CI/SfB 49 September 2007

silver

silver



D&E NHN 80 series door closer

The D&E NHN 80 series of door closer is a range of fixed sized door closer designed to meet the highest of standards. It has successfully been type tested to BS EN 1154: 1997 and BS EN 1634-1:2000 and is accredited with CE certification.

| er, suitable for use on doors 15 - 40Kgs. | |
|--|--|
| fig. 1 / std arm door closer | silver |
| fig. 1 / std arm door closer with H/O | silver |
| fig. 1 / std arm door closer with DA | silver |
| fig. 1 / std arm door closer with BC | silver |
| | |
| fig. 6 / parallel arm door closer | silver |
| fig. 6 / parallel arm door closer with H/O | silver |
| fig. 6 / parallel arm door closer with DA | silver |
| fig. 6 / parallel arm door closer with BC | silver |
| | fig. 1 / std arm door closer fig. 1 / std arm door closer with H/O fig. 1 / std arm door closer with DA fig. 1 / std arm door closer with BC fig. 6 / parallel arm door closer fig. 6 / parallel arm door closer with H/O fig. 6 / parallel arm door closer with DA |

| Size 2 door closer, DES02 DES12 DES22 DES32 | suitable for use on doors 25 - 45Kgs. fig. 1 / std arm door closer fig. 1 / std arm door closer with H/O fig. 1 / std arm door closer with DA fig. 1 / std arm door closer with BC | silver silver silver |
|---|---|--|
| DEGGE | ng. 17 old dim door olddor with 20 | 011101 |
| DEP02 DEP02W DEP02WL DEP12 DEP22 | fig. 6 / parallel arm door closer fig. 6 / parallel arm door closer fig. 6 / L-shape bracket arm door closer fig. 6 / parallel arm door closer with H/O fig. 6 / parallel arm door closer with DA | silver white* white* silver silver |
| DEP32 | fig. 6 / parallel arm door closer with BC | silver |

| DEU02 | universal door closer | silver / black arm |
|--------|-----------------------|--------------------|
| DEU02S | universal door closer | silver |
| DEG02 | slide arm door closer | silver |

slide arm door closer with H/O



DEG12

| DES13 | | . 1 / std arm door closer . 1 / std arm door closer with H/O | silver |
|--------|--------------|---|--------|
| DES23 | | . 1 / std arm door closer with DA | silver |
| DES33 | | . 1 / std arm door closer with BC | silver |
| | J | | |
| DEP03 | fig | . 6 / parallel arm door closer | silver |
| DEP03W | fig | . 6 / parallel arm door closer | white* |
| DEP03W | <u>L</u> fig | . 6 / L-shape bracket arm door closer | white* |
| DEP13 | fig | . 6 / parallel arm door closer with H/O | silver |
| DEP23 | fig | . 6 / parallel arm door closer with DA | silver |
| DEP33 | fig | . 6 / parallel arm door closer with BC | silver |
| | | | |

| DEU03 | universal door closer | silver / black arm |
|--------|-----------------------|--------------------|
| DEU03S | universal door closer | silver |
| | | |

DEG03 slide arm door closer silver slide arm door closer with H/O DEG13 silver



Model shown is the NHN 83V 2-4 variable door closer See page D-1003 for details



| CI/SfB | | |
|--------|----------|--|
| 31 | 49 | |
| Septem | ber 2007 | |

silver





Model shown is the NHN 83V 2-4 variable door closer See page D-1003 for details

Sales: 01733 896123

| Size 4 door closer, DES04 DES14 DES24 DES34 | suitable for use on doors 55 - 85Kgs. fig. 1 / std arm door closer fig. 1 / std arm door closer with H/O fig. 1 / std arm door closer with DA fig. 1 / std arm door closer with BC | silver silver silver |
|---|--|----------------------------|
| DEP04 | fig. 6 / parallel arm door closer | silver |
| DEP14 | fig. 6 / parallel arm door closer with H/O | silver |
| DEP24 | fig. 6 / parallel arm door closer with DA | silver |
| DEP34 | fig. 6 / parallel arm door closer with BC | silver |
| DEU04S | universal door closer | silver |
| DEG04 | slide arm door closer | silver |
| DEG14 | slide arm door closer with H/O | silver |

| Size 5 door closer, | suitable for use on doors 80 - 120Kgs. | |
|---------------------|--|--------|
| DES05 | fig. 1 / std arm door closer | silver |
| DES15 | fig. 1 / std arm door closer with H/O | silver |
| DES25 | fig. 1 / std arm door closer with DA | silver |
| DES35 | fig. 1 / std arm door closer with BC | silver |
| | | |
| DEP05 | fig. 6 / parallel arm door closer | silver |
| DEP15 | fig. 6 / parallel arm door closer with H/O | silver |
| DEP25 | fig. 6 / parallel arm door closer with DA | silver |
| DEP35 | fig. 6 / parallel arm door closer with BC | silver |
| | . | |
| DFG05 | slide arm door closer | silver |

slide arm door closer with H/O

| Size 6 door closer, | suitable for use on doors 100 - 140Kgs. | |
|---------------------|--|--------|
| DES06 | fig. 1 / std arm door closer | silver |
| DES16 | fig. 1 / std arm door closer with H/O | silver |
| DES26 | fig. 1 / std arm door closer with DA | silver |
| DES36 | fig. 1 / std arm door closer with BC | silver |
| DEDOG | fig. 6 / parallal arm door closer | oilvor |
| DEP06 | fig. 6 / parallel arm door closer | silver |
| DEP16 | fig. 6 / parallel arm door closer with H/O | silver |
| DEP26 | fig. 6 / parallel arm door closer with DA | silver |
| DEP36 | fig. 6 / parallel arm door closer with BC | silver |
| DEG06 | slide arm door closer | silver |
| | | |
| DEG16 | slide arm door closer with H/O | silver |

^{*} finish is subject to quantity

DEG15

Covers to suit any of these models page D-1006



CI/SfB 31 49 September 2007



D&E NHN 83V door closer

The D&E NHN - 83V door closer is a multi-size 2-4 door closer. It has successfully been type tested to BS EN 1154: 1997 and BS EN 1634-1:2000 and is accredited with CE certification.

| DE83V DE83VW DE83V-GL | universal door closer universal door closer slide arm door closer | silver white* silver |
|------------------------------------|--|----------------------------|
| DE183V-UCB DE183VW DE183V-GL | universal door closer with H/O universal door closer with H/O slide arm door closer with H/O | silver white* silver |
| DE1083V-UCB DE1083V-GL | universal door closer with BC slide arm door closer with BC | silver silver |
| DE1183V-UCB DE1183V-GI | universal door closer with BC & H/O slide arm door closer with BC & H/O | silver silver |

Power adjustment: variable via a 5mm hex key.

Door weight: 40 - 80 Kgs.

Door width: 850 - 1100mm.

Supplied complete with fixing screws for timber and steel doors and full installation instructions.

Covers to suit any of these models page D-1006



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Fax: 01733 894466

E&OE

^{*} finish is subject to quantity

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| 31 | 49 | | |
| September 2007 | | | |



D&E NHN 82TC door closer

The D&E NHN - 82TC is a multi-size 2-3 door closer supplied with a silver cover as standard. It has successfully achieved BS EN 1634-1:2000.

DE82TC std arm door closer silver

DE82TC-UCB universal door closer silver

Power adjustment: by templating.

Door weight: 40 - 60 Kgs.

Door width: 850 - 950mm.

Supplied complete with fixing screws for timber and steel doors and full installation instructions.

Alternative covers to suit any of these models page D-1006





D&E NHN 8080 series - DDA door closer

CI/SfB
31 49 September 2007





D&E NHN 8080 door closer

The D&E NHN - 8080 series is a multi-size door closer range. It has successfully achieved UL, ULC, ANSI A156.4 grade 1, ANSI A117.1 and BS EN 1634-1:2000.

The 8080 series is a 2-5 door closer.

DE8080door closer with BCsilverDE8180door closer with BC & H/OsilverDE8080Hdoor closer with BC & DAsilver

DE8080-GLslide arm door closer with BCsilverDE8180-GLslide arm door closer with BC & H/OsilverDE8080H-GLslide arm door closer with BC & DAsilver

Power adjustment: variable via a 5mm hex key.

Door weight: up to 120 Kgs for std arm

up to 90 Kgs for slide arm

Door width: 750 - 1200mm.

The 8080BF series is a barrier free door closer sizes 1-4 door closer.

DE8080BFbarrier free door closer with BCsilverDE8180BFbarrier free door closer with BC & H/OsilverDE8080BFHbarrier free door closer with BC & DAsilver

DE8080BF-GLslide arm barrier free door closer with BCsilverDE8180BF-GLslide arm barrier free door closer with BC & H/OsilverDE8080BFH-GLslide arm barrier free door closer with BC & DAsilver

Power adjustment: variable via a 5mm hex key.

Door weight: up to 85 Kgs for std arm

up to 70 Kgs for slide arm

Door width: 800 - 1200mm.



Supplied complete with fixing screws for timber and steel doors and full installation instructions.

Covers to suit any of these models page D-1006



D&E NHN 'Hi-Finish' accessories

CI/SfB 31 49 September 2007

pol. brass finish

pol. brass finish

pol. chrome

pol. chrome







D&E NHN door closer covers

The D&E **XMC** series door closer cover to suit door closers sizes 81, 82, 83, 82TC and 83V ranges. The clip on facility offers a fast and effective method of fixing.

| DE <i>XMCS</i> | door closer cover | silver |
|-----------------|-------------------|--------------------|
| DE <i>XMCPC</i> | door closer cover | pol. chrome finish |
| DE <i>XMCPG</i> | door closer cover | pol. brass finish |
| DEXMCSC | door closer cover | sat. chrome finish |
| DE <i>XMCSS</i> | door closer cover | SSS finish |
| DEXMC/RAL | door closer cover | RAL finish* |

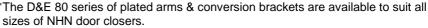
^{*}RAL finish is subject to quantity

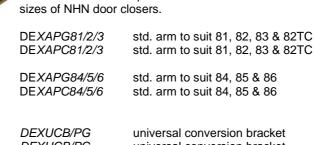
The D&E **8080C** series door closer cover are suitable for all door closers within the 80 series and 8080 series of NHN door closers. These covers are secured in place by screws to prevent unwanted adjustment or vandalism of the closer body.

| DE <i>8080</i> CS | door closer cover | silver |
|-------------------|-------------------|--------------------|
| DE8080CPC | door closer cover | pol. chrome finish |
| DE8080CPG | door closer cover | pol. brass finish |
| DE8080CSC | door closer cover | sat. chrome finish |
| DE8080CSS | door closer cover | SSS finish |
| DE8080/RAL | door closer cover | RAL finish* |
| | | |

^{*} RAL finish is subject to quantity

D&E NHN 80 series "hi-finish" plated arms





| DEXUCB/PG | universal conversion bracket | pol. brass finish |
|-----------|------------------------------|-------------------|
| DEXUCB/PC | universal conversion bracket | pol. chrome |
| | | |

| DEXAPG81/2/3P DEXAPC81/2/3P | parallel arm to suit 81P, 82P, 83P parallel arm to suit 81P, 82P, 83P | pol. brass finish pol. chrome |
|--------------------------------|---|----------------------------------|
| DEXAPG84/5/6P DEXAPC84/5/6P | parallel arm to suit 84P, 85P & 86P parallel arm to suit 84P, 85P & 86P | pol. brass finish pol. chrome |



D&E NHN 80 series accessories

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Accessories:



80 series universal conversion bracket - converts a fig. 1 / standard arm door closer into a fig. 6 parallel arm door closer.

DEXCBS universal conversion bracket silver
DEXCBB universal conversion bracket black

DEXCBPG universal conversion bracket pol. brass finish DEXCBPC universal conversion bracket pol. chrome



8080 series parallel soffit plate / bracket - converts a fig. 1 / standard arm door closer into a fig. 6 parallel arm door closer.

DE8080CBS fig 6 / parallel soffit plate / bracket silver



80 series L-shape bracket - for use when the fixing position of the soffit plate / parallel arm shoe is not suitable - prime examples of this are PVCu & aluminium frames.

DEXLBSfig 6 / L-shape bracketsilverDEXLBWfig 6 / L-shape bracketwhiteDEXLBSHOfig 6 / L-shape bracket for H/O modelsilverDEXLBWHOfig 6 / L-shape bracket for H/O modelwhite



80 series stepped soffit plate / parallel arm shoe - for use when the doors top rail is too narrow for standard soffit plate installation - mainly used on aluminium doors / frames.

DEXNHOBA112mm stepped parallel arm shoesilverDEXNHOBA217mm stepped parallel arm shoesilverDEXHOBA112mm stepped bracket for H/O modelsilverDEXHOBA217mm stepped bracket for H/O modelsilver



80 series slide arm

DEXSA81/83slide arm to suit sizes 1 - 3 incl.silverDEXSA84slide arm to suit sizes 4 - 6 incl.silverDECHOShold open device for slide armsnatural finish



8080 & 80 series drop plate - for use when the fixings for the door closer body falls below the top rail.

DE8080DPdrop plate to suit 8080 & 8080BF seriessilverDEXDP1drop plate to suit sizes 1 - 3 incl.silverDEXDP4drop plate to suit sizes 4 - 6 incl.silver



CI/SfB 31 49 September 2007









D&E NHN 400 door closer

The NHN 400 is a 2-5 variable multi-size door closer. It has successfully been type tested to EN1154:1997, EN 1634-1:2000 and is accredited with CE certification*.

Silver cover, flat arm & universal bracket

DENHN400U/SI2-5 universal door closersilverDENHN400BCU/SI2-5 universal door closer with BCsilverDENHN400HU/SI2-5 universal door closer with DAsilver

Silver cover & black flat arm & universal bracket

DENHN400U/SI/BK

DENHN400BCU/SI/BK

DENHN400HU/SI/BK

2-5 universal door closer with BC

2-5 universal door closer with BC

DENHN400HU/SI/BK

2-5 universal door closer with DA

silver / black arm

2-5 universal door closer with DA

Power adjustment: via a 5mm hex key.

Door weight: 40 - 100 Kgs.

Door width: 850 - 1250mm.

Supplied complete with fixing screws for timber and steel doors and full installation instructions.

A comprehensive range of accessories is available - please contact the sales team for any special requirements.



D&E NHN 400GL slide arm door closer

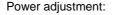
The NHN 400GL is a 2-5 variable multi-size door closer. It has successfully been type tested to EN1154:1997, EN 1634-1:2000 and is accredited with CE certification*.





Silver body & silver arm DENHN400/GL/SI DENHN400BC/GL/SI

2-5 slide arm door closer silver 2-5 slide arm door closer with BC 2-5 slide arm door closer with DA silver



DENHN400H/GL/SI

via a 5mm hex key.

Door weight:

40 - 120 Kgs.

Door width:

850 - 1250mm.



Supplied complete with fixing screws for timber and steel doors and full installation instructions.

A comprehensive range of accessories is available - please contact the sales team for any special requirements.

Sales: 01733 896123



^{*} CE certification does not apply to the DA models

D&E NHN 400 series 'Hi-Finish' door closer

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| 31 | 49 | | |
| September 2007 | | | |



D&E NHN 400 door closer - 'Hi-Finish' Range

The NHN 400 is a 2-5 variable multi-size door closer. It has successfully been type tested to EN1154:1997, EN 1634-1:2000 and is accredited with CE certification*.

'Hi-Finish' cover, flat arm & universal bracket

| DENHN400/PB | 2-5 universal door closer | pol. brass |
|--------------|---------------------------|----------------------|
| DENHN400/PNP | 2-5 universal door closer | pol. nickel plated |
| DENHN400/SNP | 2-5 universal door closer | sat. nickel plated |
| DENHN400/PSS | 2-5 universal door closer | pol. stainless steel |
| DENHN400/SSS | 2-5 universal door closer | sat. stainless steel |
| | | |

| l | DENHN400BCU/PB | 2-5 universal door closer with BC | pol. brass |
|---|-----------------|-----------------------------------|----------------------|
| l | DENHN400BCU/PNP | 2-5 universal door closer with BC | pol. nickel plated |
| 7 | DENHN400BCU/SNP | 2-5 universal door closer with BC | sat. nickel plated |
| | DENHN400BCU/PSS | 2-5 universal door closer with BC | pol. stainless steel |
| | DENHN400BCU/SSS | 2-5 universal door closer with BC | sat. stainless steel |
| | | | |

| DENHN400H/PB DENHN400H/PNP DENHN400H/SNP DENHN400H/PSS DENHN400H/SSS | 2-5 universal door closer with DA | pol. nickel plated sat. nickel plated pol. stainless steel |
|--|---|--|
| | _ 0 00.00 | can claimed cite. |





'Hi-Finish' cover, black arm & universal bracket

| TII-I IIIISII COVEI, DIACK C | iiiii & uiiivei sai biachet | |
|------------------------------|-----------------------------|-----------------|
| DENHN400/PB/BK | 2-5 universal door closer | PB / black arm |
| DENHN400/PNP/BK | 2-5 universal door closer | PNP / black arm |
| DENHN400/SNP/BK | 2-5 universal door closer | SNP / black arm |
| DENHN400/PSS/BK | 2-5 universal door closer | PSS / black arm |
| DENHN400/SSS/BK | 2-5 universal door closer | SSS / black arm |
| | | |

| DENHN400BCU/PB/BK | 2-5 universal door closer with BC | PB / black arm |
|--------------------|-----------------------------------|-----------------|
| DENHN400BCU/PNP/BK | 2-5 universal door closer with BC | PNP / black arm |
| DENHN400BCU/SNP/BK | 2-5 universal door closer with BC | SNP / black arm |
| DENHN400BCU/PSS/BK | 2-5 universal door closer with BC | PSS / black arm |
| DENHN400BCU/SSS/BK | 2-5 universal door closer with BC | SSS / black arm |

| DENHN400H/PB/BK DENHN400H/PNP/BK DENHN400H/SNP/BK | 2-5 universal door closer with DA 2-5 universal door closer with DA 2-5 universal door closer with DA | PNP / black arm |
|---|---|-----------------|
| DENHN400H/PSS/BK DENHN400H/SSS/BK | 2-5 universal door closer with DA 2-5 universal door closer with DA | PSS / black arm |

Power adjustment: via a 5mm hex key.

Door weight: 40 - 100 Kgs.

Door width: 850 - 1250mm.

Supplied complete with fixing screws for timber and steel doors and full installation

A comprehensive range of accessories is available - please contact the sales team for any special requirements.

^{*} CE certification does not apply to the DA models



D&E NHN 400 series 'Hi-Finish' door closer

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31 49 September 2007

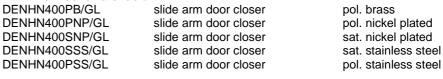


D&E NHN 400GL slide arm door closer

The NHN 400GL is a 2-5 variable multi-size door closer. It has successfully been type tested to EN1154:1997, EN 1634-1:2000 and is accredited with CE certification*.



'Hi-Finish' cover & slide arm





| DENHN400BC/PB/GL | slide arm door closer with BC | pol. brass |
|-------------------|-------------------------------|----------------------|
| DENHN400BC/PNP/GL | slide arm door closer with BC | pol. nickel plated |
| DENHN400BC/SNP/GL | slide arm door closer with BC | sat. nickel plated |
| DENHN400BC/SSS/GL | slide arm door closer with BC | sat. stainless steel |
| DENHN400BC/PSS/GL | slide arm door closer with BC | pol. stainless steel |

| DENHN400H/PB/GL | slide arm door closer with DA | pol. brass |
|------------------|-------------------------------|----------------------|
| DENHN400H/PNP/GL | slide arm door closer with DA | pol. nickel plated |
| DENHN400H/SNP/GL | slide arm door closer with DA | sat. nickel plated |
| DENHN400H/SSS/GL | slide arm door closer with DA | sat. stainless steel |
| DENHN400H/PSS/GL | slide arm door closer with DA | pol. stainless steel |

Power adjustment: via a 5mm hex key.

 Door weight:
 40 - 100 Kgs.

 Door width:
 850 - 1250mm.

Supplied complete with fixing screws for timber and steel doors and full installation instructions.

A comprehensive range of accessories is available - please contact the sales team for any special requirements.



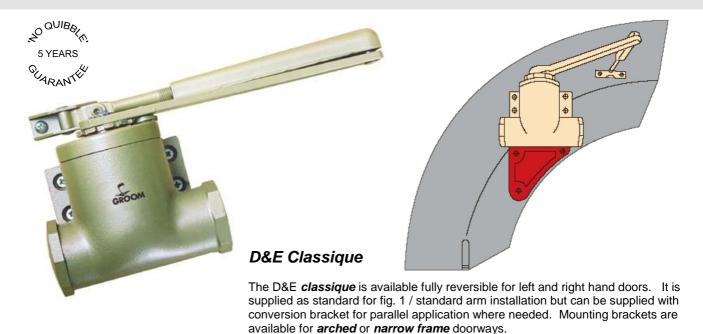
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^{*} CE certification does not apply to the DA models

D&E classique - T-shape door closer

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31 49 September 2007



DEGR03 size 3 - T-shape door closer champagne

Door width: 950mm Door weight: 60Kg

DEGR04 size 4 - T-shape door closer champagne

Door width: 1100mm Door weight: 80Kg

DEGR05 size 5 - T-shape door closer champagne

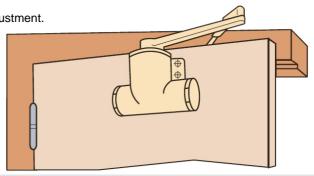
Door width: 1250mm Door weight: 100Kg

DEGR06 size 6 - T-shape door closer champagne

Door width: 1400mm Door weight: 120Kg

Integral backcheck as standard

Hydraulic valve speed adjustment.



Sales: 01733 896123



D&E classique - accessories



Accessories:

D&E Classique universal conversion bracket .

Converts a fig. 1 / standard arm door closer into a fig. 6 parallel arm door closer - allowing installation on the push side of the door.

DEGRCLCB universal conversion bracket champagne



D&E Classique curved head bracket.

The D&E Classique curved head bracket is designed to allow your Classique to be installed on arch top doors.

| DEGR03CHB | curved head bracket for DEGR03 | champagne |
|-----------|--------------------------------|-----------|
| DEGR04CHB | curved head bracket for DEGR04 | champagne |
| DEGR05CHB | curved head bracket for DEGR05 | champagne |
| DEGR06CHB | curved head bracket for DEGR06 | champagne |
| | | |

Most common applications for this product is in Cathedrals, Churches, Monasteries, stately homes, listed buildings, hotels and bars that wish to maintain traditional aesthetics.

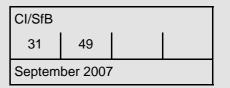


D&E Classique soffit bracket .

The D&E Classique soffit bracket is designed for installation under the head of the door frame on the push side of the door.

| DEGR03SB | soffit bracket for DEGR03 | champagne |
|----------|---------------------------|-----------|
| DEGR04SB | soffit bracket for DEGR04 | champagne |
| DEGR05SB | soffit bracket for DEGR05 | champagne |
| DEGR06SB | soffit bracket for DEGR06 | champagne |





Standard Installation

Inward Opening

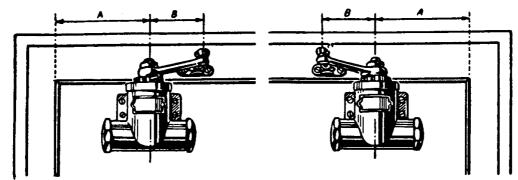


Fig 1. Door Hung On Left = RH Closer (D)

Fig 2. Door Hung
On Right = LH Closer (G)

Outward Opening

With Drop Plate

With Soffit Bracket

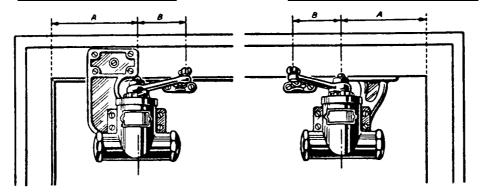
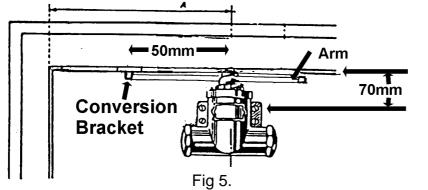


Fig 3. Door Hung
On Left = RH Closer (D)

Fig 4. Door Hung On Right = LH Closer (G)

With Conversion Bracket



The lip of the Conversion Bracket should project a minimum of 50mm from the centre of the pinion.



D&E classique - installation instructions

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| 31 | 49 | | |
| Septem | ber 2007 | , | |

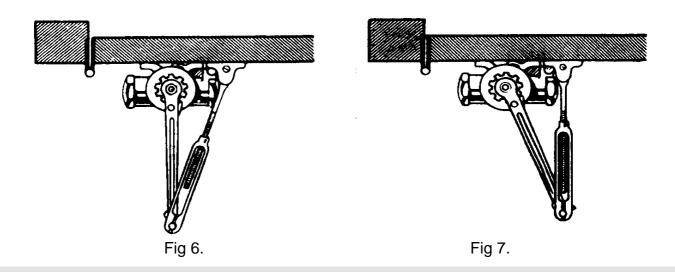
Dimension A, the distance from the centre line of the hinge to the pinion of the closer, varies according to the size of the closer and the required opening angle of the door.

| | Opening 90° | Door C Beyo | pening nd 90° |
|------|----------------|----------------|------------------|
| Size | Α | Size | Α |
| 3 | 240 mm | 3 | 180 mm |
| 4 | 260 mm | 4 | 200 mm |
| 5 | 310 mm | 5 | 230 mm |
| 6 | 350 mm | 6 | 290 mm |

Dimension B, the distance from the pinion of the closer to the centre of the shoe, is *ALWAYS* 80mm when installed in standard configuration. When a conversion bracket is used dimension B is 50mm, as shown in Fig 5.

<u>Adjustment</u>

- 1) Adjust spring power by using the wrench provided to turn the ratchet from the hinge side to the lock side (Maximum 8 clicks)
- 2) Adjust the closing power to overcome latching action or air pressure resistance, adjust the threaded of the arm to match Fig 6. Fig 7 will effectively delete any latching action.
- 3) Adjust closing speed via the hydraulic valve located on the right side of the closer body.
- 4) When installed with the Conversion Bracket, ensure that the position of the arm, prior to the tension being applied, is behind the line of the door.



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| 31 | 49 | | |
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Reversing The Handing

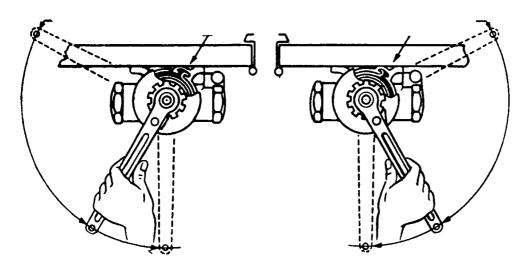


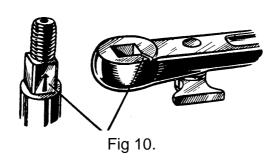
Fig 8. Left Hand

Fig 9. Right Hand

Fit the arm to obtain check action at the position shown behind the door .

Closers are normally supplied in right hand configuration. To change to left hand, remove the arm, ratchet and cover; withdraw the spring from the housing, reverse it and replace, ensuring that the tail of the spring is correctly located in the groove of the housing, i.e. RH closer - (the tail points to the left - see Fig 9).

Replace the cover and the ratchet, ensuring that the slot of the ratchet housing is aligned with the inner tail of the spring.



When fitting the arm, ensure that the mark on the arm lines up with the arrow on the pinion, irrespective of the handing of the closer (Fig 10). The exception to this is when the Conversion Bracket is to be installed, when the mark on the arm goes on the opposite side to the arrow on the pinion.



D&E NHN concealed door closers

CI/SfB 31 49 September 2007



D&E NHN 600U series concealed door closers

The D&E NHN 600U concealed door closer series is a range of fixed sized door closers designed to meet the highest of standards. The body of the closer is only 28mm. It has successfully been tested to BS 476: pt 22 for use on 1 hr fire doors*.



Concealed door closer, size 1 suitable for use on doors 15 - 30Kgs.

DEC618UL concealed door closer - LH silver DEC618UR concealed door closer - RH silver DEC1618UL concealed door closer with H/O - LH silver DEC1618UR concealed door closer with H/O - RH silver

Door specifications: height x width: 1800 x 800mm

40mm min. door thickness: timber

aluminium 36mm min.

Concealed door closer, size 2 suitable for use on doors 25 - 45Kgs.

DEC628UL concealed door closer - LH silver DEC628UR concealed door closer - RH silver DEC1628UL concealed door closer with H/O - LH silver concealed door closer with H/O - RH DEC1628UR silver

Door specifications: height x width: 2100 x 900mm

> door thickness: timber 40mm min.

aluminium 36mm min.

Concealed door closer, size 3 suitable for use on doors 40 - 65Kgs.

DEC638UL concealed door closer - LH silver DEC638UR concealed door closer - RH silver DEC1638UL concealed door closer with H/O - LH silver DEC1638UR concealed door closer with H/O - RH silver

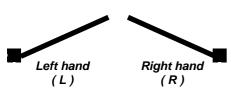
2100 x 950mm Door specifications: height x width:

> door thickness: timber 40mm min.

> > aluminium 36mm min.



DEIK600 intumescent kit for size 3 model



^{*} DEIK600 intumescent kit required on fire doors

Sales: 01733 896123



D&E NHN concealed door closers

CI/SfB 31 49 September 2007



The D&E NHN 60UA concealed door closer series is a range of fixed sized door

closers designed to meet the highest of standards. The body of the closer is only 36mm (size 3) & 41mm (size 4 & 5).

Concealed door closer, size 3 suitable for use on doors 40 - 65Kgs.

DEC63UAL concealed door closer - LH silver DEC63UAR concealed door closer - RH silver DEC163UAL concealed door closer with H/O - LH silver concealed door closer with H/O - RH DEC163UAR silver

Door specifications: height x width: 2100 x 950mm max.

> door thickness: timber 50mm min. 45mm min. aluminium

Concealed door closer, size 4 suitable for use on doors 55 - 85Kgs.

DEC64UAL concealed door closer - LH silver DEC64UAR concealed door closer - RH silver DEC164UAL concealed door closer with H/O - LH silver DEC164UAR concealed door closer with H/O - RH silver

Door specifications: height x width: 2700 x 1050mm max.

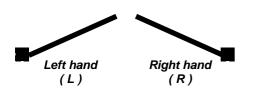
door thickness: timber 50mm min. aluminium 45mm min.

Concealed door closer, size 5 suitable for use on doors 80 - 120Kgs.

DEC65UAL concealed door closer - LH silver DEC65UAR concealed door closer - RH silver DEC165UAL concealed door closer with H/O - LH silver DEC165UAR concealed door closer with H/O - RH silver

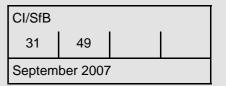
Door specifications: height x width: 2700 x 120mm max.

door thickness: timber 50mm min. aluminium 45mm min.



Sales: 01733 896123







D&E Auto-hinge 1000 series.

The 1000 series is a door closer built into a pair of hinges. Comprising of 1 spring hinge and 1 damper hinge and offers a fully adjustable, controlled closing action.

Suitable for use on internal doors up to 35Kg.

DE1111/35/L auto-hinge - LH SAA DE1111/35/R auto-hinge - RH SAA DE1111/35/SL SAA auto-hinge with H/O - LH DE1111/35/SR auto-hinge with H/O - RH SAA DE1110/L SAA blank hinge - non load bearing - LH DE1110/R blank hinge - non load bearing - RH SAA

Hold open angle: 85° (hold open model only)

Opening angle: 180°

Door weight: 1 pr 35Kg

Packaging: 1 / 10 prs

Supplied handed (see page D-1023)

Supplied complete with fixing screws

See page D-1022 & D-1023 for all technical information including model specification for timber / metal doors in timber / metal frames etc...

D&E Auto-hinge 100 series.

The 100 series is a door closer built into a pair of hinges. Comprising of 1 spring hinge and 1 damper hinge and offers a fully adjustable, controlled closing action.



DE112/40/L auto-hinge - LH silver DE112/40/L auto-hinge - RH silver DE112/40/SL auto-hinge with H/O - LH silver DE112/40/SR auto-hinge with H/O - RH silver DE110/L silver blank hinge - non load bearing - LH DE110/R blank hinge - non load bearing - RH silver

Opening angle: 180°

Hold open angle: 85° & 150° (hold open model only)

Door weight: 1 pr 40Kg

Packaging: 1 / 10 prs

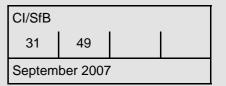
Supplied handed (see page D-1023)

Supplied complete with fixing screws

See page D-1022 & D-1023 for all technical information including model specification for timber / metal doors in timber / metal frames etc...









D&E Auto-hinge 100 series.

The 100 series is a door closer built into a pair of hinges. Comprising of 1 spring hinge and 1 damper hinge and offers a fully adjustable, controlled closing action.

Suitable for use on internal doors up to 60Kg.

| DE113/60/L DE113/60/R | auto-hinge - LH auto-hinge - RH | silver |
|--------------------------|-------------------------------------|--------|
| DE113/60/SL | auto-hinge with H/O - LH | silver |
| DE113/60/SR | auto-hinge with H/O - RH | silver |
| DE110/L | blank hinge - non load bearing - LH | silver |
| DE110/R | blank hinge - non load bearing - RH | silver |

Opening angle: 180°

Hold open angle: 85° & 150° (hold open model only)

Door weight: 1 pr 60Kg

Packaging: 1 / 10 prs

Supplied handed (see page D-1023)

Supplied complete with fixing screws

See page D-1022 & D-1023 for all technical information including model specification for timber / metal doors in timber / metal frames etc...

D&E Auto-hinge 100 tri-set series.

The 113 series tri-set is a door closer built into a set of hinges. The tri-set comprises of 2 spring hinges and 1 damper hinge and offers a fully adjustable, controlled closing action.



| DE113/80/L | tri-set auto-hinge - LH | silver |
|----------------------------|---|------------------|
| DE113/80/R | tri-set auto-hinge - RH | silver |
| DE113/80/SL DE113/80/SR | tri-set auto-hinge with H/O - LH tri-set auto-hinge with H/O - RH | silver silver |
| DE110/L | blank hinge - non load bearing - LH | silver |
| DE110/R | blank hinge - non load bearing - RH | silver |

Opening angle: 180°

Hold open angle: 85° & 150° (hold open model only)

Door weight: 1 set 80Kg

Packaging: 1 / 10 sets

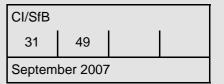
Supplied handed (see page D-1023)

Supplied complete with fixing screws

See page D-1022 & D-1023 for all technical information including model specification for timber / metal doors in timber / metal frames etc...









D&E Auto-hinge 100 PC series - weather resistant.

The D&E 113PC series is a door closer built into a pair of hinges. Comprising of 1 spring hinge and 1 damper hinge and offers a fully adjustable, controlled closing action which is enhanced by a thermal compensator.

Suitable for use on external doors up to 60Kg.

 DE113PC/60/L
 PC auto-hinge - LH
 silver

 DE113PC/60/R
 PC auto-hinge - RH
 silver

 DE113PC/60/SL
 PC auto-hinge with H/O - LH
 silver

 DE113PC/60/SR
 PC auto-hinge with H/O - RH
 silver

 DE110PC/I
 PC block bings - pen load bearing - LH
 silver

DE110PC/L PC blank hinge - non load bearing - LH silver DE110PC/R PC blank hinge - non load bearing - RH silver

Opening angle: 180°

Hold open angle: 85° & 150°

Door weight: 1 pr 60Kg

Packaging: 1 / 10 prs

Supplied handed (see page D-1023)

Supplied complete with fixing screws

See page D-1022 & D-1023 for all technical information including model specification for timber / metal doors in timber / metal frames etc...



D&E Auto-hinge 113 AEM.

The D&E 113AEM is a an electro-magnetic hold open device for use with the 112 / 113 Auto-hinge. It can be wired into a fire alarm system.

DE113AEM/L 113 AEM auto-hinge - LH silver DE113AEM/R 113 AEM auto-hinge - RH silver

Opening angle: 180°

Hold open angle: adjustable 30° to 170°

Power: 24 / 48vdc (please specify)

Door weight: non load bearing

Packaging: each

Supplied handed (see page D-1023)

Supplied complete with fixing screws

Sales: 01733 896123



| CI/SfB | | |
|--------|----------|--|
| 31 | 49 | |
| Septem | ber 2007 | |



D&E Auto-hinge NK153 series.

The D&E NK153 series is a door closer built into either a pair or set of hinges. There are two door weight configurations. The 60Kg models comprise of 1 spring hinge and 1 damper hinge. The 80Kg models comprise of 2 spring hinges and 1 damper hinge. Both offer a fully adjustable, controlled closing action.

Suitable for use on frameless glass doors up to 60Kg.

DENK153/60/LNK153 auto-hinge - LHsilverDENK153/60/RNK153 auto-hinge - RHsilver

DENK153/60/SL NK153 auto-hinge with HO - LH silver DENK153/60/SR NK153 auto-hinge with HO - RH silver

DENK150/L blank hinge - non load bearing - LH silver DENK150/R blank hinge - non load bearing - RH silver

Opening angle: 180°

Hold open angle: 85° & 150°

Door weight: 1 pair 60Kg

Glass thickness: 8 to 12mm

Door dimensions: 2100 x 900mm

Packaging: 1 / 10 prs

Supplied handed (see page D-1023)

Supplied complete with fixing screws.

Suitable for use on frameless glass doors up to 80Kg.

DENK153/80/LNK153 tri-set auto-hinge - LHsilverDENK153/80/RNK153 tri-set auto-hinge - RHsilver

 $\begin{array}{ll} \textit{DENK153/80/SL} & \text{NK153 tri-set auto-hinge with HO-LH} & \text{silver} \\ \textit{DENK153/80/SR} & \text{NK153 tri-set auto-hinge with HO-RH} & \text{silver} \\ \end{array}$

DENK150/L blank hinge - non load bearing - LH silver DENK150/R blank hinge - non load bearing - RH silver

Opening angle: 180°

Hold open angle: 85° & 150°

Door weight: 1 set 80Kg

Glass thickness: 8 to 12mm

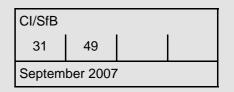
Door dimensions: 2200 x 1000mm

Packaging: 1 / 10 prs

Supplied handed (see page D-1023)

Supplied complete with fixing screws

D&E Auto-hinge



| Part | No. | Hand | Max Door | Hold Open | Max | Max Door | |
|--------------------|---------------------|-------|----------|-----------|---------------|-----------------------|--|
| Without hold open | With hold open | Папи | Weight | Position | Opening Angle | Dimensions | |
| 1000 series | | | | | | | |
| To suit a Timber d | oor in a Timber fra | ame | | | | | |
| 1111R | 1111SR | Right | 25Ka | 85° | | | |
| 1111L | 1111SL | Left | - 35Kg | 00 | 180° | W: 850mm H: 2000mm | |
| 1110R | _ | Right | _ | _ | | T: min 30mm | |
| 1110L | _ | Left | _ | | | | |

100 series

| suit a Timber d | loor in a Timber f | rame | | | | | |
|-----------------|--------------------|-------|-------|------------------------------|-------------------|--------------------------|--------------------------|
| 112R | 112SR | Right | 401/0 | | | | |
| 112L | 112SL | Left | 40Kg | 40Kg 60Kg 85° & 150° 180° | | W: 900mm | |
| 113R | 113SR | Right | 0017- | | 8 150° 180° | | H: 2100mm T: min 30mm |
| 113L | 113SL | Left | 60Kg | | | | |
| 113R Tri-Set | 113SR Tri-Set | Right | 0014 | | | W: 1000mm | |
| 113L Tri-Set | 113SL Tri-Set | Left | 80Kg | | | H: 2200mm T: min 30mm | |
| 110R | _ | Right | | | | | |
| 110L | _ | Left | _ | _ | | | |

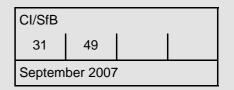
| To suit a Timber door in a Steel frame | | | | | | | |
|--|----------|-------|------|-----------|-----------|-----------------------|--|
| 122R-T | 122SR -T | Right | 40Ka | 85° & | | | |
| 122L-T | 122SL-T | Left | 40Kg | 40Kg 150° | 150° 180° | W: 900mm H: 2100mm | |
| 120R-T | _ | Right | | | 160 | T: min 30mm | |
| 120L-T | _ | Left | _ | _ | | | |

| To suit a Steel door in a Steel frame | | | | | | |
|---------------------------------------|---------|-------|-------|-------|--------|--------------------------|
| 143R-T | 143SR-T | Right | 601/2 | 85° & | | |
| 143L-T | 143SL-T | Left | 60Kg | 150° | 4000 | W: 900mm |
| 140R-T | _ | Right | | | - 180° | H: 2100mm T: min 30mm |
| 140L-T | _ | Left | _ | _ | | |

| To suit a Steel do | or in a Steel frame | | | | | |
|--------------------|---------------------|-------|--------|-------|------|--------------------------|
| 244R-T | 244SR-T | Right | 1201/2 | 85° & | | |
| 244L-T | 244SL-T | Left | 120Kg | 150° | 4000 | W: 1200mm |
| 240R-T | _ | Right | | | 180° | H: 2100mm T: min 40mm |
| 120L-T | _ | Left | _ | _ | | |



D&E Auto-hinge

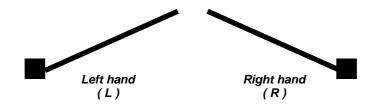


| Part No. | | Hand | Max Door Weight | Hold Open Position | Max Opening Angle | Max Door Dimensions |
|-----------------------------------|----------------------------------|---------------|--------------------|-----------------------|----------------------|--------------------------------------|
| · | Without hold open With hold open | | | | | 2 |
| 100 PC series To suit timber, alu | ıminium & liahtwe | iaht steel da | oors | | | |
| ro ourt timber, ara | | giit otooi ao | | | | |
| 113R-PC | 113SR-PC | Right | 60Kg | 85° & 150° | | W: 900mm H: 2100mm T: min 30mm |
| 113L-PC | 113SL-PC | Left | | | 180° | |
| 110R-PC | _ | Right | | | | 1. 11111 3011111 |
| 110L-PC | _ | Left | | _ | | |

| To suit aluminium, lightweight steel & partition doors | | | | | | |
|--|----------|-------|--------|-------|------|-----------------------|
| 133R-PC | 133SR-PC | Right | 0014 | 85° & | | |
| 133L-PC | 133SL-PC | Left | - 60Kg | 180° | 180° | W: 900mm H: 2100mm |
| 130R-PC | _ | Right | | | | T: min 30mm |
| 130L-PC | _ | Left | | _ | | |

| To suit a Steel door in a Steel frame | | | | | | |
|---------------------------------------|------------|-------|--------|-------|------|-----------------------|
| 143R-T-PC | 143SR-T-PC | Right | 60Ka | 85° & | | |
| 143L-T-PC | 143SL-T-PC | Left | - 60Kg | 150° | 180° | W: 900mm H: 2100mm |
| 140R-T-PC | _ | Right | | | 160 | T: min 30mm |
| 140L-T-PC | _ | Left | _ | | | |

| To suit a Steel door in a Steel frame | | | | | | |
|---------------------------------------|-------------|-------|--------|-------|------|------------------------|
| 244R-T-PC | 244SR -T-PC | Right | 1201/2 | 85° & | | |
| 244L-T-PC | 244SL-T-PC | Left | 120Kg | 150° | 1000 | W: 1200mm H: 2100mm |
| 240R-T-PC | _ | Right | | | 180° | T: min 40mm |
| 240L-T-PC | _ | Left | | _ | | |



Sales: 01733 896123



| CI/SfB | | | | | |
|----------------|----|--|--|--|--|
| 31 | 49 | | | | |
| September 2007 | | | | | |



D&E Auto-hinge - Centre Hang type

The D&E Auto-Hinge centre hang type is a concealed single action pivot door closer. Suitable for use on doors ranging from 40Kg up to 510Kg, it offers a controlled closing action.

| _ | |
|----------------------|---|
| DEA8K/L DEA8K/R | centre hang auto-hinge - LH - 40Kg centre hang auto-hinge - RH - 40Kg |
| DEA8/L DEA8/R | centre hang auto-hinge - LH - 50Kg centre hang auto-hinge - RH - 50Kg |
| DEA10/L DEA10/R | centre hang auto-hinge - LH - 85Kg centre hang auto-hinge - RH - 85Kg |
| DEA12/L DEA12/R | centre hang auto-hinge - LH - 100Kg centre hang auto-hinge - RH - 100Kg |
| DEA14/L DEA14/R | centre hang auto-hinge - LH - 130Kg centre hang auto-hinge - RH - 130Kg |
| DEA16/L DEA16/R | centre hang auto-hinge - LH - 160Kg centre hang auto-hinge - RH - 160Kg |
| DEA18/L DEA18/R | centre hang auto-hinge - LH - 200Kg centre hang auto-hinge - RH - 200Kg |
| DEA22/L DEA22/R | centre hang auto-hinge - LH - 240Kg centre hang auto-hinge - RH - 240Kg |
| DEA26/L DEA26/R | centre hang auto-hinge - LH - 310Kg centre hang auto-hinge - RH - 310Kg |
| DEA30/L DEA30/R | centre hang auto-hinge - LH - 410Kg centre hang auto-hinge - RH - 410Kg |
| DEA30H/L DEA30H/R | centre hang auto-hinge - LH - 510Kg centre hang auto-hinge - RH - 510Kg |

Opening angle: 180°

Door weight: all door weights shown above are subject to certain criteria -

see pages D-1025 & D-1026 for further information.

Finish: stove enamelled

Packaging: each

Supplied handed (see page D-1025)

Supplied complete with fixing screws

Sales: 01733 896123



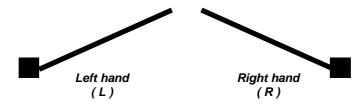
D&E Auto-hinge

| CI/SfB | | | | | | |
|----------------|----|--|--|--|--|--|
| 31 | 49 | | | | | |
| September 2007 | | | | | | |

| model no. | door dimensions (mm) | | | max door weight | standard | may aponing angle |
|-----------|----------------------|---------------|-----------|-----------------|---------------|-------------------|
| model no. | width | height | thickness | max door weight | closing force | max opening angle |
| A-8K | 800 | 1850 (max) | | | 6.9 N-m | |
| A-8 | (max) | 2000 | (min) | 50 | 8.9 N-m | |
| A-10 | 1000 | | | 85 | 10.8 N-m | |
| A-12 | 1200 | 2100 | 40 | 100 | 15.7 N-m | |
| A-14 | 1400 | | | 130 | 19.7 N-m | |
| A-16 | 1600 | | 45 | 160 | 24.6 N-m | 180° |
| A-18 | 1800 | 2400 | 50 | 200 | 41.2 N-m | |
| A-22 | 2200 | | | 240 | 49.1 N-m | |
| A-26 | 2600 | | | 310 | 60.9 N-m | |
| A-30 | 2000 | 2600 | 55 | 410 | 60.7 N m | |
| A-30H | 3000 | | 1 | 510 | 68.7 N-m | |

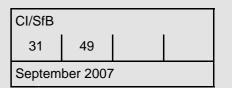
- 1. Select an appropriate model according to the dimensions (height x width) of the door. (See chart on page D-1026)
- 2. Ensure that the door weight is within the guidelines set out in the table below.
- N.B. The chart on page D-1026 is based on a wind velocity of 3m/sec. If being used in conjunction with a smoke ventilation system or should the wind conditions be any greater then please contact the sales office.

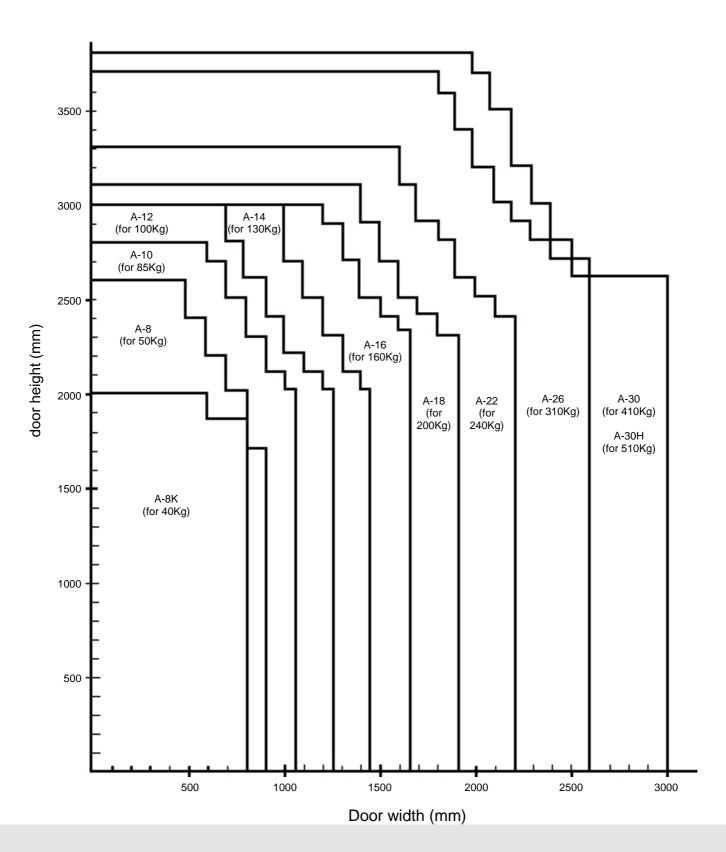
| model | weight / 1m² | type of door |
|------------------|--------------|--------------------------------------|
| A-8K | 27Kg/m² max | steel door (only for wicket door) |
| A-8 | 31Kg/m² max | |
| A-10, A-12 | 39Kg/m² max | |
| A-14, A-16 | 41Kg/m² max | steel |
| A-18, A-22, A-26 | 45Kg/m² max | door |
| A-30 | 52Kg/m² max | |
| A-30H | 65Kg/m² max | |



Sales: 01733 896123

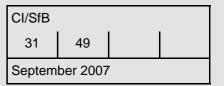






Sales: 01733 896123







D&E Soss invisible door closer hinge

The D&E Soss invisible door closer hinge is a completely concealed door closer. It is ideally suited to environments where an overhead closer can not be installed.

For use with the Soss DE218 hinges only.

Fire pack available for use on 30 minute fire doors - contact the office for details.

DE218DC/B soss door closer hinge brass plated
DE218DC/SNP soss door closer hinge sat. nickel plated

DE218F/B soss fire rated hinge brass plated DE218F/SNP soss fire rated hinge sat. nickel plated

Door weight: 25Kg

Illustration shows 2 x standard DE218F Soss hinges & 1 x DE218DC Soss door closer hinge. Additional hinges, of either model, may be required. See below how to identify what your requirements are or please fax or email the office with the full details of your door, including the ironmongery.

Identifying the correct hinge

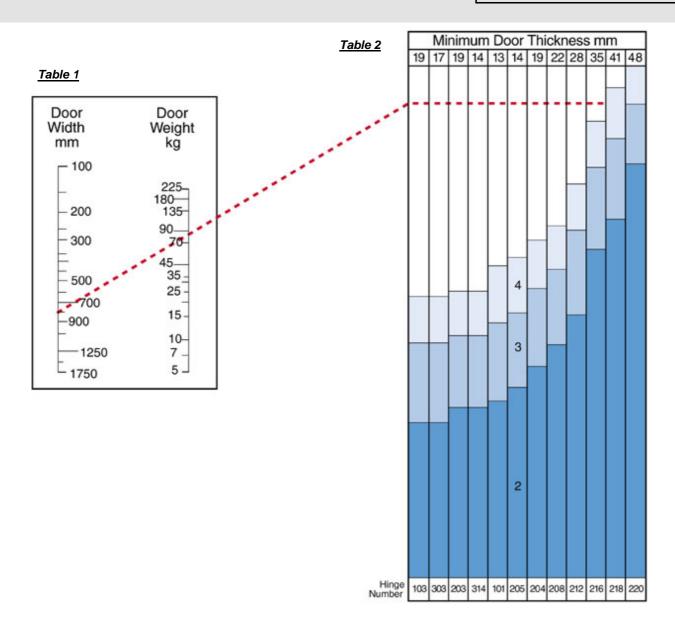
The stringent method of identifying the correct hinge for the task in hand is to follow these four easy steps.

- 1. Determine the width, thickness and height of the door.
- Once the above is achieved go to table 1 overleaf. Locate the width and the
 weight of your door and draw a straight line through those two points,
 continuing the line on to the left hand edge of table 2. An example of this
 has been illustrated by a dotted line for a door 800mm wide and 85Kg in
 weight.
- 3. Where the line meets the left hand edge of table 2, draw a horizontal line the full width of the table. This is determines your recommended hinge.
- 4. If you look at the dotted line this meets a light blue box, this indicates that if your door has a minimum thickness of 41mm then you can use 4 hinges type DE218, or, if you follow the line through to the next column because your door has a minimum thickness of 48mm then you must use 3 hinges of type DE220.

Sales: 01733 896123



CI/SfB 31 49 September 2007



Sales: 01733 896123



D&E transom closer - DEGRL100









D&E transom closer

The *DEGRL100* transom closer is a double action door closer that is installed in the transom of the door. Fully adjustable closing and latching action. Successfully type tested to EN1154 and has achieved the CE mark.

DEGRL100450 double action transom door closer EN 1-4

complete with top arm and floor pivot silver

DEGRL100455 body only - incl. cover plate silver

DEGRL100820 bottom pivot with arm for side assembly top pivot with arm for side assembly

EN classification: 3 8 1-4 1 1 4

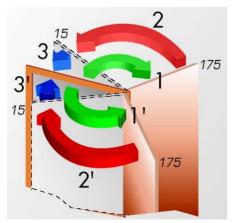
Size: 1-4 adjustable by allen key

Max door width: 1100mm

Max door weight: 120Kg

Max opening angle: 170 degrees

Dimensional data: see page D-1030 & D-1031



Operation

Zone 1 & 1' door opening through a range of 175° in either direction.

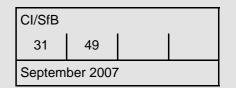
Zone 2 & 2' 175° & 15° controlled close - adjustable by needle valve

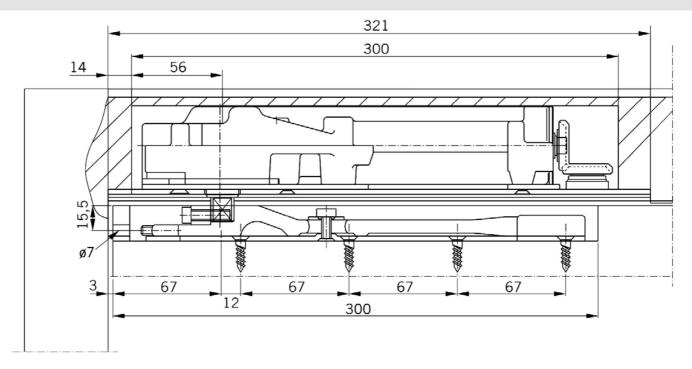
Zone 3 & 3' 15° - 0° controlled latching angle - adjustable by needle valve

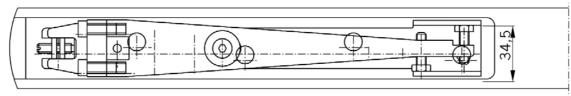
Sales: 01733 896123

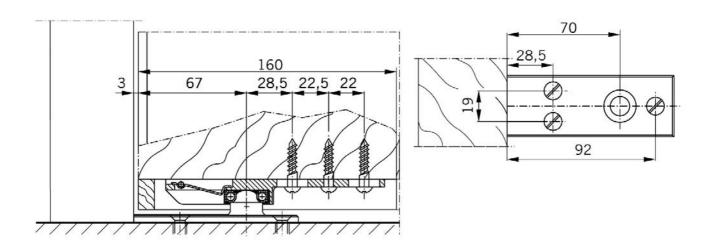


D&E transom closer - DEGRL100



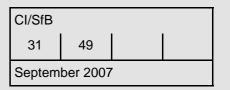


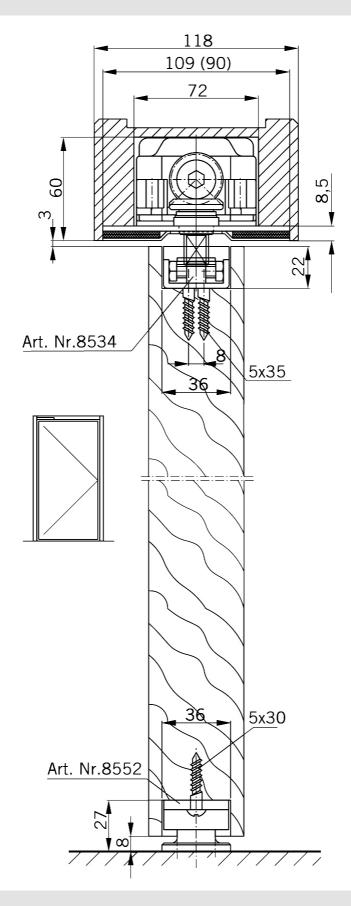




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D&E transom closer







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D&E transom door closer

The Groom GRL050 series transom door closer has been developed mainly for use with aluminium or steel door frames. The closer body is installed in the transom by setting the closer body in such a manner that the revolving shaft faces downwards and is connected with the driving arm for the opening and closing of the door. All mechanical functions have been installed in the upper side as to avoid cutting away the floor as required in the case of a floor spring. Successfully type tested to EN1154.

Side Load

DEGRL053051 transom door closer - EN1154 size 3 - complete transom door closer with H/O- EN1154 size 3 - complete transom door closer - EN1154 size 4 - complete transom door closer with H/O- EN1154 size 4 - complete

End Load

DEGRL053052 transom door closer - EN1154 size 3 - complete transom door closer with H/O- EN1154 size 3 - complete transom door closer - EN1154 size 4 - complete transom door closer with H/O- EN1154 size 4 - complete

Accessories

DEGRL000831 RA-853A-40 side load arm DEGRL000832 RA-513A-77 end load arm

DEGRL000833 RA-R513A-73 pinch free side load arm SCR-Q101 heavy duty bottom pivot

EN classification: Size 3 | 3 | 8

Size 4 3 8 4 0 1 4

3 0

Std spindle height: 12mm

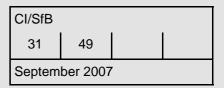
17mm & 20mm are available to special order - see Groom

brochure pages 28 & 29)

Hold open angle: 90°



D&EGRP100 floor spring









D&E floor spring

The *DEGRP100* floor spring is a double action door closer that is installed in the floor. Fully adjustable closing and latching action. Successfully type tested to EN1154 and has achieved the CE mark.

Body only

DEGRP100350 floor spring body without H/O - EN 3
DEGRP100340 floor spring body with H/O - EN 3

EN classification: 3 8 3 1 1 4

Max door width: 950mm

Size: EN 3

Max door weight: 80Kg

DEGRP100450 floor spring body without H/O - EN 4 floor spring body with H/O - EN 4

EN classification: | 3 | 8 | 4 | 1 | 1 | 4

Max door width: 1100mm

Size: EN 4

Max door weight: 100Kg

DEGRP100820 cover plate sat. stainless steel

DEGRP100810 square pivot for DEGRP100
DEGRP100811 rectangular pivot for DEGRP100
DEGRP100820 aluminium top centre for DEGRP100
Steel top centre for DEGRP100

DEGRP100822 hinge bearing

DEGRP100810 bottom strap for rectangular pivot bottom strap for rectangular pivot for

use on aluminium doors

Size: 1-4 adjustable by allen key

Max door width: 1100mm

Max door weight: 120Kg

Max opening angle: 170 degrees

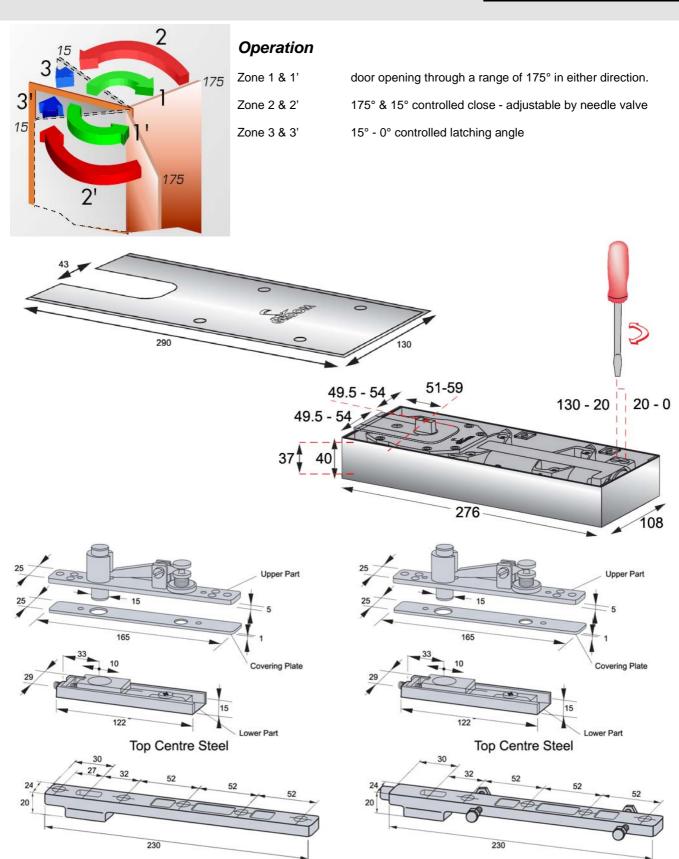
Dimensional data: see page D-1034

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D&EGRP100 floor spring

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Bottom strap



Fax: 01733 894466

Bottom strap - to suit aluminium door

D&E floor spring

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D&E 200 series floor spring

The *D&E 200 Series* floor spring is a double action, dual valve closer with separate adjustment for the closing & latching speeds. Positive centring for alignment and to hold the door closed in normal weather conditions.

DE230/PSS size 3 floor spring with H/O pol. stainless steel pol. brass / PVD

DE231PSSsize 3 floor springpol. stainless steelDE231/PBsize 3 floor springpol. brass / PVD

door dimensions: 950 x 2100mm

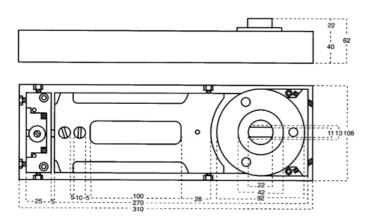
Door weight: 80Kg

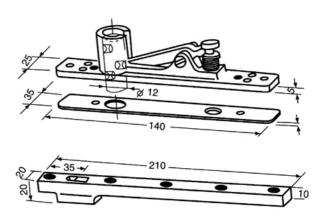
Hold open angle: 90° (DE230 model only)

Max opening angle: 105°

Adjustment in cement box: length - 6mm

width - 8mm height - 4mm

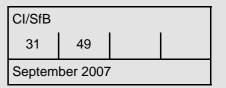




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D&E 'adeco' gate closer





D&E hydraulic gate closer

The 'adeco' DEDC2600 gate closer is a single action closer with controlled closing action. The separate adjustment for both the closing & latching speeds allow for a personalised closing motion. The DEDC2600 is also supplied as standard with an optional hold open facility.

DEDC2600 gate closer black

Max gate width: 1000mm

Gate weight: 50Kg

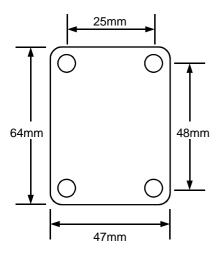
Hold open angle: 90°

Max opening angle: 90°

Dimensions: body length incl mounting plate 320mm

projection

61mm



Mounting plate dimensions

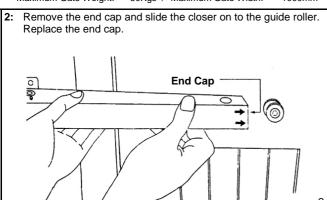


D&E 'adeco' gate closer

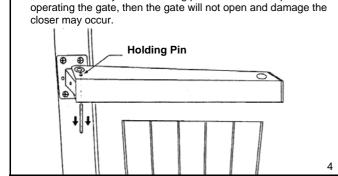
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- The DC2600 can be installed at the top, middle or bottom of the gate on the 'PULL' side only
- The face of the gate must be flush with the face of the gatepost.
- The gate should be hinged as close to the gate post as possible
- The pivot point of the closer must be inline with the centre pivot line of the hinges. It may be necessary to fabricate a bracket or spacer to allow the closer to be installed correctly.
- The gate must swing freely on its hinges prior to installing the closer and the hinges must be greased regularly.
- The guide roller must be fitted. It may be necessary to fabricate a bracket / spacer to mount receive the guide roller.
- The gate must not be allowed to be opened more than 90°. If this is a possibility then a floor mounted door / gate stop should be installed.
- The holding pin (see fig. 4) must not be removed until the closer is fitted.

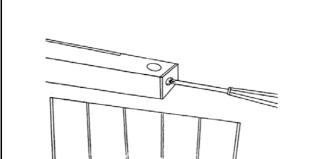
50Kgs / Maximum Gate Width: Maximum Gate Weight:



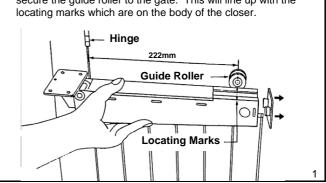
Open the gate slowly until the holding pin either drops out or can be removed easily. If the holding pin is not removed prior to



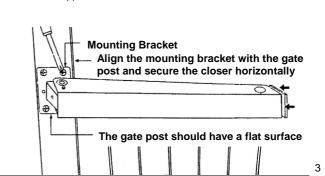
With the gate in the closed position, the final latching speed can be adjusted in the same manner as part 5 of these instructions.



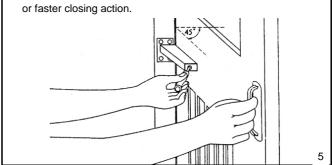
1: From the centre pivot line of the hinges, measure 222mm and secure the guide roller to the gate. This will line up with the locating marks which are on the body of the closer.



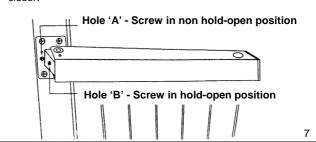
Secure the mounting bracket to the gate post with the four (4) screws supplied.



Holding the door open at about 45°, you can adjust the closing speed as required. Adjustment is via a screwdriver and should be in 1/4 turn increments clockwise or anti-clockwise for a slower or faster closing action.



To engage the hold-open function, simply remove the screw from hole 'A' and screw it into hole 'B' for safe keeping. To remove the hold open function simply reverse this procedure. Do not force the closer beyond the screw as doing so will damage the



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D&E gate closers



D&E 'tirex' gate closer

The D&E tirex gate closer is a helical door spring with a pivoted arm.

The arm locates between two (2) rollers which are mounted on the door to eliminate any wear on the door.

The closing speed is adjusted by inserting the tension bar into a hole in the capstan and increasing / decreasing the tension as required. The desired tension is then held in place by a pin that is inserted into an adjacent hole.

DEGR152201 gate closer - 40Kg silver

DEGR154201 heavy duty gate closer - 80Kg silver

Max opening angle: 180°



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D&E 'spiral' gate closer

The D&E spiral gate closer is a helical spring.

The closing speed is adjusted by the inserting the tension bar into a hole in the capstan and increasing / decreasing the tension as required. The desired tension is then held in place by a pin that is inserted into an adjacent hole.

DEGR172001 gate closer - 20Kg silver

DEGR174001 gate closer - 40Kg silver

Max opening angle: 180°

