

PRODUCT BULLETIN

greenteQ Delta Friction Stays



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Delta is a range of high quality friction stays for PVCu, aluminium and stormproof timber outward opening casement windows.

The hinges are available from VBH stock in a choice grade 430 ferritic stainless steel, or in super hard wearing grade 304 austenitic stainless steel.

Delta is available in a number of variants, including Standard top hung and side hung, Restricted pairs, Egress and Egress/Easy Clean (see separate Product Bulletin for information on the Egress variants).

All hinges, including the restricted variants, are supplied in pairs. A top hung restricted pair consists of 2 restricted hinges, and a side hung restricted pair includes a restricted hinge for the bottom and an unrestricted hinge of the opposite hand for the top).

All are available in stack heights to cover 13-14mm, and 16-17mm cavities.

All hinges are available in the standard lengths where applicable. i.e. 8, 10, 12, 16, 20 and 24" top hung, and 12 and 16" in all three side hung variants, along with 10 and 16" on the Egress versions.

Delta hinges are cycle tested to 25,000 normal operations and are tested in accordance with BS6375-2 and BS13126-6.

greenteQ friction stays are capable of passing PAS24 testing when fitted in conjunction with Delta Hinge Protectors in the window corners.

Benefits at a Glance:

- Ferritic and austenitic stainless steel options
- Standard, Restricted, Egress and Egress/Easy Clean variants
- All hinges are supplied in pairs for easy stock holding
- Q-secure PREMIUM product when used in conjunction with Delta Hinge Protectors.
- Covered by the greenteQ 10 year performance guarantee

VBH Order Codes can be found overleaf, along with size and weight information.

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VBH Order Codes

Ferritic Grade 430 Standard Friction Stay Pairs

| 13-14mm Cavity | 16-17mm Cavity | Description | Sash Width (mm) | Sash Height (mm) | Sash Weight (Kg) | Opening Angle | Box Qty (Pairs) |
|----------------|----------------|-------------|-----------------|------------------|------------------|---------------|-----------------|
| 2QFH1001 | 2QFH1031 | 8" TH | < 1200 | < 300 | 12 | 62° | 50 |
| 2QFH1002 | 2QFH1032 | 10" TH | < 1200 | < 450 | 16 | 90° | 50 |
| 2QFH1003 | 2QFH1033 | 12" TH | < 1200 | < 600 | 21 | 86° | 25 |
| 2QFH1004 | 2QFH1034 | 16" TH | < 1200 | < 750 | 22 | 83° | 25 |
| 2QFH1005 | 2QFH1035 | 20" TH | < 1200 | < 900 | 24 | 42° | 25 |
| 2QFH1006 | 2QFH1036 | 24" TH | < 1200 | < 1500 | 50 | 38° | 25 |
| 2QFH1003 | 2QFH1033 | 12" SH | < 600 | < 1200 | 24 | 86° | 25 |
| 2QFH1004 | 2QFH1034 | 16" SH | < 700 | < 1300 | 26 | 83° | 25 |

Ferritic Grade 430 Restricted Friction Stay Pairs

| 13-14mm Cavity | 16-17mm Cavity | Description | Sash Width (mm) | Sash Height (mm) | Sash Weight (Kg) | Opening Angle | Box Qty (Pairs) |
|----------------|----------------|--------------|-----------------|------------------|------------------|---------------|-----------------|
| 2QFH1015 | 2QFH1045 | 12" TH | < 1200 | < 600 | 20 | 11/59° | 25 |
| 2QFH1016 | 2QFH1046 | 16" TH | < 1200 | < 750 | 24 | 10/48° | 25 |
| 2QFH1017 | 2QFH1047 | 20" TH | < 1200 | < 900 | 24 | 8.5/45° | 25 |
| 2QFH1018 | 2QFH1048 | 24" TH | < 1200 | < 1500 | 50 | 7.6/45° | 25 |
| 2QFH1021 | 2QFH1051 | 12" SH Left | < 650 | < 1250 | 20 | 11/59° | 25 |
| 2QFH1022 | 2QFH1052 | 12" SH Right | < 650 | < 1250 | 20 | 11/59° | 25 |
| 2QFH1023 | 2QFH1053 | 16" SH Left | < 700 | < 1300 | 24 | 10/48° | 25 |
| 2QFH1024 | 2QFH1054 | 16" SH Right | < 700 | < 1300 | 24 | 10/48° | 25 |

Austenitic Grade 304 Standard Friction Stay Pairs

| 13-14mm Cavity | 16-17mm Cavity | Description | Sash Width (mm) | Sash Height (mm) | Sash Weight (Kg) | Opening Angle | Box Qty (Pairs) |
|----------------|----------------|-------------|-----------------|------------------|------------------|---------------|-----------------|
| 2QFH1101 | 2QFH1131 | 8" TH | < 1200 | < 300 | 12 | 62° | 50 |
| 2QFH1102 | 2QFH1132 | 10" TH | < 1200 | < 450 | 16 | 90° | 50 |
| 2QFH1103 | 2QFH1133 | 12" TH | < 1200 | < 600 | 21 | 86° | 25 |
| 2QFH1104 | 2QFH1134 | 16" TH | < 1200 | < 750 | 22 | 83° | 25 |
| 2QFH1105 | 2QFH1135 | 20" TH | < 1200 | < 900 | 24 | 42° | 25 |
| 2QFH1106 | 2QFH1136 | 24" TH | < 1200 | < 1500 | 50 | 38° | 25 |
| 2QFH1103 | 2QFH1133 | 12" SH | < 600 | < 1200 | 24 | 86° | 25 |
| 2QFH1104 | 2QFH1134 | 16" SH | < 700 | < 1300 | 26 | 83° | 25 |

Austenitic Grade 304 Restricted Friction Stay Pairs

| 13-14mm Cavity | 16-17mm Cavity | Description | Sash Width (mm) | Sash Height (mm) | Sash Weight (Kg) | Opening Angle | Box Qty (Pairs) |
|----------------|----------------|--------------|-----------------|------------------|------------------|---------------|-----------------|
| 2QFH1115 | 2QFH1145 | 12" TH | < 1200 | < 600 | 20 | 11/59° | 25 |
| 2QFH1116 | 2QFH1146 | 16" TH | < 1200 | < 750 | 24 | 10/48° | 25 |
| 2QFH1117 | 2QFH1147 | 20" TH | < 1200 | < 900 | 24 | 8.5/45° | 25 |
| 2QFH1118 | 2QFH1148 | 24" TH | < 1200 | < 1500 | 50 | 7.6/45° | 25 |
| 2QFH1121 | 2QFH1151 | 12" SH Left | < 650 | < 1250 | 20 | 11/59° | 25 |
| 2QFH1122 | 2QFH1152 | 12" SH Right | < 650 | < 1250 | 20 | 11/59° | 25 |
| 2QFH1123 | 2QFH1153 | 16" SH Left | < 700 | < 1300 | 24 | 10/48° | 25 |
| 2QFH1124 | 2QFH1154 | 16" SH Right | < 700 | < 1300 | 24 | 10/48° | 25 |