



DOOR CONTROL COLLECTION 2013

By Carlisle Brass

The Home of Quality Architectural Ironmongery

Eurospec Door Control Collection by Carlisle Brass

Welcome to the Eurospec door control collection brochure. Our comprehensive, fully tested range of door closers are suitable for a wide variety of private, commercial and public sector applications.

We offer...

- Standard arm, high efficiency, cam action, electromagnetic and various concealed closers.
- Next day delivery on orders placed before 5:30pm.
- A fast and efficient call centre where 98% of sales calls are answered in under 40 seconds.
- Carlisle Brass has full traceability of all its product lines from point of manufacture to customer, through its quality management systems.

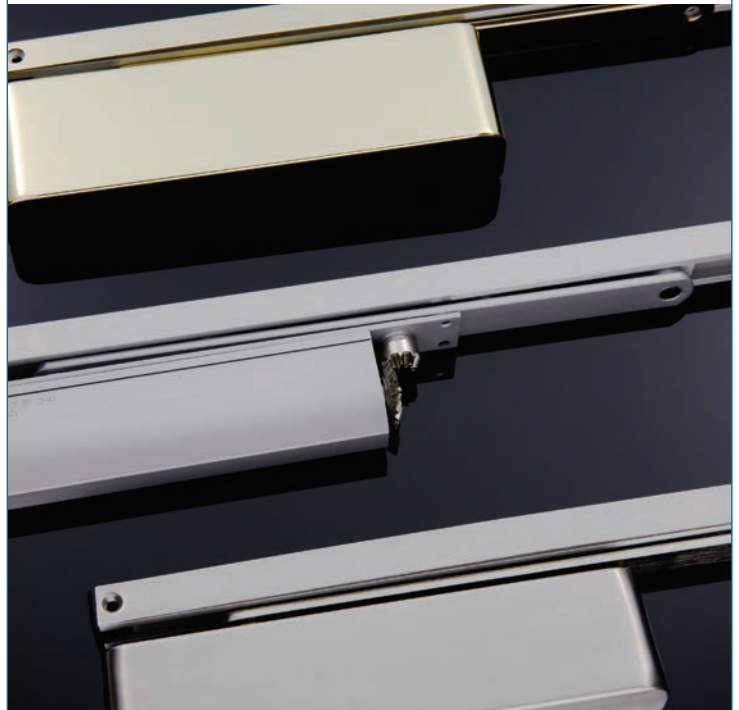
ENDURO

High Performance Door Controls

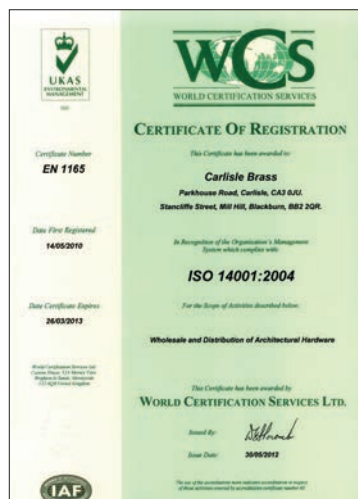


ENDUROMAX

Extreme Performance Door Controls



EN 1165



Certificate No. 7287


Carlisle Brass is an ISO 14001:2004 and ISO 9001:2008 accredited company.

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Key to Finishes and Symbols

Finishes

 BSS	Bright Stainless Steel	 PC	Polished Chrome	 SSS	Satin Stainless Steel
 CP	Polished Chrome	 PNP	Polished Nickel Plate	 SV	Silver
 EB	Electro Brass	 PVD	Stainless Brass	 WHT	White
 EBP	Electro Brass Plate	 SC	Satin Chrome		
 PB	Polished Brass	 SNP	Satin Nickel Plate		

Symbols



APPROVED PRODUCT

Certifire is an independent 3rd party scheme providing high quality, voluntary, product conformity for the passive fire sector. The requirements are based on those of CE marking, but whereas the CE mark reflects compliance with minimum regulatory requirements Certifire is product certification at a higher level. Additional requirements are ISO9001:2008 certification, independent audit testing and a comprehensive field of application document based on carefully chosen tests. Designed to give confidence to specifiers, enforcement authorities and building owners/occupiers, the Certifire scheme is recognised by regulatory authorities both in the UK and overseas.



CE Marking is certification to the highest levels of attestation required by the Construction Products Directive. The CE mark indicates that the product has been successfully 3rd party performance/fire tested and that the producing factory has passed stringent Factory Production Control audits, carried out by a UKAS notified certification body.



FD30



FD30/60



FD60



FD30/60/I20



FDI20/240

BS EN 1634 PART1:2000 European Fire Safety standard for determining the fire resistance of door and shutter assemblies, including door hardware. FD30 (30 Minute Fire Doors) FD60 (60 Minute Fire Doors) FD120 (120 Minute Fire Doors)FD120 (120 Minute Metal Fire Doors) FD240 (240 Minute Metal Fire Doors).The UK Construction Products Directive requires that door hardware for use on fire doors be safe and durable. It is recommended that door hardware fitted to fire doors should be CE marked.



10 Year Mechanical Guarantee



2 Year Mechanical Guarantee



2 Year Electrical Guarantee



BS EN 1154

British/European standard requirements and testing methods covering controlled door closing devices.



BS EN 1155

British/European standard requirements and testing methods covering electrically powered hold open devices for swing doors.



BS 8300 is the design of buildings and their approaches to meet the needs of disabled people.

NOTE: BS 8300 Requirements are for the whole door set and therefore the minimum width of suitable door will increase when the door is fitted with all other items of ironmongery on site.

Suitable Environments for Use



Housing/Domestic



Office/Retail
Commercial



Hospitals/Government



Education



Sports Stadia/Institution

BS EN 1154:1996 Explained...

BS EN 1154:1996 is the European standard for controlled door closing devices and, as such, tests mechanical door closer performance. Adopted by EU member states, it became a mandatory requirement for CE marking in 2004. It prescribes the test methodology and subsequent classification of randomly selected production line products. The test data, together with supporting technical evaluation, results in a classification code. This coding allows comparison across a range of closers according to their compliance with the standard.

Door closers for fire doors are covered by a Constructive Products Directive mandate. Compliance with BS EN 1154:1996, supported by suitable evidence, therefore allows the application of the CE mark. All conforming door closers consequently will be marked with their BS EN 1154:1996 coding and details of the notified certification body.

Door controls with electrical components, such as electromagnetic hold open devices, must also satisfy the requirements of both BS EN 1154:1996 and the supplementary standard, BS EN 1155:1997 for electrically controlled door operators.

Door Size/Mass

The number identifies the power size of the closer as defined by the door size and mass. Adjustable power closers are defined by the upper and lower power sizes.

Closer Size	Max Door Size
1	750mm - 20Kg
2	850mm - 40Kg
3	950mm - 60Kg
4	1100mm - 80Kg
5	1250mm - 100Kg
6	1400mm - 120Kg
7	1600mm - 160Kg

Category of Use

Defines the angle from which the closer will close the door in a controlled manner. Grade 3 will control the door from 105°. Most Carlisle Brass closers will operate from 180° - Grade 4.

Corrosion Resistance

A salt spray test is used to ascertain corrosion resistance thereby establishing suitability for use in varying environmental conditions. Five grades are identified from 0 (no identified resistance) to 4 (very high resistance). All Carlisle Brass closers achieve at least Grade 3 and are suitable for use in wet, polluted environments and most exterior applications.



Test Cycles

Included in a 500,000 cycle test as defined by Grade 8 the only grade available.

Safety

The part of the standard which ensures the operation and suitability of the closer is hazard free. It provides peace of mind that the closer operates without risk to the user. Only Grade 1 is identified.

Fire Behaviour

Based on the results of fire testing to BS EN 1634 ensuring the door remains closed under temperatures which can exceed 1000°C. Grade 1 is for closers which are deemed suitable for use on fire doors. Grade 0 are not suitable for use on fire doors.

Which Door Closer?

Entry Closers for General Applications

Fixed Range



DCF2003SV



CDG003

Jamb Mounted Range



AA45



CDC85SC/R

Medium Frequency Commercial Applications

Variable Position Template Range



DCF2003SV



DCT2024



DCS2024-2026



DCC2003CF-DCC2024SM

Transom Closers Range



DCTS100/EN3-DCTS150/EN4

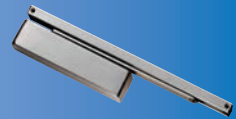
High Frequency Commercial Applications

Variable Position Spring Range



DCS2024-2026

High Efficiency Slide Channel Concealed and Surface Mounted Range



DCC2003CF-DCC2024SM

Electromagnetic Range



DCEM2003-DCEM3024

Floor Springs Range



DCFS150/EN3-DCFS250/EN4

ENDURO





1121-CPD-AD0196					
BS EN 1154:1996 - Fig 1 Fitting					
4	8	3	1	1	3

1121-CPD-AD0196					
BS EN 1154:1996 - Fig 6 Fitting					
4	8	3	1	1	3



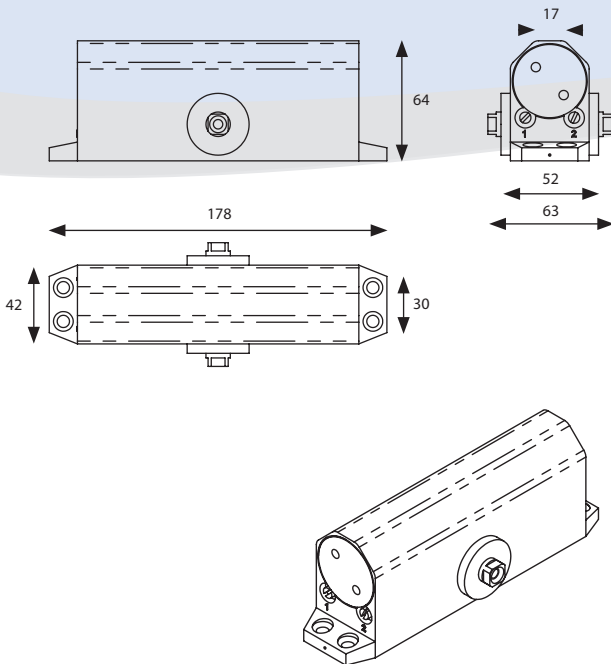
APPROVED PRODUCT
CF646



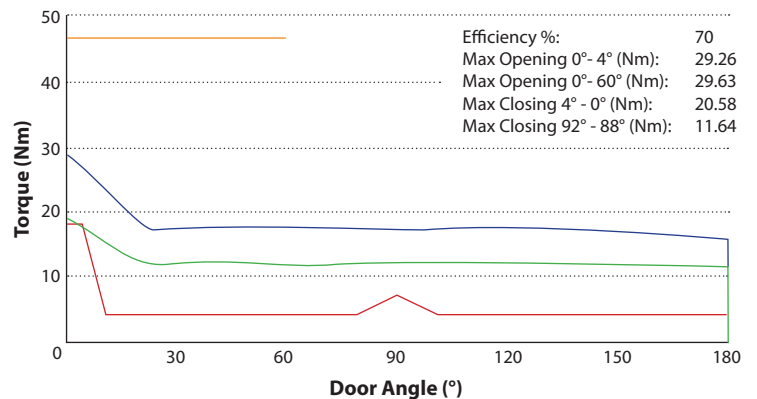
BS EN 1154



FD30/60/120



— Max Closing Moment (EN)
— Opening Moment
— Closing Moment
— Min Closing Moment (EN)



The DCF2003 overhead door closer has an opening force (0-30°) less than 30N when fitted to a minimum width door of 926mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 838mm tested in laboratory conditions. Therefore the suitable width of door for the DCF2003 overhead door closer fixed in the above fixing position is 926mm.

Specification	Cover Packs	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 3 Efficiency 70% Max Door Width 950mm Max Weight 60Kg Angle of Opening Max 180° Suitable for LH/RH Use Easi Fix Template Supplied Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available 	<p>BSS DCF2003BSS/FCP EBP DCF2003EBP/FCP PNP DCF2003PNP/FCP PVD DCF2003PVD/FCP SNP DCF2003SNP/FCP SSS DCF2003SSS/FCP SV DCF2003SV/FCP</p>	<p>BSS EBP PNP PVD SNP SSS SV</p>	



1121-CPD-AD0197					
BS EN 1154:1996 - Fig 1 Fitting					
4	8	4 2	1	1	3

1121-CPD-AD0197					
BS EN 1154:1996 - Fig 6 Fitting					
4	8	3	1	1	3



APPROVED PRODUCT
CF646



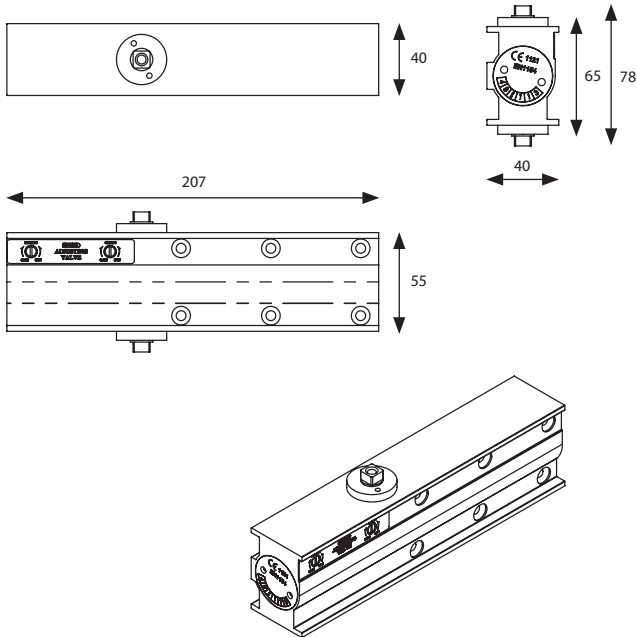
BS EN 1154



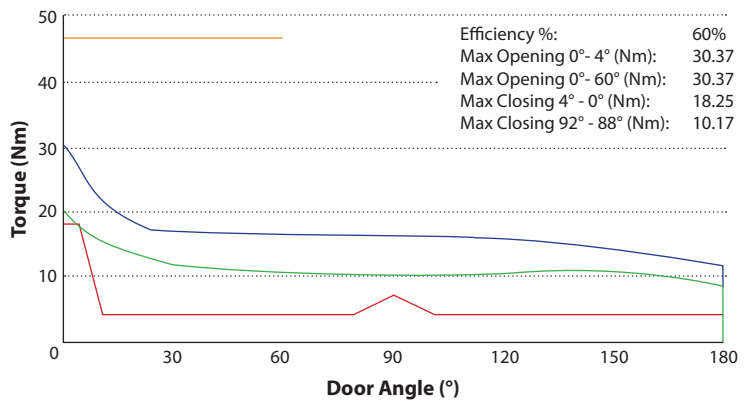
FD30/60/120



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- Max Closing Moment (EN)
- Opening Moment
- Closing Moment
- Min Closing Moment (EN)



The DCT2024 & DCT2024BC overhead door closer has an opening force (0-30°) less than 31N when fitted to a minimum width door of 948mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 838mm tested in laboratory conditions. Therefore the suitable width of door for the DCT2024 & DCT2024BC overhead door closer fixed in the above fixing position is 948mm.

Specification	Cover Packs	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 2-4 Efficiency 60% Max Door Width 1100mm Max Weight 80Kg Angle of Opening Max 180° Suitable for LH/RH Use Easi Fix Template Supplied Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available Optional Backcheck DCT2024BC 	<p>DCT2024SV</p> <p>BSS DCT2024BSS/FCP EBP DCT2024EBP/FCP PNP DCT2024PNP/FCP PVD DCT2024PVD/FCP SNP DCT2024SNP/FCP SSS DCT2024SSS/FCP SV DCT2024SV/FCP</p> <p>DCT2024BC/SV & PB*</p> <p>BSS DCT2024BC/BSS/FCP EBP DCT2024BC/EBP/FCP PNP DCT2024BC/PNP/FCP PVD DCT2024BC/PVD/FCP SNP DCT2024BC/SNP/FCP SSS DCT2024BC/SSS/FCP SV DCT2024BC/SV/FCP</p>	<p>BSS</p> <p>EBP</p> <p>PNP</p> <p>PVD</p> <p>SNP</p> <p>SSS</p> <p>SV</p>	



1121-CPD-AD0198					
BS EN 1154:1996 - Fig 1 Fitting					
4	8	4 2	1	1	3

1121-CPD-AD0198					
BS EN 1154:1996 - Fig 6 Fitting					
4	8	4 2	1	1	3



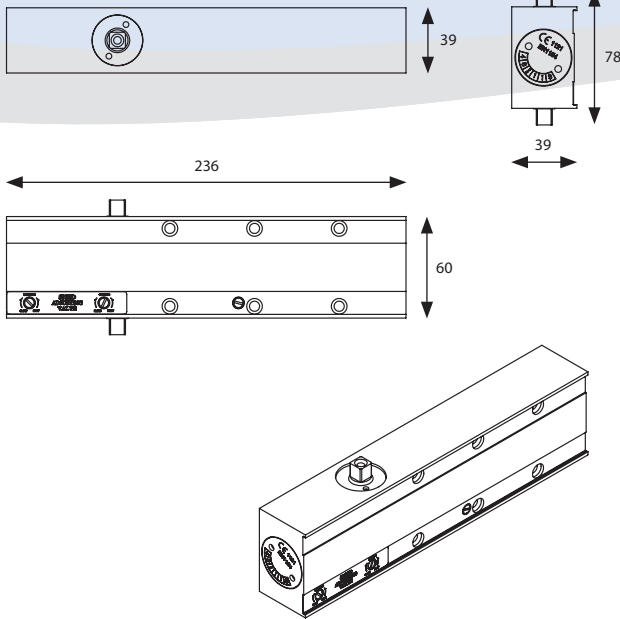
APPROVED PRODUCT
CF646



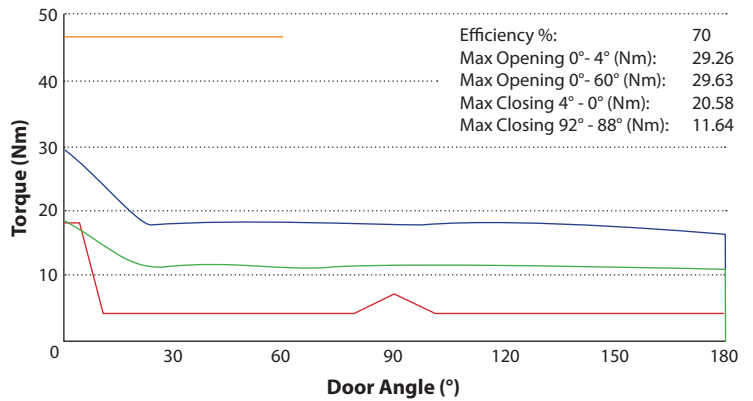
BS EN 1154



FD30/60/120



— Max Closing Moment (EN)
— Opening Moment
— Closing Moment
— Min Closing Moment (EN)



The DCS2024BC overhead door closer has an opening force (0-30°) less than 30N when fitted to a minimum width door of 926mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 838mm tested in laboratory conditions. Therefore the suitable width of door for the DCS2024BC overhead door closer fixed in the above fixing position is 926mm.

Specification	Cover Packs	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 2-4 Efficiency 70% Max Door Width 1100mm Max Weight 80Kg Angle of Opening Max 180° Suitable for LH/RH Use Power Adjustment by Spring Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available Backcheck Meets recommendations of BS 8300 and Approved Document M 	<p>BSS DCS2024BC/BSS/FCP</p> <p>EBP DCS2024BC/EBP/FCP</p> <p>PNP DCS2024BC/PNP/FCP</p> <p>PVD DCS2024BC/PVD/FCP</p> <p>SNP DCS2024BC/SNP/FCP</p> <p>SSS DCS2024BC/SSS/FCP</p> <p>SV DCS2024BC/SV/FCP</p>	<p>BSS</p> <p>EBP</p> <p>PNP</p> <p>PVD</p> <p>SNP</p> <p>SSS</p> <p>SV</p>	



1121-CPD-AD0199					
BS EN 1154:1996 - Fig 1 Fitting					
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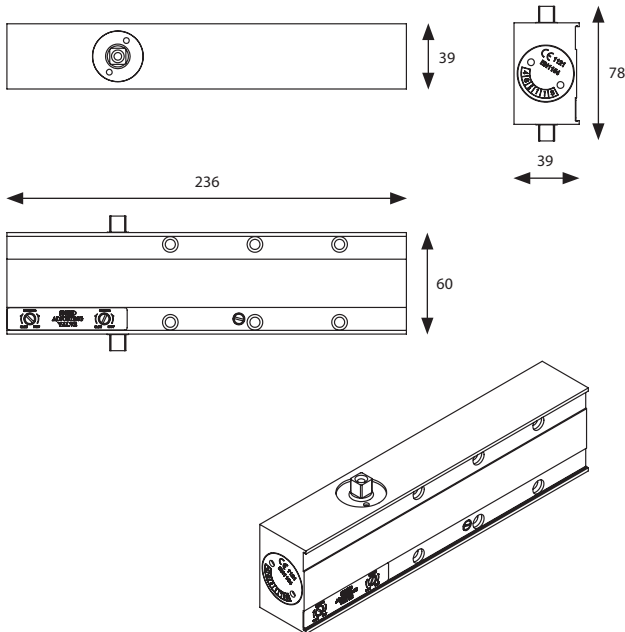
1121-CPD-AD0199					
BS EN 1154:1996 - Fig 6 Fitting					
4	8	4/2	1	1	3



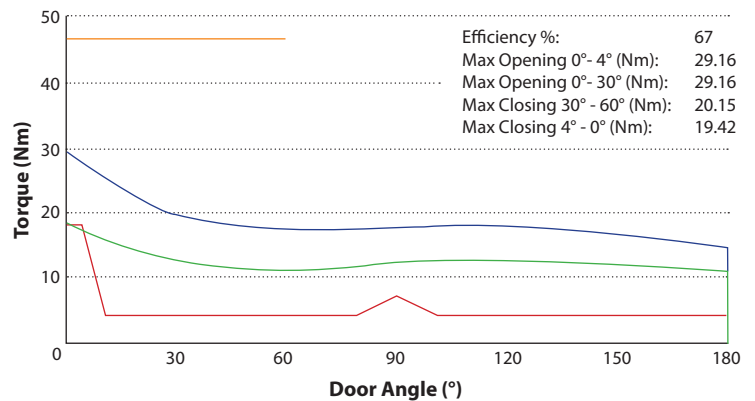
APPROVED PRODUCT
CF646



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— Max Closing Moment (EN)
— Opening Moment
— Closing Moment
— Min Closing Moment (EN)



The DCS2025BC overhead door closer has an opening force (0-30°) less than 30N when fitted to a minimum width door of 926mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 838mm tested in laboratory conditions. Therefore the suitable width of door for the DCS2025BC overhead door closer fixed in the above fixing position is 926mm.

Specification	Cover Packs	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 2-5 Efficiency 67% Max Door Width 1250mm Max Weight 100Kg Angle of Opening Max 180° Suitable for LH/RH Use Power Adjustment by Spring Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available Backcheck Optional Delayed Action DCS2025BCDA Meets recommendations of BS 8300 and Approved Document M 	<p>DCS2025BC</p> <p>BSS DCS2025BC/BSS/FCP EBP DCS2025BC/EBP/FCP PNP DCS2025BC/PNP/FCP PVD DCS2025BC/PVD/FCP SNP DCS2025BC/SNP/FCP SSS DCS2025BC/SSS/FCP SV DCS2025BC/SV/FCP</p> <p>DCS2025BCDA*</p> <p>BSS DCS2025BCDA/BSS/FCP EBP DCS2025BCDA/EBP/FCP PNP DCS2025BCDA/PNP/FCP PVD DCS2025BCDA/PVD/FCP SNP DCS2025BCDA/SNP/FCP SSS DCS2025BCDA/SSS/FCP SV DCS2025BCDA/SV/FCP</p>	<p>BSS</p> <p>EBP</p> <p>PNP</p> <p>PVD</p> <p>SNP</p> <p>SSS</p> <p>SV</p>	



1121-CPD-AD0200					
BS EN 1154:1996 - Fig 1 Fitting					
4	8	6 2	1	1	3

1121-CPD-AD0200					
BS EN 1154:1996 - Fig 6 Fitting					
3	8	5 4	1	1	3



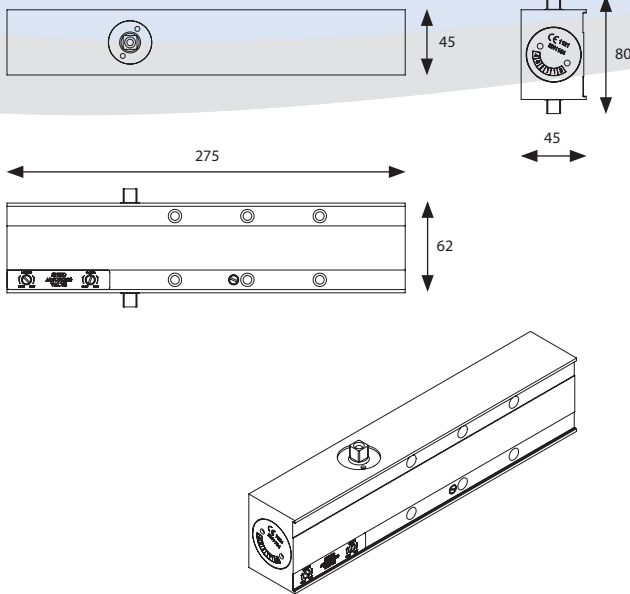
APPROVED PRODUCT
CF646



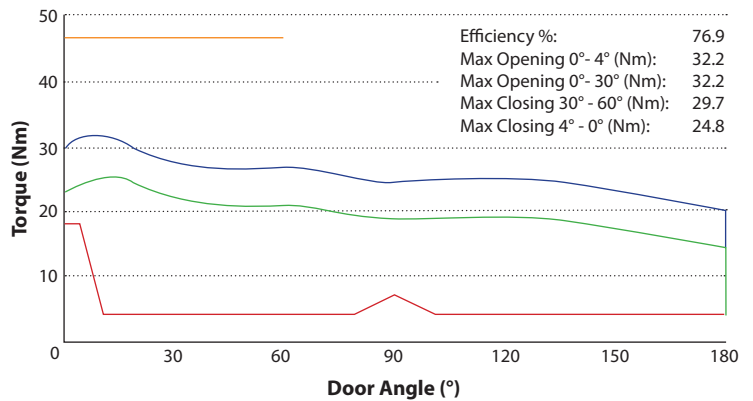
BS EN 1154



FD30/60/120



— Max Closing Moment (EN)
— Opening Moment
— Closing Moment
— Min Closing Moment (EN)








The DCS2026BC overhead door closer has an opening force (0-30°) less than 33N when fitted to a minimum width door of 1030mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 926mm tested in laboratory conditions. Therefore the suitable width of door for the DCS2026BC overhead door closer fixed in the above fixing position is 1030mm. (Power trace taken at 0 cycles).






Specification	Cover Packs	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 2-6 Efficiency 76% Max Door Width 1400mm Max Weight 120Kg Angle of Opening Max 180° Suitable for LH/RH Use Power Adjustment by Spring Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available Backcheck Optional Delayed Action DCS2026BCDA Meets recommendations of BS 8300 and Approved Document M 	<p>DCS2026BC</p> <p>BSS DCS2026BC/BSS/FCP</p> <p>PVD DCS2026BC/PVD/FCP</p> <p>SSS DCS2026BC/SSS/FCP</p> <p>SV DCS2026BC/SV/FCP</p> <p>DCS2026BCDA*</p> <p>BSS DCS2026BCDA/BSS/FCP</p> <p>PVD DCS2026BCDA/PVD/FCP</p> <p>SSS DCS2026BCDA/SSS/FCP</p> <p>SV DCS2026BCDA/SV/FCP</p>	<p>BSS</p> <p>PVD</p> <p>SSS</p> <p>SV</p>	

*Delayed Action not covered by CE or Certifire.

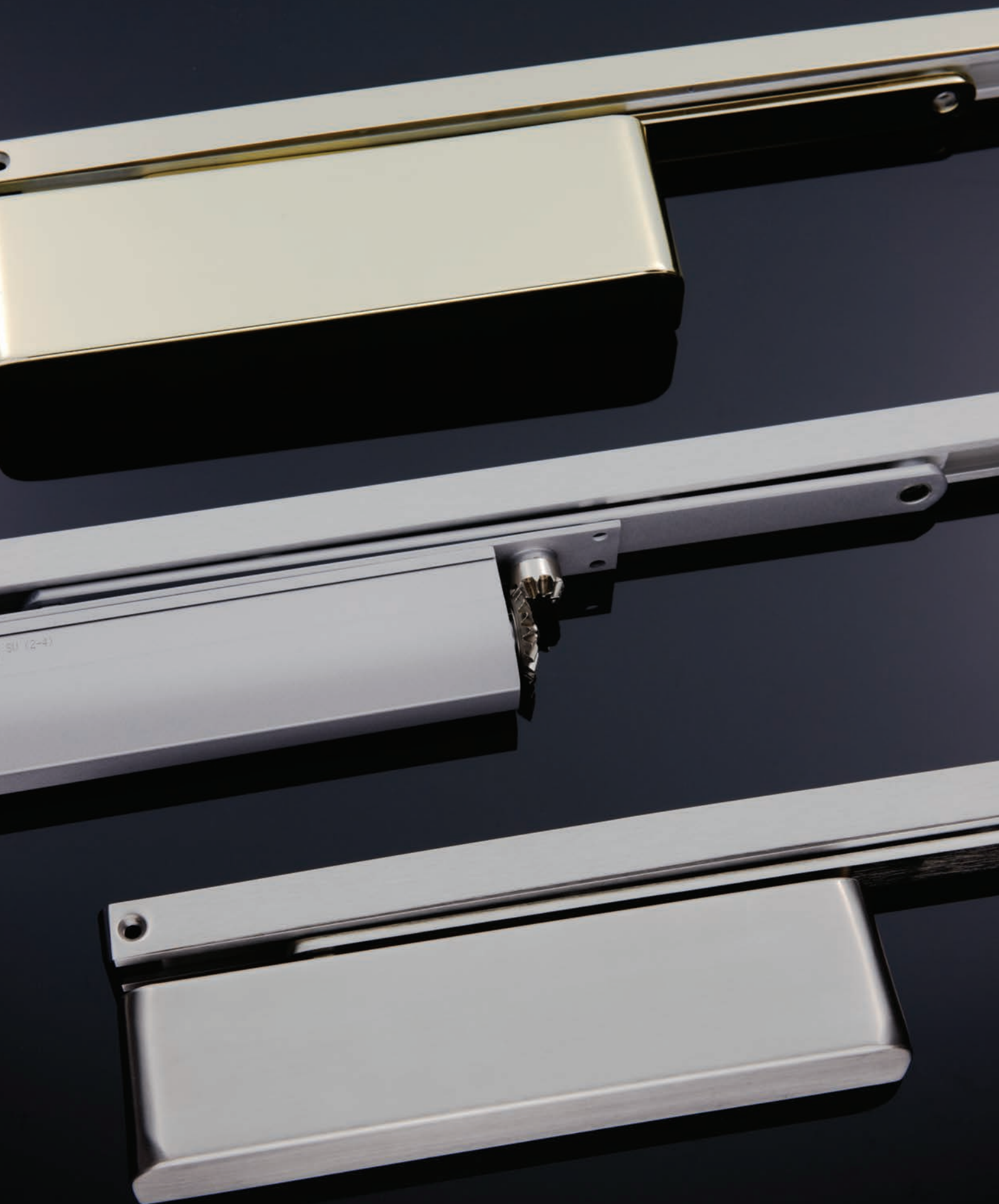


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Product	Finishes	Product	Finishes
<p>DCX2107 Hold Open Arm to suit: DCS2024 & DCS2024BC DCS2025BC & DCS2025BCDA DCS2026BC & DCS2026BCDA</p> 	 SV	<p>DCX2201 Door Closer Cover to suit: DCF2003</p> 	 SSS  SV

Product	Finishes	Product	Finishes
<p>DCX2202 Door Closer Cover to suit: DCS2024 DCT2024 & DCT2024BC DCS2025BC & DCS2025BCDA</p> 	 SSS  SV	<p>DCX2203 Door Closer Cover to suit: DCS2026BC & DCS2026BCDA</p> 	 SV

ENDURO MAX





1121 - CPD - AD5036	12					
EN 1154:1996 + A1:2002 + AC:2006	3	8	4 2	1	1	3



APPROVED PRODUCT
CFS087



BS EN 1154



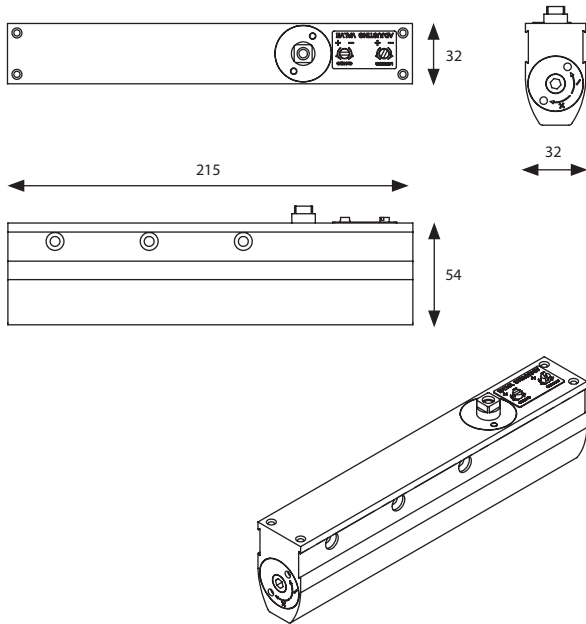
FD30/60/120



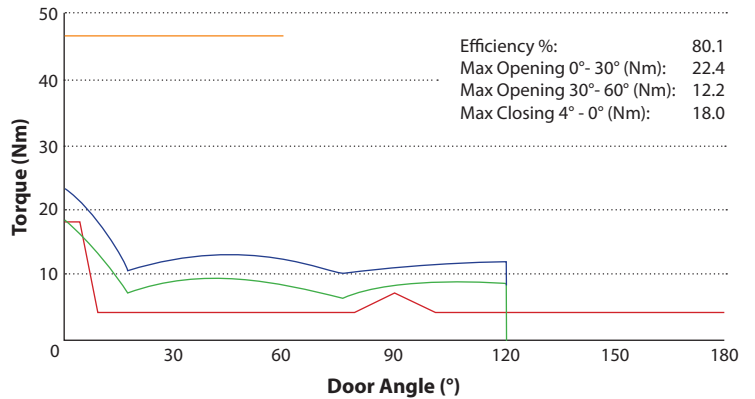
FD120/240



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— Max Closing Moment (EN)
— Opening Moment
— Closing Moment
— Min Closing Moment (EN)



The DCC2024SM surface mounted slim H.E door closer has an opening force (0-30°) less than 30N when fitted to a minimum width door of 747mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 542mm tested in laboratory conditions. Therefore the suitable width of door for the DCC2024SM surface mounted slim H.E door closer fixed in the above fixing position is 747mm.

Specification	Cover Packs	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 2-4 Efficiency 80% Max Door Width 1100mm Max Weight 80Kg Angle of Opening Max 120° Suitable for LH/RH Use Power Adjustment by Spring Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available Slide Channel Slimline Body Meets recommendations of BS 8300 and Approved Document M 	<ul style="list-style-type: none"> BSS DCP3000/BSS EBP DCP3000/EBP PNP DCP3000/PNP PVD DCP3000/PVD SNP DCP3000/SNP SSS DCP3000/SSS 	<ul style="list-style-type: none"> BSS EBP PNP PVD SNP SSS SV 	



1121 - CPD - AD5036	12					
EN 1154:1996 + A1:2002 + AC:2006	3	8	3	1	1	3



APPROVED PRODUCT
CF5087



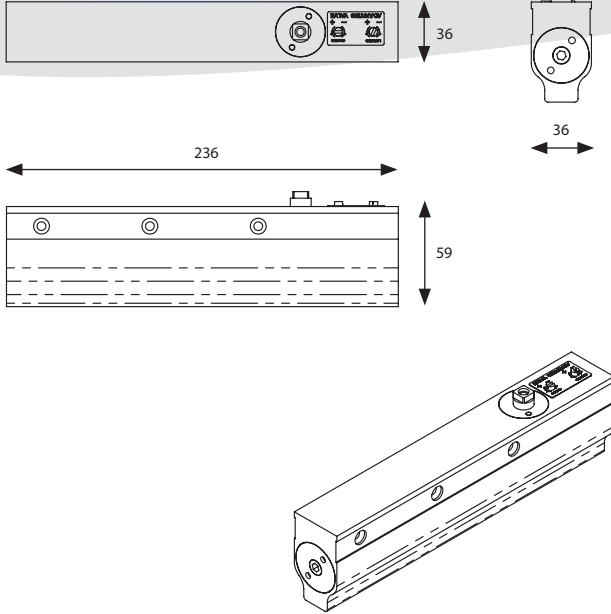
BS EN 1154



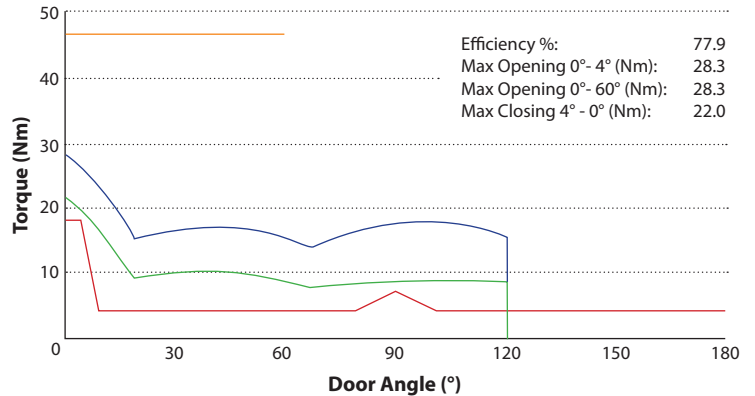
FD30/60/120



FD120/240



— Max Closing Moment (EN)
— Opening Moment
— Closing Moment
— Min Closing Moment (EN)



The DCC2003SM surface mounted H.E door closer has an opening force (0-30°) less than 30N when fitted to a minimum width door of 753mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 569mm tested in laboratory conditions. Therefore the suitable width of door for the DCC2003SM surface mounted H.E door closer fixed in the above fixing position is 753mm. (Power trace taken at 0 cycles).

Specification	Cover Packs	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 3 Efficiency 77% Max Door Width 950mm Max Weight 60Kg Angle of Opening Max 120° Suitable for LH/RH Use Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available Slide Channel Slimline Body Meets recommendations of BS 8300 and Approved Document M 	<ul style="list-style-type: none"> BSS DCP3202/BSS EBP DCP3202/EBP PNP DCP3202/PNP PVD DCP3202/PVD SNP DCP3202/SNP SSS DCP3202/SSS SV DCP3202/SV 	<ul style="list-style-type: none"> BSS EBP PNP PVD SNP SSS SV 	



1121 - CPD - AD5036	12					
EN 1154:1996 + A1:2002 + AC:2006	3	8	4 2	1	1	3



APPROVED PRODUCT
CE5087



BS EN 1154



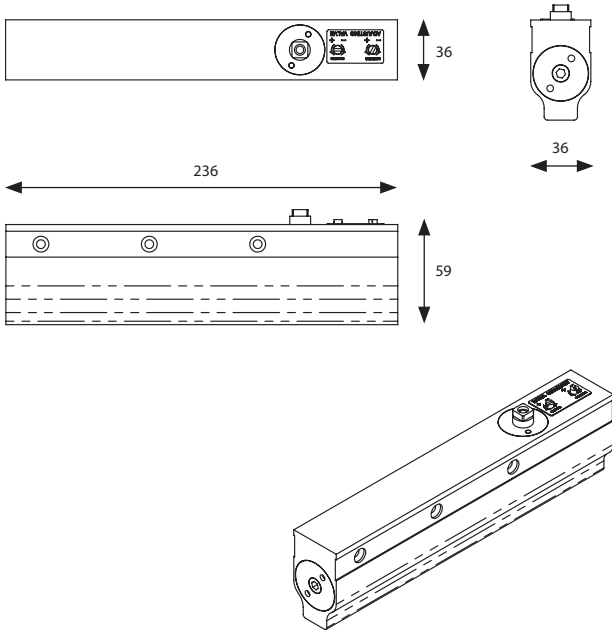
FD30/60/120



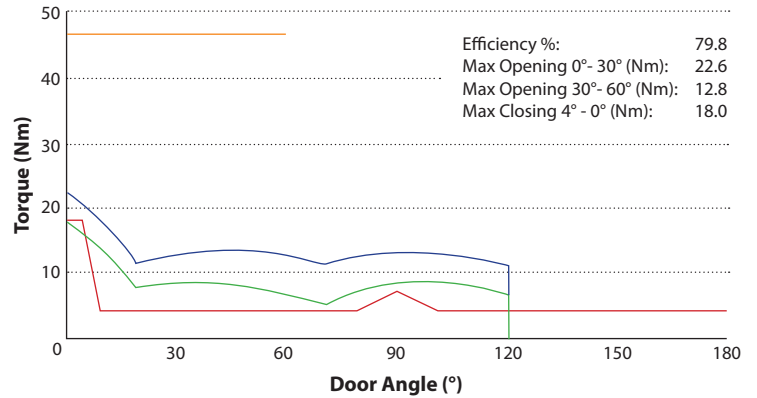
FD120/240



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- Max Closing Moment (EN)
- Opening Moment
- Closing Moment
- Min Closing Moment (EN)



The DCC2024SM/36 surface mounted H.E door closer has an opening force (0-30°) less than 30N when fitted to a minimum width door of 753mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 569mm tested in laboratory conditions. Therefore the suitable width of door for the DCC2024SM/36 surface mounted H.E door closer fixed in the above fixing position is 753mm.

Specification	Cover Packs	Finishes	Suitable Environments
<ul style="list-style-type: none"> ■ Closing Force EN Size 2-4 ■ Efficiency 79% ■ Max Door Width 1100mm ■ Max Weight 80Kg ■ Angle of Opening Max 120° ■ Suitable for LH/RH Use ■ Power Adjustment by Spring ■ Adjustable Closing Speed ■ Adjustable Latching Speed ■ 10 Year Mechanical Guarantee ■ Accessory Packs Available ■ Slide Channel ■ Meets recommendations of BS 8300 and Approved Document M 	<ul style="list-style-type: none"> BSS DCP3202/36/BSS EBP DCP3202/36/EBP PNP DCP3202/36/PNP PVD DCP3202/36/PVD SNP DCP3202/36/SNP SSS DCP3202/36/SSS SV DCP3202/36/SV 	<ul style="list-style-type: none"> ■ BSS ■ EBP ■ PNP ■ PVD ■ SNP ■ SSS ■ SV 	



1121 - CPD - AD5036	12					
EN 1154:1996 + A1:2002 + AC:2006	3	8	4 2	1	1	3



APPROVED PRODUCT
CF5087



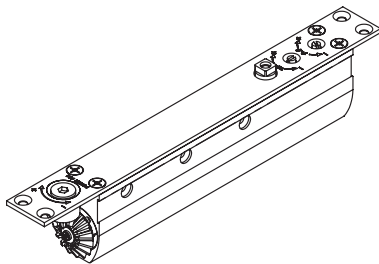
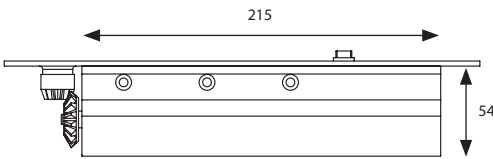
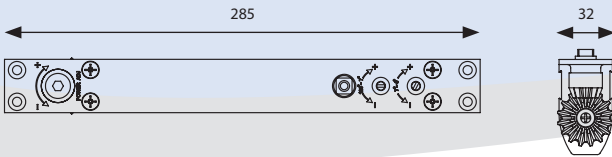
BS EN 1154



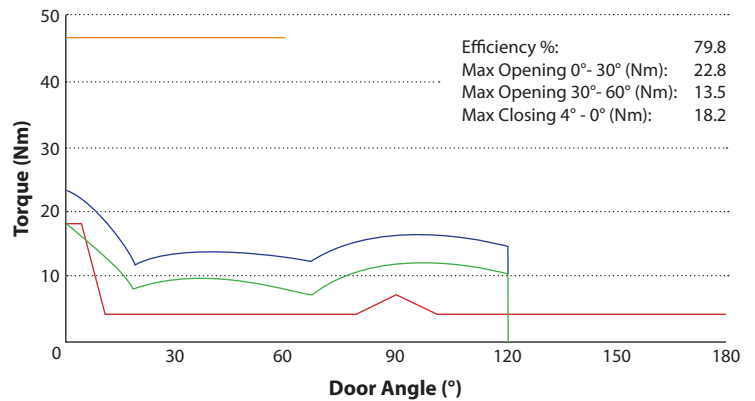
FD30/60/120



FD120/240



- Max Closing Moment (EN)
- Opening Moment
- Closing Moment
- Min Closing Moment (EN)



The DCC2024CF concealed door closer has an opening force (0-30°) less than 30N when fitted to a minimum width door of 760mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 600mm tested in laboratory conditions. Therefore the suitable width of door for the DCC2024CF concealed door closer fixed in the above fixing position is 760mm.

Specification	Accessories	Finishes	Suitable Environments
<ul style="list-style-type: none"> ■ Closing Force EN Size 2-4 ■ Efficiency 79% ■ Max Door Width 1100mm ■ Max Weight 80Kg ■ Angle of Opening Max 120° ■ Suitable for LH/RH Use ■ Power Adjustment by Spring ■ Adjustable Closing Speed ■ Adjustable Latching Speed ■ 10 Year Mechanical Guarantee ■ Accessory Packs Available ■ Slide Channel ■ Slimline Body ■ Meets recommendations of BS 8300 and Approved Document M 	<p>Arm Only</p> <p>EBP DCX2002/EBP</p> <p>PNP DCX2002/PNP</p> <p>SNP DCX2002/SNP</p> <p>Intumescent Pack</p> <p>INT2024</p>	<p>EBP</p> <p>PNP</p> <p>SNP</p>	



1121 - CPD - AD5036	12					
EN 1154:1996 + A1:2002 + AC:2006	3	8	3	1	1	3



APPROVED PRODUCT
CF5087



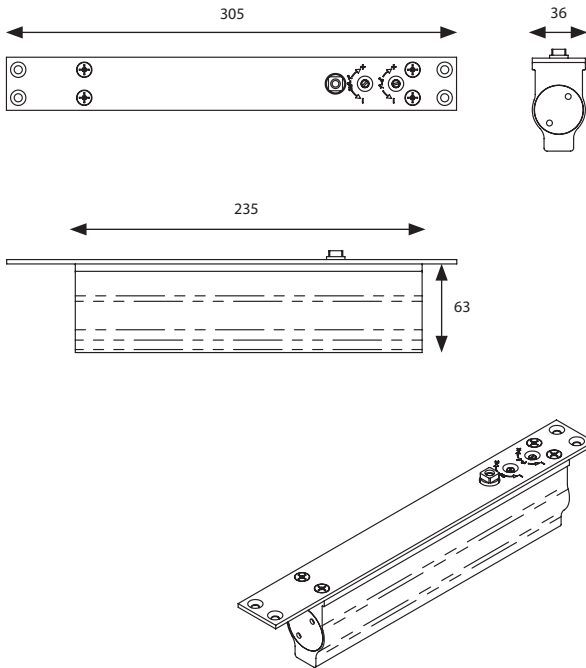
BS EN 1154



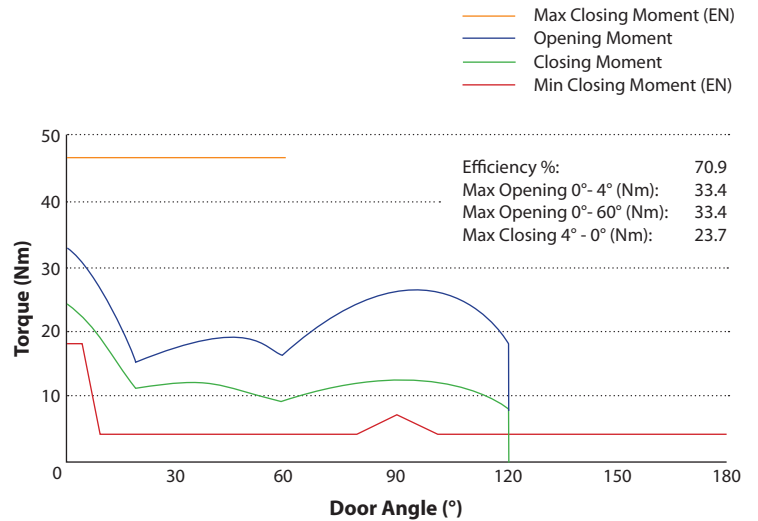
FD30/60/120



FD120/240



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The DCC2003CF surface mounted H.E door closer has an opening force (0-30°) less than 33N when fitted to a minimum width door of 797mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 600mm tested in laboratory conditions. Therefore the suitable width of door for the DCC2003CF surface mounted H.E door closer fixed in the above fixing position is 797mm. (Power trace taken at 0 cycles).

Specification	Accessories	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 3 Efficiency 70% Max Door Width 950mm Max Weight 60Kg Angle of Opening Max 120° Suitable for LH/RH Use Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available Slide Channel Slimline Body Meets recommendations of BS 8300 and Approved Document M 	<p>Arm Only</p> <ul style="list-style-type: none"> EBP DCX2002/EBP PNP DCX2002/PNP SNP DCX2002/SNP <p>Intumescent Pack</p> <p>INT2024/36</p>	<ul style="list-style-type: none"> EBP PNP SNP 	



1121 - CPD - AD5036	12					
EN 1154:1996 + A1:2002 + AC:2006	3	8	4 2	1	1	3



APPROVED PRODUCT
CF5087



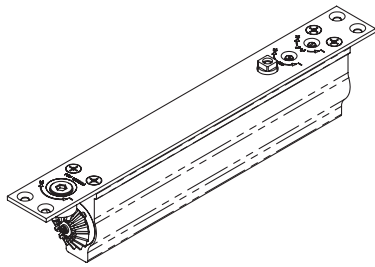
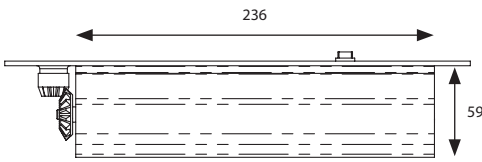
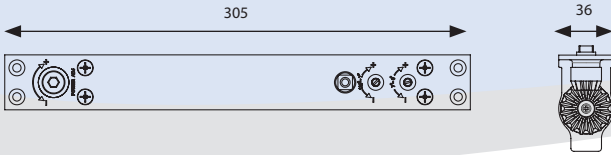
BS EN 1154



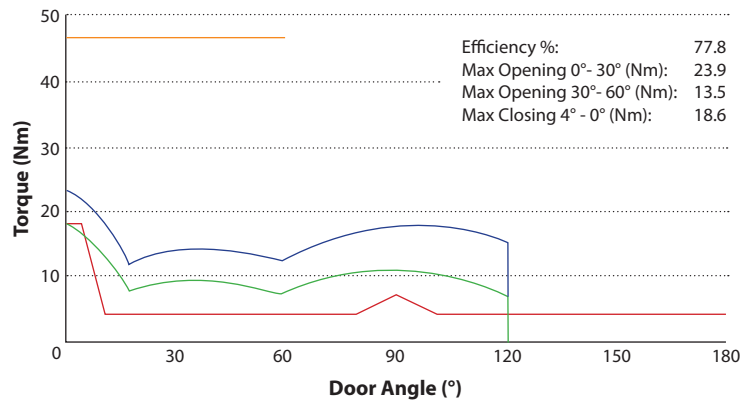
FD30/60/120



FD120/240

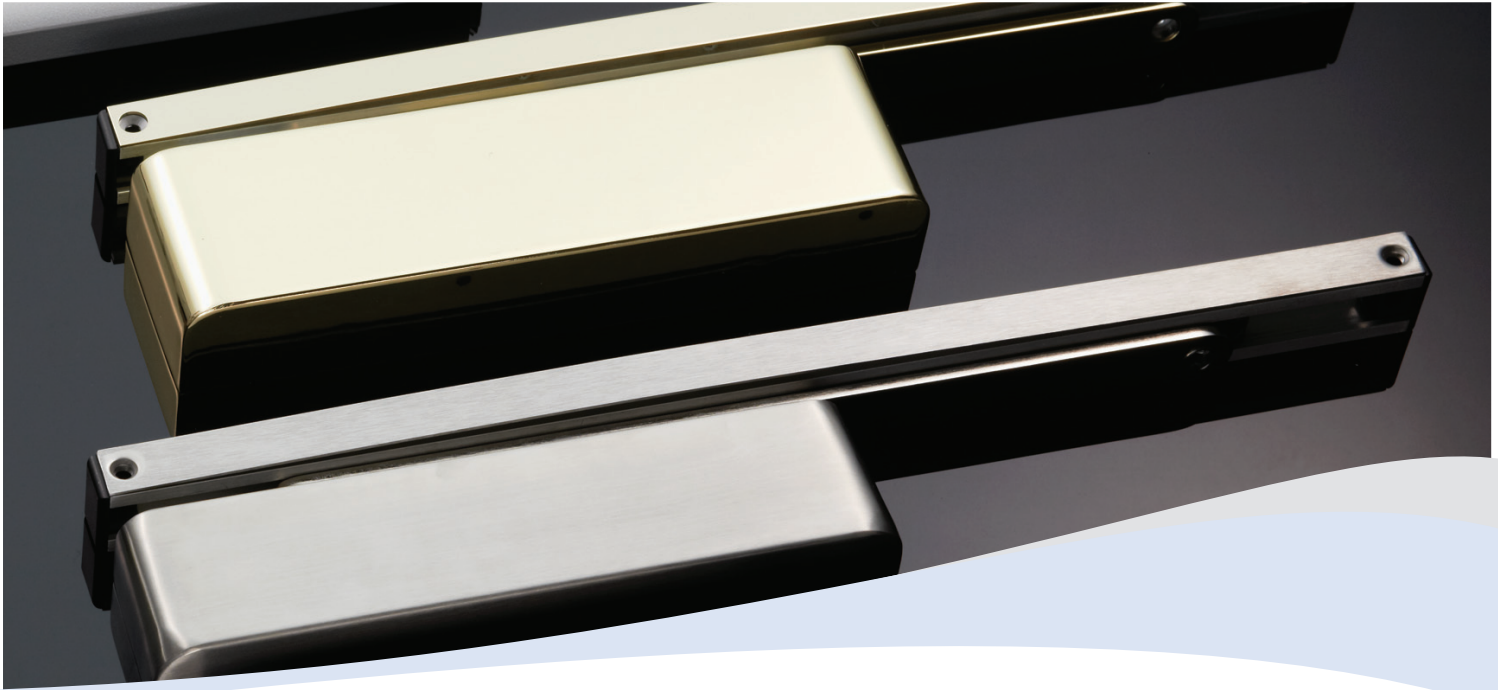


— Max Closing Moment (EN)
— Opening Moment
— Closing Moment
— Min Closing Moment (EN)




















The DCC2024CF/36 concealed door closer has an opening force (0-30°) less than 30N when fitted to a minimum width door of 797mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 600mm tested in laboratory conditions. Therefore the suitable width of door for the DCC2024CF/36 concealed door closer fixed in the above fixing position is 797mm.

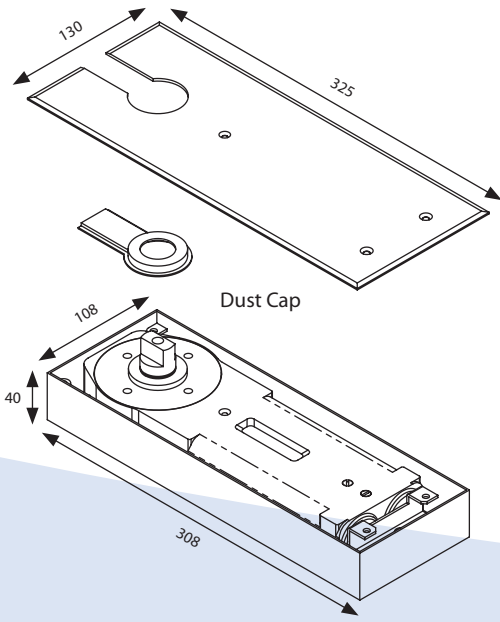
Specification	Accessories	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 2-4 Efficiency 77% Max Door Width 1100mm Max Weight 80Kg Angle of Opening Max 120° Suitable for LH/RH Use Power Adjustment by Spring Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available Slide Channel Meets recommendations of BS 8300 and Approved Document M 	Arm Only EBP DCX2002/EBP PNP DCX2002/PNP SNP DCX2002/SNP Intumescent Pack INT2024/36	<ul style="list-style-type: none"> EBP PNP SNP 	
























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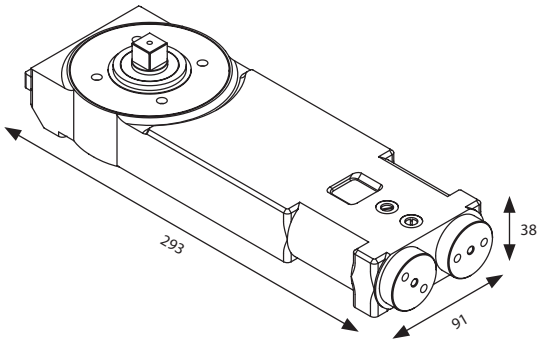
Product	Finishes	Product	Finishes
DCX2002 Plated Arm to suit: DCC2024SM & DCC2024SM36 DCC2003SM DCC2024CF & DCC2024CF36	 EBP  PNP  SNP	DCX2003 Chanel Forend to suit: DCC2024SM & DCC2024SM36 DCC2003SM DCC2024CF & DCC2024CF36	 BSS  PVD  SSS
			

Product	Finishes	Product	Finishes
DCX3202/36 Door Closer Cover to suit: DCC2024SM/36 DCC2003SM/36	 EBP  PNP  SNP  SV	DCX3202 Door Closer Cover to suit: DCC2024SM	 EBP  PNP  SNP  SV
			

















DCFS150/EN3 105Kg DA Floor Spring	Accessories	Finishes	Suitable Environments																		
<ul style="list-style-type: none"> Closing Force EN Size 3 Max Door Width 950mm Max Weight 105Kg Angle of Opening Max 120° Suitable for LH/RH Use Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Intumescent Pack INT2500 Available <div style="display: flex; justify-content: space-around; align-items: center;"> <table border="1" style="font-size: 8px;"> <tr><td colspan="6">1121 - CPD - AD5037</td></tr> <tr><td colspan="6">EN 1154:1996 + A1:2002 + AC:2006</td></tr> <tr><td>3</td><td>8</td><td>3</td><td>1</td><td>1</td><td>3</td></tr> </table> <div style="text-align: center;">     </div> </div>	1121 - CPD - AD5037						EN 1154:1996 + A1:2002 + AC:2006						3	8	3	1	1	3	<p>Left Hand Accessory Packs</p> <p>BSS DCXF105L/BSS PVD DCXF105L/PVD SSS DCXF105L/SSS</p> <p>Right Hand Accessory Packs</p> <p>BSS DCXF106R/BSS PVD DCXF106R/PVD SSS DCXF106R/SSS</p> <p>Cover Plates</p> <p>BSS DCXF107BSS PVD DCXF107PVD</p> <p>Interchangable Spindles</p> <p>5mm DCXF108A 10mm DCXF108B 15mm DCXF108C 20mm DCXF108D 25mm DCXF108E 30mm DCXF108F</p>	<p>  BSS  PVD  SSS </p>	<div style="display: grid; grid-template-columns: 1fr 1fr; gap: 10px;">      </div>
1121 - CPD - AD5037																					
EN 1154:1996 + A1:2002 + AC:2006																					
3	8	3	1	1	3																

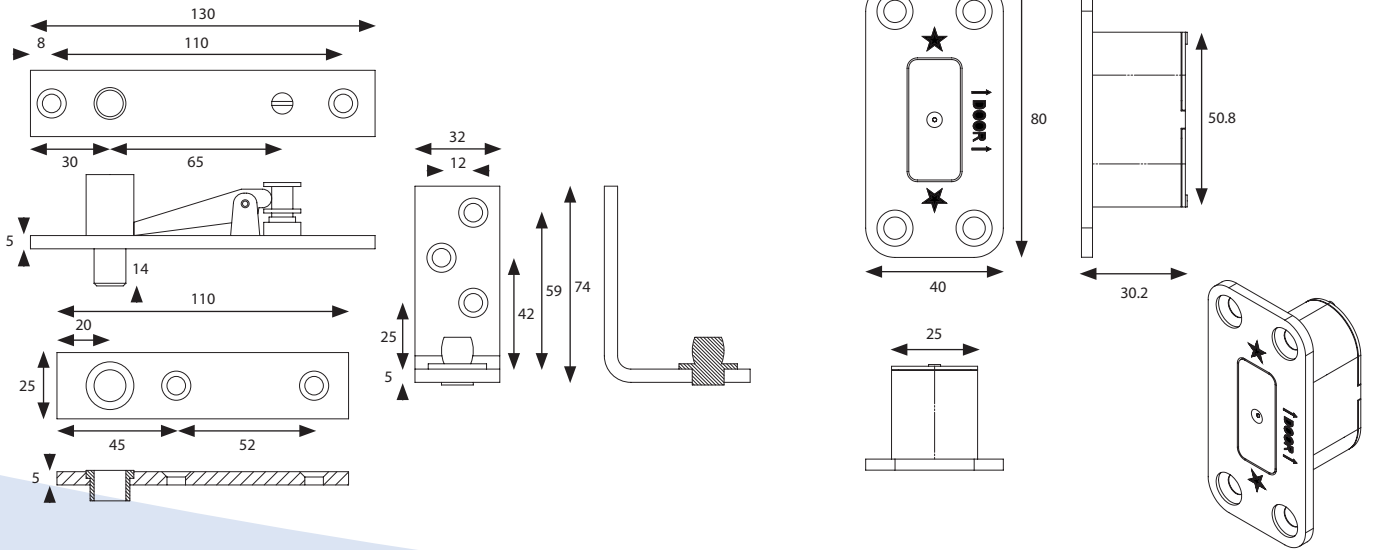
DCFS250/EN4 150Kg DA Floor Spring	Accessories	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 4 Max Door Width 1100mm Max Weight 150Kg Angle of Opening Max 120° Suitable for LH/RH Use Adjustable Closing Speed Adjustable Latching Speed 10 Year Mechanical Guarantee Accessory Packs Available <div style="text-align: center;">  </div>	<p>Left Hand Accessory Packs</p> <p>BSS DCXF105L/BSS PVD DCXF105L/PVD SSS DCXF105L/SSS</p> <p>Right Hand Accessory Packs</p> <p>BSS DCXF106R/BSS PVD DCXF106R/PVD SSS DCXF106R/SSS</p> <p>Cover Plates</p> <p>BSS DCXF107BSS PVD DCXF107PVD</p> <p>Interchangable Spindles</p> <p>5mm DCXF108A 10mm DCXF108B 15mm DCXF108C 20mm DCXF108D 25mm DCXF108E 30mm DCXF108F</p>	<p>  BSS  PVD  SSS </p>	<div style="display: grid; grid-template-columns: 1fr 1fr; gap: 10px;">      </div>



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DCTS100/EN3	Accessories	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 3 Efficiency 63% Max Door Width 950mm Max Weight 105Kg Angle of Opening Max 130° Suitable for LH/RH Use Adjustable Closing Speed Adjustable Latching Speed 2 Year Mechanical Guarantee HO90 Mechanism Only Version Available DCTS100/EN3/HO 	Side Load Accessory Pack DCXT100/SL	 SV	    

DCTS150/EN4	Accessories	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 4 Efficiency 63% Max Door Width 1100mm Max Weight 150Kg Angle of Opening Max 130° Suitable for LH/RH Use Adjustable Closing Speed Adjustable Latching Speed 2 Year Mechanical Guarantee HO90 Mechanism Only Version Available DCTS150/EN4/HO 	Side Load Accessory Pack DCXT100/SL	 SV	    



H2N1900 Thrust Bearing Pivot Set	Finishes	Suitable Environments
<ul style="list-style-type: none"> ■ Radius Version Available H2N1900/R ■ Max Weight 80Kg (Frame/Wall Mounted) ■ Max Weight 120Kg (Floor Mounted) ■ Stainless Steel Construction ■ Phosphor Bronze Thrust Bearing ■ 10 Year Mechanical Guarantee ■ Suitable for use in hospital/ disabled toilets  	<p>SSS</p>	

H2N1950 Emergency Release Door Stop	Finishes	Suitable Environments
<ul style="list-style-type: none"> ■ Secure (Pin-Lok) Release ■ Stainless Steel Construction ■ 10 Year Mechanical Guarantee ■ Suitable for use in hospital/ disabled toilets  	<p>SSS</p>	

BS EN 1155:1997 is the European standard for controlled door closing devices and, as such, tests mechanical door closer performance. Adopted by EU member states, it became a mandatory requirement for CE marking in 2004. It prescribes the test methodology and subsequent classification of randomly selected production line products. The test data, together with supporting technical evaluation, results in a classification code. This coding allows comparison across a range of closers according to their compliance with the standard.

Electrically powered hold open devices for fire doors are covered by a Constructive Products Directive mandate. Compliance with BS EN 1155:1997, supported by suitable evidence, therefore allows the application of the CE mark. All conforming door closers consequently will be marked with their BS EN 1155:1997 coding and details of the notified certification body.

Door controls with electrical components, such as electromagnetic hold open devices, must also satisfy the requirements of both BS EN 1154:1996 and the supplementary standard, BS EN 1155:1997 for electrically controlled door operators.

Door Size/Mass

Five door mass grades and related hold-open power sizes are identified according to Table 1 of this European standard. Where an electrically powered hold-open device is suitable for a range of door closers power sizes, both the minimum and maximum power sizes should be shown.

Category of Use

Only one category of use is identified for electrically powered hold-open devices. Grade 3 - For doors for use by the public, and others with little incentive to take care. i.e. where there is some chance of misuse of the door. *Note:* For electrically powered hold-open and free-swing door closers, where the opening angle is limited by the device, provision of a separate door stop should be used.

Table 1

Closer Size	Max Door Size
3	950mm - 60Kg
4	1100mm - 80Kg
5	1250mm - 100Kg
6	1400mm - 120Kg
7	1600mm - 160Kg

Corrosion Resistance

A salt spray test to ascertain corrosion resistance thereby establishing suitability for use in varying environmental conditions. Five grades are identified from 0 (no identified resistance) to 4 (very high resistance). All Carlisle Brass closers achieve at least Grade 3 and are suitable for use in wet, polluted environments and most exterior applications.



Test Cycles

Two test durations are identified for devices manufactured to this European standard. Grade 5 - 50,000 test cycles. For all electrically powered hold-open devices. Grade 8 - 500,000 test cycles. For all electrically powered hold-open and free-swing door closers and devices that contain operating arms.

Safety

Electrically powered hold-open devices are required to satisfy the Essential Requirement of safety in use. Therefore only grade 1 is identified.

Fire Resistance

Only one grade of fire resistance is identified for electrically powered hold-open devices manufactured to this European standard: Grade 1 - Suitable for use on fire/smoke door assemblies subject to satisfactory assessment of the contribution of the electrically powered hold-open device to the fire resistance of specified fire/smoke door assemblies.

ENDUROMAX DCCEM3024

Electromagnetic HO/FS Door Closer Variable Power Size 2-4



1121 - CPD - AD0191	08					
EN 1154:1996 + A1:2002 + AC:2006	3	8	4 2	1	1	3



BS EN 1155

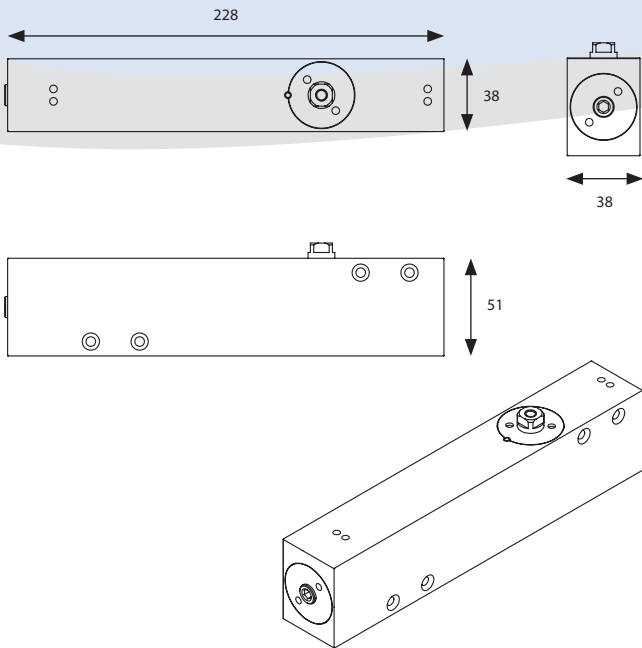
EN 1155:1997 + A1:2002 + AC:2006	3	8	4 3	1	1	3
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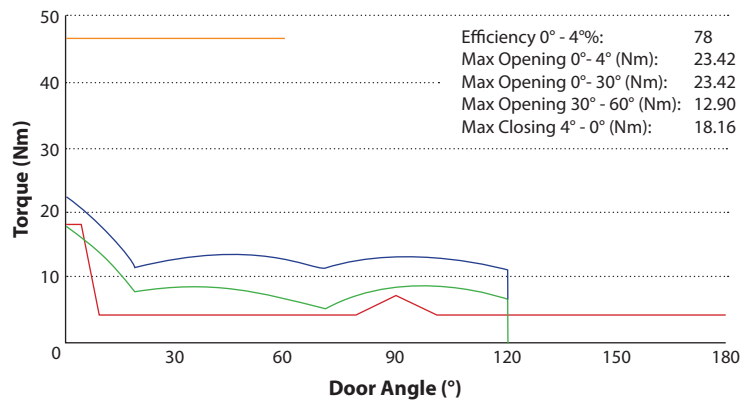
BS EN 1154



FD30/60/120



— Max Closing Moment (EN)
— Opening Moment
— Closing Moment
— Min Closing Moment (EN)



The DCCEM3024 surface mounted H.E door closer has an opening force (0-30°) less than 30N when fitted to a minimum width door of 781mm, and has an opening force (30-60°) less than 22.5N when fitted to a minimum width door of 573mm tested in laboratory conditions. Therefore the suitable width of door for the DCCEM3024 surface mounted H.E door closer fixed in the above fixing position is 781mm.

Specification	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 2-4 Efficiency 78% Max Door Width 1100mm Max Weight 80Kg Angle of Opening Max 120° Suitable for LH/RH Use Power Adjustment by Spring Adjustable Closing Speed Adjustable Latching Speed 2 Year Electrical Guarantee 10 Year Mechanical Guarantee Slide Channel Meets recommendations of BS 8300 and Approved Document M 	<ul style="list-style-type: none"> BSS SS SV 	



BS EN 1155



BS EN 1154



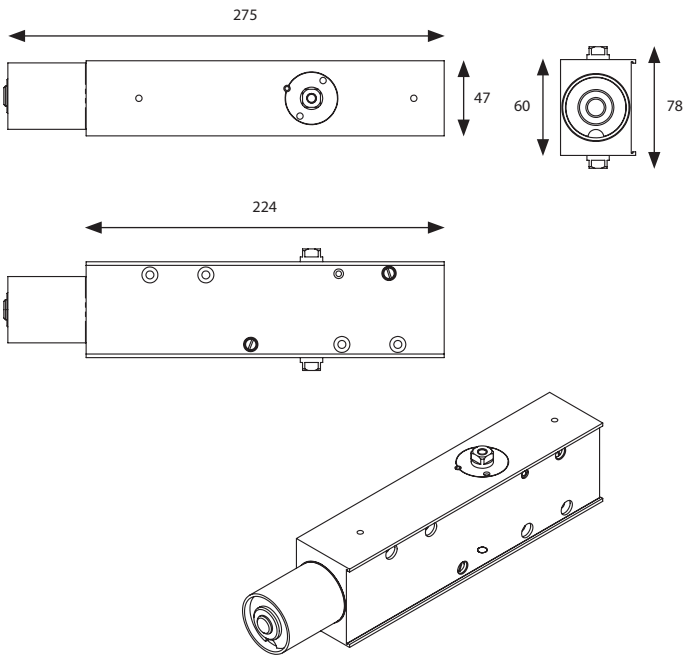
FD30/60/120



1121 - CPD - AE5001	12					
EN 1154:1996 + A1:2002 + AC:2006	3	8	3	1	1	3
EN 1155:1997 + A1:2002 + AC:2006	3	8	3	1	1	3



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Specification	Finishes	Suitable Environments
<ul style="list-style-type: none"> Closing Force EN Size 3 Max Door Width 950mm Max Weight 60Kg Angle of Opening Max 170° Suitable for LH/RH Use Hold Open Swing Free Arm Included Adjustable Closing Speed Adjustable Latching Speed 2 Year Electrical Guarantee 10 Year Mechanical Guarantee Meets recommendations of BS 8300 and Approved Document M 	<ul style="list-style-type: none"> EB PC SS SV 	

ENDUROMAX DCEM2004

Electromagnetic HO/FS Door Closer Fixed Power Size 4



BS EN 1155



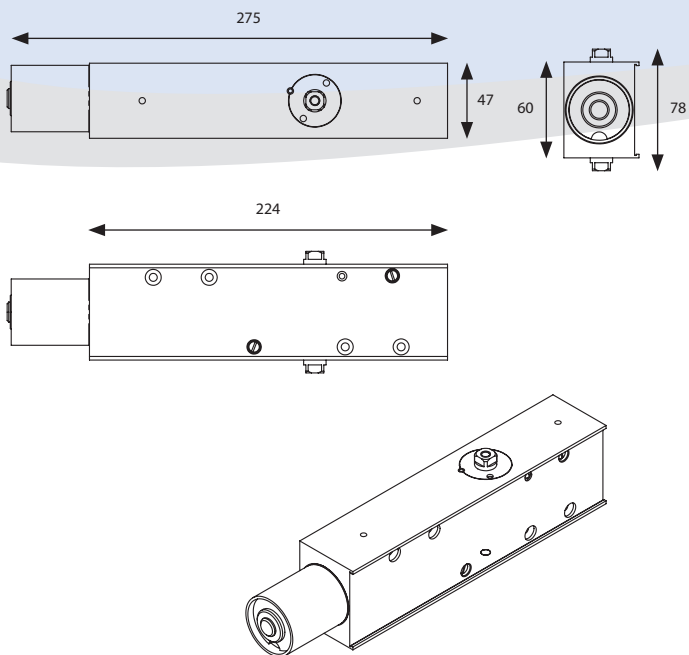
BS EN 1154



FD30/60/120



1122 - CPD - AE5001	12					
EN 1154:1996 + A1:2002 + AC:2006	3	8	4	1	1	3
EN 1155:1997 + A1:2002 + AC:2006	3	8	4	1	1	3



Specification

- Closing Force EN Size 4
- Max Door Width 1100mm
- Max Weight 80Kg
- Angle of Opening Max 170°
- Suitable for LH/RH Use
- Hold Open Swing Free Arm Included
- Adjustable Closing Speed
- Adjustable Latching Speed
- 2 Year Electrical Guarantee
- 10 Year Mechanical Guarantee
- Meets recommendations of BS 8300 and Approved Document M

Finishes




- EB
- PC
- SS
- SV





Suitable Environments





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Product	Finishes	Product	Finishes
DEFB100 Floor Mounting Bracket	 SV	DEM100F Flush Mounted Wall Magnet	 SS  SV

Product	Finishes	Product	Finishes
DEM100S Surface Mounted Wall Magnet 	 SS  SV	PSUA8/WHT 1 Amp 24v DC Power Supply Unit Optional Special Order Only: 3 Amp PSUA8/3/WHT 5 Amp PSUA8/5/WHT * see page 28 for technical details.	 WHT

Transformer Rectifiers Explained...

PSUA8/WHT = 1 Amp

Will power upto 6 units when using 1.5mm wire or will power upto 8 units when using 2.5mm wire

Rating: 1A@24v dc
Input Voltage: 240AC, 230AC
Output Volts: 24v dc
Floating Voltage: 27.4 - 29.0

PSUA8/3/WHT = 3 Amp*

Will power upto 18 units when using either 1.5mm or 2.5mm wire.

Rating: 3A@24v dc
Input Voltage: 240AC, 230AC
Output Volts: 24v dc
Floating Voltage: 27.4 - 29.0

*Special Order Only

PSUA8/5/WHT = 5 Amp*

Will power upto 44 units when using 1.5mm wire or will power upto 50 units when using 2.5mm wire.

Rating: 5A@24v dc
Input Voltage: 240AC, 230AC
Output Volts: 24v dc
Floating Voltage: 27.4 - 29.0

*Special Order Only

NOTE:

50 metre max total cable length from power supply unit for above calculations.

As a guideline e.g if using 100m of cable, reduce the amount of unit coverage by 50%.

Transformer Rectifiers 24V DC

Our range of Transformer Rectifiers are designed for our DCEM range of Electronic door closers where a smooth 24v dc supply is required. Each power supply features full monitoring of all circuitry with fault conditions displayed by means of a single yellow LED indicator.

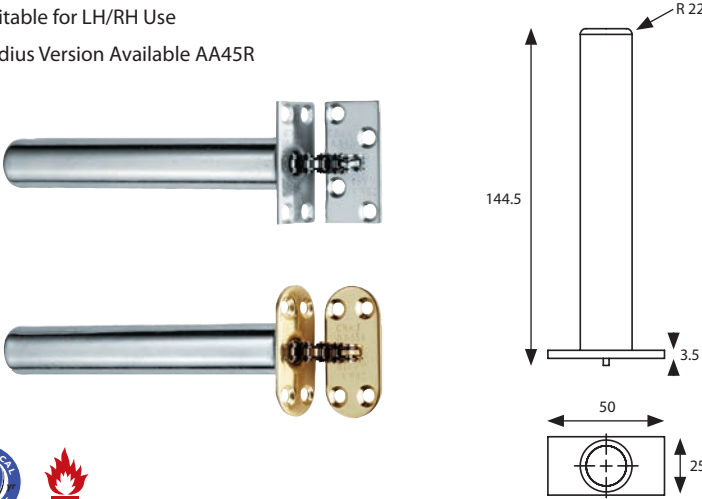


The Transformer Rectifiers will also monitor mains fail and output fuse fail. The output voltage is regulated throughout the Transformer Rectifier range and all models are able to supply full rated output.

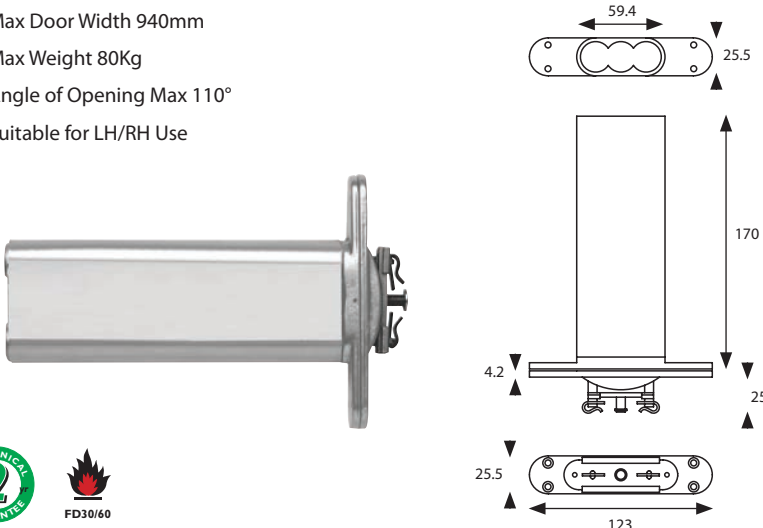



Our Transformer Rectifiers have a relay fitted which controls the output in either energised or de energised state through two methods of switching. The relay can be triggered by either applying 24v to coil from a remote source or through the use of a remote volt free switch connected to the "THRU LINK" terminals. The relay can be operated by any external switching source such as a fire alarm panel or other control system.





Our Transformer Rectifiers also feature the incorporation of an additional fault relay which can be used to signal the power supply status to a remote monitoring system, remote indicator or buzzer unit. In addition the relay can also be used to provide an input to an addressable switch monitor in order to make the Transformer an integral part of any addressable system.

All Transformer Rectifiers we supply carry the CE mark and are fully compliant with the LVD9 Low Voltage Directive.

- Fully compliant with LVD9 low voltage directive.
- CE marking.
- Suitable for all options of fire alarm systems.
- In-built relay.
- "THRU LINK" terminals to suit older fire alarm systems.

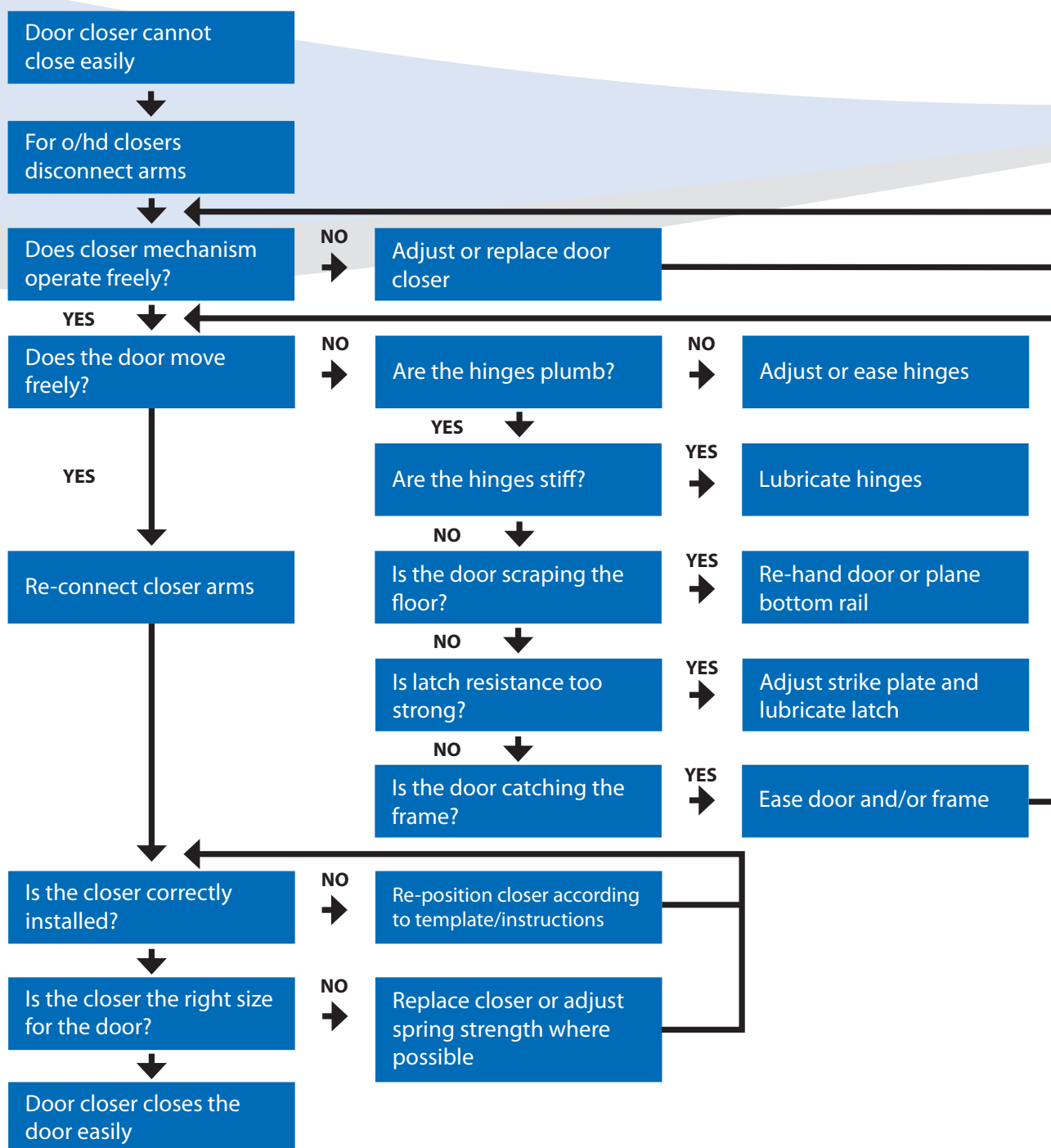
<p>AA45 Concealed Chain Spring Door Closer</p> <ul style="list-style-type: none"> Suitable for LH/RH Use Radius Version Available AA45R  	<p>Finishes</p> <ul style="list-style-type: none"> CP PB SC 	<p>Suitable Environments</p> 
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<p>CDC85/R Adjustable Jamb Mounted Door Closer</p> <ul style="list-style-type: none"> Max Door Width 940mm Max Weight 80Kg Angle of Opening Max 110° Suitable for LH/RH Use  	<p>Finishes</p> <ul style="list-style-type: none"> SC 	<p>Suitable Environments</p>  
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<p>CDQ003 Contract Overhead Door Closer Fixed Power Size 3</p> <ul style="list-style-type: none"> Closing Force EN Size 3 Efficiency 66% Max Door Width 950mm Max Weight 60Kg Angle of Opening Max 180° Suitable for LH/RH Use Adjustable Closing Speed Adjustable Latching Speed 2 Year Mechanical Guarantee Accessory Packs Available <table border="1" data-bbox="550 1624 938 1702"> <thead> <tr> <th colspan="6">BS EN 1154:1996 - Fig 1 Fitting</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>8</td> <td>3</td> <td>1</td> <td>1</td> <td>3</td> </tr> </tbody> </table> <table border="1" data-bbox="550 1724 938 1803"> <thead> <tr> <th colspan="6">BS EN 1154:1996 - Fig 6 Fitting</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>8</td> <td>3</td> <td>1</td> <td>1</td> <td>3</td> </tr> </tbody> </table>  	BS EN 1154:1996 - Fig 1 Fitting						4	8	3	1	1	3	BS EN 1154:1996 - Fig 6 Fitting						4	8	3	1	1	3	<p>Finishes</p> <ul style="list-style-type: none"> SV 	<p>Suitable Environments</p>  
BS EN 1154:1996 - Fig 1 Fitting																										
4	8	3	1	1	3																					
BS EN 1154:1996 - Fig 6 Fitting																										
4	8	3	1	1	3																					

Troubleshooting and Maintenance

1. Check that all instructions provided by the manufacturer are adhered to and that the door closer closes the door correctly.
2. Ensure that all fixing screws, including the connection of arm to body are tight.
3. Check the spring strength is set correctly and adjust if necessary.
4. Perform checks on any controls relating to delay, closing speed, latching action and back check, and adjust as required.
5. Lightly lubricate arm joints and rollers with light oil or grease.
6. Ensure that at all times, care and maintenance are carried out by competent personnel and that records are kept.
7. Use chart below as a guide to checking your doorset.

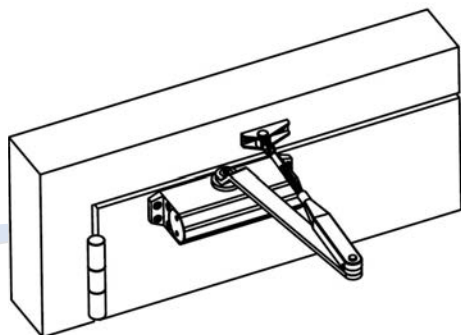


Fitting Applications

Our comprehensive range of Enduro and Enduromax door closers all come with detailed fitting instructions and technical information.

The three common ways to fit surface mounted overhead closers are as follows. The full range of fitting instructions in PDF format can be obtained from www.carlislebrass.com

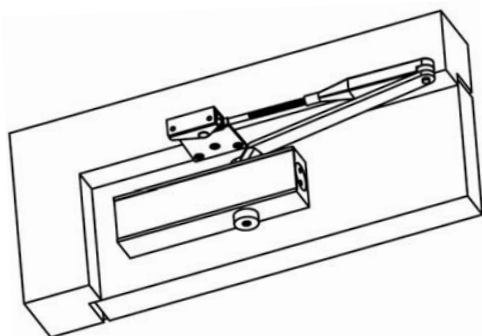
Figure 1 (Fig 1) Straight Arm ; Standard Application



The closer is mounted on the pull side of the door with the arm fixed to the frame on the hinge knuckle side of the door.

Door Application: Offices, stores, toilets etc, where doors open into areas which are usually small.

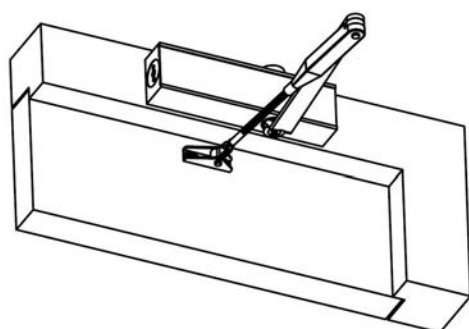
Figure 66 (Fig 66) (Fig 6) Parallel Arm Application



The closer is mounted on the push side of the door and the arm is fixed to the Figure 66 bracket, parallel to the door on the opposite side of the door to the hinge knuckle.

Door Applications: Doors opening outwards to exterior, where aesthetics or space mean Figure 1 cannot be used.

Figure 61 (Fig 61) Transom Mounted Application



The closer is mounted on the push side of the frame over the door and the arm is fixed to the door on the opposite side to the hinge knuckle.

Door Applications: Doors where there is insufficient material in the top rail to allow the closer to be fitted on glazed doors with insufficient fixing for closer body.

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Notes



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