



FM578071

Quality-assured manufacture
To ISO 9001
Certified and supervised
By BSI

DORINT
DOOR INTERNATIONAL
By **CENZA®**

EN STANDARD DOOR CLOSERS

ECONOMICAL CLOSERS

SLIDING ARM SURFACE CLOSERS

CONCEALED CLOSERS

ELECTROMAGNETIC DOOR CONTROL

EXIT PANIC DEVICE

FLOOR HINGES

TRANSOM CLOSERS

GLASS FITTINGS

SHOWER HINGES

EQUIPMENT

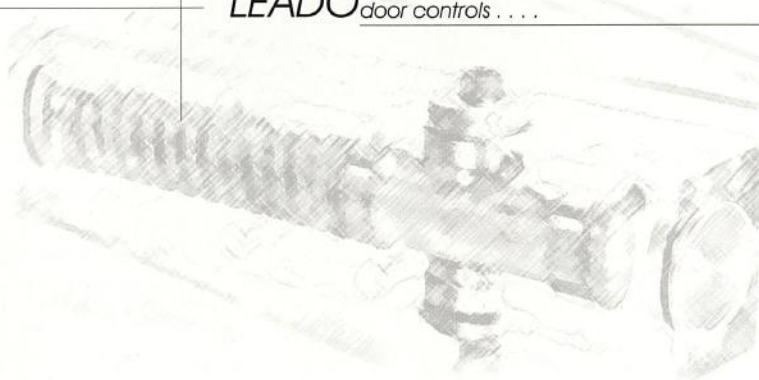
Catalogue



NUMBER: 1121



about
LEADO door controls . . .







*Tens of millions of world-renowned
Taiwan-made Dorint door control devices
have been quietly opening doors all over the world.*

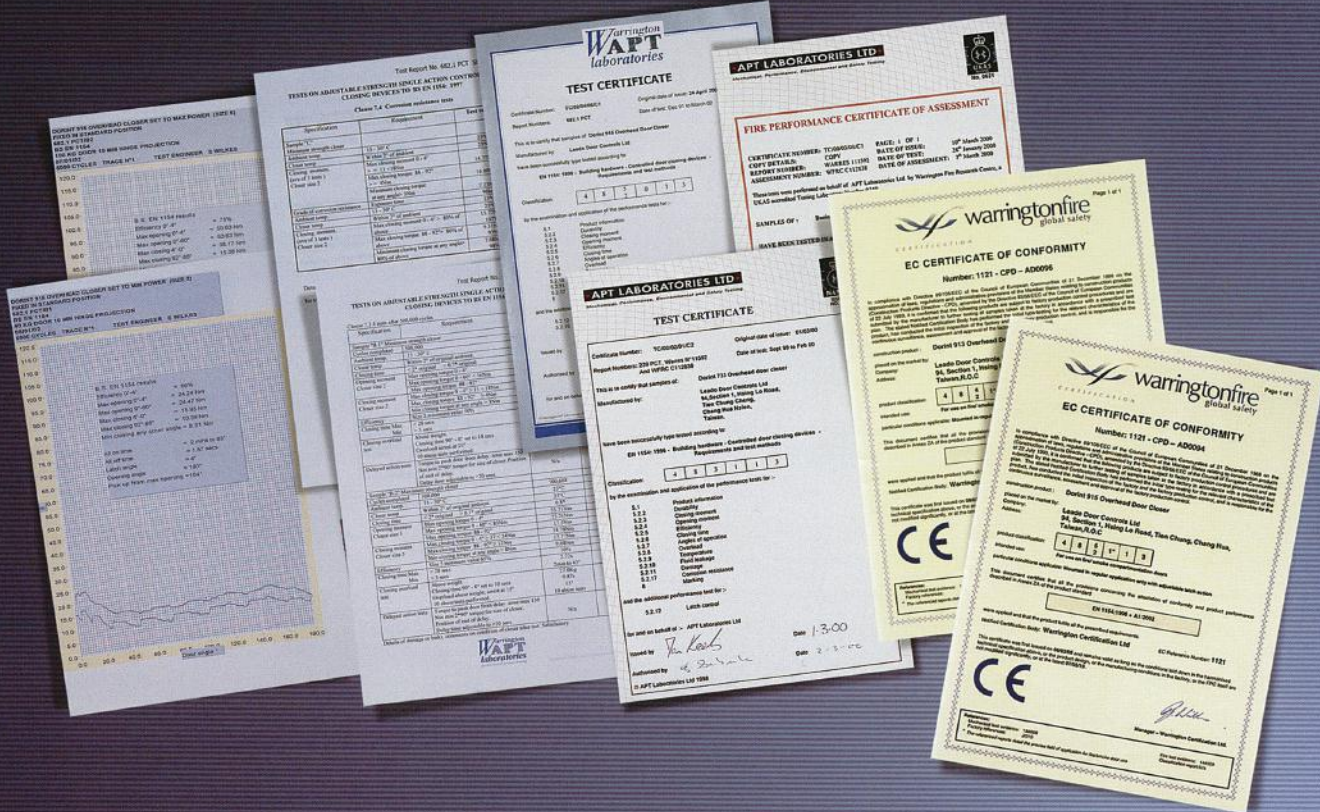
*In the year 2000, Dorint door closers passed
European CE certification standards for fire and safety,
as well as met the British BSI standards
and the ISO 9001 international standards for quality
management systems.*

*Dorint's manufacturing process employs high-precision
CNC computer-controlled robotics,
combining automation and technical know-how
under a strict system of management.*

*Through constant reserach and development efforts,
you are assured that Dorint door devices
are getting more and more refined.*



TEST REPORTS



EN Fire Tested
EN 1154 Tested
By U.K., Germany, Singapore...



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EN STANDARD DOOR CLOSERS ECONOMICAL CLOSERS SLIDING ARM SURFACE CLOSERS CONCEALED CLOSERS
 ELECTROMAGNETIC DOOR CONTROL EXIT PANIC DEVICE ACCESSORIES & CLOSER DESCRIPTION



EN Fire Tested
 EN 1154 Tested
 By U.K., Germany, Singapore...

EN STANDARD DOOR CLOSERS



with cover

915 EN CLOSER



Tested to EN 1154 **48 5 1 1 3**
by Warrington APT Laboratories, UK
Power Adjustable by Spring
EN Fire Tested

DORINT 915 OVERHEAD DOOR CLOSER
NUMBER: 1121-CPR-AD0094

48 5 1 1 3

4 ▶ Category of Use

All DORINT 915 closers are identified as grade 4 in this section which means the closer will close the door from approximately 180°. Grade 3 closers will close the door from 105°.

8 ▶ Test Cycles

Included in 500,000 cycle tests 8 is the only grade that can be obtained.

5 2 ▶ Door Size

Each number in this category identifies the closer size and its suitability for use on these doors.

Adjustable strength closers are defined by showing both the minimum and maximum strength.

Closer size	Door width	Door weight
1	750mm	20kg
2	850mm	40kg
3	950mm	60kg
4	1100mm	80kg
5	1250mm	100kg
6	1450mm	120kg

1 ▶ Fire Behaviour

Based on the results of the fire tests to BS EN1634-1:2008, 1 is the grade given to closers that are suitable for use on fire or smoke doors.

1 ▶ Safety In Use

A compulsory part of the standard which ensures the operation of the closer presents no hazard to the persons using the door. Only grade 1 if identified.

3 ▶ Corrosion Resistance

Five grades are identified within this category from 0 which has no identified resistance to 4 which is very high resistance. Grades are obtained after closers have been included in salt spray tests and had their performances re-confirmed after the test.



DATA AND FEATURES
915

Variable closing force	Spring strength (EN)	2 to 5
Standard doors	≤850mm ≤40kg	915
	≤950mm ≤60kg	915
	≤1100mm ≤80kg	915
	≤1250mm ≤100kg	915
Body dimensions(mm)	Length	236
	Height	55
	Projection	39
Arm	Standard	✓
	Parallel	○
	Track (standard)	○
	Track (hold-open)	○
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		180°
Power adjustable by spring		✓
Power adjustable by position		x
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Built in	x
	Hold open arm	○
Back-check	Self-regulating	x
	Adjustable at valve	○
Delayed action adjustable		○
Non-handed		✓
With cover		○
Application	Regular (1)	✓
	Parallel arm (66)	○
	Transom (61)	✓
Guarantee/years		20 years

✓ =yes x=no ○ =option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

DELAYED ACTION:

Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

STANDARD FINISHES:

Silver, dark brown or gold, other finishes upon request.

1234567890
1234567890

EN STANDARD DOOR CLOSERS



with cover

913 EN CLOSER



Tested to EN 1154 **482113**
by Warrington APT Laboratories, UK
Power Adjustable #2 to #4 by Position
EN Fire Tested



DORINT 913 OVERHEAD DOOR CLOSER
NUMBER: 1121-CPR-AD0096



DATA AND FEATURES
913

Variable closing force	Spring strength (EN)	2 to 4
Standard doors	≤ 850mm ≤ 40kg	913
	≤ 950mm ≤ 60kg	913
	≤ 1100mm ≤ 80kg	913
	≤ 1250mm ≤ 100kg	x
Body dimensions(mm)	Length	204
	Height	55
	Projection	39
Arm	Standard	✓
	Parallel	○
	Track (standard)	○
	Track (hold-open)	○
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		180°
Power adjustable by spring		x
Power adjustable by position		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Built in	x
	Hold open arm	○
Back-check	Self-regulating	x
	Adjustable at valve	○
Delayed action adjustable		○
Non-handed		✓
With cover		○
Application	Regular (1)	✓
	Parallel arm (66)	○
	Transom (61)	✓
Guarantee/years		10 years

✓ =yes x=no ○ =option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

DELAYED ACTION:

Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

STANDARD FINISHES:

Silver, dark brown or gold, other finishes upon request.

1234567890
1234567890

EN STANDARD DOOR CLOSERS



with cover

730 EN CLOSER



Tested to EN 1154 **483113**
by Warrington APT Laboratories, UK
Power Adjustable by Position
EN Fire Tested

DORINT 733 OVERHEAD DOOR CLOSER
NUMBER: 1121-CPR-AD0093



DATA AND FEATURES

		733	735
Variable closing force	Spring strength (EN)	2 to 4	4 to 6
Standard doors	≤ 850mm ≤ 40kg	733	x
	≤ 950mm ≤ 60kg	733	x
	≤ 1100mm ≤ 80kg	733	735
	≤ 1250mm ≤ 100kg	x	735
	≤ 1450mm ≤ 120kg	x	735
Body dimensions(mm)	Length	207	246
	Height	60	62
	Projection	39	45
Arm	Standard	✓	✓
	Parallel	○	○
	Track (standard)	○	○
	Track (hold-open)	○	○
Rack and pinion		✓	✓
Power shoe arm bracket		✓	✓
Angle of opening		180°	180°
Power adjustable by spring		x	x
Power adjustable by position		✓	✓
Sweep speed adjustable		✓	✓
Latching speed adjustable		✓	✓
Hold-open	Built in	x	x
	Hold open arm	○	○
Back-check	Self-regulating	○	○
	Adjustable at valve	○	○
Delayed action adjustable		○	○
Non-handed		✓	✓
With cover		○	○
Application	Regular (1)	✓	✓
	Parallel arm (66)	○	○
	Transom (61)	✓	✓
Guarantee/years		10 years	10 years

✓ = yes x = no ○ = option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

DELAYED ACTION:

Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

STANDARD FINISHES:

Silver, dark brown or gold, other finishes upon request.



ECONOMICAL DOOR CLOSERS



680



681 & 680



681

680 DOOR CLOSER



Tested to EN 1154 **403113** **402113**
by Warrington APT Laboratories, UK
Power Adjustable #2 to #4 by Position / by Springs
EN Fire Tested

DORINT 680 OVERHEAD DOOR CLOSER
NUMBER: 1121-CPR-AD0143



DATA AND FEATURES		681	680	6825	6836
Variable closing force	Spring strength (EN)	1 to 2	2 to 4	2 to 5	3 to 6
Standard doors	≤750mm ≤20kg	681	x	x	x
	≤850mm ≤40kg	681	680	6825	x
	≤950mm ≤60kg	x	680	6825	6836
	≤1100mm ≤80kg	x	680	6825	6836
	≤1250mm ≤100kg	x	x	6825	6836
	≤1450mm ≤120kg	x	x	x	6836
Body dimensions(mm)	Length	162	220	248	297
	Height	44	59	59	62
	Projection	36	42	42	46
Arm	Standard	✓	✓	✓	✓
	Parallel	○	○	○	○
	Track (standard)	○	○	○	○
	Track (hold-open)	○	○	○	○
Rack and pinion		✓	✓	✓	✓
Power shoe arm bracket		✓	✓	✓	✓
Angle of opening		120°	180°	180°	180°
Power adjustable by spring		x	x	✓	✓
Power adjustable by position		✓	✓	x	x
Sweep speed adjustable		✓	✓	✓	✓
Latching speed adjustable		✓	✓	✓	✓
Hold-open	Built in	x	x	x	x
	Hold open arm	○	○	○	○
Back-check	Self-regulating	x	x	x	x
	Adjustable at valve	x	○	○	○
Delayed action adjustable		x	x	○	○
Non-handed		✓	✓	✓	✓
With cover		x	○	○	○
Application	Regular (1)	✓	✓	✓	✓
	Parallel arm (66)	○	○	○	○
	Transom (61)	✓	✓	✓	✓
Guarantee/years		5 years	10 years	10 years	10 years

✓=yes x=no ○=option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:

Silver, dark brown or gold, other finishes upon request.



1234567890
1234567890

SURFACE DOOR CLOSERS



with cover



830 EN CLOSER



NUMBER: 1121

Tested to EN 1154 **485113**

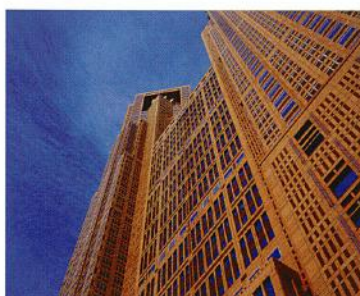
by Warrington APT Laboratories, UK

Power Adjustable by Spring

EN Fire Tested

DORINT 836 Overhead Door Closer

NUMBER: 1121-CPR-AD0312



DATA AND FEATURES			835	836
Variable closing force	Spring strength (EN)		2 to 5	3 to 6
Standard doors	≤850mm	≤40kg	835	x
	≤950mm	≤60kg	835	836
	≤1100mm	≤80kg	835	836
	≤1250mm	≤100kg	835	836
	≤1450mm	≤120kg	x	836
Body dimensions(mm)	Length		236	275
	Height		60	62
	Projection		39	45
Arm	Standard		✓	✓
	Parallel		○	○
	Track (standard)		○	○
	Track (hold-open)		○	○
Rack and pinion			✓	✓
Power shoe arm bracket			✓	✓
Angle of opening			180°	180°
Power adjustable by spring			✓	✓
Power adjustable by position			x	x
Sweep speed adjustable			✓	✓
Latching speed adjustable			✓	✓
Hold-open	Built in		x	x
	Hold open arm		○	○
Back-check	Self-regulating		x	x
	Adjustable at valve		○	✓
Delayed action adjustable			○	○
Non-handed			✓	✓
With cover			○	○
Application	Regular (1)		✓	✓
	Parallel arm (66)		○	○
	Transom (61)		✓	✓
Guarantee/years			10 years	10 years

✓ = yes x = no ○ = option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

DELAYED ACTION:

Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

STANDARD FINISHES:

Silver, dark brown or gold, other finishes upon request.



1234567890
1234567890

ECONOMICAL DOOR CLOSERS



with cover



R19186

980 DOOR CLOSER

Power Adjustable #2 to #4 by Position



DATA AND FEATURES

980

Variable closing force	Spring strength (EN)	2 to 4
Standard doors	≤ 850mm ≤ 40kg	980
	≤ 950mm ≤ 60kg	980
	≤ 1100mm ≤ 80kg	980
	≤ 1250mm ≤ 100kg	x
Body dimensions(mm)	Length	207
	Height	55
	Projection	40
Arm	Standard	✓
	Parallel	○
	Track (standard)	○
	Track (hold-open)	○
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		180°
Power adjustable by spring		x
Power adjustable by position		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Built in	x
	Hold open arm	○
Back-check	Self-regulating	○
	Adjustable at valve	○
Delayed action adjustable		○
Non-handed		✓
With cover		○
Application	Regular (1)	✓
	Parallel arm (66)	○
	Transom (61)	✓
Guarantee/years		5 years

✓ = yes x = no ○ = option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:

Silver, dark brown or gold, other finishes upon request.



1234567890
1234567890

ECONOMICAL DOOR CLOSERS



770 DOOR CLOSER

Power Adjustable #2 to #4 by Position

EN Fire Tested

by Warrington APT Laboratories, UK



DATA AND FEATURES

770

Variable closing force	Spring strength (EN)	2 to 4
Standard doors	≤ 750mm ≤ 20kg	x
	≤ 850mm ≤ 40kg	770
	≤ 950mm ≤ 60kg	770
	≤ 1100mm ≤ 80kg	770
	≤ 1250mm ≤ 100kg	x
	≤ 1450mm ≤ 120kg	x
Body dimensions(mm)	Length	178
	Height	42
	Projection	64
Arm	Standard	✓
	Parallel	○
	Track (standard)	○
	Track (hold-open)	○
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		180°
Power adjustable by spring		x
Power adjustable by position		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Built in	x
	Hold open arm	○
Back-check	Self-regulating	x
	Adjustable at valve	○
Delayed action adjustable		x
Non-handed		✓
With cover		○
Application	Regular (1)	✓
	Parallel arm (66)	○
	Transom (61)	✓
Guarantee/years		5 years

✓ =yes x=no ○ =option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:

Silver, dark brown or gold, other finishes upon request.

TRACK ARM SURFACE CLOSERS

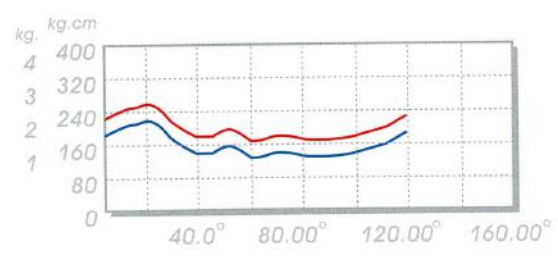


TS320

SURFACE MOUNTING DOOR CLOSERS



Tested to EN 1154 **483113**
 by Warrington APT Laboratories, UK
 Power size 3 and fire tested
 DORINT TS320 Surface Door Closer
 NUMBER: 1121-CPR-AD0291



Sliding Arm with Hold Open Function
 High Efficiency of Opening and Closing



DATA AND FEATURES

TS320

Variable closing force	Spring strength (EN)	2 to 4
Standard doors	≤ 850mm ≤ 40kg	TS320
	≤ 950mm ≤ 60kg	TS320
	≤ 1100mm ≤ 80kg	TS320
Body dimensions (mm)	Length	210
	Width	53.5
	Thick	32
Arm	Standard	x
	Parallel	x
	Track (standard)	✓
	Track (hold-open)	✓
Double Action		x
Power shoe arm bracket		x
Angle of opening		120°
Power adjustable by spring		✓
Power adjustable by position		x
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Build in	x
	Hold open arm	x
Back-check	Self-regulating	x
	Adjustable at valve	x
Delayed action adjustable		x
Non-handed		✓
Application	Track arm	✓
	Parallel arm (66)	x
	Transom (61)	○
Guarantee / years		10 years

✓ = yes x = no ○ = option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufactures or defect in materials.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:

Sliver, dark brown or gold, other finishes upon request.



CONCEALED DOOR CLOSERS

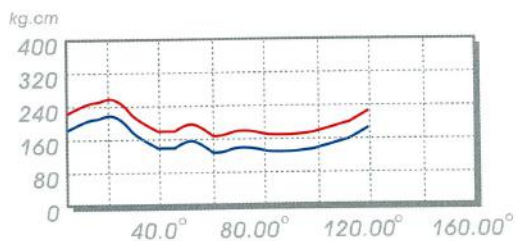


TC320 DOUBLE ACTION

CONCEALED DOOR CLOSERS



Tested to EN 1154 **483113**
by Warrington APT Laboratories, UK
Power size 3 and fire tested



Sliding Arm with Hold Open Function
High Efficiency of Opening and Closing



DATA AND FEATURES		TC320
Variable closing force	Spring strength (EN)	2 to 4
Standard doors	≤ 850mm ≤ 40kg	TC320
	≤ 950mm ≤ 60kg	TC320
	≤ 1100mm ≤ 80kg	TC320
Body dimensions (mm)	Length	210
	Width	53.5
	Thick	32
Arm	Standard	x
	Parallel	x
	Track (standard)	✓
	Track (hold-open)	✓
Double Action		○
Power shoe arm bracket		x
Angle of opening		120°
Power adjustable by spring		✓
Power adjustable by position		x
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Build in	x
	Hold open arm	x
Back-check	Self-regulating	x
	Adjustable at valve	x
Delayed action adjustable		x
Non-handed		✓
Application	Track arm	✓
	Parallel arm (66)	x
	Transom (61)	○
Guarantee / years		10 years
✓ =yes x=no ○ =option		

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufactures or defect in materials.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:

Sliver, dark brown or gold, other finishes upon request.

1234567890
1234567890

CONCEALED DOOR CLOSERS



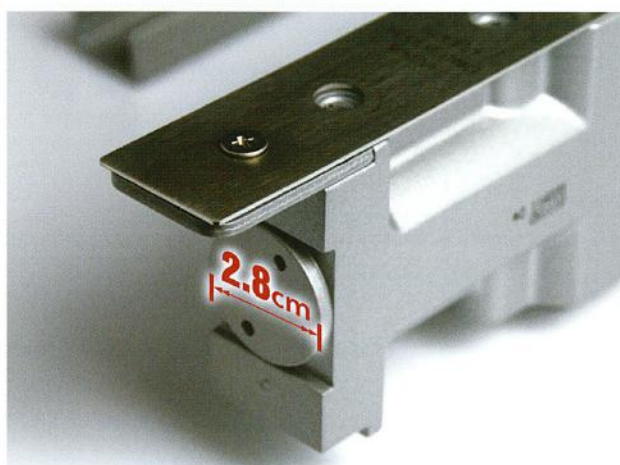
2800 SERIES

Power #2, #3

Thickness 28mm

Non-handed

5 years guaranteed



DATA AND FEATURES

2800

Variable closing force	Spring strength (EN)	2 to 3
Standard doors	≤ 850mm ≤ 40kg	282
	≤ 950mm ≤ 60kg	283
Body dimensions (mm)	Length	225
	Width	61
	Thick	28
Arm	Standard	x
	Parallel	x
	Track (standard)	✓
	Track (hold-open)	✓
Rack and pinion		✓
Power shoe arm bracket		x
Angle of opening		120°
Power adjustable by spring		x
Power adjustable by position		x
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Build in	x
	Hold open arm	✓
Back-check	Self-regulating	x
	Adjustable at valve	x
Delayed action adjustable		x
Non-handed		✓
Application	Track arm	✓
	Parallel arm (66)	x
	Transom (61)	○
Guarantee / years		5 years

✓ =yes x=no ○ =option

Remarks:

Left or Right hand opening should be indicated when ordering.

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufactures or defect in materials.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:

Sliver, dark brown or gold, other finishes upon request.



CONCEALED DOOR CLOSERS

385 SERIES



Power Adjustable #2 to #4 by Spring
Thickness 37 mm
Back Check [Optional]
EN Fire Tested
by Warrington APT Laboratories, UK

380 SERIES



Power #1, #2, #3,
Thickness 32 mm
EN Fire Tested
by Warrington APT Laboratories, UK



DATA AND FEATURES

		380	385
Variable closing force	Spring strength (EN)	1 to 3	3 to 5
Standard doors	≤750mm ≤20kg	381	x
	≤850mm ≤40kg	382	x
	≤950mm ≤60kg	383	385
	≤1100mm ≤80kg	x	385
	≤1250mm ≤100kg	x	385
Body dimensions(mm)	Length	230	239
	Width	57	61
	Thick	32	37
Arm	Standard	x	x
	Parallel	x	x
	Track (standard)	✓	✓
	Track (hold-open)	✓	✓
Rack and pinion		✓	✓
Power shoe arm bracket		x	x
Angle of opening		120°	120°
Power adjustable by spring		x	✓
Power adjustable by position		x	x
Sweep speed adjustable		✓	✓
Latching speed adjustable		✓	✓
Hold-open	Built in	x	x
	Hold open arm	✓	✓
Back-check	Self-regulating	x	x
	Adjustable at valve	x	✓
Delayed action adjustable		x	x
Non-handed		✓	✓
Application	Track arm	✓	✓
	Parallel arm (66)	x	x
	Transom (61)	x	x
Guarantee/years		5 years	5 years

✓ =yes x=no O =option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:

Silver, dark brown or gold, other finishes upon request.



8360_{EST} | Electro Hold Open W/Track Arm W/Smoke Detector



CTROMAGNETIC DOOR CONTROL & EXIT PANIC DEVICE



EN Fire Tested
EN 1154 Tested
By U.K., Germany, Singapore...



1234567890
1234567890

Electromagnetic Door Control



8360_{ET} | Electro Hold Open
W/Track Arm
W/O Smoke Detector



8360_E | Electro Hold Open
W/Standard Arm
W/O Smoke Detector



8360_{EST} | Electro Hold Open
W/Track Arm
W/Smoke Detector



8360_{ES} | Electro Hold Open
W/Standard Arm
W/Smoke Detector



DATA AND FEATURES		8360E	8360ET	8360ES	8360EST
Variable closing force	Spring strength (EN)	3 to 6	3 to 6	3 to 6	3 to 6
#3	≤950mm ≤60kg	8363E	8363ET	8363ES	8363EST
#4	≤1100mm ≤80kg	8364E	8364ET	8364ES	8364EST
#5	≤1250mm ≤100kg	8365E	8365ET	8365ES	8365EST
#6	≤1450mm ≤120kg	8366E	8366ET	8366ES	8366EST
Input Voltage (DC)		240 V.AC	240 V.AC	240 V.AC	240 V.AC
Output Voltage (DC)		24 V.DC	24 V.DC	24 V.DC	24 V.DC
Max. Opening Angle		180°	180°	180°	180°
Latching speed adjustable(15°~0°)		✓	✓	✓	✓
Sweep speed adjustable(180°~15°)		✓	✓	✓	✓
Non-handed		✓	✓	✓	✓
Swing free function		○	○	○	○
Parallel arm bracket		○	○	○	○
Track arm		○	○	○	○
Cover		✓	✓	✓	✓



When a power supply of 24volts DC is connected to the door closer and the door is opened beyond 75degree, up to it's maximum, the hold open mechanism will be engaged and hold the door open. In the even of the electrics supply being interrupted whether manually or alarm activated, the door will close from any position.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:

Sliver, dark brown or gold, other finishes upon request.



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2000^{series} Exit Panic Device

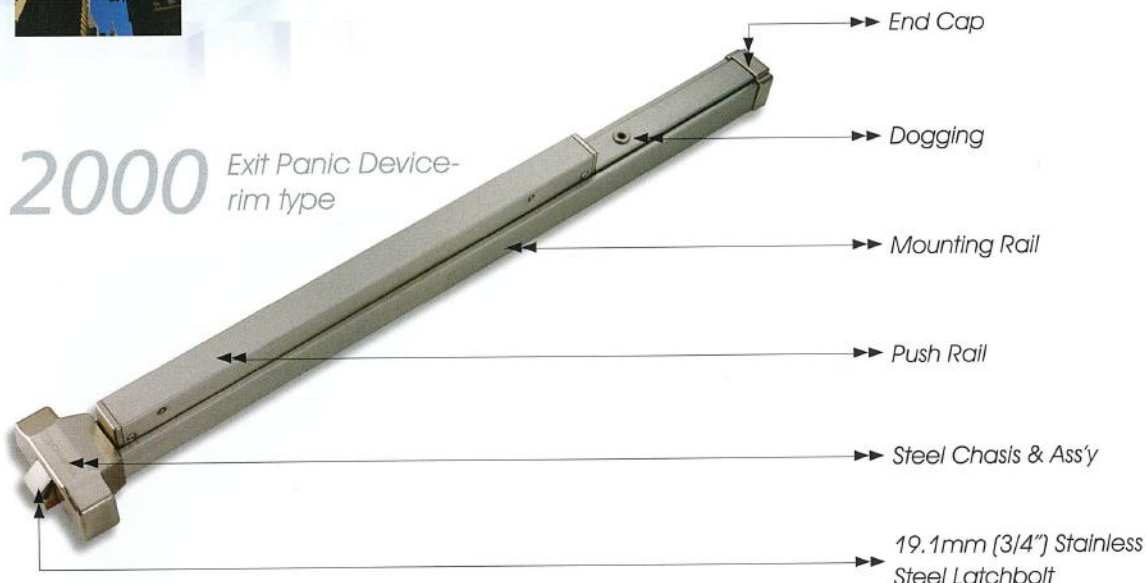


EN1125:1997+A1:2001									
3	7	6	0	1	3	2	2	B	

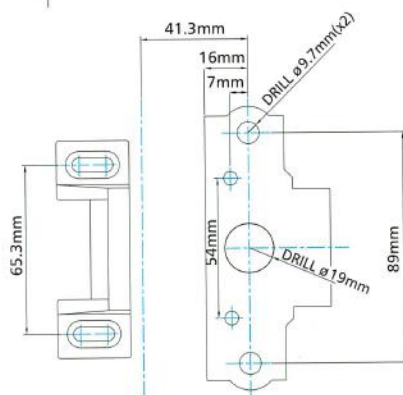
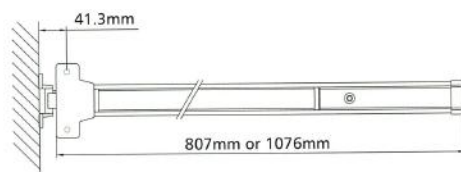
NUMBER: 1121



2000 Exit Panic Device-rim type



- **For Doors-** 44.5mm (1 3/4") thick standard, 114.3mm (4 1/2") minimum stile width for single or double door application using standard strike and pull or lever trims
- **Door Width-rim type:** 914.4mm & 1219.2mm (3' & 4')
- **Material-** Push bar of Steel and Stainless steel
- **Latch bolt-** Stainless steel 19.1mm (3/4") throw
- **Strike-** for 16mm (5/8") stop, plus shim for 12.7mm (1/2") stop
- **Reversible-** Non handed
- **Backset-** 41.3mm (1 5/8")
- **Mounting-** Furnished standard with wood and machine screws. Available with thru bolts
- **Dogging feature-** Allen type furnished standard on non-fire labeled device



Exit Device W / ALARM (Optional)



Outside Trim- W / Lever handle and profile cylinder



Lip Pull W / Rim cylinder

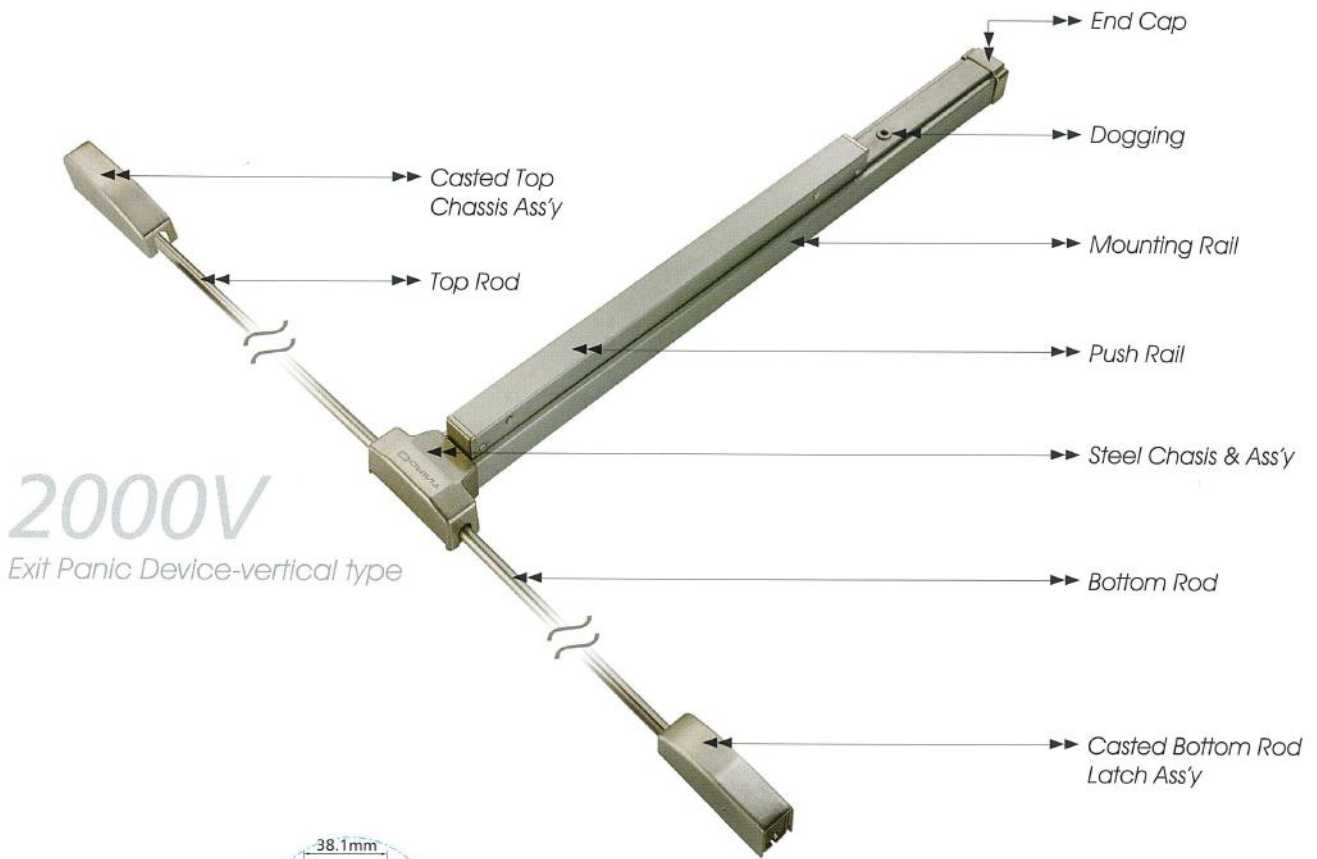


Outside by Pull and key (Rim Cylinder)



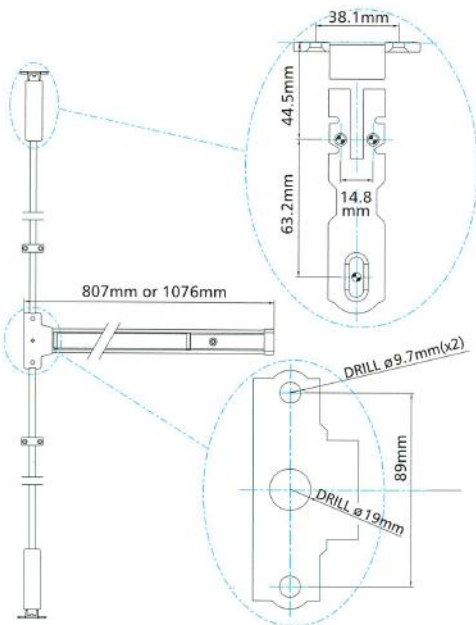
Strike for use with rim type exit device





2000V

Exit Panic Device-vertical type



- **For Doors**-44.5mm (1 3/4") thick standard, 114.3mm (4 1/2") minimum stile width for single or double door application using standard strike and pull or lever trims
- **Door Width**-vertical type: 914.4x2133.6mm & 1219.2x2133.6mm & 914.4x2438.4mm & 1219.2x2438.4mm [3'x7' & 4'x7' & 3'x8' & 4'x8']
- **Material**-Push bar of Steel and Stainless steel
- **Latch bolt**-Stainless steel 19.1mm (3/4") throw
- **Strike**-for 16mm (5/8") stop, plus shim for 12.7mm (1/2") stop
- **Reversible**-Non handed
- **Backset**-41.3mm (1 5/8")
- **Mounting**-Furnished standard with wood and machine screws. Available with thru bolts
- **Dogging feature**-Allen type furnished standard on non-fire labeled device

ACCESSORIES



Overlapping strike for double door

Strike for use with vertical type exit device

Through Bolts



FM578071

Quality-assured manufacture
To ISO 9001
Certified and supervised
By BSI

CLOSER DESCRIPTION & ACCESSORIES

MATERIALS

Forged piston and pinion operated by high grade steel springs housed in aluminum body with steel arm; with optional covers in steel or stainless steel.

CLOSING AND LATCHING SPEED

The latch speed is the speed that the door travels in the last third to 10 degrees as it closes and is often set fast so that the door can properly latch closed. The sweep speed is the speed which the door travels at along the first two thirds of its travel and is often set slower than the latch speed.

HOLD OPEN ARM

When this arm is fitted with the door closer, your door will remain open at a preset angle until it is closed manually. Alternatively there are some door closers which have such a device incorporated into the mechanism. Be aware of fire regulations when fitting these devices as they may not be allowed by Fire Officers on specific doors within a building for obvious reasons!

OVERLOAD PROTECTION

A relief valve is built into Dorint series to prevent damage to the door closer, hinges, door and frame. Should the door be forced shut at a greater speed than the unit is adjustable for, the relief valve is actuated, allowing the excessive hydraulic pressure to bleed off whilst the normal control of the door is retained.

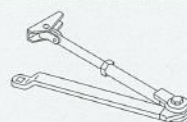
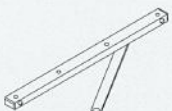
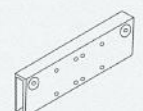
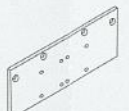
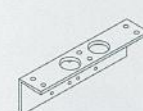
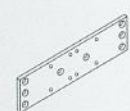
DELAYED ACTION

This allows the door to remain open for a preset period of time before closing at an adjustable speed. Such a system will allow people in wheelchairs or the elderly to get through the door before it starts to close. This is also useful in areas where trolleys are used.

BACK CHECK

This back check action provides resistance within the door closer to prevent the door leaf from being thrown open. This prevents damage to the door, door frame and door handles caused by people kicking or throwing the door open and also by the door being violently blown open by the wind. The angle and resistance of the back check can be varied according to your requirements. When using a door closer with a back check facility it is worth remembering that this facility puts extra strain on the door hinges - remember to allow for this when choosing your hinges!



Name	Standard Arm	Extended Arm	Hold-Open Arm	Slide Channel	Glass Door Shoe	Drop Plate	Angle Bracket	Mounting Backplate	Arm Adapter Plate	Parallel Arm Bracket
Product No.	SA	FA	HOA	TA	FP1	FP2	FP3	FP4	FP5	PA
Drawing										
724	● ●	● ●	● ●	●					○	○
2000	● ●	● ●	● ●	●					○	○
730	● ●	● ●	● ●	●	○	○	○	○	○	○
735	● ●	● ●	● ●	●	○	○	○	○	○	○
680	● ●	● ●	● ●	●	○	○	○	○	○	○
681	● ●	● ●	● ●	●	○	○	○	○	○	○
6824	● ●	● ●	● ●	●	○	○	○	○	○	○
6836	● ●	● ●	● ●	●	○	○	○	○	○	○
770	● ●	● ●	● ●	●	○	○	○	○	○	○
980	● ●	● ●	● ●	●	○	○	○	○	○	○
835	● ●	● ●	● ●	●	○	○	○	○	○	○
836	● ●	● ●	● ●	●	○	○	○	○	○	○
9000	● ●	● ●	● ●	●	○	○	○	○	○	○
913	● ●	● ●	● ●	●	○	○	○	○	○	○
915	● ●	● ●	● ●	●	○	○	○	○	○	○

*Use of the slide channel or the parallel arm bracket with a closer will cause closing power to drop by one or two power sizes.

- Closer with arm, complete
- Arm only
- Optional accessory



EN Fire Tested
EN 1154 Tested
By U.K., Germany, Singapore...







TRANSOM CLOSERS

FLOOR HINGES

GLASS FITTINGS

SHOWER HINGES

EQUIPMENT



EN Fire Tested
EN 1154 Tested
By L.L.K., Germany, Singapore...

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FLOOR HINGES



950 FLOOR HINGES

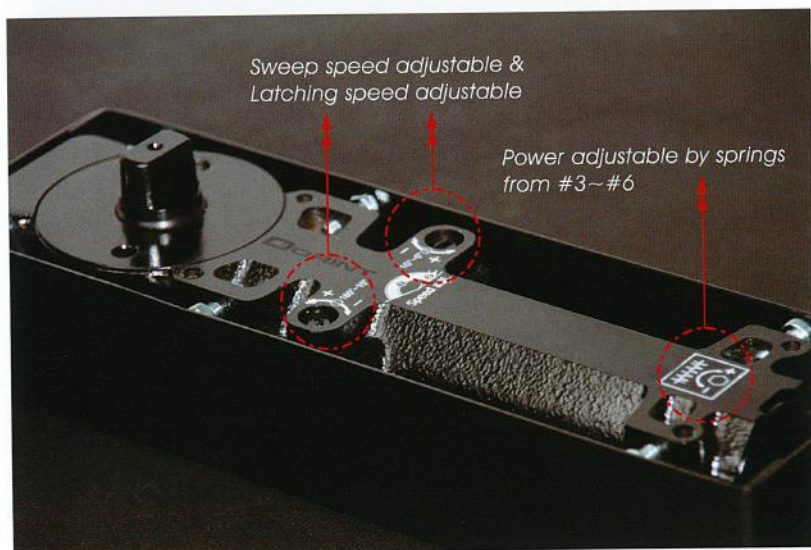
Power adjustable by springs from #3~#6

Narrow design

Suitable door width 1.10m-1.45m

Suitable door width max. 300kg

10 years guaranteed



DATA AND FEATURES		950
Variable closing force	Suitable door width	3 to 6
Standard doors	#1 ≤ 750mm	x
	#2 ≤ 850mm	x
	#3 ≤ 950mm	950
	#4 ≤ 1100mm	950
	#5 ≤ 1250mm	950
	#6 ≤ 1450mm	950
Body dimensions(mm)	Length	323
	Width	94
	Thick	62
Arm	Standard	✓
	Offset arm	○
Cam-action		✓
Angle of opening		150°
Power adjustable by spring from #3~#6		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Without hold-open	○
	at 90° hold-open	✓
	at 105° hold-open	○
Back-check	Self-regulating	x
	Adjustable at valve	x
Delayed action adjustable		x
Non-handed		✓
Guarantee/years		10 years

✓ =yes x=no ○ =option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufactures or defect in materials.

COVER PLATE FINISHES:

Satin stainless steel or polished brass.

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FLOOR HINGES

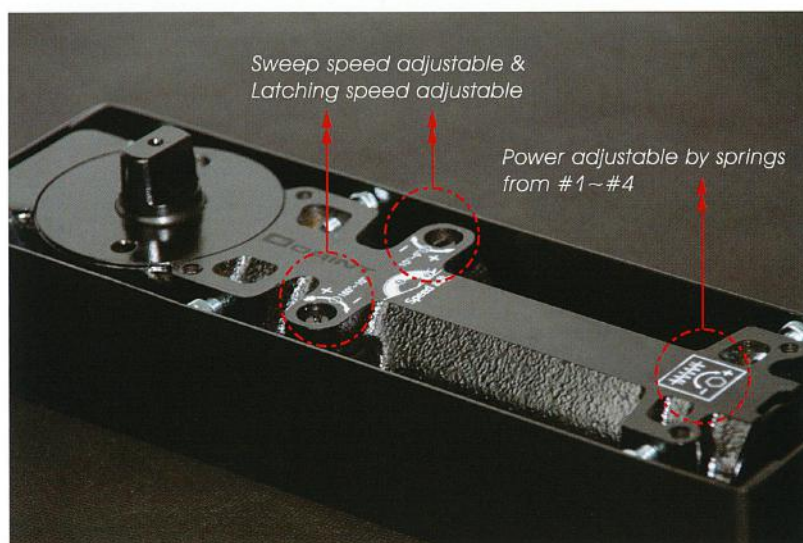


750 FLOOR HINGES

Power adjustable by springs from #1 ~ #4

Narrow design

10 years guaranteed



DATA AND FEATURES

750

Variable closing force	Suitable door width	1 to 4
Standard doors	#1 ≤750mm	750
	#2 ≤850mm	750
	#3 ≤950mm	750
	#4 ≤1100mm	750
Body dimensions(mm)	Length	274
	Width	82
	Thick	50
Arm	Standard	✓
	Offset arm	○
Cam-action		✓
Angle of opening		160°
Power adjustable by springs from #1 ~#4		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Without hold-open	○
	at 90° hold-open	✓
	at 105° hold-open	○
Back-check	Self-regulating	x
	Adjustable at valve	x
Delayed action adjustable		x
Non-handed		✓
Guarantee/years		10 years

✓ =yes x=no ○=option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufactures or defect in materials.

COVER PLATE FINISHES:

Satin stainless steel or polished brass.



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FLOOR HINGES



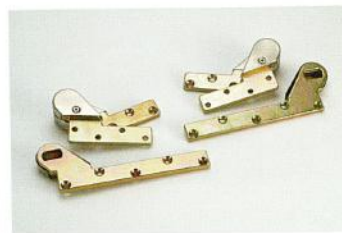
650 FLOOR HINGES
Power #2, #3, #4



▲ STANDARD STRAP, TOP AND
BOTTOM PIVOT (DMA)



▲ STANDARD STRAP, TOP AND
BOTTOM PIVOT (NSA)



▲ OFFSET PIVOT



DATA AND FEATURES		650
Variable closing force	Suitable door width	2 to 4
Standard doors	≤850mm	652
	≤950mm	653
	≤1100mm	654
Body dimensions (mm)	Length	276
	Width	108
	Thick	40
Arm	Standard	✓
	Offset arm	○
Cam-action		✓
Angle of opening		130°
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	without hold-open	○
	at 90° hold-open	✓
	at 105° hold-open	○
Non-handed		✓
Guarantee / years		5 years

✓ =yes x=no ○=option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufactures or defect in materials.

COVER PLATE FINISHES:

Satin stainless steel or polished brass.



FLOOR HINGES



G2220 FLOOR HINGES

Power #2, #3



▲ STANDARD STRAP, TOP AND BOTTOM PIVOT (DMA)



▲ STANDARD STRAP, TOP AND BOTTOM PIVOT (NSA)



▲ OFFSET PIVOT



DATA AND FEATURES		G2220
Variable closing force	Suitable door width	2 to 3
Standard doors	#2 ≤850mm	G2222
	#3 ≤950mm	G2223
Body dimensions(mm)	Length	256
	Width	100
	Thick	50
Arm	Standard	✓
	Offset arm	○
Cam-action		✓
Angle of opening		120°
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Without hold-open	○
	at 90° hold-open	✓
	at 105° hold-open	○
Back-check	Self-regulating	x
	Adjustable at valve	x
Delayed action adjustable		x
Non-handed		✓
Guarantee/years		1 year

✓ =yes x=no ○ =option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufactures or defect in materials.

COVER PLATE FINISHES:

Satin stainless steel or polished brass.

FLOOR HINGES

840 FLOOR SPRING



Tested to EN 1154 **383113** **384113**

by Warrington APT Laboratories, UK

Power #2, #3, #4

EN Fire Tested

DORINT 840 #3 Floor Spring NUMBER: 1121-CPR-AD0179

DORINT 840 #4 Floor Spring NUMBER: 1121-CPR-AD0207



DATA AND FEATURES

840

Variable closing force	Spring strength (EN)	2 to 5
Standard doors	≤850mm ≤70kg	842
	≤950mm ≤105kg	843
	≤1100mm ≤150kg	844
	≤1250mm ≤200kg	845
Body dimensions(mm)	Length	306
	Width	108
	Thick	40
Arm	Standard	✓
	Offset arm	○
Cam-action		✓
Angle of opening		130°
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Without hold-open	○
	at 90° hold-open	✓
	at 105° hold-open	○
Back-check	Self-regulating	x
	Adjustable at valve	○
Delayed action adjustable		x
Non-handed		✓
Guarantee/years		10 years

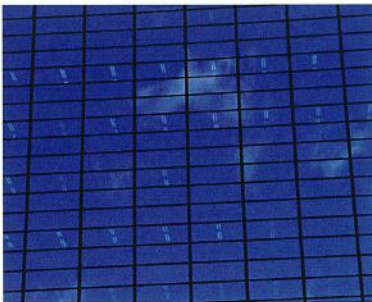
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GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufactures or defect in materials.

COVER PLATE FINISHES:

Satin stainless steel or polished brass.



FLOOR HINGES



220 FLOOR HINGES

10 Years Guaranteed
Power #2, #3, #4



▲ STANDARD STRAP, TOP AND
BOTTOM PIVOT



DATA AND FEATURES

220

Variable closing force	Suitable door width	2 to 4
Standard doors	≤ 850mm	222
	≤ 950mm	223
	≤ 1100mm	224
Body dimensions(mm)	Length	289
	Width	124
	Thick	51
Arm	Standard	✓
	Offset arm	x
Cam-action		✓
Angle of opening		120°
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Without hold-open	○
	at 90° hold-open	✓
	at 105° hold-open	○
Back-check	Self-regulating	x
	Adjustable at valve	x
Delayed action adjustable		x
Non-handed		✓
Guarantee/years		10 years

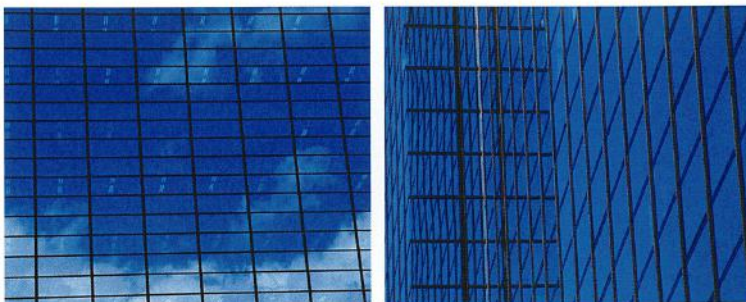
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GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufactures or defect in materials.

COVER PLATE FINISHES:

Satin stainless steel or polished brass.



TRANSOM CLOSERS



850 TRANSOM CLOSER

10 Years Guaranteed

Power #2, #3, #4



▲ TOP AND BOTTOM PIVOT



▲ SCREW PACK FOR FIXING BRACKET



▲ SCREW PACK FOR SIDE-LOAD
TOP ARM AND CHANNEL



▲ SCREW PACK FOR SIDE-LOAD
BOTTOM PIVOT



DATA AND FEATURES

850

Variable closing force	Suitable door width	2 to 4
Standard doors	≤850mm	852
	≤950mm	853
	≤1100mm	854
Body dimensions(mm)	Length	271
	Width	87
	Thick	40
Arm	Standard	✓
	Offset arm	x
Cam-action		✓
Angle of opening		130°
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Without hold-open	○
	at 90° hold-open	✓
	at 105° hold-open	○
Back-check	Self-regulating	x
	Adjustable at valve	x
Delayed action adjustable		x
Non-handed		✓
Guarantee/years		10 years

✓ =yes x=no ○ =option

GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

COVER PLATE FINISHES:

Satin Stainless steel or polished brass.

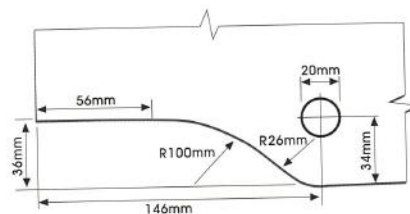


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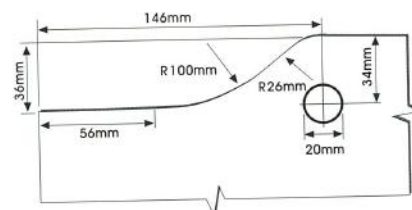
GLASS FITTINGS



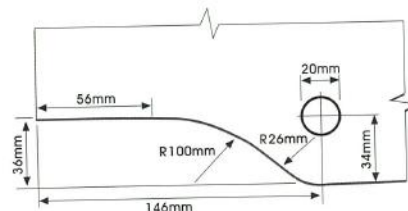
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Bottom Patch

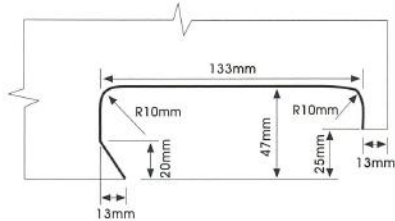
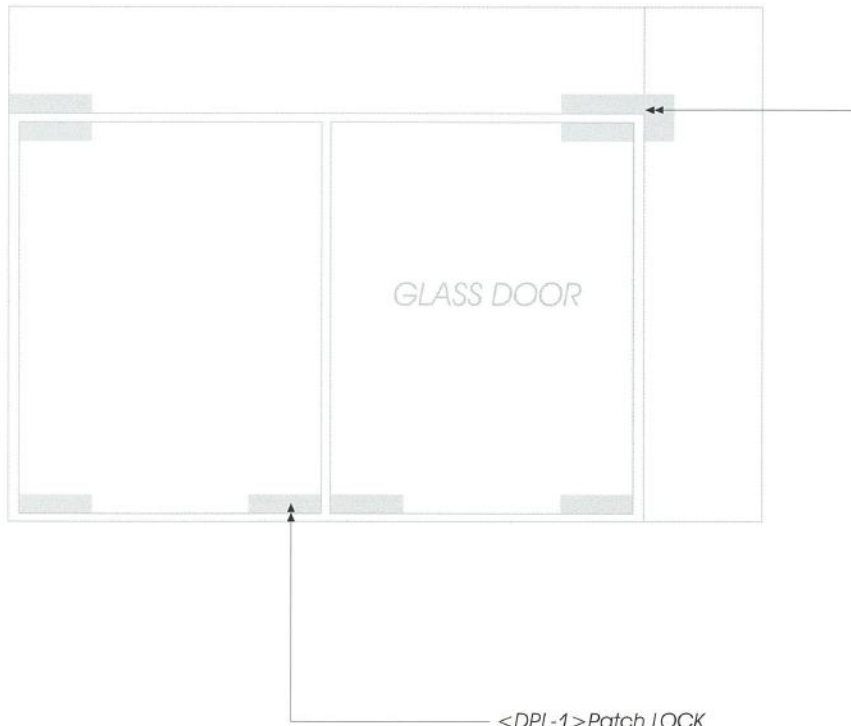


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Top Patch

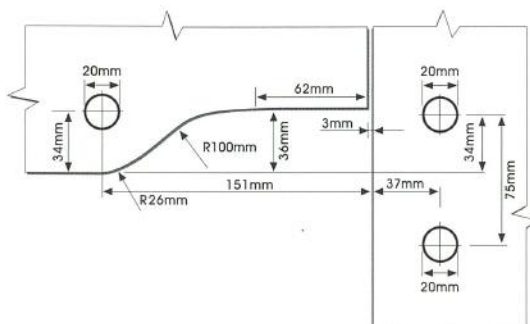


<DPF-4>
Overhead Pivot Patch





<DPF-1> SIDE PANEL CONNECTOR



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1234567890
1234567890



SHOWER HINGES

FINISHES

Bright Chrome Plate - CP

OTHER FINISHES

Satin Chrome - SC, Polished Brass - PB

TECHNICAL DATA

Self closing function when the door stays approx. 30°

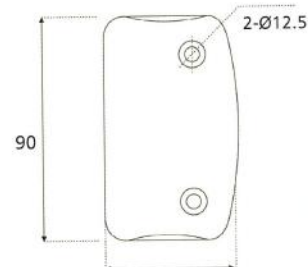
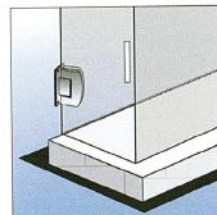
Suitable for 8mm thick glass but can be specified for 10mm thick glass

Width of up to 800mm with a maximum weight of 35kgs



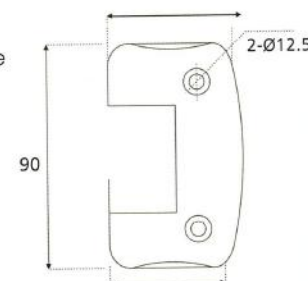
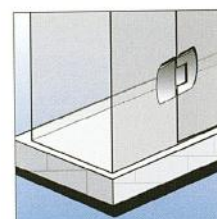
DSH-11

Wall to Glass Hinge



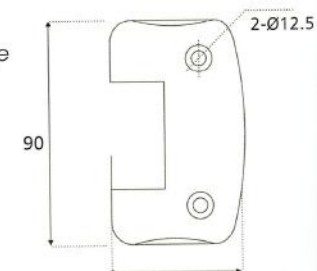
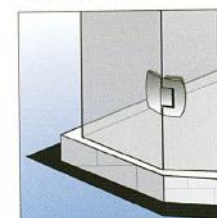
DSH-22

Glass to Glass 180° Hinge



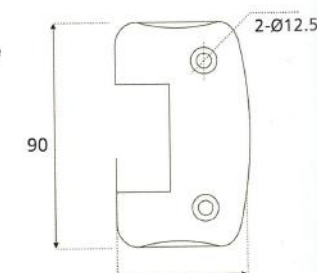
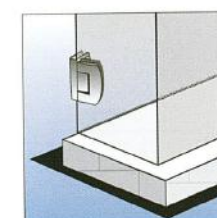
DSH-33

Glass to Glass 135° Hinge



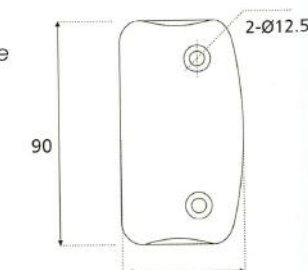
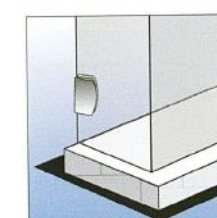
DSH-44

Glass to Glass 90° Hinge

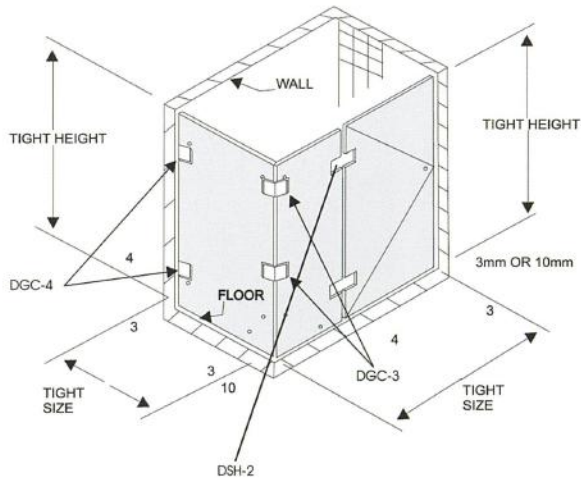


DSH-55

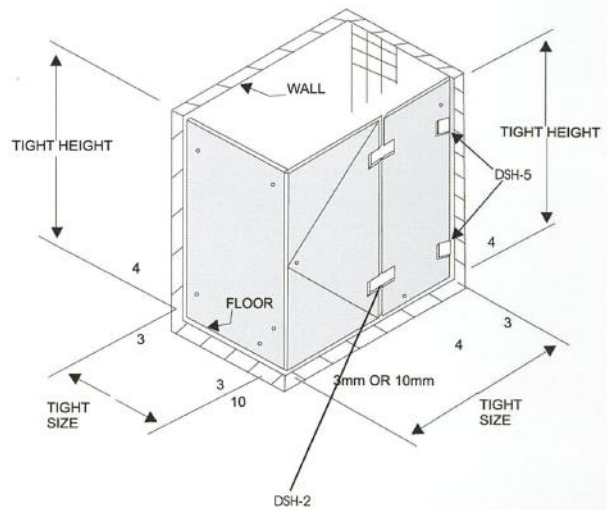
Wall to Glass Fixed Hinge



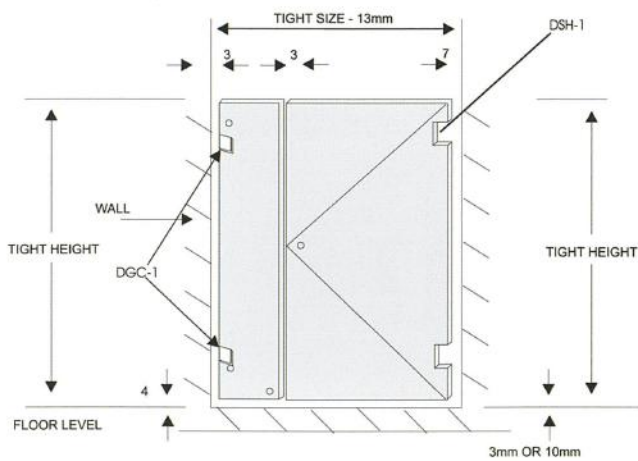
TYPICAL LAYOUTS FOR FRAMELESS SHOWER ENCLOSURES



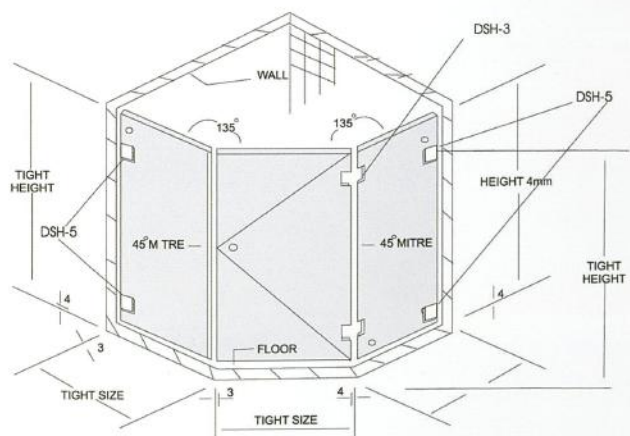
180° GLASS / GLASS LAYOUT (A)



180° GLASS / GLASS LAYOUT (B)



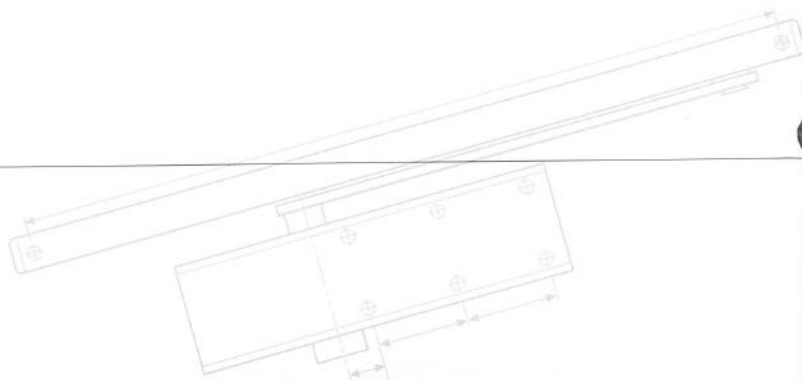
WALL / GLASS LAYOUT



135° GLASS / GLASS LAYOUT

1234567890
1234567890

EQUIPMENT



▲ Double Door Testing



▲ Temperature Test



Fire Tested



▲ Cycle Test



FM578071
Quality management system
To ISO 9001
Certified and supervised
By BSI

INTERNATIONAL STANDARDS

All products are manufactured under a quality management system BS 5750, ISO 9002, EN 29002, CNS 12681, Z4034, JIS Z9901 and ASQC Q91.



▲ Painting Equipment



▲ Assembly Line



▲ CNC ROBOT Machine



NUMBER: 1121



▲ Lathe Machines



▲ Machine Center



▲ Goods Ready for Packaging



▲ Factory



▲ Production Facilities



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