



ACCESSORIES

PARALLEL PLATE



CONVERSION BRACKET (A)



CONVERSION BRACKET (B)



L-BRACKET



HOLD OPEN ARM



SLIDE ARM



ARM EXTENDED LINK



FUSIBLE LINK



DROP PLATE



MOUNTING PLATE



ANGLE BRACKET



COVER



NHN® 80VP SERIES



Tested to EN1154
and fire tested to
EN1634-1

1121



The New NHN 80VP Series offers a comprehensive range of hydraulic, power adjustable door closers to suit all applications.

The New NHN 80VP Series of door closers incorporates the latest engineering technology to provide three power adjustable (by allen key) door closers.

Successfully awarded EN1154, EN1634-1 and CE Certifications, the NHN 80VP Series is backed up with a 10 years 'No Quibble' guarantee.

FEATURES

- 83VP for sizes 2-4, 85VP for sizes 3-6 and a heavy duty 87VP for sizes 6 & 7. 87V-GL sizes 5-6. See the selection chart below for the full range and applications.
- Backcheck and delayed action functions available.
- Easy installation and adjustment.
- Comprehensive range of accessories
- Slimline body.
- Non-handed.

SELECTION CHART

Power size (EN)	Door width (mm)	Door weight (kg)	83VP SERIES					85VP SERIES					87VP SERIES							
			REGULAR	HOLD OPEN	BACK CHECK	DELAYED	SLIDE ARM	REGULAR	HOLD OPEN	BACK CHECK	DELAYED	SLIDE ARM	REGULAR	HOLD OPEN	BACK CHECK	DELAYED	SLIDE ARM			
2	850	40	83VP	183VP	83V-BC	83V-DA	83V-GL	-	-	-	-	-	-	-	-	-	-			
3	950	60						-	-	-	-	85V-GL	-	-	-	-	-	-	-	-
4	1100	80						-	85VP	185VP	85V-BC		85V-DA	-	-	-	-	-	-	-
5	1250	100						-						-	-	-	-	-	-	-
6	1400	120	-	-	-	-	-	-	-	-	-	87VP	187VP	87V-BC	87V-DA	-				
7	1600	140	-	-	-	-	-	-	-	-	-					-				



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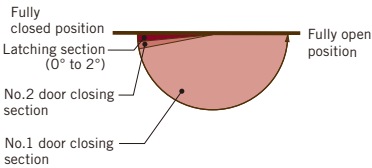
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FUNCTION

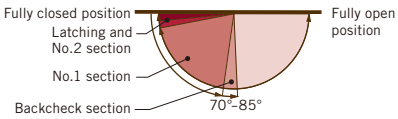
Latching function (standard)

This function accelerates the door in the final 2° of closing, in order to overcome any resistance such as seals, latch bolts etc. This provides a secure and complete closure of the door.



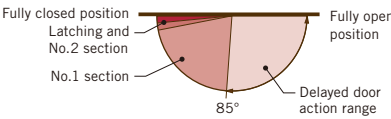
Back-check function (optional)

This function is built into the door closer body and checks the outward swing of the door. Most suited where the opening door might hit a wall i.e. in a corridor, or where it could injure someone if opened too quickly. It is recommended for use on externally opening doors in windy environments. The backcheck function works between 70° & 85°. The backcheck strength can be adjusted by turning the backcheck valve screw located on the end of the closer body. IT SHOULD NOT BE REGARDED AS A DOOR STOP !



Delayed door closing function (optional)

This function reduces the closing speed of the door to allow passers-by sufficient time to pass through the door opening i.e. people in wheelchairs, hospital staff with beds, elderly people etc. The maximum delay of 90 seconds is achieved from the 180° (the fully open angle) thru to 85°. After which the normal closing process takes effect to provide a secure and complete closure of the door. The duration of the delay can be adjusted via the delayed valve screw located next to the spindle.

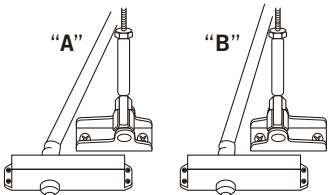


ADJUSTMENT

Force adjustment

Installation “A”

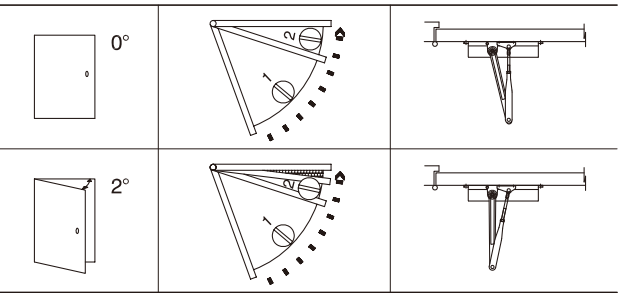
Decreases the closing force by about 10% for the first 4° of opening and final 4° of closing.



Installation “B”

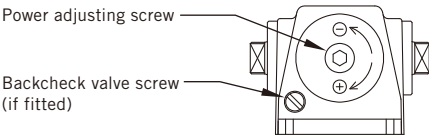
Increases the closing force by about 10% for the first 4° of opening and final 4° of closing.

Latching angle adjustment



Spring power adjustment

Turn the ‘Power Adjusting Screw’ the required number of clockwise or anti-clockwise turns according to the door width as indicated in the chart. In adverse weather conditions, increase the number of turns as required.



	Size (EN)	No. of turns	Direction	Max. opening angle
83VP	2	6	—	180°
	3	0	*	180°
	4	3	+	180°
85VP Fixing Position 1	3	0	*	180°
	4	1	+	180°
85VP Fixing Position 2	5	0	*	180°
	6	4	+	130°
87VP	6	5	—	130°
	7	0	*	130°

*Pre-set size at factory

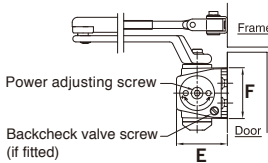
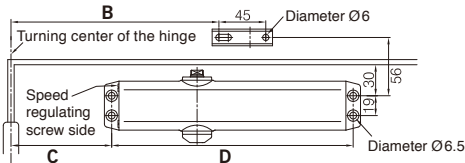
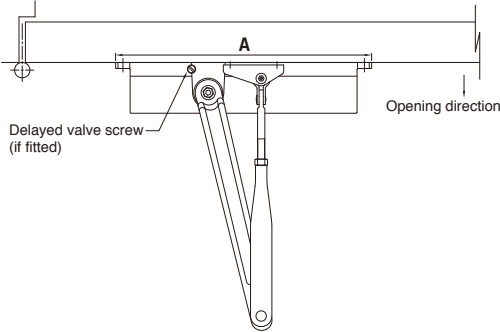


INSTALLATION

Standard installation

Closer mounted on hinge side of door

This illustrations shows right hand configuration (DIN L).

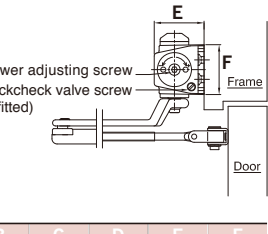
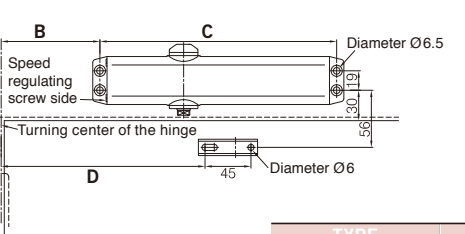
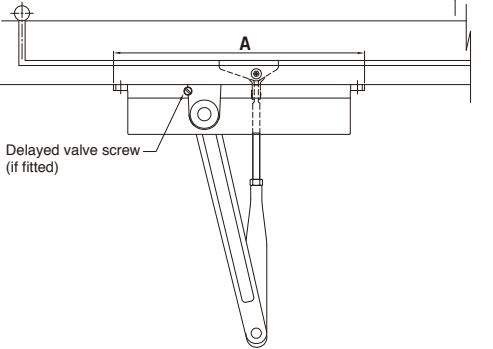


TYPE	A	B	C	D	E	F
83VP	246	200	97	232	49	49
85VP Fixing Position 1	282	210	55	268	55	52
85VP Fixing Position 2			90			
87VP	282	210	90	268	55	52

(Unit: mm)

Top jamb installation

This illustration shows left hand configuration (DIN R).

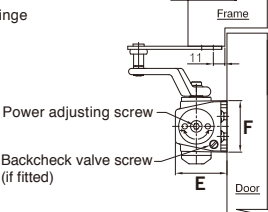
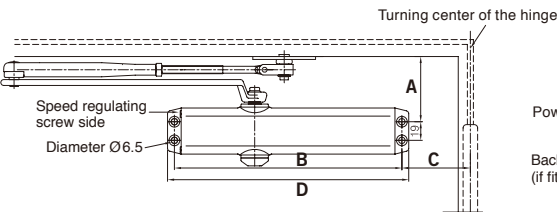
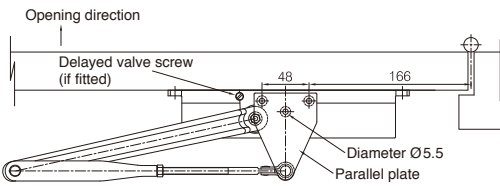


TYPE	A	B	C	D	E	F
83VP	246	97	232	200	49	49
85VP Fixing Position 1	282	55	268	210	55	52
85VP Fixing Position 2		90				
87VP	282	55	268	210	55	52

(Unit: mm)

Parallel arm installation

This illustration shows right hand configuration (DIN L).

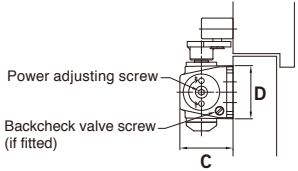
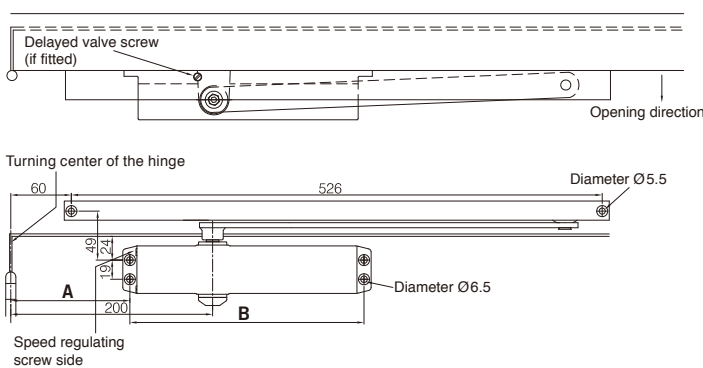


TYPE	A	B	C	D	E	F
83VP	69	232	70	246	49	49
85VP · 87VP	70	268	44	282	55	52

(Unit: mm)

Slide arm installation

This illustration shows right hand configuration (DIN L).



TYPE	A	B	C	D
83V-GL	118	232	49	49
85V-GL · 87V-GL	108	268	55	52

(Unit: mm)