

- ◆ 10 years Guarantee, 1 million cycles in the endurance testing
- ◆ Normal type, suitable for commercial & Residential door
- ◆ Dual valves to adjust the closing and latching speed, back-check optional
- ◆ Hold-open optional
- ◆ Hydraulic Anti-freeze oil for special temperature under  $-40^{\circ}\text{C}$  --  $-50^{\circ}\text{C}$
- ◆ Many color optional, Silver, White, Black, Bronze, Gold



Art Number	Dimension of closer (MM/inch)					FOR DOOR WEIGHT
	A	B	C	D	E	
61	20(25/32")	132(5-3/16")	148(5-13/16")	37(1-15/32")	55(2-5/32")	30KG
62	20(25/32")	132(5-3/16")	148(5-13/16")	37(1-15/32")	55(2-5/32")	25-45KG
63-2	19(3/4")	168(6-6/8")	186(7-5/16")	44.5(1-3/4")	67(2-5/8")	25-45KG
63	19(3/4")	168(6-6/8")	186(7-5/16")	44.5(1-3/4")	67(2-5/8")	45-65KG
64-3	19(3/4")	206(8-3/16")	223(8-3/4")	44.5(1-3/4")	72(2-7/8")	45-65KG
64	19(3/4")	206(8-3/16")	223(8-3/4")	44.5(1-3/4")	72(2-7/8")	65-85KG
65-4	19(3/4")	230(9-1/16")	248(9-3/4")	44.5(1-3/4")	72(2-7/8")	65-85KG
65	19(3/4")	230(9-1/16")	248(9-3/4")	44.5(1-3/4")	72(2-7/8")	85-120KG

### DT-1500R series rim type panic exit device

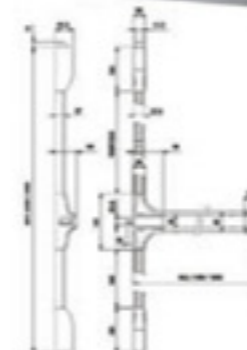
- The semi-length push rail
- Non handed door
- A lateral lock point
- Latch bolt: Stainless steel or Zinc
- Spring: Stainless steel throughout
- End Cap: Zinc or Steel
- Dogging function optional



Art No.	Description
DT-1500RA-P	Non fire-rated, UL, steel painted
DT-F1500RA-P	Fire-rated, UL, steel painted
DT-1500RA-S	Non fire-rated, UL, stainless steel
DT-F1500RA-S	Fire-rated, UL, stainless steel

### DT-1500V series vertical rod panic exit device

- The semi-length push rail
- Non handed door
- Two or three locking points
- Latch bolt: Stainless steel or Zinc
- Spring: Stainless steel throughout
- End Cap: Zinc or Steel
- Dogging function optional



Art No.	Description
DT-1500VA-P	Non fire-rated, UL, steel painted
DT-F1500VA-P	Fire-rated, UL, steel painted
DT-1500VA-S	Non fire-rated, UL, stainless steel
DT-F1500VA-S	Fire-rated, UL, stainless steel

**DT-1200R series rim type panic exit device**

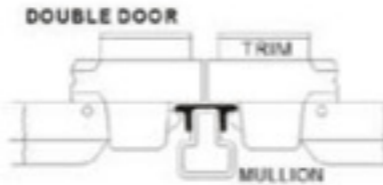
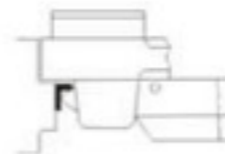
- The full-length push rail
- Non handed door
- A lateral lock point
- Latch bolt: Stainless steel or Zinc
- Spring: Stainless steel throughout
- End Cap: Zinc or Steel
- Dogging function optional



Double door- with two vertical rod type exit devices



SINGLE DOOR



Art No.	Description
DT-1200RA-P	Non fire-rated, UL, steel painted
DT-F1200RA-P	Fire-rated, UL, steel painted
DT-1200RA-S	Non fire-rated, UL, stainless steel
DT-F1200RA-S	Fire-rated, UL, stainless steel

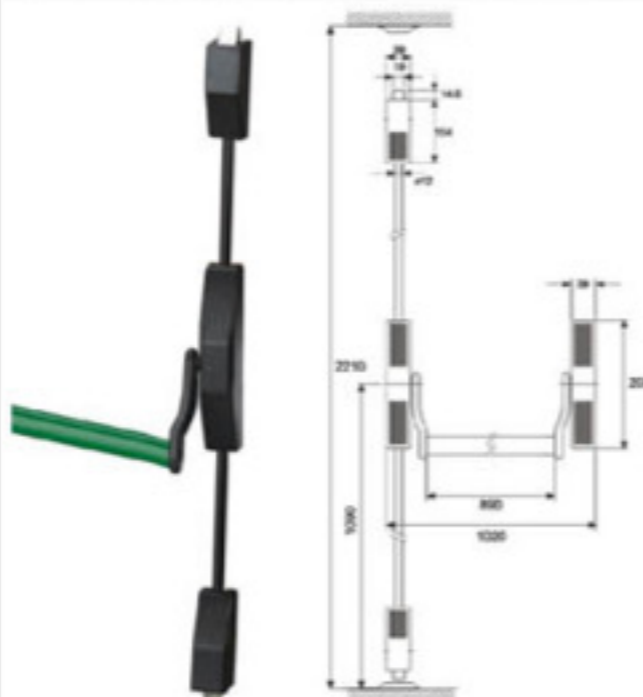
**DT-1200V series vertical rod panic exit device**

- The full-length push rail
- Non handed door
- Two or three locking points
- Latch bolt: Stainless steel or Zinc
- Spring: Stainless steel throughout
- End Cap: Zinc or Steel
- Dogging function optional



Art No.	Description
DT-1200VA-P	Non fire-rated, UL, steel painted
DT-F1200VA-P	Fire-rated, UL, steel painted
DT-1200VA-S	Non fire-rated, UL, stainless steel
DT-F1200VA-S	Fire-rated, UL, stainless steel

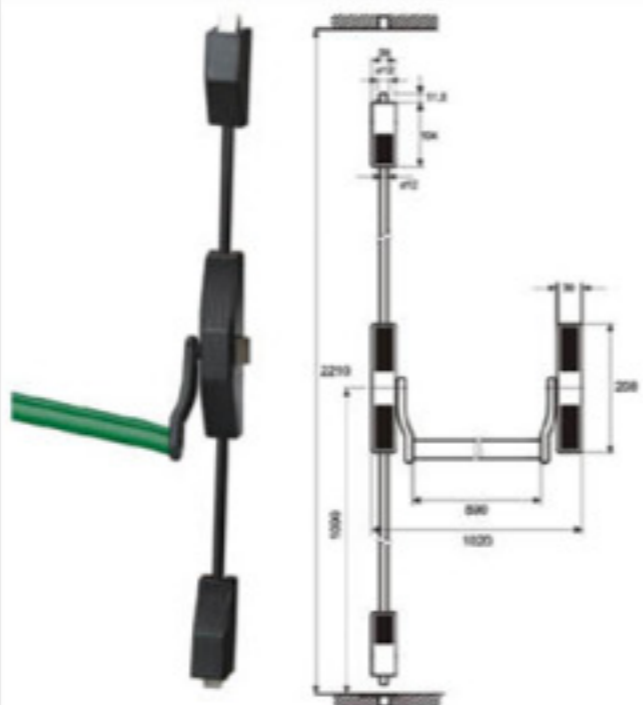


**Vertical rod Model No.DT-1700C exit door hardware- Push Bar**


Certification UNE-EN 1125

3 7 6 1 1 4 2 2 A

- Non-handed
- 2 locking points, upper one lower
- The standard height: 2210mm
- The standard oval shape horizontal bar: 900mm.
- CE marked for safety
- Certified for use on the fire doors
- Assembly instructions and installation template

**Vertical Rod Model No.DT-1700D exit door hardware- Push Bar**


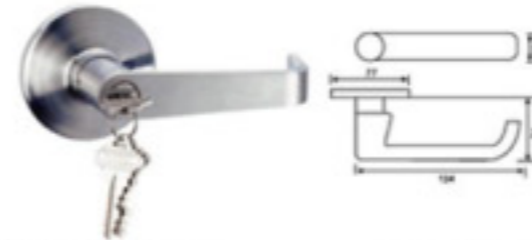
Certification UNE-EN 1125

3 7 6 1 1 4 2 2 A

- Non-handed
- 3 locking points, upper, lower and a lateral lock point
- The standard height: 2210mm
- The standard oval shape horizontal bar: 900mm.
- CE marked for safety
- Certified for use on the fire doors
- Assembly instructions and installation template



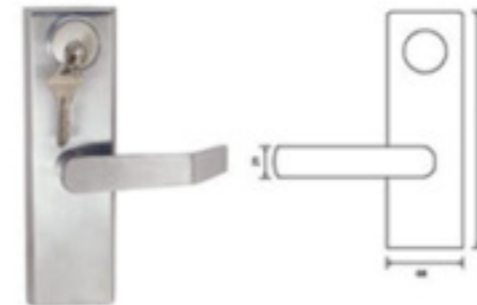
● **DT-H101**  
For DT-1500series, DT-1600series



● **DT-H102E, ENTRANCE**  
Key retracts latch bolt, unlocks lever  
● **DT-H102S, STOREROOM**  
Key operates lever, otherwise always locked  
● **DT-H102P, PASSAGE**  
Trim always operable and free  
● **DT-H102D, DUMMY**  
Dummy trim. One sided.



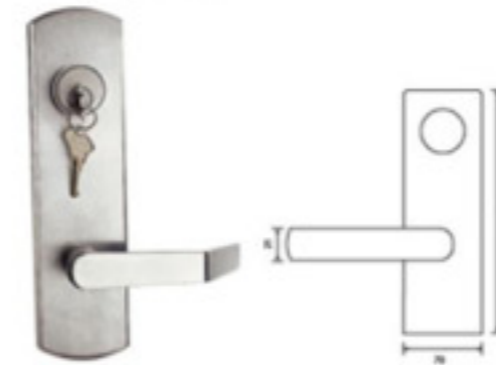
● **DT-H103S, STOREROOM**  
Key operates lever, otherwise always locked  
● **DT-H103P, PASSAGE**  
Trim always operable and free



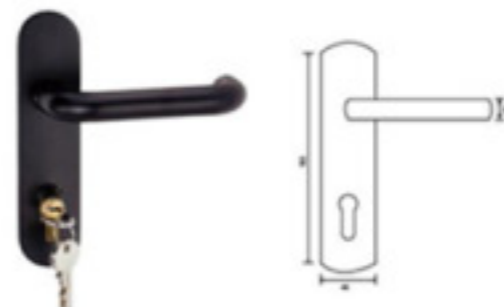
● **DT-H104E ENTRANCE**  
Key locks or unlocks lever  
● **DT-H104P PASSAGE**  
Trim always operable and free  
● **DT-H104D DUMMY**  
Dummy trim, one sided



● **DT-H105E ENTRANCE**  
Key locks or unlocks thumbpiece  
● **DT-H105P PASSAGE**  
Trim always operable and free  
● **DT-105D DUMMY**  
Dummy trim, One sided



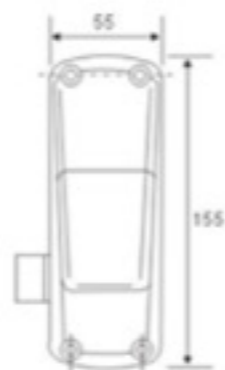
● **DT-H106E ENTRANCE**  
Key locks or unlocks lever  
● **DT-H106P PASSAGE**  
Trim always operable and free  
● **DT-H106D DUMMY**  
Dummy trim, one sided



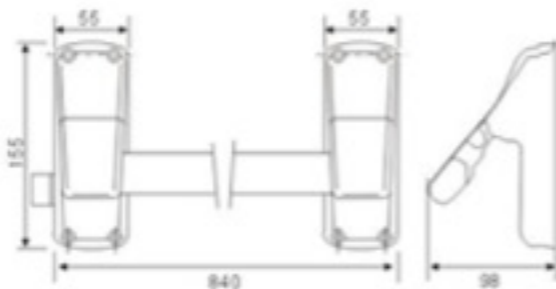
● **DT-H201**  
Europe design, for DT-1700series



● **DT-H301**  
Europe design, for DT-1700series, DT-1900series

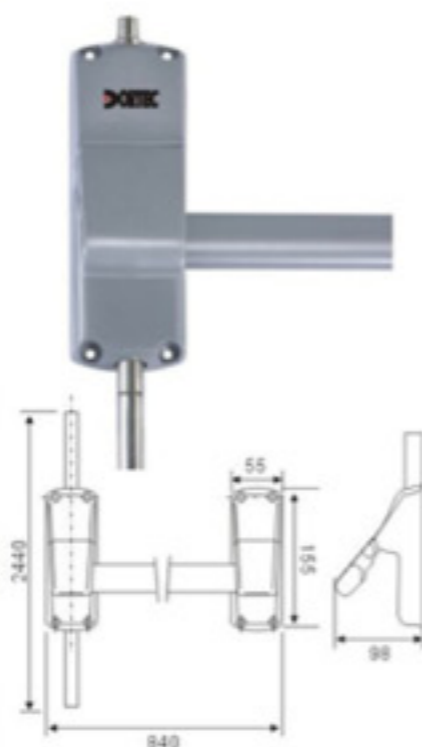
**DT-1800A Panic Latch for Single Doors**


- **Application:**  
 Suitable for outward opening doors.  
 Suitable for timber and metal doors.  
 Non-handed for maximum flexibility.
- **Operation:**  
 Can be operated from outside with outside access device.
- **Standards:**  
 Fire Resistant.
- **Finish:**  
 painting in any color  
 plated in SS, PB&PC
- **Number of locking points:**  
 1
- **Body Material:**  
 Aluminium alloy
- **Cross Arm Material:**  
 Steel.
- **Max. Door Height (mm):**  
 2440mm.
- **Max Door Width (mm):**  
 1400mm.
- **Handed:**  
 No

**DT-1800B Panic Latch for Single Doors**


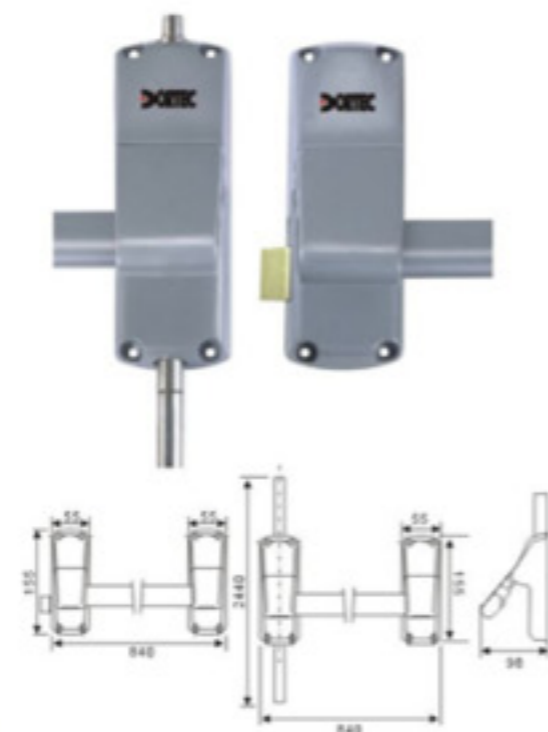
- **Application:**  
 Suitable for use on double rebated outward opening doors.  
 Suitable for timber and metal doors.  
 Non-handed for maximum flexibility.
- **Operation:**  
 Can be operated from outside with outside access device.  
 Self adjusting trip action device.
- **Standards:**  
 Fire Resistant.
- **Finish:**  
 painting in any color  
 plated in SS, PB&PC
- **Number of locking points:**  
 1.
- **Body Material:**  
 Aluminium alloy
- **Cross Arm Material:**  
 Steel.
- **Max. Door Height (mm):**  
 2440mm.
- **Max Door Width (mm):**  
 1400mm.
- **Handed:**  
 No

### DT-1800C Panic Latch for Single Doors



- **Application:**  
Suitable for outward opening doors.  
Suitable for timber and metal doors.  
Non-handed for maximum flexibility.
- **Operation:**  
Can be operated from outside with outside access device.  
Self adjusting top trip device.  
Locked by 20mm top and bottom bolt throw.
- **Standard:**  
Fire Resistant.
- **Finish:**  
painting in any color  
plated in SS, PB & PC
- **Number of locking points:**  
2.
- **Body Material:**  
Mazak alloy.
- **Cross Arm Material:**  
Steel.
- **Max. Door Height (mm):**  
2440mm.
- **Max Door Width (mm):**  
1400mm.
- **Handed:**  
No

### DT-1800D Panic Set for Double Rebated Doors



- **Application:**  
Suitable for outward opening doors.  
Suitable for timber and metal doors.  
Non-handed for maximum flexibility.
- **Operation:**  
Can be operated from outside with outside access device.
- **Standard:**  
Fire Resistant.
- **Finish:**  
painting in any color  
plated in SS, PB & PC
- **Number of locking points:**  
3.
- **Body Material:**  
aluminium alloy
- **Handed:**  
No.

Intertek Report No. GZ09070069-1

EVALUATION  
OF  
Grade 1 Exit Device  
FOR  
HEFEI DORTEC AUTODOOR TECHNOLOGY MFG. LTD.  
CHANGAN IND. AREA, TAOHUA,  
FEIXI, CHINA

**TEST STANDARD:**

All tests were conducted in accordance with the client's test plan with reference to ANSI/BHMA A156.3 -2008 American National Standard for Exit Devices.

**TEST SAMPLES:**

Sample identified as Model DT, Grade 1  
Exit Devices was received in good condition on July 1, 2009, which manufactured by HEFEI DORTEC AUTODOOR TECHNOLOGY MFG. LTD.

**TEST DATES:**

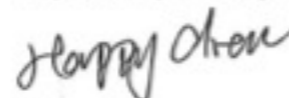
July 1, 2009 to August 7, 2009

**RESULTS:**

Product complied with standard ANSI/BHMA A156.3 -2008 grade 1 requirements.

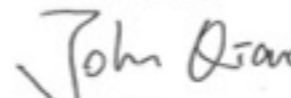
The attached data are results of the product testing and evaluation.

Report Prepared By:



Happy Chen  
Project Engineer  
Intertek

Reviewed By:



John Qiao  
Team Leader  
Intertek

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**DATA SHEETS**  
**ANSI/BHMA A 156.3: 2008**  
**AMERICAN NATIONAL STANDARD FOR**  
**EXIT DEVICES**

Test Door Size	Product Grade	Model	Outside Trim	Type
36"x84"x1 3/4"	1	DT	None	Type 1

**8 INSIDE OPERATIONAL TESTS**

**8.1 Cycle Tests** Sample# 001

Compliant

Date	Cycles to Date	Tec.	Remarks
2009-7-14	0	Jackie	
2009-7-20	162,255	Jackie	
2009-7-27	359,164	Jackie	
2009-8-3	500,000	Jackie	

Requirement: Grade 1: 500,000; Grade 2: 250,000; Grade 3: 100,000

Comment: \_\_\_\_\_

**8.2 Exit Tests**

Compliant

8.2.1 Unloaded latch actuating bar depress test (lbf).

Test Results	Max. Allowable
12.4	15.0

8.2.2 Preloaded latch actuating bar depress test(lbf).

Test Results	Max. Allowable
31.9	50.0

Comment: \_\_\_\_\_

**8.3 Outside Pull Tests**

Compliant

Requirement: Grade 1&2:400 lbf min.(1780N); Grade 3: 300lbf min.(1335N)

Exerted Pull Force: 400 lbf

8.2.1 Unloaded latch actuating bar depress test(lbf).

Test Results	Max. Allowable
11.8	15.0

Comment: \_\_\_\_\_

**8.4 Inside Pull Test (Grade 1 & 2)**

Compliant

Requirement: Grade 1&2:400 lbf min.(1780N)

Exerted Pull Force: 400 lbf

8.2.1 Unloaded latch actuating bar depress test(lbf).

Test Results	Max. Allowable
13.8	15.0

Comment: \_\_\_\_\_

**8.5 Push Test(Grade 1&2)**

Compliant

Requirement: Grade 1&2:400 lbf min.(1780N)

Exerted Force: 400 lbf

8.2.1 Unloaded latch actuating bar depress test(lbf).

Test Results	Max. Allowable
12.5	15.0

Comment: Not cross bar type

**8.6 Dead Latching Effectiveness Test (where applicable)** Compliant

Requirement: All Grades: 5 cycles

Cycle amount: 5 cycles

Comment: No failure

**8.7 Force to Latch Door Test** Compliant

Requirement: All Grades: 4.5 lbf (20N) Max.

Test Results	Max. Allowable
3.8	4.5

Comment: \_\_\_\_\_

**8.8 Surface Vertical Rod or Rod Cover Abuse Test** Not Applicable

Requirement: All Grades 110 lbf (500N)

**8.2.1 Unloaded latch actuating bar depress test.**

Test Results	Max. Allowable
	15.0

Comment: No Vertical Rod

**9 OUTSIDE OPERATIONAL TESTS** Not Applicable

**9.1 Torque Or Force to Release Latch Test**

Sample# _____	Requirement: All Grades
Key Only: _____	Key Only: 15 lbf-in.(1.7Nm)
Levers: _____	Levers: 45 lbf-in.(5.0Nm)
Turns: _____	Turns: 22.5 lbf-in.(2.5Nm)
Knobs: _____	Knobs: 15 lbf-in.(1.7Nm)
Thumbpieces: _____	Thumbpieces: 15 lbf(67N)

Comment: No outside trim

**9.2 Cylinder Operation Test**

Requirement: Max. Grade 1&2: 15 lbf-in.(1.7 Nm)

Test Results	Max. Allowable

Comment: No cylinder

**9.3 Trim Cycle Test**

Date	Counter	Tec.	Remarks

Requirement: Minimum Cycles: Cylinder Only: Grade 1: 40,000; Grade 2: 20,000  
All other Trim: Grade 1: 500,000; Grade 2: 250,000; Grade 3: 100,000

**9.1 Torque Or Force to Release Latch Test**

Key Only: _____	Requirement: All Grades
Levers: _____	Key Only: 18 lbf-in.(2Nm)
Turns: _____	Levers: 50 lbf-in.(6Nm)
Knobs: _____	Turns: 27 lbf-in.(3Nm)
Thumbpieces: _____	Knobs: 18 lbf-in.(2Nm)
	Thumbpieces: 18 lbf(80N)

Comment: No outside trim

**9.4 Preload Door Test**

Sample# _____	Requirement: All Grades:
Levers: _____	Levers: 70 lbf-in.(8Nm)
Knobs: _____	Knobs: 50 lbf-in.(5Nm)
Thumbpieces: _____	Thumbpieces: 50 lbf(180N)
Comment: <u>No outside trim</u>	

**10 STRENGTH TESTS**

Not Applicable

**10.1 Unlocked Outside Knob, Turn or Lever Torque Test**

Sample# _____	
Outside Knobs or Turn: _____	
Requirement: Grade 1:250lbf-in(28Nm); Grade 2:150lbf-in(17Nm); Grade 3:120lbf-in(14Nm)	
Unlocked Outside Lever Test: _____	
Requirement: Grade 1:450lbf-in(50Nm); Grade 2:225lbf-in(25Nm); Grade 3:180lbf-in(20Nm)	
Torque to release at Completion of Test	
Levers: _____	Requirement: (Grade 1&2)
Turns: _____	Levers: 50 lbf-in.(5.7Nm)
Knobs: _____	Turns: 27 lbf-in.(3Nm)
	Knobs: 18 lbf-in.(2Nm)
Comment: <u>No outside trim</u>	

**10.2 Locked Outside Knob, Turn or Lever Torque Test**

Sample# _____	
Outside Knobs or Turn: _____	
Requirement: Grade 1&2:300lbf-in(34Nm); Grade 3:150lbf-in(17Nm)	
Unlocked Outside Lever Test: _____	
Requirement: Grade 1&2:450lbf-in(50Nm); Grade 3:230lbf-in(26Nm)	
Torque to release at Completion of Test	
Levers: _____	Requirement: All Grades
Turns: _____	Levers: 50 lbf-in.(5.7Nm)
Knobs: _____	Turns: 27 lbf-in.(3Nm)
	Knobs: 18 lbf-in.(2Nm)
Comment: <u>No outside trim</u>	

**10.3 Outside Lever Pull Test**

Requirement: Grade 1&2: 225 lbf min.(1000N); Grade 3: 115 lbf min.(512N)	
Levers: _____	Requirement: All Grades
	Levers: 50 lbf-in.(5.7Nm)
Comment: <u>No outside trim</u>	

**10.4 Locked Outside Thumbpiece Test**

Requirement: Grade 1&2: 250 lbf min.(1150N); Grade 3: 150 lbf min.(667N)	
Thumbpieces: _____	Requirement: All Grades
	Thumbpieces 18 lbf(80N)
Comment: <u>No outside trim</u>	

**10.5 Axial Load Test**

Requirement: Grade 1&2: 400 lbf min.(1780N); Grade 3: 300 lbf min.(1335N)  
Torque to release at Completion of Test

Levers: \_\_\_\_\_  
Turns: \_\_\_\_\_  
Knobs: \_\_\_\_\_  
Thumbpieces: \_\_\_\_\_

Requirement: All Grades  
Levers: 50 lbf-in.(5.7Nm)  
Turns: 27 lbf-in.(3Nm)  
Knobs: 18 lbf-in.(2Nm)  
Thumbpieces 18 lbf(80N)

Comment: No outside trim

**10.6 Vertical Load Test**

Requirement: Grade 1&2: 360 lbf min.(1600N); Grade 3: 250 lbf min.(1110N)  
Torque to release at Completion of Test

Levers: \_\_\_\_\_  
Turns: \_\_\_\_\_  
Knobs: \_\_\_\_\_

Requirement: All Grades  
Levers: 50 lbf-in.(5.7Nm)  
Turns: 27 lbf-in.(3Nm)  
Knobs: 18 lbf-in.(2Nm)

Comment: No outside trim

**11 MATERIAL EVALUATION TESTS**

Not Applicable

**11.1 Outside Knob or Lever Crush Test**

Compression Load: 1000 lbf Sample No.: \_\_\_\_\_

Deformation	Initial Diam.	Final Diam.	%	Max. Allowable (%)
Outside Knob				

Requirement: Grade 1: 10%; Grade 2: 25%; Grade 3: 30%;

Comment: No outside trim

**11.2 Outside Rose and Escutcheon Dent Test**

Drop an 8 ounce projectile from a height of 12" in a drop tube Sample No.: \_\_\_\_\_

Type	Measured Depth (in)	Maximum Depth Allowable (in)

Requirement: Grade 1: 0.075"(2mm); Grade 2: 0.100"(2.5mm); Grade 3: 0.150"(3.8mm)

Comment: No outside trim

**11.3 Outside Rose and Escutcheon Deformation Test**

Sample No.: \_\_\_\_\_

Compression Load: Grade 1: 650 lbf(2900N); Grade 2: 560 lbf(2500N); Grade 3: 450 lbf(2000N)

Load(lbf)	Initial Rose Width (in)	Final Rose Width (in)	Min. Allowable (in)

Requirement: All Grades: 10%

Comment: No outside trim

Product photo



Drawing

