# Providing service to the Road Transport Industry

AMARI

Ireland's largest independent multi-metals stockholder

# Delivering Customer Service, Investing in Capability

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- Ongoing investment in technology and logistics to ensure on-time delivery

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## www.aalco.co.uk

Where possible drawings are actual size. Unless otherwise stated diagrams are in mm.

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WEIGHTS
All weights shown in this publication are for guidance only. They are calculated using nominal dimensions and scientifically recognised densities. Please note that in practice, the actual weight can vary significantly from the theoretical weight due to variations in manufacturing tolerances and compositions.

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Aluminium Extrusions

## Round Bar

| Diameter | Kg/M |
|---|---|
| ¼″ | 0.1 |
| 5/16″ | 0.1 |
| ⅜″ | 0.2 |
| ½″ | 0.3 |
| ⅝″ | 0.5 |
| ¾″ | 0.8 |
| ⅞″ | 1.1 |
| 1″ | 1.4 |
| 1⅛″ | 1.7 |
| 1¼″ | 2.1 |
| 1⅜″ | 2.6 |
| 1½″ | 3.1 |
| 1⅝″ | 3.6 |
| 1¾″ | 4.2 |
| 1⅞″ | 4.8 |
| 2″ | 5.5 |
| 2⅛″ | 6.2 |
| 2¼″ | 6.9 |
| 2⅜″ | 7.7 |
| 2½″ | 8.6 |
| 2⅝″ | 9.4 |
| 2¾″ | 10.4 |
| 3″ | 12.3 |
| 3¼″ | 14.5 |
| 3½″ | 16.8 |
| 3¾″ | 19.2 |
| 4″ | 21.9 |
| 4¼″ | 24.7 |
| 4½″ | 27.7 |
| 4¾″ | 30.9 |
| 5″ | 34.2 |
| 5¼″ | 37.7 |
| 5½″ | 41.4 |
| 5¾″ | 45.2 |
| 6″ | 49.3 |
| 6½″ | 57.8 |
| 7″ | 67.0 |
| 7¼″ | 71.9 |
| 7½″ | 77.0 |
| 8″ | 87.6 |
| 8½″ | 98.9 |
| 9″ | 110.8 |
| 9½″ | 123.5 |
| 10″ | 136.8 |
| 12″ | 197.0 |
| 13″ | 231.2 |
| 14″ | 268.2 |
| 15″ | 307.8 |
| 16″ | 350.2 |

## Flat Bar

| Size | Kg/M |
|---|---|
| ⅜″ x ¼″ | 0.2 |
| ½″ x ⅛″ | 0.1 |
| ½″ x ¼″ | 0.2 |
| ½″ x 3/16″ | 0.2 |
| ½″ x ⅜″ | 0.3 |
| ⅝″ x ⅛″ | 0.1 |
| ⅝″ x 3/16″ | 0.2 |
| ⅝″ x ¼″ | 0.3 |
| ⅝″ x ⅜″ | 0.4 |
| ⅝″ x ½″ | 0.5 |
| ¾″ x ⅛″ | 0.2 |
| ¾″ x 3/16″ | 0.2 |
| ¾″ x ¼″ | 0.3 |
| ¾″ x ⅜″ | 0.5 |
| ¾″ x ½″ | 0.7 |
| ¾″ x ⅝″ | 0.8 |
| ⅞″ x ⅛″ | 0.2 |
| 1″ x 1/16″ | 0.1 |
| 1″ x ⅛″ | 0.2 |
| 1″ x 3/16″ | 0.3 |
| 1″ x ¼″ | 0.4 |
| 1″ x 5/16″ | 0.5 |
| 1″ x ⅜″ | 0.7 |
| 1″ x ½″ | 0.9 |
| 1″ x ⅝″ | 1.1 |
| 1″ x ¾″ | 1.3 |
| 1¼″ x ⅛″ | 0.3 |
| 1¼″ x 3/16″ | 0.4 |
| 1¼″ x ¼″ | 0.5 |
| 1¼″ x ⅜″ | 0.8 |
| 1¼″ x ½″ | 1.1 |
| 1¼″ x ⅝″ | 1.4 |
| 1¼″ x ¾″ | 1.6 |
| 1¼″ x 1″ | 2.2 |
| 1½″ x ⅛″ | 0.3 |
| 1½″ x 3/16″ | 0.5 |
| 1½″ x ¼″ | 0.7 |
| 1½″ x ⅜″ | 1.0 |
| 1½″ x ½″ | 1.3 |
| 1½″ x ⅝″ | 1.6 |
| 1½″ x ¾″ | 2.0 |
| 1½″ x 1″ | 2.6 |
| 1½″ x 1¼″ | 3.3 |
| 1¾″ x ¼″ | 0.8 |
| 1¾″x ⅜″ | 1.1 |
| 1¾″ x ½″ | 1.5 |
| 1¾″ x ¾″ | 2.3 |

| Size | Kg/M |
|---|---|
| 1¾″ x 1″ | 3.1 |
| 1¾″ x 1¼″ | 3.8 |
| 2″ x ⅛″ | 0.4 |
| 2″ x 3/16″ | 0.7 |
| 2″ x ¼″ | 0.9 |
| 2″ x ⅜″ | 1.3 |
| 2″ x ½″ | 1.7 |
| 2″ x ⅝″ | 2.2 |
| 2″ x ¾″ | 2.6 |
| 2″ x 1″ | 3.5 |
| 2″ x 1¼″ | 4.4 |
| 2″ x 1½″ | 5.2 |
| 2½″ x 3/16″ | 0.8 |
| 2½″ x ¼″ | 1.1 |
| 2½″ x ⅜″ | 1.6 |
| 2½″ x ½″ | 2.2 |
| 2½″ x ¾″ | 3.3 |
| 2½″ x 1″ | 4.4 |
| 2½″ x 1½″ | 6.5 |
| 2½″ x 2″ | 8.7 |
| 3″ x 3/16″ | 1.0 |
| 3″ x ⅛″ | 0.7 |
| 3″ x ¼″ | 1.3 |
| 3″ x ⅜″ | 2.0 |
| 3″ x ½″ | 2.6 |
| 3″ x ⅝″ | 3.3 |
| 3″ x 1″ | 5.2 |
| 3″ x 2″ | 10.5 |
| 3½″ x ¼″ | 1.5 |
| 3½″ x ½″ | 3.1 |
| 4″ x ⅛″ | 0.9 |
| 4″ x 3/16″ | 1.3 |
| 4″ x ¼″ | 1.7 |
| 4″ x ⅜″ | 2.6 |
| 4″ x ½″ | 3.5 |
| 4″ x ⅝″ | 4.4 |
| 4″ x ¾″ | 5.2 |
| 4″ x 1″ | 7.0 |
| 4″ x 1¼″ | 8.7 |
| 4″ x 2″ | 13.9 |
| 5″ x ½″ | 4.4 |
| 5″ x ¼″ | 2.2 |
| 6″ x ¼″ | 2.6 |
| 6″ x ⅜″ | 3.9 |
| 6″ x ½″ | 5.2 |
| 6″x 1″ | 10.5 |

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## Square Bar

| Size | Kg/M |
|---|---|
| ¼" SQUARE | 0.1 |
| 5/16" SQUARE | 0.2 |
| ⅜" SQUARE | 0.3 |
| ½" SQUARE | 0.4 |
| ⅝" SQUARE | 0.7 |
| ¾" SQUARE | 1.0 |
| ⅞" SQUARE | 1.3 |
| 1" SQUARE | 1.7 |
| 1¼" SQUARE | 2.7 |
| 1½" SQUARE | 3.9 |
| 1¾" SQUARE | 5.3 |
| 2" SQUARE | 7.0 |
| 2½" SQUARE | 10.9 |
| 3" SQUARE | 15.8 |
| 3½" SQUARE | 21.4 |
| 4" SQUARE | 27.9 |

## Box Section - Square

| Size | Kg/M |
|---|---|
| ½" SQ x 16SWG | 0.2 |
| ¾" SQ x 16SWG | 0.3 |
| 1" SQ x 16SWG | 0.4 |
| 1" SQ x 10SWG | 0.8 |
| 1¼" SQ x 16SWG | 0.5 |
| 1¼" SQ x 10SWG | 1.0 |
| 1½" x ¾" x 1/16" | 0.5 |
| 1½" x 1" x 16SWG | 0.5 |
| 1½" x 1" x10SWG | 1.0 |
| 1½" SQ x 16SWG | 0.6 |
| 1½" SQ x 10SWG | 1.2 |
| 1¾" SQ x 10SWG | 1.5 |
| 50mm SQ x 3.0mm | 1.5 |
| 2" x 1" x 10SWG | 1.2 |
| 2" x 1½" x 10SWG | 1.5 |
| 2" SQ x ¼" | 3.0 |
| 2" SQ x 16SWG | 0.9 |
| 2" SQ x 10SWG | 1.7 |
| 2½" SQ x 10SWG | 2.1 |
| 3" x 1" x 10SWG | 1.7 |
| 3" x 1½" x 10SWG | 1.9 |
| 3" x 2" x 10SWG | 2.1 |
| 3" SQ x 10SWG | 2.6 |
| 4" x 1" x 10SWG | 2.1 |
| 4" x 1¾" x 10SWG | 2.5 |
| 4" x 2" x 10SWG | 2.6 |
| 4" SQ x 10SWG | 3.5 |
| 4" SQ x ¼" | 6.5 |
| 6" x 2" x 10SWG | 3.5 |
| 6" x 3" x ⅜" | 10.8 |

## Round Tube

| Size | Kg/M |
|---|---|
| ⅜" O/D x 16SWG | 0.1 |
| ½" O/D x 18SWG | 0.1 |
| ½" O/D x 16SWG | 0.2 |
| ½" O/D x 10SWG | 0.3 |
| ⅝" O/D x 18SWG | 0.2 |
| ⅝" O/D x 16SWG | 0.2 |
| ⅝" O/D x 10SWG | 0.4 |
| ¾" O/D x 18SWG | 0.2 |
| ¾" O/D x 16SWG | 0.2 |
| ¾" O/D x 10SWG | 0.4 |
| ⅞" O/D x 18SWG | 0.2 |
| ⅞" O/D x 16SWG | 0.3 |
| ⅞" O/D x 10SWG | 0.5 |
| 1" O/D x 18SWG | 0.3 |
| 1" O/D x 16SWG | 0.3 |
| 1" O/D x 10SWG | 0.6 |
| 1" O/D x 3/16" | 0.8 |
| 1" O/D x ¼" | 1.0 |
| 1⅛" O/D x 16SWG | 0.4 |
| 1⅛" O/D x 10SWG | 0.7 |
| 1¼" O/D x 16SWG | 0.4 |
| 1¼" O/D x 3/16" | 1.1 |
| 1¼" O/D x 18SWG | 0.3 |
| 1¼" O/D x 10SWG | 0.8 |
| 1⅜" O/D x 16SWG | 0.5 |
| 1⅜" O/D x 10SWG | 0.9 |
| 1½" O/D x 18SWG | 0.4 |
| 1½" O/D x 16SWG | 0.5 |
| 1½" O/D x 10SWG | 1.0 |
| 1½" O/D x 3/16" | 1.4 |
| 1½" O/D x ¼" | 1.7 |
| 1⅝" O/D x 16SWG | 0.5 |
| 1⅝" O/D x 10SWG | 1.0 |

## Box Section - Rectangular

| Size | Kg/M |
|---|---|
| 1½" x ¾" x 1/16" | 0.5 |
| 1½" x 1" x 16SWG | 0.5 |
| 1½" x 1" x 10SWG | 1.0 |
| 50mm x 25mm x 3.0mm | 1.2 |
| 2" x 1" x 10SWG | 1.2 |
| 2" x 1½" x 10SWG | 1.5 |
| 3" x 1" x 10SWG | 1.7 |
| 3" x 1½" x 10SWG | 1.9 |
| 3" x 2" x 10SWG | 2.1 |
| 4" x 1" x 10SWG | 2.1 |
| 4" x 1¾" x 10SWG | 2.5 |
| 4" x 2" x 10SWG | 2.6 |
| 6" x 2" x 10SWG | 3.5 |
| 6" x 3" x ⅜" | 10.8 |

## Tee Section

| Size | Kg/M |
|---|---|
| 2" x 1" x ⅛" | 0.6 |
| 2" x 2" x 3/16" | 1.3 |
| 2" x 2" x ⅛" | 0.9 |
| 2" x 2" x ¼" | 1.6 |
| 3" x 3" x ¼" | 2.5 |
| ¾" x ¾" x ⅛" | 0.3 |
| 1" x 1" x ⅛" | 0.4 |
| 1¼" x 1¼" x ⅛" | 0.5 |
| 1½" x 1½" x 3/16" | 0.9 |
| 1½" x 1½" x ¼" | 1.2 |
| 1½"x 1½" x ⅛" | 0.6 |

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## Channel

| Size | Kg/M |
|---|---|
| 3/8" x 3/8" x 1/16" x 1/16" | 0.1 |
| 1/2" x 1/2" x 1/16" x 1/16" | 0.2 |
| 1/2" x 1/2" x 1/8" x 1/8" | 0.3 |
| 5/8" x 5/8" x 1/16" x 1/16" | 0.2 |
| 5/8" x 5/8" x 1/8" x 1/8" | 0.4 |
| 3/4" x 3/4" x 1/16" x 1/16" | 0.2 |
| 3/4" x 3/4" x 1/8" x 1/8" | 0.4 |
| 7/8" x 7/8" x 1/8" x 1/8" | 0.5 |
| 1" x 1/2" x 1/8" x 1/8" | 0.4 |
| 1" x 3/4" x 1/8" x 1/8" | 0.5 |
| 1" x 1" x 1/16" x 1/16" | 0.3 |
| 1" x 1" x 1/8" x 1/8" | 0.6 |
| 1 1/4" x 3/4" x 1/8" x 1/8" | 0.6 |
| 1 1/4" x 1" x 1/8" x 1/8" | 0.7 |
| 1 1/4" x 1 1/4" x 1/8" x 1/8" | 0.8 |
| 1 1/2" x 1/2" x 1/8" x 1/8" | 0.5 |
| 1 1/2" x 3/4" x 1/8" x 1/8" | 0.6 |
| 1 1/2" x 1" x 1/8" x 1/8" | 0.7 |
| 1 1/2" x 1 1/2" x 1/8" x 1/8" | 0.9 |
| 1 1/2" x 1 1/2" x 3/16" x 3/16" | 1.4 |
| 1 1/2" x 1 1/2" x 1/4" x 1/4" | 1.7 |
| 1 3/4" x 1" x 1/8" x 1/8" | 0.8 |
| 2" x 1/2" x 1/8" x 1/8" | 0.6 |
| 2" x 3/4" x 1/8" x 1/8" | 0.7 |
| 2" x 1" x 1/8" x 1/8" | 0.8 |
| 2" x 1" x 3/16" x 3/16" | 1.2 |
| 2" x 1" x 1/4" x 1/4" | 1.5 |
| 2" x 1 1/2" x 1/8" x 1/8" | 1.0 |
| 2" x 1 1/2" x 1/4" x 1/4" | 2.0 |
| 2" x 2"x 1/8" x 1/8" | 1.3 |
| 2" x 2" x 3/16" x 3/16" | 1.9 |
| 2" x 2" x 1/4" x 1/4" | 2.4 |
| 2 1/4" x 1 1/4" x 3/16" x 3/16" | 1.4 |
| 2 1/2" x 1" x 1/8" x 1/8" | 0.9 |
| 2 1/2" x 1 1/4" x 3/16" x 3/16" | 1.5 |
| 3" x 1" x 1/8" x 1/8" | 1.0 |
| 3" x 1 1/2" x 1/8" x 1/8" | 1.3 |
| 3" x 1 1/2" x 3/16" x 3/16" | 1.8 |
| 3" x 1 1/2" x 1/4" x 5/16" | 2.7 |
| 3" x 2" x 1/8" x 1/8" | 1.8 |
| 3" x 2" x 3/16" x 3/16" | 2.2 |
| 3" x 2" x 1/4" x 1/4" | 2.8 |
| 3 1/2" x 1 1/2" x 1/4" x 5/16" | 3.0 |
| 4" x 2" x 1/8" x 1/8" | 1.7 |
| 4" x 2" x 1/4" x 5/16" | 3.7 |
| 5" x 2" x 1/4" x 5/16" | 4.0 |
| 6" x 2" x 1/4" x 5/16" | 4.5 |
| 6" x 3" x 1/4" x 3/8" | 6.2 |
| 6" x 3" x 3/8" x 1/2" | 8.5 |
| 8" x 3" x 3/8" x 1/2" | 9.8 |
| 10" x 3" x 3/8" x 1/2" | 11.1 |

## Equal Angle

| Size | Kg/M |
|---|---|
| 1/2" x 1/2" x 1/16" | 0.1 |
| 1/2" x 1/2" X 1/8" | 0.2 |
| 5/8" x 5/8" x 1/16" | 0.1 |
| 5/8" x 5/8" x 1/8" | 0.3 |
| 3/4" x 3/4" x 1/16" | 0.2 |
| 3/4" x 3/4" x 1/8" | 0.3 |
| 7/8" x 7/8" x 1/8" | 0.4 |
| 25mm X 25mm X 3.0mm | 0.4 |
| 1" x 1" x 1/16" | 0.2 |
| 1" x 1" x 1/8" | 0.4 |
| 1" x 1" x 3/16" | 0.6 |
| 1" x 1" x 1/4" | 0.8 |
| 1 1/4" x 1 1/4" x 1/16" | 0.3 |
| 1 1/4" x 1 1/4" x 1/8" | 0.5 |
| 1 1/4" x 1 1/4" x 3/16" | 0.8 |
| 1 1/4" x 1 1/4" x 1/4" | 1.0 |
| 1 1/2" x 1 1/2" x 1/16" | 0.3 |
| 1 1/2" x 1 1/2" x 1/8" | 0.6 |
| 1 1/2" x 1 1/2" x 3/16" | 0.9 |
| 1 1/2" x 1 1/2" x 1/4" | 1.2 |

| Size | Kg/M |
|---|---|
| 1 1/2" x 1 1/2" x 1/4" x 1/4" | 1.7 |
| 1 3/4" x 1 3/4"x 1/8" | 0.7 |
| 50mm x 50mm x 3.0mm | 0.8 |
| 1 3/4" x 1 3/4" x 3/16" | 1.0 |
| 1 3/4" x 1 3/4" x 1/4" | 1.4 |
| 2" x 2" x 1/16" | 0.4 |
| 2" x 2" x 1/8" | 0.9 |
| 2" x 2" x 3/16" | 1.2 |
| 2" x 2" x 1/4" | 1.6 |
| 2" x 2" x 3/8" | 2.4 |
| 2 1/2" x 2 1/2" x 1/8" | 1.0 |
| 2 1/2" x 2 1/2" x 3/16" | 1.6 |
| 2 1/2" x 2 1/2" x 1/4" | 2.0 |
| 3" x 3" x 1/8" | 1.3 |
| 3" x 3" x 3/16" | 1.9 |
| 3" x 3" x 1/4" | 2.5 |
| 3" x 3" x 3/8" | 3.7 |
| 4" x 4" x 1/4" | 3.4 |
| 4" x 4" x 3/8" | 5.0 |
| 6" x 6" x 1/2" | 10.0 |

## Unequal Angle

| Size | Kg/M |
|---|---|
| 3/4" x 1/2" x 1/16" | 0.1 |
| 3/4" x 1/2" x 1/8" | 0.3 |
| 1" x 1/2" x 1/16" | 0.2 |
| 1" x 1/2" x 1/8" | 0.3 |
| 1" x 5/8" x 1/8" | 0.3 |
| 1" x 3/4" x 1/16" | 0.2 |
| 1" x 3/4" x 1/8" | 0.4 |
| 1 1/4" x 1/2" x 1/8" | 0.4 |
| 1 1/4" x 3/4" x 1/8" | 0.4 |
| 1 1/4" x 1" x 1/8" | 0.5 |
| 1 1/2" x 3/4" x1/8" | 0.5 |
| 1 1/2" x 1" x 1/8" | 0.5 |
| 1 3/4" x 1" x 1/8" | 0.6 |
| 2" x 1/2" x 1/8" | 0.5 |
| 2" x 3/4" x 1/8" | 0.6 |
| 50mm x 25mm x 3.0mm | 0.6 |
| 2" x 1" x 1/8" | 0.6 |
| 2" x 1" x 3/16" | 0.9 |
| 2" x 1" x 1/4" | 1.2 |

| Size | Kg/M |
|---|---|
| 2" x 1 1/2" x 1/8" | 0.7 |
| 2" x 1 1/2" x 3/16" | 1.1 |
| 2" x 1 1/2" x 1/4" | 1.4 |
| 2 1/2" x 1" x 1/8" | 0.7 |
| 2 1/2" x 1 1/2" x 3/16" | 1.2 |
| 2 1/2" x 1 1/2" x 1/4" | 1.6 |
| 3" x 1" x 1/8" | 0.9 |
| 3" x 1" x 1/4" | 1.6 |
| 3" x 1 1/2" x 1/8" | 1.0 |
| 3" x 1 1/2" x 3/16" | 1.4 |
| 3" x 1 1/2" x 1/4" | 1.9 |
| 3" x 2" x 1/8" | 1.0 |
| 3" x 2" x 3/16" | 1.6 |
| 3" x 2" x 1/4" | 2.0 |
| 4" x 1" x 1/8" | 1.1 |
| 4" x 2" x 1/8" | 1.3 |
| 4" x 2" x 1/4" | 2.5 |
| 4" x 3" x 1/4" | 2.9 |
| 6" x 3" x 3/8" | 5.6 |

## RT Channel

| Size | Kg/M |
|---|---|
| 4" x 2" x 1/4" x 5/16" | 3.8 |
| 5" x 2" x 1/4" x 5/16" | 4.2 |
| 5" x 2 1/2" x 1/4" x 3/8" | 5.3 |
| 6" x 3" x 1/4" x 3/8" | 6.4 |

| Size | Kg/M |
|---|---|
| 6" x 3" x 3/8" x 1/2" | 8.7 |
| 8" x 3" x 3/8" x 1/2" | 9.8 |
| 9" x 3" x 3/8" x 1/2" | 9.3 |
| 10" x 3" x 3/8" x 1/2" | 11.1 |

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## Aluminium Rolled Products

### Sheet

| Size | Kg/Sheet |
|---|---|
| 2000mm x 1000mm x 3.0mm | 16.3 |
| 2500mm x 1000mm x 3.0mm | 20.6 |
| 2500mm x 1250mm x 3.0mm | 25.5 |
| 3000mm x 1250mm x 3.0mm | 31.0 |
| 3100mm x 1250mm x 3.0mm | 32.0 |
| 3250mm x 1250mm x 3.0mm | 33.4 |
| 3500mm x 1250mm x 3.0mm | 36.0 |
| 3658mm x 1250mm x 3.0mm | 37.4 |
| 3750mm x 1250mm x 3.0mm | 38.5 |
| 3000mm x 1400mm x 3.0mm | 34.5 |
| 4000mm x 1400mm x 3.0mm | 46.0 |
| 2500mm x 1500mm x 3.0mm | 30.8 |
| 3000mm x 1500mm x 3.0mm | 36.7 |
| 3100mm x 1500mm x 3.0mm | 38.2 |
| 3250mm x 1500mm x 3.0mm | 39.5 |
| 3500mm x 1500mm x 3.0mm | 43.2 |
| 3658mm x 1500mm x 3.0mm | 44.9 |
| 3750mm x 1500mm x 3.0mm | 46.2 |
| 2500mm x 1600mm x 3.0mm | 32.9 |
| 3000mm x 1600mm x 3.0mm | 39.4 |
| 4000mm x 1600mm x 3.0mm | 52.6 |
| 2500mm x 1750mm x 3.0mm | 35.9 |
| 3000mm x 1750mm x 3.0mm | 43.1 |
| 4000mm x 1750mm x 3.0mm | 57.5 |
| 3000mm x 2000mm x 3.0mm | 49.3 |
| 2438mm x 1219mm x 2.9mm | 23.5 |
| 2500mm X 1250mm x 2.9mm | 24.7 |
| 3100mm x 1250mm x 2.9mm | 30.7 |
| 3000mm x 1500mmx 2.9mm | 36.9 |
| 4000mm x 2000mm x 2.9mm | 63.3 |
| 2000mm x 1000mm x 2.5mm | 13.6 |
| 2500mm x 1250mm x 2.5mm | 21.2 |
| 2438mm x 1219mm x 2.48mm | 20.1 |
| 2500mm x 1000mm x 2.0mm | 13.7 |
| 3100mm x 1250mm x 2.0mm | 21.2 |
| 3250mm x 1250mm x 2.0mm | 22.3 |
| 3500mm x 1250mm x 2.0mm | 24.0 |
| 3658mm x 1250mm x 2.0mm | 25.0 |
| 3750mm x 1250mm x 2.0mm | 25.7 |
| 3000mm x 1400mm x 2.0mm | 23.0 |
| 4000mmx 1400mm x 2.0mm | 30.7 |
| 2500mm x 1500mm x 2.0mm | 20.6 |
| 2000mm x 1000mm x 2.5mm | 13.6 |

| Size | Kg/Sheet |
|---|---|
| 2500mm x 1250mm x 2.5mm | 21.2 |
| 2000mm x 1000mm x 2.0mm | 10.9 |
| 2500mm x 1250mm x 2.0mm | 17.0 |
| 3000mm x 1500mm x 2.0mm | 24.5 |
| 3250mm x 1500mm x 2.0mm | 26.7 |
| 3500mm x 1500mm x 2.0mm | 28.8 |
| 3658mm x 1500mm x 2.0mm | 30.0 |
| 3750mm x 1500mm x 2.0mm | 30.8 |
| 4000mm x 1500mm x 2.0mm | 32.9 |
| 2500mm x 1600mm x 2.0mm | 21.9 |
| 3000mm x 1600mm x 2.0mm | 26.3 |
| 4000mm x 1600mm x 2.0mm | 35.0 |
| 2500mm x 1750mm x 2.0mm | 24.0 |
| 3000mm x 1750mm x 2.0mm | 28.7 |
| 4000mm x 1750mm x 2.0mm | 38.3 |
| 3000mm x 2000mm x 2.0mm | 32.9 |
| 2438mm x 1219mm x 1.9mm | 15.4 |
| 2500mm x 1250mm x 1.9mm | 16.2 |
| 3100mm x 1250mm x 1.9mm | 20.1 |
| 3000mm x 1500mm x 1.9mm | 23.3 |
| 4000mm x 2000mm x 1.9mm | 41.5 |
| 2000mm x 1000mm x 1.5mm | 8.15 |
| 2500mm x 1000mm x 1.5mm | 10.3 |
| 3000mm x 1000mm x 1.5mm | 12.3 |
| 3100mm x 1000mm x 1.5mm | 12.7 |
| 2500mm x 1250mm x 1.5mm | 12.7 |
| 3250mm x 1250mm x 1.5mm | 16.7 |
| 3500mm x 1250mm x 1.5mm | 18.0 |
| 3658mm x 1250mm x 1.5mm | 18.7 |
| 3750mm x 1250mm x 1.5mm | 19.3 |
| 4000mm x 1250mm x 1.5mm | 20.6 |
| 2500mm x 1500mm x 1.5mm | 15.4 |
| 3000mm x 1500mm x 1.5mm | 18.3 |
| 3658mm x 1500mm x 1.5mm | 22.5 |
| 4000mm x 1500mm x 1.5mm | 24.7 |
| 2500mm x 1250mm x 1.2mm | 10.2 |
| 3658mm x 1250mm x 1.2mm | 15.0 |
| 3658mm x 1500mm x 1.2mm | 18.0 |
| 2438mm x 1219mm x 1.2mm | 9.7 |
| 2000mm x 1000mm x 1.2mm | 6.5 |
| 2000mm x 1000mm x 1.0mm | 5.4 |
| 2500mm x 1250mm x 1.0mm | 8.5 |
| 2438mm x 1219mm x 0.9mm | 7.3 |

### Plate

| Size | Kg/Sheet |
|---|---|
| 2500mm x 1250mm x 10.0mm | 85 |
| 2500mm x 1250mm x 12.0mm | 102 |
| 2500mm x 1250mm x 15.0mm | 127 |
| 2500mm x 1250mm x 20.0mm | 170 |
| 2500mm x 1250mm x 25.0mm | 212 |

### Stucco Sheet

| Size | Kg/Sheet |
|---|---|
| 2000mm x 1000mm x 0.5mm | 2.7 |
| 2500mm x 1250mm x 0.5mm | 4.3 |
| 2000mm x 1000mm x 0.6mm | 3.3 |
| 2500mm x 1250mm x 0.6mm | 5.1 |
| 2000mm x 1000mm x 0.7mm | 3.8 |
| 2500mm x 1250mm x 0.7mm | 6.0 |
| 2000mm x 1000mm x 0.8mm | 4.4 |
| 2500mm x 1250mm x 0.8mm | 6.8 |
| 3000mm x 1250mm x 0.9mm | 9.2 |
| 3000mm x 1500mm x 0.9mm | 11.1 |
| 2500mm x 1250mm x 1.0mm | 8.6 |
| 2500mm x 1250mm x 1.2mm | 10.3 |
| 3000mm x 1250mm x 1.2mm | 12.3 |
| 3000mm x 1500mm x 1.2mm | 14.8 |

### Shate

| Size | Kg/Sheet |
|---|---|
| 2000mm x 1000mm x 4.0mm | 21.7 |
| 2515mm x 1829mm x 6mm (8ft 3in x 6ft) | 71 |
| 2489mm x 1524mm x 6.2mm (8ft 2in x 5ft) | 64 |
| 2489mm x 1524mm x 6.2mm (8ft 2in x 5ft) | 64 |
| 2500mm x 1250mm x 4.0mm | 34.0 |
| 2595mm x 1874mm x 6.0mm | 79 |
| 3000mm x 1500mm x 4.0mm | 48.9 |
| 2000mm x 1000mm x 5.0mm | 27.2 |
| 2500mm x 1250mm x 5.0mm | 42.5 |
| 3000mm x 1500mm x 5.0mm | 61.1 |
| 2000mm x 1000mm x 6.0mm | 32.6 |
| 2500mm x 1250mm x 6.0mm | 50.9 |
| 2500mm x 1250mm x 8.0mm | 68.2 |
| 3000mm x 1500mm x 6.0mm | 73.4 |
| 3048mm x 2032mm x 4.76mm (10ft x 6ft 8in) | 80 |
| 3600mm x 2000mm x 4.76mm | 93 |

### White Painted Sheet

| Size | Kg/Sheet |
|---|---|
| 2000mm x 1000mm x 0.5mm | 2.8 |
| 2500mm x 1250mm x 0.5mm | 4.3 |
| 2000mm x 1000mm x 0.6mm | 3.3 |
| 2500mm x 1250mm x 0.6mm | 5.2 |
| 2500mm x 1250mm x 0.9mm | 7.6 |
| 2500mm x 1250mm x 1.2mm | 10.2 |
| 2500mm x 1250mm x 1.5mm | 12.8 |
| 2500mm x 1250mm x 2.0mm | 15.5 |

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## Aluminium Rolled Products

### TripleGrip Treadplate

| Size | Kg/Sheet |
|---|---|
| 2500mm x 1250mm x 1.5mm | 13.9 |
| 2500mm x 1250mm x 2.0mm | 18.1 |
| 2500mm x 1250mm x 3.0mm | 26.6 |

### Diamond Bright

| Size | Kg/Sheet |
|---|---|
| 2500mm x 1250mm x 1.5mm | 15.5 |
| 3000mm x 1500mm x 3.0mm | 40.0 |

### 5 Bar Treadplate

| Size | Kg/Sheet |
|---|---|
| 2438mm x 1219mm x 1.95mm | 16.5 |
| 2438mm x 1219mm x 2.0mm | 17.8 |
| 2500mm x 1250mm x 2.0mm | 18.7 |
| 3000mm x 1500mm x 2.0mm | 26.8 |
| 2438mm x 1219mm x 2.95mm | 24.9 |
| 2000mm x 1000mm x 3.0mm | 17.3 |
| 2438mm x 1219mm x 3.0mm | 25.7 |
| 2500mm x 1250mm x 3.0mm | 27.0 |
| 3000mm x 1500mm x 3.0mm | 38.9 |

| Size | Kg/Sheet |
|---|---|
| 2438mm x 1219mm x 4.4mm | 37.2 |
| 2000mm x 1000mm x 4.5mm | 25.0 |
| 2438mm x 1219mm x 4.5mm | 37.2 |
| 2500mm x 1250mm x 4.5mm | 39.2 |
| 3000mm x 1500mm x 4.5mm | 56.3 |
| 2438mm x 1219mm x 6.0mm | 49.2 |
| 2500mm x 1250mm x 6.0mm | 51.7 |
| 3000mm x 1500mm x 6.0mm | 74.3 |

## Stainless Steel Rolled Products

### Plate

| Size | Kg/Sheet |
|---|---|
| 2000mm x 1000mm x 3.0mm | 48 |
| 2500mm x 1250mm x 3.0mm | 75 |
| 3000mm x 1500mm x 3.0mm | 108 |
| 2000mm x 1000mm x 4.0mm | 64 |
| 2500mm x 1250mm x 4.0mm | 100 |
| 3000mm x 1500mm x 4.0mm | 144 |
| 2000mm x 1000mm x 5.0mm | 80 |
| 2500mm x 1250mmx 5.0mm | 125 |
| 2500mm x 1250mm x 6.0mm | 150 |
| 3000mm x 1500mm x 6.0mm | 216 |
| 2500mm x 1250mm x 8.0mm | 200 |
| 3000mm x 1500mm x 8.0mm | 288 |
| 2500mm x 1250mm x 10.0mm | 250 |
| 3000mm x 1500mm x 10.0mm | 360 |
| 2500mm x 1250mm x 12.0mm | 300 |
| 3000mm x 1500mm x 12.0mm | 432 |
| 2500mm x 1250mm x 1.0mm | 25.0 |
| 2000mm x 1000mm x 1.2mm | 19.2 |
| 2500mm x 1250mm x 1.2mm | 30.0 |
| 2000mm x 1000mm x 1.5mm | 24.0 |
| 2500mm x 1250mm x 1.5mm | 37.5 |
| 3000mm x 1500mm x 1.5mm | 54.0 |
| 2000mm x 1000mm x 2.0mm | 32.0 |
| 2500mm x 1250mm x 2.0mm | 50.0 |
| 3000mm x 1500mm x 2.0mm | 72.0 |
| 2500mm x 1250mm x 2.5mm | 62.5 |
| 2000mm x 1000mm x 3.0mm (HR) | 48.0 |
| 2500mm x 1250mm x 3.0mm (HR) | 75.0 |
| 3000mm x 1500mm x 3.0mm (HR) | 108.0 |

### Circle Polished Sheet

| Size | Kg/Sheet |
|---|---|
| 2500mm x 1250mm x 0.9mm | 23.0 |
| 2500mm x 1250mm x 1.2mm | 30.7 |
| 2500mm x 1250mm x 1.5mm | 38.4 |
| 2500mm x 1250mm x 2.0mm | 51.2 |

### Treadplate

| Size | Kg/Sheet |
|---|---|
| 3000mm x 1000mm x 3.0mm | 78 |
| 3000mm x 1250mm x 3.0mm | 98 |
| 3000mm x 1250mm x 4.5mm | 143 |
| 3000mm x 1250mm x 6.0mm | 180 |

### Sheet - Grit & Bright polished

| Size | Kg/Sheet |
|---|---|
| 2000mm x 1000mm x 0.7mm | 11.5 |
| 2500mm x 1250mm x 0.7mm | 17.9 |
| 2000mm x 1000mm x 0.9mm | 14.7 |
| 2500mm x 1250mm x 0.9mm | 23.0 |
| 3000mm x 1500mm x 0.9mm | 33.2 |
| 2000mm x 1000mm x 1.0mm | 16.4 |
| 2500mm x 1250mm x 1.0mm | 25.6 |
| 2000mm x 1000mm x 1.2mm | 19.6 |
| 2500mm x 1250mm x 1.2mm | 30.7 |
| 3000mm x 1500mm x 1.2mm | 44.2 |
| 2000mm x 1000mm x 1.5mm | 24.6 |
| 2500mm x 1250mm x 1.5mm | 38.4 |
| 3000mm x 1500mm x 1.5mm | 55.3 |
| 2000mm x 1000mm x 2.0mm | 32.7 |
| 2500mm x 1250mm x 2.0mm | 51.2 |
| 3000mm x 1500mm x 2.0mm | 73.7 |
| 2000mm x 1000mm x 2.5mm | 40.9 |
| 2500mm x 1250mm x 2.5mm | 63.9 |
| 3000mm x 1500mm x 2.5mm | 92.1 |
| 2000mm x 1000mm x 3.0mm | 49.6 |
| 2500mm x 1250mm x 3.0mm | 77.5 |
| 3000mm x 1500mm x 3.0mm | 111.6 |

### Round Decorative / Structural Tube

| Size | Kg/M |
|---|---|
| ½" OD x 1.5mm | 0.4 |
| ⅝" OD x 1.2mm | 0.4 |
| ⅝" OD x 1.5mm | 0.5 |
| ¾" OD x 18SWG | 0.5 |
| ¾" OD x 1.5mm | 0.7 |
| ⅞" OD x 1.2mm | 0.6 |
| ⅞" OD x 1.5mm | 0.8 |
| ⅞" OD x 2.0mm | 1.0 |
| 19mm OD x 1.2mm | 0.5 |
| 1" OD x 1.2mm | 0.7 |
| 1" OD x 1.5mm | 0.9 |
| 1" OD x 2.0mm | 1.2 |
| 25mm OD x 1.5mm | 0.9 |
| 25mm OD x 2.0mm | 1.1 |
| 1¼" OD x 1.2mm | 0.9 |
| 1¼" OD x 1.5mm | 1.1 |
| 1½" OD x 1.2mm | 1.1 |
| 1½" OD x 1.5mm | 1.4 |
| 1½" OD x 2.0mm | 1.8 |
| 1½" OD x 3.0mm | 2.6 |
| 1¾" OD x 1.5mm | 1.6 |
| 2" OD x 1.2mm | 1.5 |
| 2" OD x 1.5mm | 1.8 |
| 2" OD x 2.0mm | 2.4 |
| 2" OD x 3.0mm | 3.6 |
| 2½" OD x 1.5mm | 2.3 |
| 3" OD x 1.5mm | 2.8 |
| 3" OD x 3.0mm | 5.5 |
| 4" OD x 3.0mm | 7.3 |

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## Square Tube
## Grades 304 & 316 - Dull Polished

| Size | Kg/M |
|---|---|
| 12.7mm x 12.7mm x 1.2mm | 0.5 |
| 12.7mm x 12.7mm x 1.5mm | 0.6 |
| 15mm x 15mm x 1.2mm | 0.5 |
| 15mm x 15mm x 1.5mm | 0.7 |
| 20mm x 10mm x 1.5mm | 0.7 |
| 20mm x 20mm x 1.2mm | 0.7 |
| 20mm x 20mm x 1.5mm | 0.9 |
| 20mm x 20mm x 2.0mm | 1.20 |
| 25mm x 25mm x 1.2mm | 0.9 |
| 25mm x 25mm x 1.5mm | 1.2 |
| 25mm x 25mm x 2.0mm | 1.5 |
| 25mm x 25mm x 3.0mm | 2.2 |
| 30mm x 10mm x 1.2mm | 0.7 |
| 30mm x 10mm x 1.5mm | 0.9 |
| 30mm x 15mm x 1.5mm | 1.0 |
| 30mm x 20mm x 1.5mm | 1.2 |
| 30mm x 30mm x 1.2mm | 1.1 |
| 30mm x 30mm x 1.5mm | 1.4 |
| 30mm x 30mm x 2.0mm | 1.8 |
| 30mm x 30mm x 3.0mm | 2.7 |
| 40mm x 15mm x 1.5mm | 1.3 |
| 40mm x 20mm x 1.2mm | 1.1 |
| 40mm x 20mm x 1.5mm | 1.4 |
| 40mm x 20mm x 2.0mm | 1.8 |
| 40mm x 40mm x 1.2mm | 1.5 |
| 40mm x 40mm x 1.5mm | 1.9 |
| 40mm x 40mm x 2.0mm | 2.5 |
| 40mm x 40mm x 3.0mm | 3.8 |
| 40mm x 40mm x 4.0mm | 4.8 |
| 50mm x 25mm x 1.2mm | 1.4 |
| 50mm x 25mm x 1.5mm | 1.8 |
| 50mm x 25mm x 2.0mm | 2.3 |
| 50mm x 25mm x 3.0mm | 3.5 |
| 50mm x 30mm x 1.5mm | 1.9 |
| 50mm x 30mm x 2.0mm | 2.5 |
| 50mm x 30mm x 3.0mm | 3.8 |
| 50mm x 50mm x 1.5mm | 2.3 |
| 50mm x 50mm x 2.0mm | 3.0 |
| 50mm x 50mm x 3.0mm | 4.7 |
| 50mm x 50mm x 4.0mm | 6.0 |
| 50mm x 50mm x 5.0mm | 7.4 |
| 60mm x 20mm x 1.5mm | 1.9 |
| 60mm x 30mm x 1.5mm | 2.1 |
| 60mm x 30mm x 2.0mm | 2.8 |
| 60mm x 30mm x 3.0mm | 4.1 |
| 60mm x 40mm x 1.5mm | 2.3 |
| 60mm x 40mm x 2.0mm | 3.0 |

| Size | Kg/M |
|---|---|
| 60mm x 40mm x 3.0mm | 4.7 |
| 60mm x 60mmx 2.0mm | 3.7 |
| 60mm x 60mm x 3.0mm | 5.5 |
| 60mm x 60mm x 4.0mm | 7.2 |
| 60mm x 60mm x 5.0mm | 8.9 |
| 70mm x 70mm x 3.0mm | 6.5 |
| 80mm x 40mm x 1.5mm | 2.8 |
| 80mm x 40mm x 2.0mm | 3.7 |
| 80mm x 40mm x 3.0mm | 5.5 |
| 80mm x 40mm x 4.0mm | 7.2 |
| 80mm x 40mm x 5.0mm | 8.9 |
| 80mm x 60mm x 3.0mm | 6.5 |
| 80mm x 80mm x 2.0mm | 5.0 |
| 80mm x 80mm x 3.0mm | 7.5 |
| 80mm x 80mm x 4.0mm | 9.8 |
| 80mm x 80mm x 5.0mm | 12.4 |
| 100mm x 40mm x 3.0mm | 6.5 |
| 100mm x 50mm x 2.0mm | 4.7 |
| 100mm x 50mm x 3.0mm | 7.0 |
| 100mm x 50mm x 4.0mm | 9.0 |
| 100mm x 50mm x 5.0mm | 11.2 |
| 100mm x 100mm x 2.0mm | 6.4 |
| 100mm x 100mm x 3.0mm | 9.5 |
| 100mm x 100mm x 4.0mm | 12.4 |
| 100mm x 100mm x 5.0mm | 15.4 |
| 100mm x 100mm x 6.0mm | 17.5 |
| 100mm x 100mm x 8.0mm | 23.3 |
| 120mm x 60mm x 3.0mm | 8.4 |
| 120mm x 60mm x 4.0mm | 11.1 |
| 120mm x 60mm x 5.0mm | 13.8 |
| 120mm x 80mm x 3.0mm | 9.5 |
| 120mm x 80mm x 4.0mm | 12.4 |
| 120mm x 80mm x 5.0mm | 15.4 |
| 120mm x 120mm x 3.0mm | 11.8 |
| 120mm x 120mm x 4.0mm | 15.0 |
| 120mm x 120mm x 5.0mm | 18.7 |
| 100mm x 40mm x 3.0mm | 6.53 |
| 100mm x 50mm x 2.0mm | 4.7 |
| 100mm x 50mm x 3.0mm | 7.0 |
| 100mm x 50mm x 4.0mm | 9.0 |
| 100mm x 50mm x 5.0mm | 11.2 |
| 100mm x 100mm x 2.0mm | 6.4 |
| 100mm x 100mm x 3.0mm | 9.5 |
| 100mm x 100mm x 4.0mm | 12.4 |
| 100mm x 100mm x 5.0mm | 15.4 |
| 100mm x 100mm x 6.0mm | 17.5 |
| 100mm x 100mm x 8.0mm | 23.3 |

## Rectangular Tube
## Grades 304 & 316 - Dull Polished

| Size | Kg/M |
|---|---|
| 120mm x 60mm x 3.0mm | 8.4 |
| 120mm x 60mm x 4.0mm | 11.1 |
| 120mm x 60mm x 5.0mm | 13.8 |
| 120mm x 80mm x 3.0mm | 9.5 |
| 120mm x 80mm x 4.0mm | 12.4 |
| 120mm x 80mm x 5.0mm | 15.4 |
| 120mm x 120mm x 3.0mm | 11.8 |
| 120mm x 120mm x 4.0mm | 15.0 |
| 120mm x 120mm x 5.0mm | 18.7 |
| 120mm x 120mm x 6.0mm | 21.2 |
| 150mm x 50mm x 3.0mm | 9.5 |
| 150mm x 50mm x 5.0mm | 15.4 |
| 150mm x 100mm x 3.0mm | 11.7 |
| 150mm x 100mm x 4.0mm | 15.4 |
| 150mm x 100mm x 5.0mm | 18.8 |
| 150mm x 100mm x 6.0mm | 22.6 |
| 150mm x 100mm x 8.0mm | 27.9 |
| 150mm x 150mm x 3.0mm | 14.0 |
| 150mm x 150mm x 4.0mm | 18.6 |
| 150mm x 150mm x 5.0mm | 22.4 |
| 150mm x 150mm x 6.0mm | 27.4 |
| 150mm x 150mm x 8.0mm | 34.3 |
| 150mm x 150mm x 10.0mm | 41.7 |
| 200mm x 100mm x 3.0mm | 14.1 |
| 200mm x 100mm x 4.0mm | 18.6 |
| 200mm x 100mm x 5.0mm | 23.1 |
| 200mm x 100mm x 6.0mm | 27.5 |
| 200mm x 100mm x 8.0mm | 34.3 |
| 200mm x 100mm x 10.0mm | 41.6 |
| 200mm x 200mm x 3.0mm | 18.6 |
| 200mm x 200mm x 5.0mm | 30.4 |
| 200mm x 200mm x 6.0mm | 36.1 |
| 200mm x 200mm x 8.0mm | 47.1 |
| 200mm x 200mm x 10.0mm | 57.6 |
| 250mm x 150mm x 6.0mm | 36.8 |
| 250mm x 150mm x 8.0mm | 47.3 |

# A: Floors


## *Flooring Diagram* A1

## *Runners & Bearers*

FB1 **A2**
FB4 **A2**
LM/RN02 **A2**
FB58 **A3**
FB8 **A3**
FB11 **A4**
FB2 **A4**
Galvanised Steel Lipped Runners / Bearers **A5**
Galvanised Steel Plain Runners **A5**
RSRV125/7 **A5**
RSRV125/9 **A5**

## *Floor Planks*

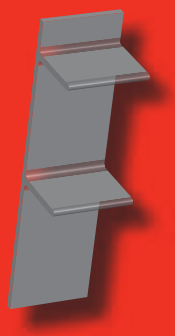
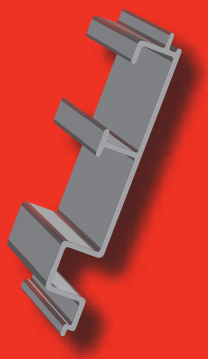
LM/FP01 - AalcoDek **A6**
FP12 (9" smooth) **A6**
FP24 **A6**
FP1 (8" smooth) **A7**
FP2 (8" ribbed) **A7**
FP4 **A8**
FP15 **A8**

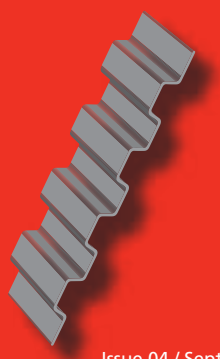
## *Flooring Materials*

Anti-Slip Flooring **A9**
AalcoMesh **A10**
Aalco HexaGrip **A10**
AalcoTrans **A10**
Technical Data **A11**
Keruing **A12**
EGL laminate **A12**

## *Kick Strips*

GRP15 **A13**
KS456 **A13**
KS1 **A13**



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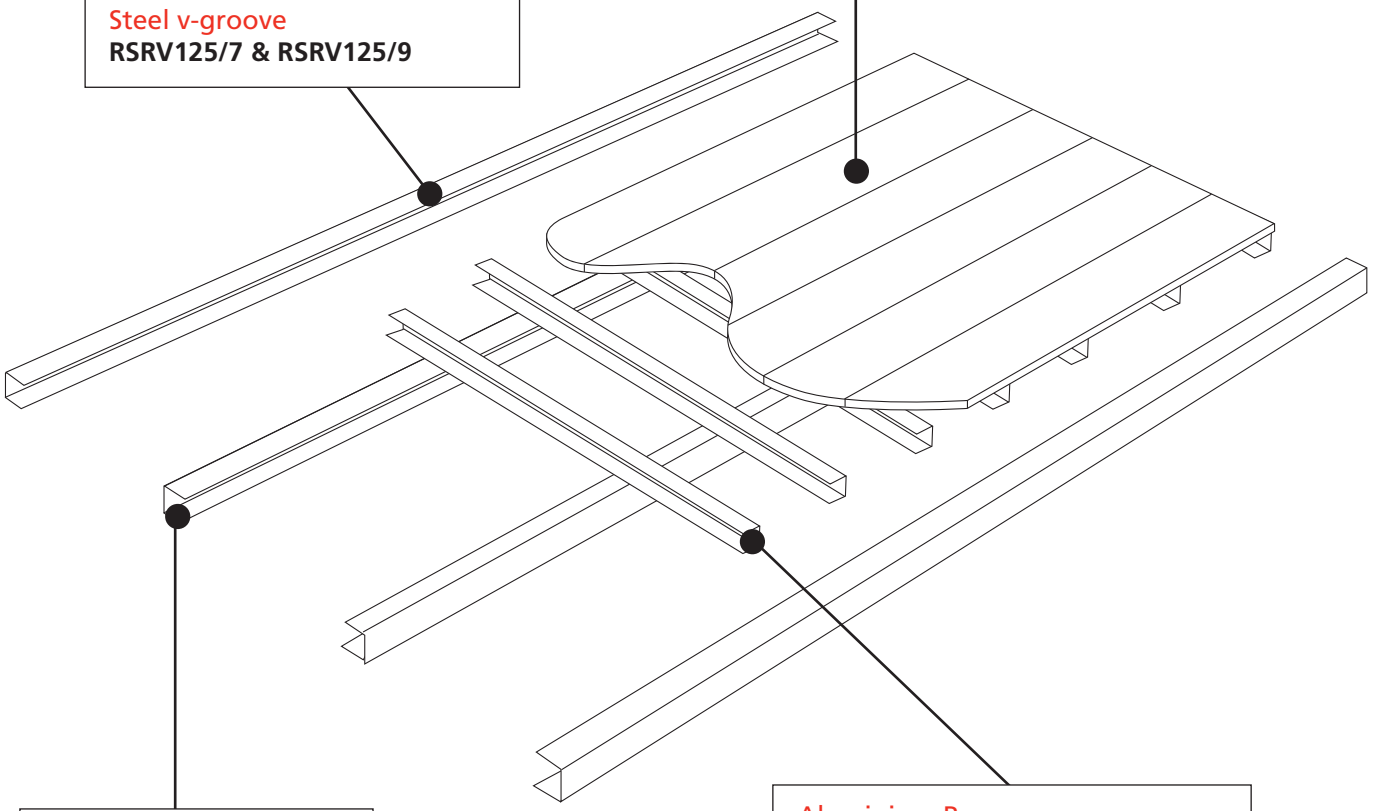
Aluminium Floor Planks
**FP1, FP2, FP12, FP24**

**AalcoMesh** (9mm - 30mm),
**Aalco HexaGrip** (9mm - 30mm)
and **AalcoTrans** (18mm & 24mm).
**Keruing** and **EGL laminate**

Mainsides / Side Raves
**SR3, SR4, SR5,**
**SR11, SR22, SR56,**
**SR61, SR1P, SR2P**

Steel v-groove
**RSRV125/7 & RSRV125/9**



Aluminium Runners
**FB1, FB58**

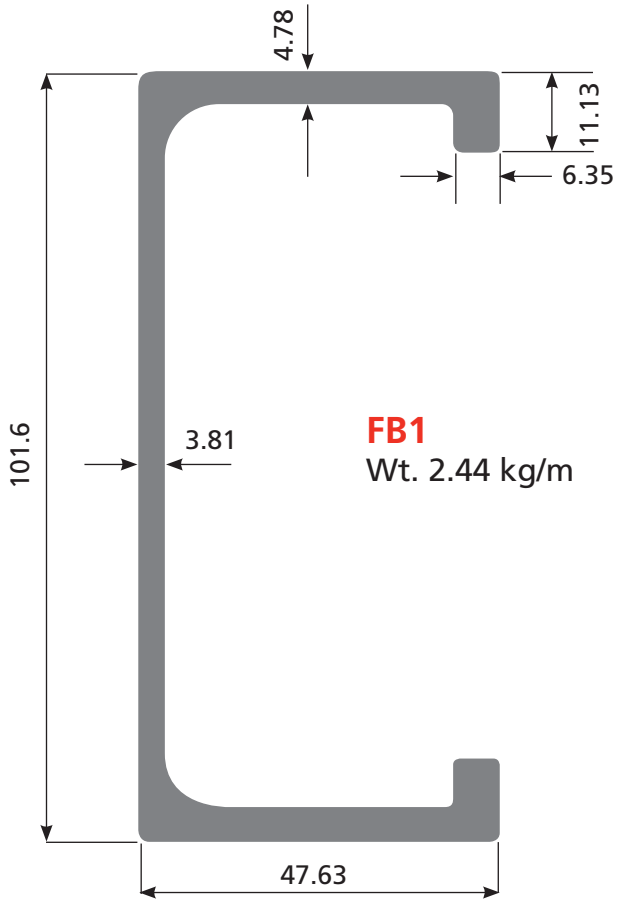
Galvanised Runners
**GB3-7620, GR5-100-6,**
**GR5-100-7, GR5-100-9,**
**GR5-127-7, GR5-127-9,**
**GR5-150-7, GR5-150-9**

Aluminium Bearers
**FB1, FB4, FB8**

Aluminium Rear Bearers
**FB2, FB11**
*(note only one used per build)*

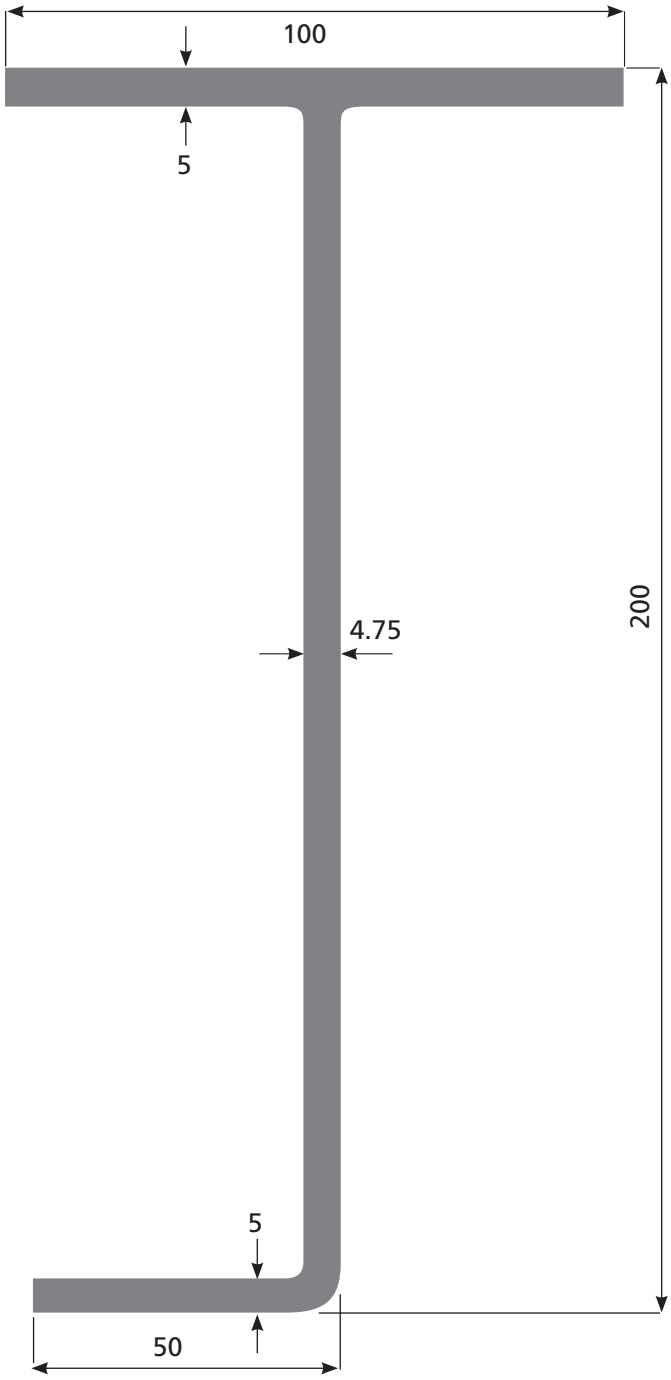
Steel Bearers
**GB2-2134, GB23-2438, GB23-2540,**
**GB23-2550, GB3-2438, GB3-2550**

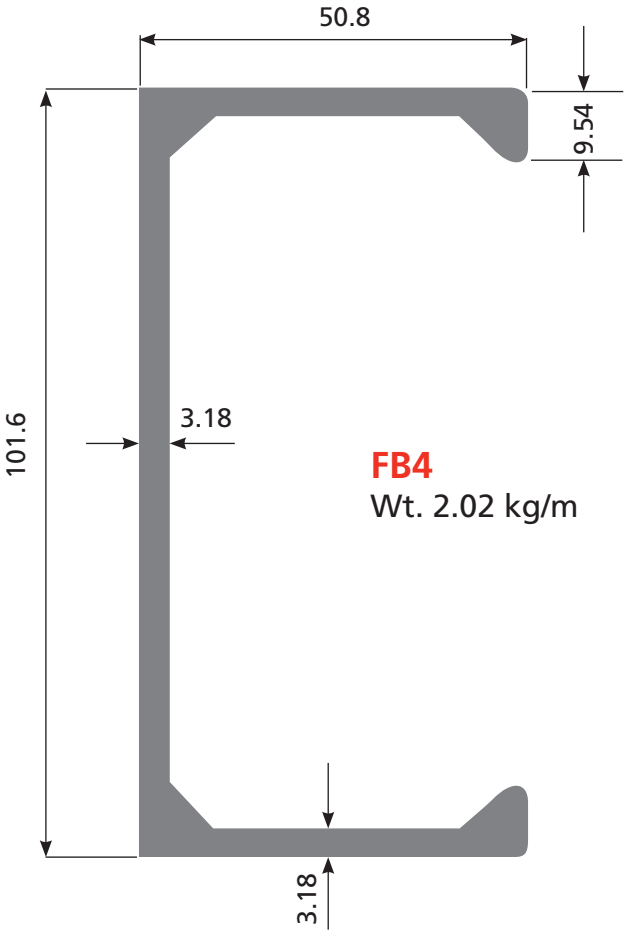
Please note other sizes are available. Bearer spacings are recommended at 400mm



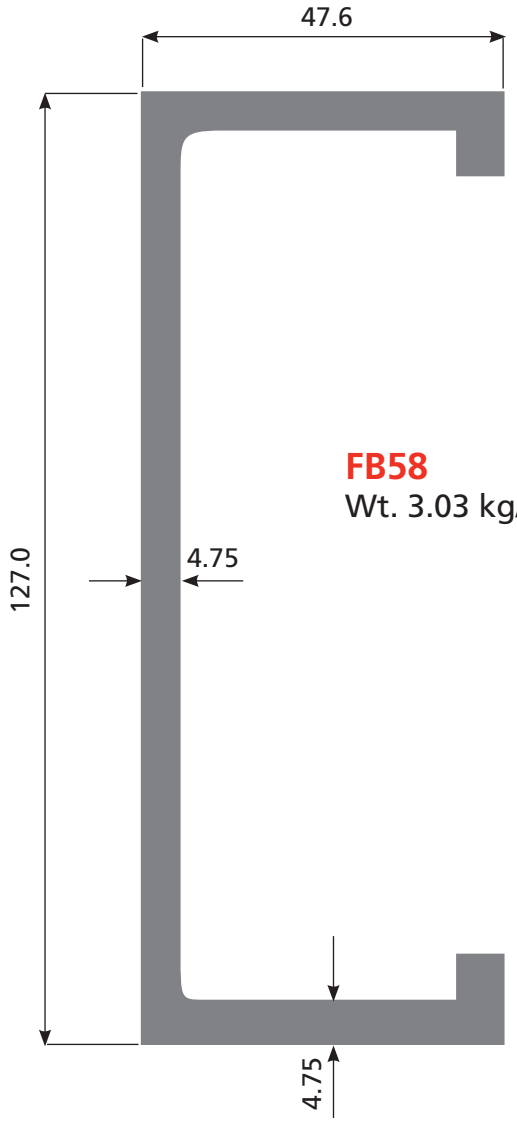

## FB1
Wt. 2.44 kg/m

## LM/RN02
Wt. 4.61 kg/m

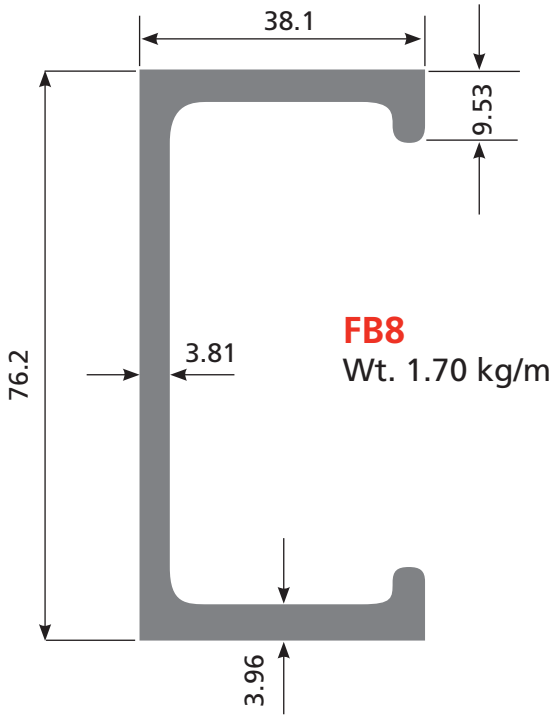



## FB4
Wt. 2.02 kg/m

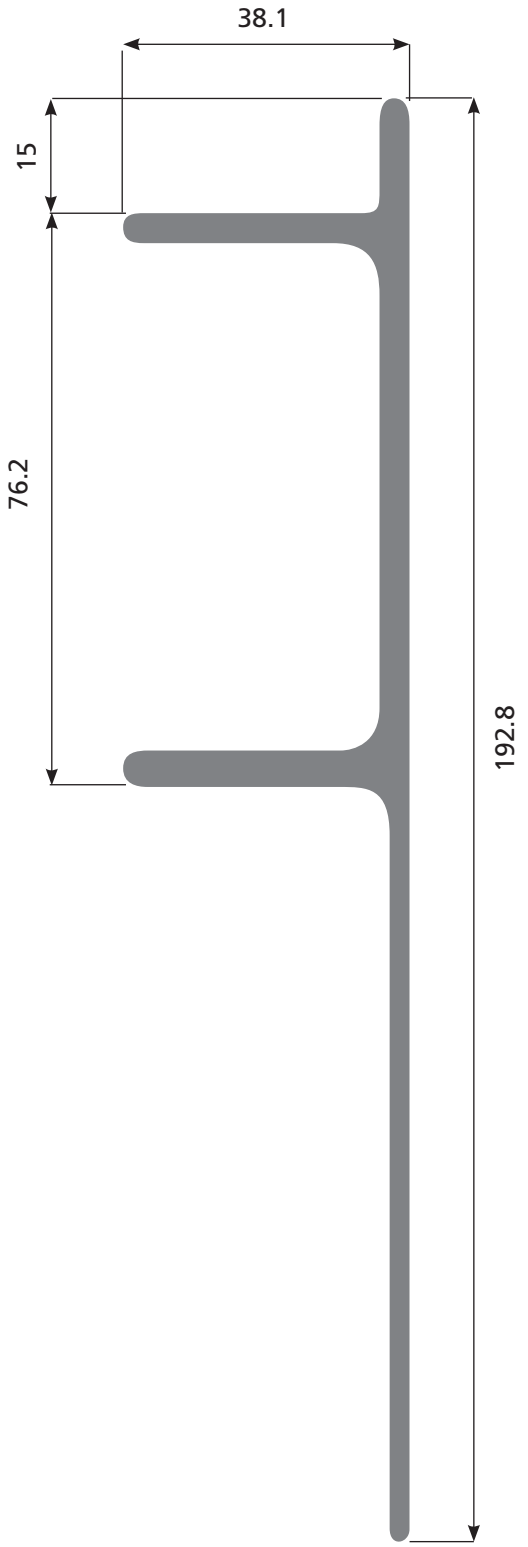



**FB58**
Wt. 3.03 kg/m

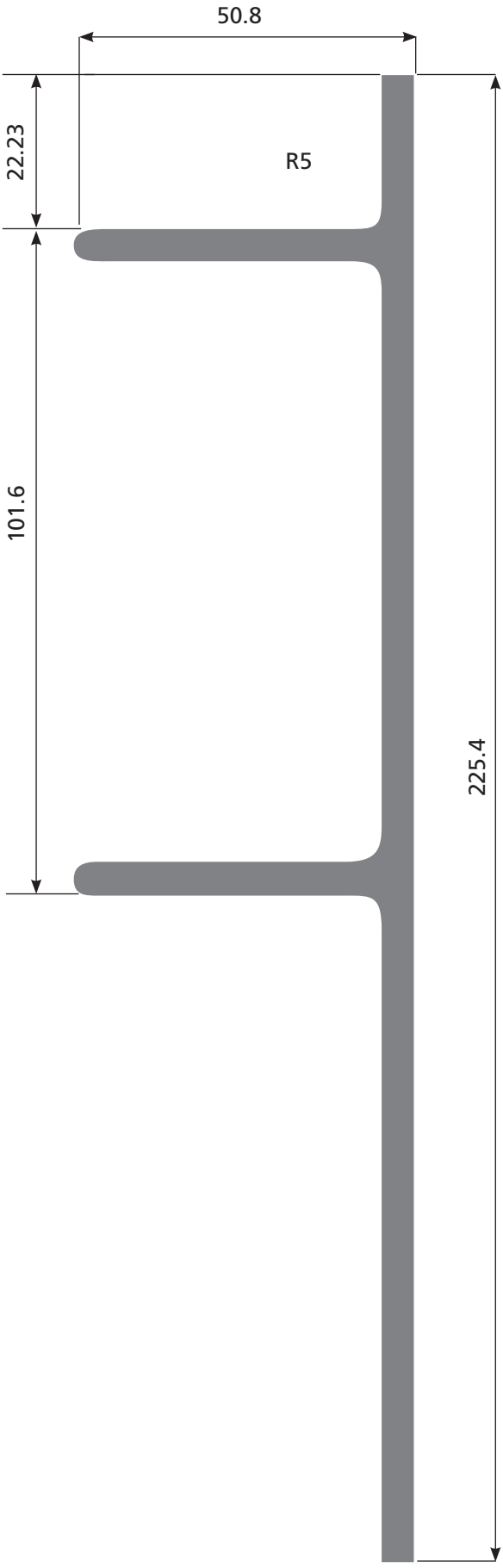



**FB8**
Wt. 1.70 kg/m

## FB11
Wt. 2.37 kg/m




## FB2
Wt. 3.44 kg/m

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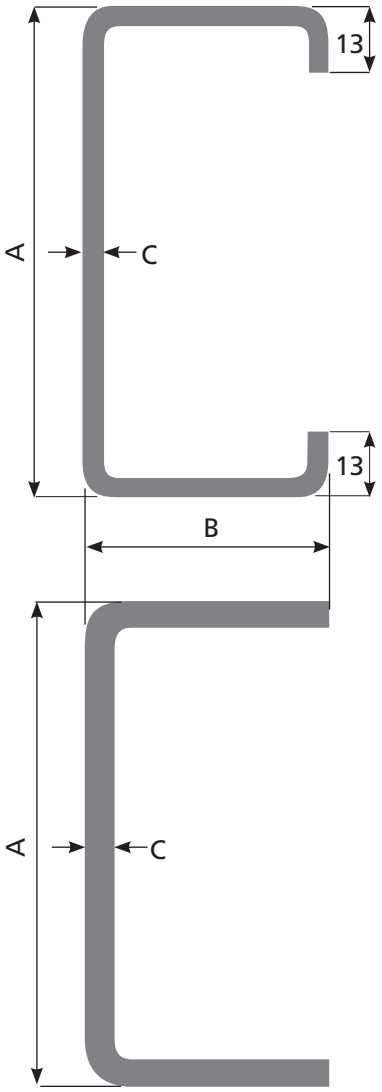


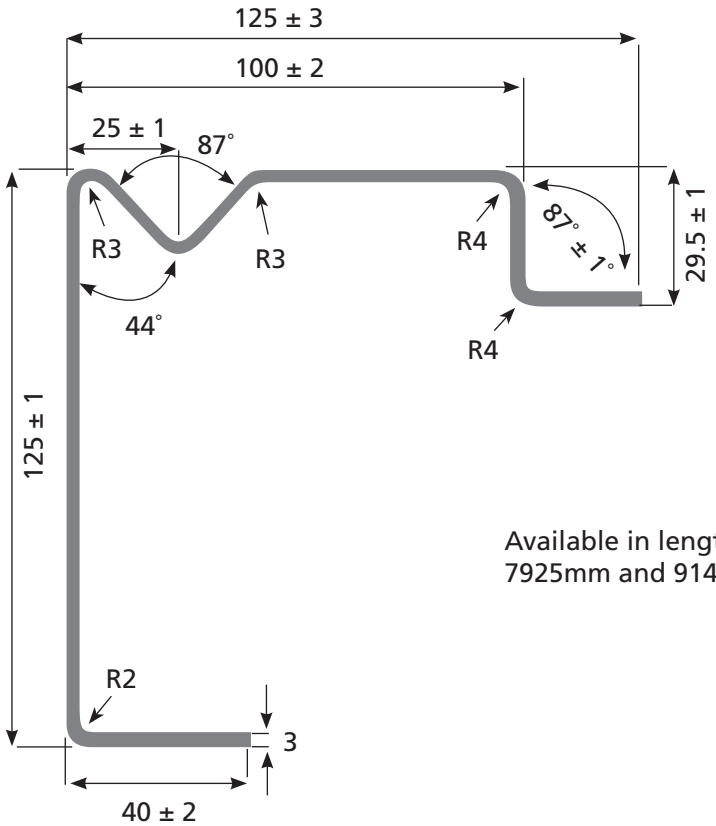

### Galvanised Steel Lipped Runners/Bearers

| Aalco Part No | Description | A | B | C | Length | Weight |
|---|---|---|---|---|---|---|
| GB2-2134 | Lipped Channels | 75 | 50 | 2 | 2134mm | 5.6kg |
| GB23-2438 | Lipped Channels | 100 | 50 | 2.3 | 2438mm | 8.9kg |
| GB23-2540 | Lipped Channels | 100 | 50 | 2.3 | 2540mm | 9.0kg |
| GB23-2550 | Lipped Channels | 100 | 50 | 2.3 | 2550mm | 9.3kg |
| GB25-2550 | Lipped Channels | 100 | 50 | 2.5 | 2550mm | 10.1kg |
| GB3-2438 | Lipped Channels | 100 | 50 | 3 | 2438mm | 11.7kg |
| GB3-2550 | Lipped Channels | 100 | 50 | 3 | 2550mm | 12.1kg |
| GB3-7620 | Lipped Channels | 100 | 50 | 3 | 7600mm | 36.3kg |

### Galvanised Steel Plain Runners - Main Sides

| Aalco Part No | Description | A | B | C | Length | Weight |
|---|---|---|---|---|---|---|
| GR3-130-7 | Plain Channels | 130 | 50 | 3 | 7600mm | 36.1kg |
| GR3-150-7 | Plain Channels | 150 | 50 | 3 | 7600mm | 39.3kg |
| GR3-150-9 | Plain Channels | 150 | 50 | 3 | 9144mm | 47.1kg |
| GR5-100-6 | Plain Channels | 100 | 50 | 5 | 6400mm | 45.2kg |
| GR5-100-7 | Plain Channels | 100 | 50 | 5 | 7600mm | 53.9kg |
| GR5-100-9 | Plain Channels | 100 | 50 | 5 | 9144mm | 64.6kg |
| GR5-127-7 | Plain Channels | 127 | 50 | 5 | 7600mm | 61.3kg |
| GR5-127-9 | Plain Channels | 127 | 50 | 5 | 9144mm | 73.6kg |
| GR5-150-7 | Plain Channels | 150 | 50 | 5 | 7600mm | 68.8kg |
| GR5-150-9 | Plain Channels | 150 | 50 | 5 | 9144mm | 82.6kg |

**Steel v-groove**
**RSRV125/7**
**RSRV125/9**
Wt. 7.23 kg/m




Available in lengths
7925mm and 9144mm

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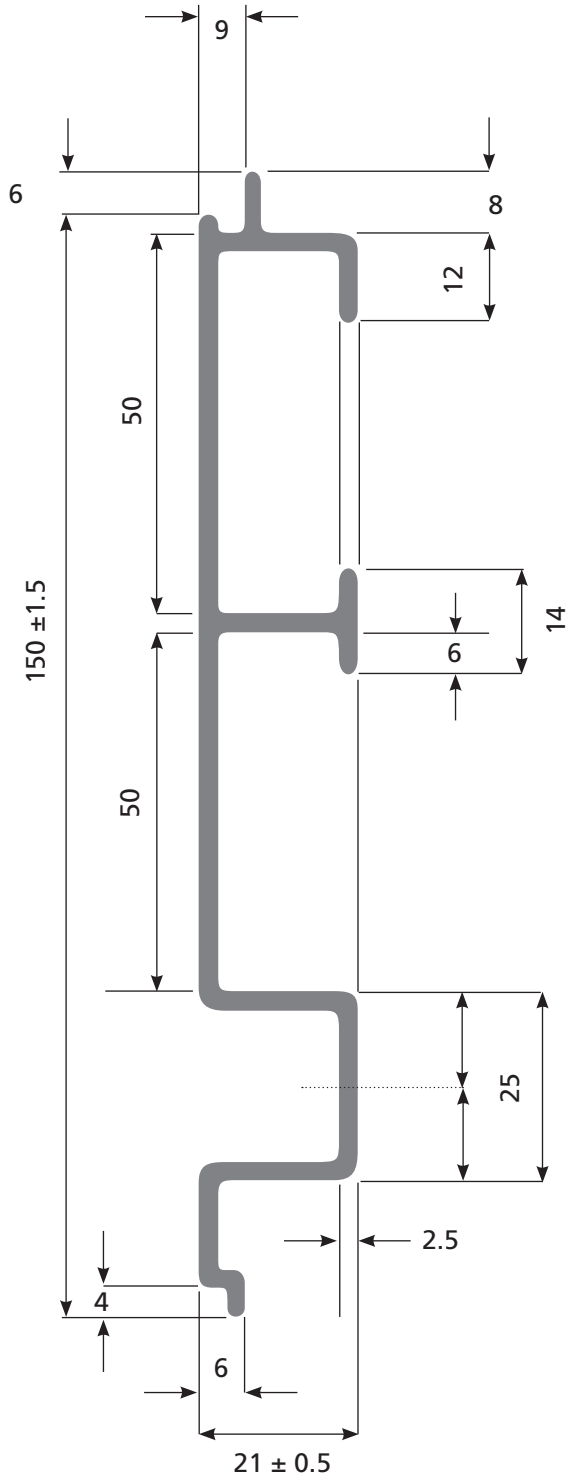
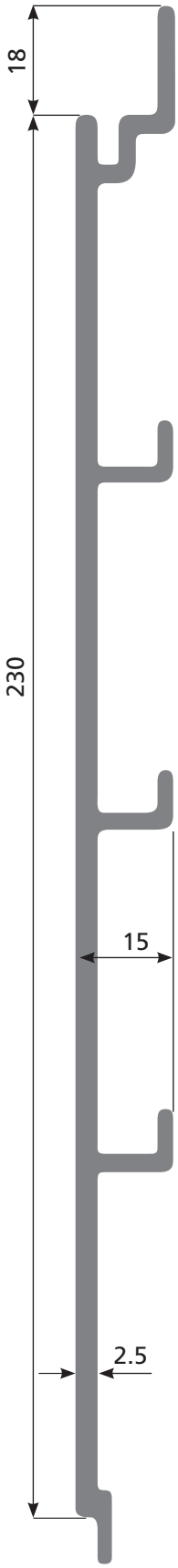
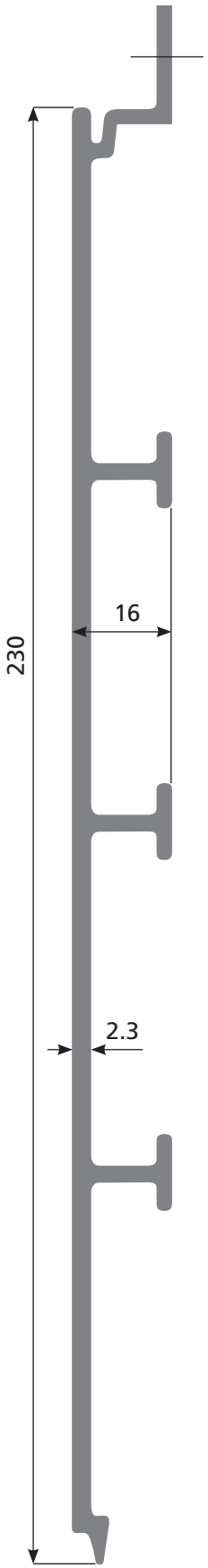
## LM/FP01 - AalcoDek
Wt. 1.44 kg/m




## FP12 (9" smooth)
Wt. 2.38 kg/m




## FP24
Wt. 2.14 kg/m

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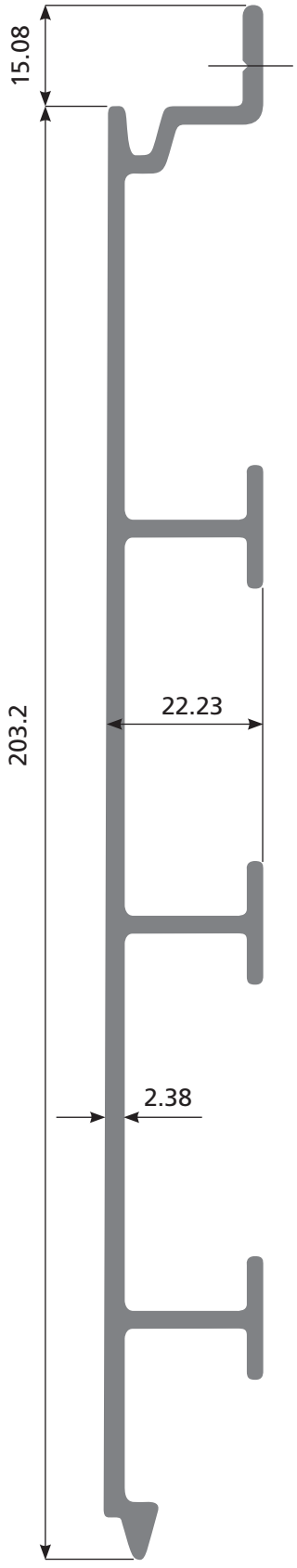
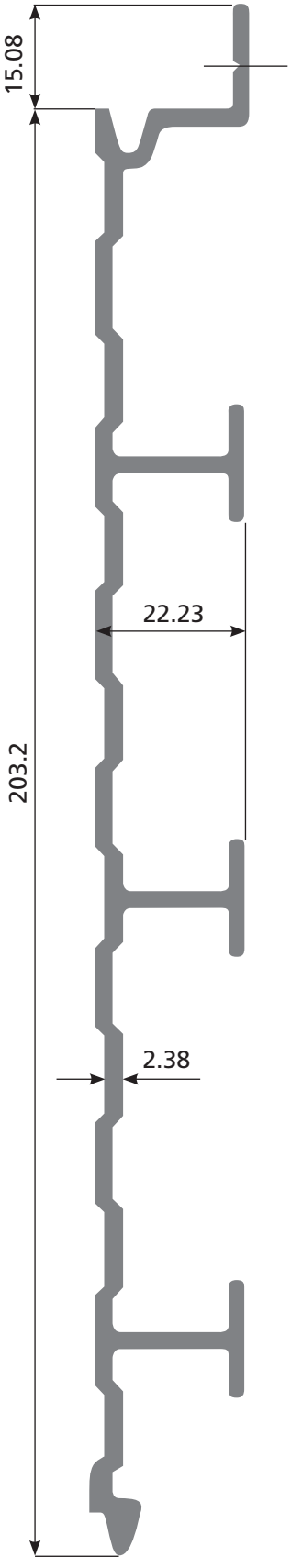
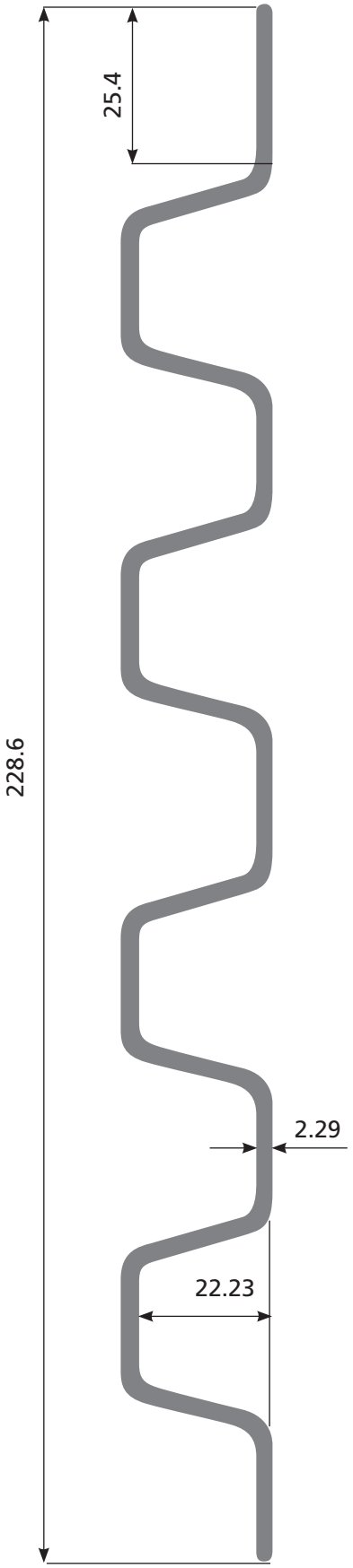
## FP1 (8" smooth)
Wt. 2.34 kg/m



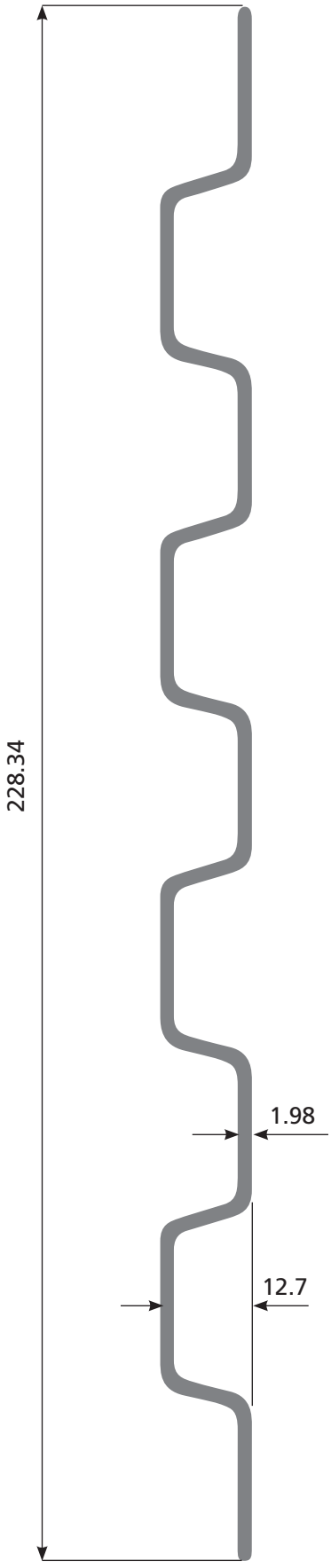

## FP2 (8" ribbed)
Wt. 2.38 kg/m



## FP4
Wt. 2.17 kg/m




## FP15
Wt. 1.52 kg/m

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# Anti-Slip Phenolic Mesh Flooring

Aalco stocks a wide range of 100% European Birch, FSC certified anti-slip plywood products offering customers a much improved choice for their RT flooring needs.

Our anti-slip flooring features quality European birch plywood in which veneers are bonded with phenolic "weather and boil proof" glue lines throughout known as WBP plywood. The anti-slip face is produced with a heavier weight of phenolic film or multi layer special film pressed with a patterned platen (MESH, HEXA or TRANS) to create a slip-resistant surface.

We recognise that today's market offers many different anti-slip flooring panels and they often differ in quality. Aalco wants to give its customers the assurance that each batch delivered comes from the same source and will meet your quality expectations. Original Aalco Flooring panels can be recognised by the RT logo (left) printed on the smooth side of the panels.

## Benefits

- **Slip Resistance**
  The patterned film face provides slip resistance and a hard-wearing surface. Taber Test results (A11) show the range of results/options available.
- **Predictable Performance**
  Tight Quality Control in selection of materials and manufacture ensures consistent performance.
- **Stability**
  The high temperature pressing of 1.4mm thick birch veneers together with the thick film face gives long life and wear resistance.
- **Film Faced Reverse**
  The smooth film face on the reverse provides protection from damp environments.
- **Environmentally Friendly**
  Our anti-slip plywood is FSC certified.

## Guidance For Installation

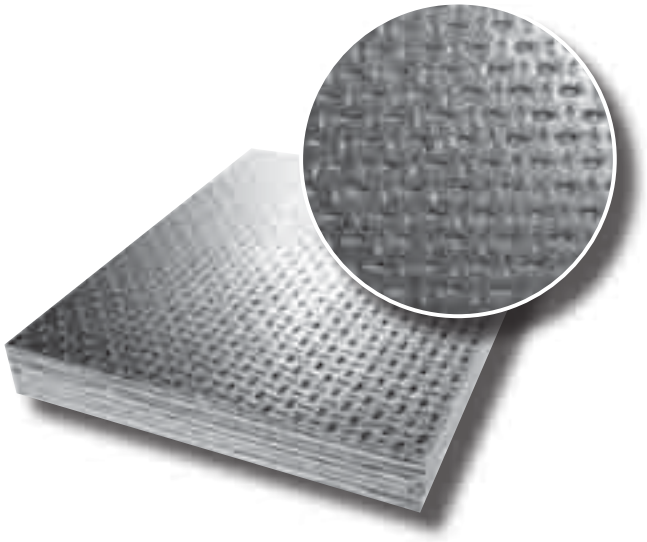
- **Re-sealing of Cut or Drilled Areas**
  Our phenolic anti-slip plywoods are edge sealed at the factory. For long life, all cut edges and drilled holes must be sealed before fixing. Water entering unsealed areas can cause localised swelling and reduce the service life of the plywood.
- **Fixings**
  Galvanised or stainless steel fixings will resist corrosion and unsightly damage to the board.
- **Mechanical Support**
  Adequate mechanical support will prevent excessive flexing of the board in service and reduce the possibility of fracturing the phenolic coating.
- **Regular Maintenance**
  The boards require minimal maintenance in normal use. However, removal of any build-up of dirt and algae on the mesh surface will prevent reduction of slip resistance.

# AalcoMesh

**AalcoMesh** is a top quality, mesh-patterned birch plywood panel that has been most commonly available on the market for many years. With very good slip and wear resistance and a long life the **AalcoMesh** pattern remains the most popular choice for many RT flooring applications.

Thickness available:
9mm – 30mm

| Sheet Size (mm) |
|---|
| 1220 x 2500 |
| 1220 x 3050 |
| 1500 x 3000 |
| 1525 x 3050 |
| 1525 x 2440 |
| 1525 x 3300 |

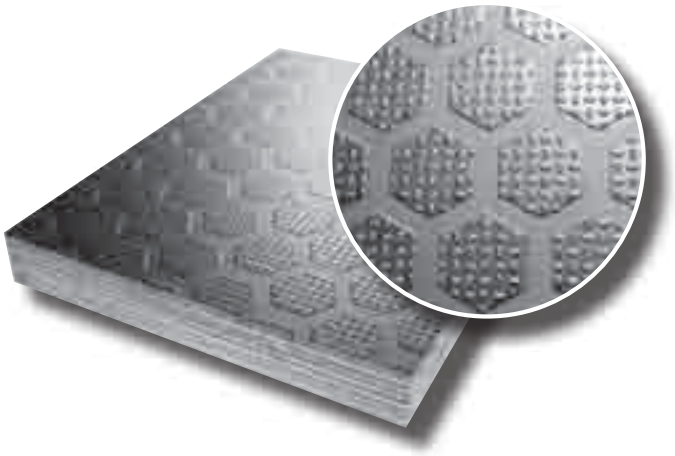


# Aalco HexaGrip

**Aalco HexaGrip** offers an improved slip and wear resistance combined with a decorative appearance of hexa pattern. Quality birch plywood overlayed with 220g/m² phenolic film to the face, backed with 120g/m² balancer, makes **Aalco HexaGrip** an excellent RT flooring panel.

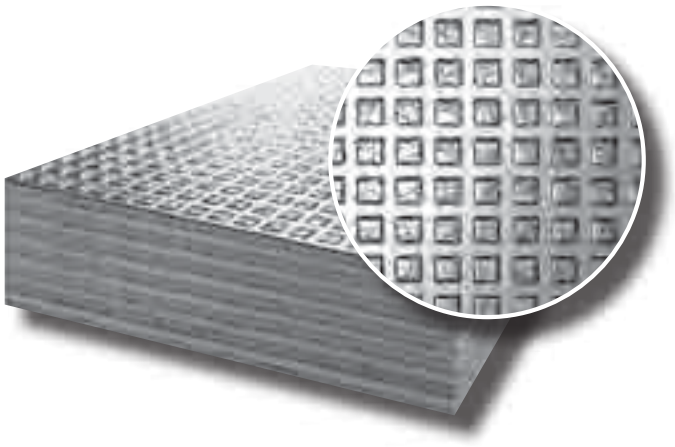
Thickness available:
9mm – 30mm

| Sheet Size (mm) |
|---|
| 1220 x 2500 |
| 1220 x 3050 |
| 1500 x 3000 |
| 1525 x 3050 |
| 1525 x 2440 |
| 1525 x 3300 |



# AalcoTrans

**AalcoTrans** is a solution for demanding RT flooring applications where anti-slip properties and high wear resistance are the most desired factors. Manufactured in Europe, **AalcoTrans** offers the durability of birch plywood combined with the special, hard wearing thick multi layer film with the imprinted waffle (square) pattern which offer one of the highest Taber Value on the market, over 10,000 rounds (based on independent lab test).



| Sheet Size (mm) | Thickness (mm) | Weight per Sheet (kg) |
|---|---|---|
| 1220 x 2500 | 18 | 43 |
| 1220 x 2500 | 24 | 48 |

The above sizes are stocked in the standard dark brown with 220g/m². Other options: cut size, CNC machining, T&G, different film grammages and colours, special construction available on request. Original Aalco Flooring panels can be recognised by the RT logo imprinted on the smooth side of plywood. Plywood without logo is also available on a forward order basis.

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# Technical Data

- **Product**
  Phenol film faced plywood in which film is applied by hot pressing

- **Structure**
  Cross built construction plywood

- **Material**
  European birch plywood, FSC certified

- **Covering**
  *AalcoMesh*
  Dark brown phenol film
  (anti-slip side 220g/m$^2$, reverse 120g/m$^2$)

  *Aalco HexaGrip*
  Grip - dark brown phenol film
  (anti-slip side 220g/m$^2$, reverse 120g/m$^2$)

  *AalcoTrans*
  Black hard wearing multilayer film
  (anti-slip side thick multilayer, reverse 120g/m$^2$)

  Acrylic, water resistant paint for painting of the edges – on request.

## Taber Test Value

| Product | Film Thickness (mm) | Colour | Taber Test Value |
|---|---|---|---|
| Aalco Mesh | 220g/m$^2$ | Dark Brown | 600 |
| Aalco HexaGrip | 220g/m$^2$ | Dark Brown | 600 |
| Aalco Trans | special hard wearing film | Black | 10400 |

- **Length and Width Tolerance**
  Tolerance according to EN 315 ± 3.5mm.

## Thickness Tolerances (to EN 315)

| Nominal Thickness (t) mm | Tolerance on Nominal Thickness (mm) | Tolerance Within One Panel (mm) |
|---|---|---|
| ≥ 6.5 ≤ 25 | +(0.2 + 0.03 t) -(0.4 + 0.03 t) | 0.6 |
| > 25 ≤ 30 | +(0.0 + 0.05 t) -(0.4 + 0.05 t) | 0.8 |
| > 30 | +(0.0 + 0.03 t) -(0.4 + 0.03 t) | |

- **Squareness**
  2mm / 1m.

## Quality Requirements

| Categories of Characteristic | Range of Tolerance |
|---|---|
| Mat Spots | permitted up to 20cm$^2$, up to a number 2pcs / 1m$^2$ |
| Scratch e.g. because of pressing plate | permitted occasionally |
| Cracks of film on middle of board or through board | not permitted |
| Defects at the edge of the panel due to cracks of film and parting | permitted up to 2mm from the edges |
| Streak, fogging colour on film surface | permitted |
| Visible unevenness because of the surface of the wood | permitted |

ATTENTION! Sunlight exposure can change the colour of the film.

- **Distortion – cup, bow, twist**
  In plywood up to 10mm thick distortion is not taken into consideration so the distortion is unlimited
  In plywood 10mm thick and thicker distortion is permitted up to10mm / 1m of length.

- **Bonding quality**
  Bonding quality acc. to PN-EN 314-2/class 3 (DIN BFU 100, BS 1203 WBP).

- **Formaldehyde release**
  Class E1 acc. to PN-EN 636.

- **Moisture content plywood:** 4-12%.

  (Other conditions can be agreed between the parties.)

# Approvals

- Aalco source this product range from one manufacturer, PAGED Sklejka S.A. in Poland, a leading European manufacturer of Plywood products with manufacturing processes and procedures conforming to all relevant standards

- The company's Integrated Management System is approved to **ISO 9001: 2008**

- Environmental Procedures are approved to **EN ISO 14001: 2009**

- Health & Safety Procedures are approved to **PN-N 18001: 2004**

- FSC Certified for Chain of Custody (CoC) to **FSC-STD-40-004 V2-1 October 2011**

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## EGL Laminate

Edge Glued Laminate that with care can be crosscut and drilled to suit almost any size of floor.

- **Outers** – Keruing or Kapur for hardness
- **Inners** – Sepetir or mixed red hardwood for rigidity and lighter weight

**Profile:** Machined to half lap pattern with 'crusher bead' to allow expansion without distortion

**Width:** 305mm face / 319mm overall

**Thicknesses:** 22mm & 28mm

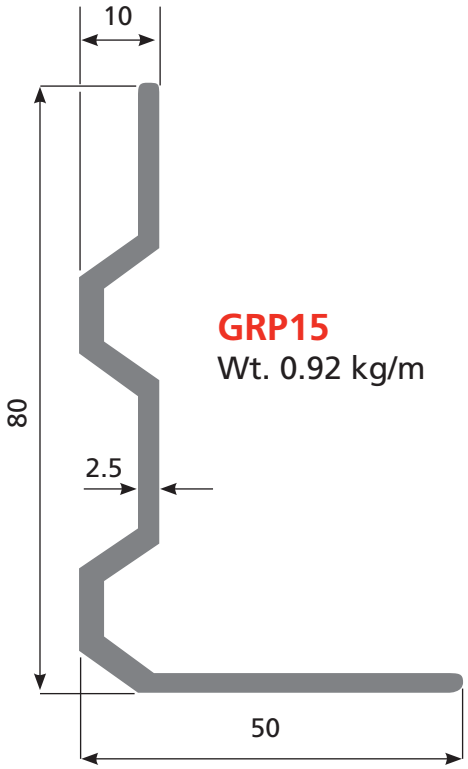
**Lengths:** Up to 45ft

**Standard lengths (feet):** 20, 25, 26, 28, 30, 45

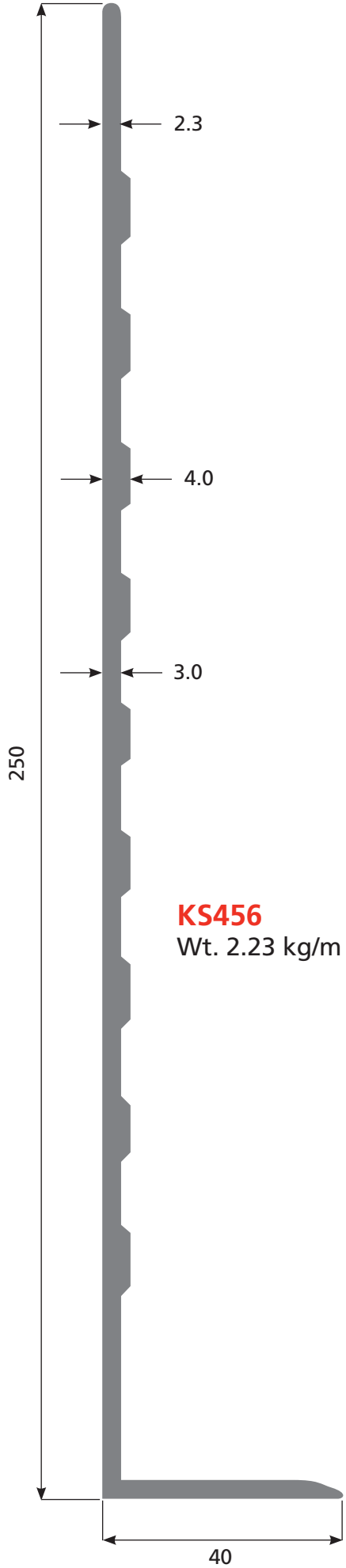
**Weight per foot:** 22mm – 1.35kg / 28mm 1.9kg

## Keruing Half Lap Planking

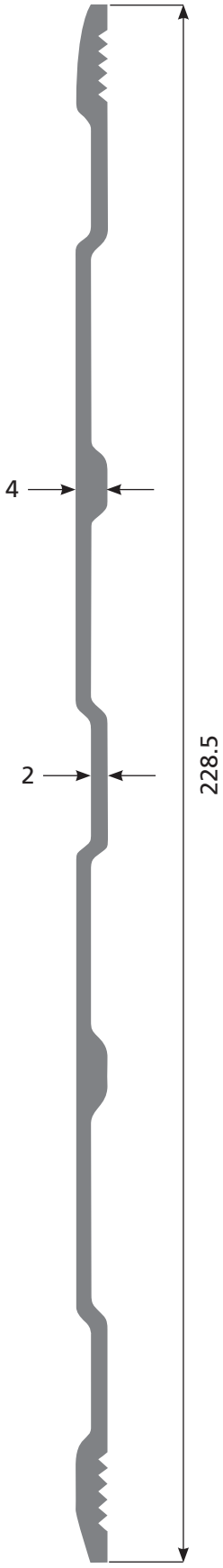
- 150mm wide in two thicknesses – 22mm and 28mm
- Available in lengths from 16ft to 26ft
- Weight per linear metre is 3.2kg for the 22mm thick and 4.06kg for the 28mm thick




**GRP15**
Wt. 0.92 kg/m




**KS456**
Wt. 2.23 kg/m




**KS1**
Wt. 1.46 kg/m

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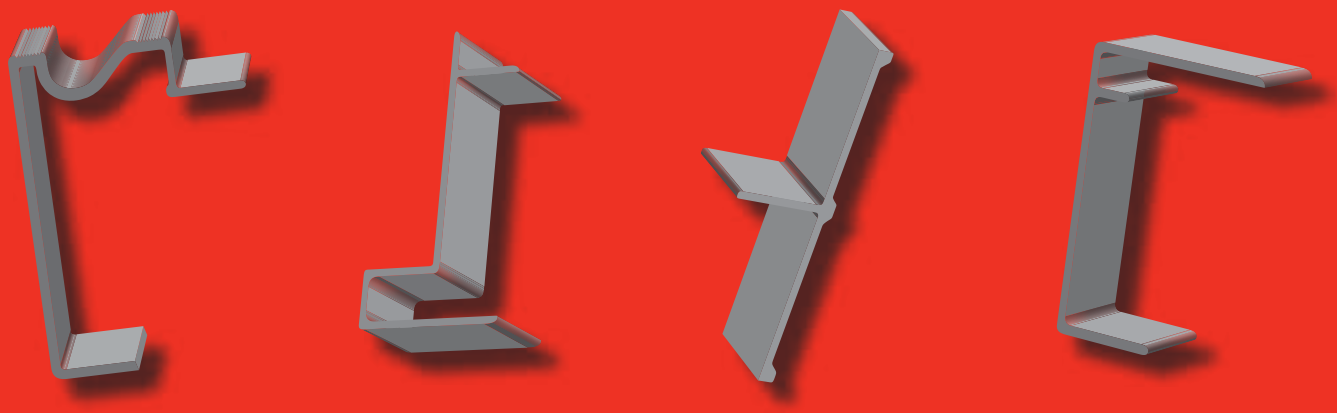
# B: Side Raves

## *Side Raves*


| | |
|---|---|
| SR56 | **B1** |
| SR61 | **B1** |
| SR1P | **B2** |
| SR2P | **B2** |
| SR4 | **B3** |
| SR3 | **B3** |
| SR22 | **B4** |
| LM/SR01 | **B4** |
| SR11 | **B5** |
| SR5 | **B5** |
| RSRAV/9 | **B6** |
| RSRV125/7 | **B6** |
| RSRV125/9 | **B6** |

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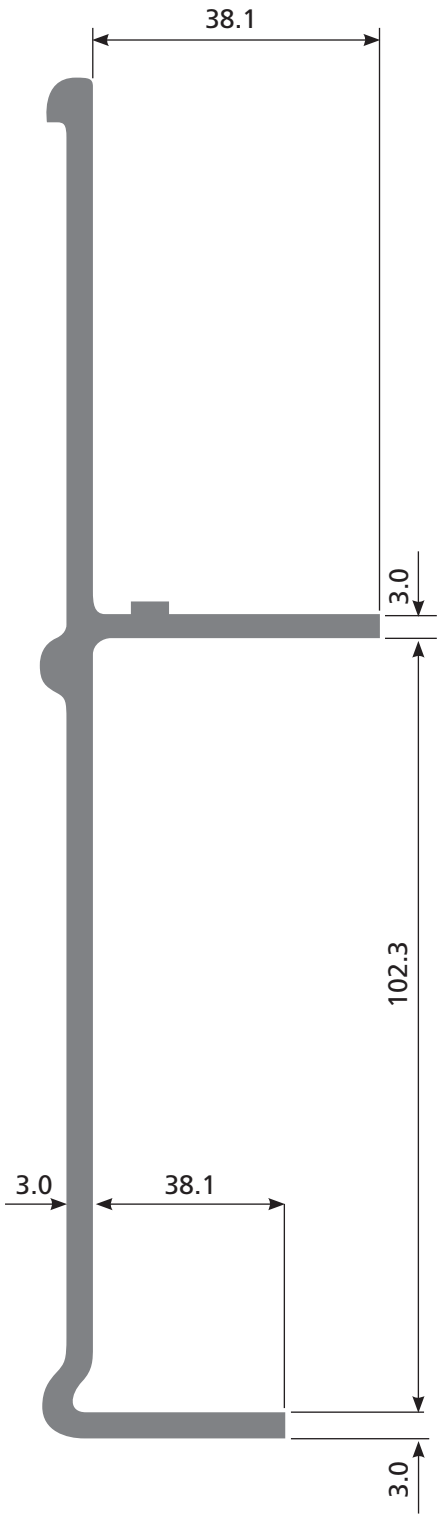
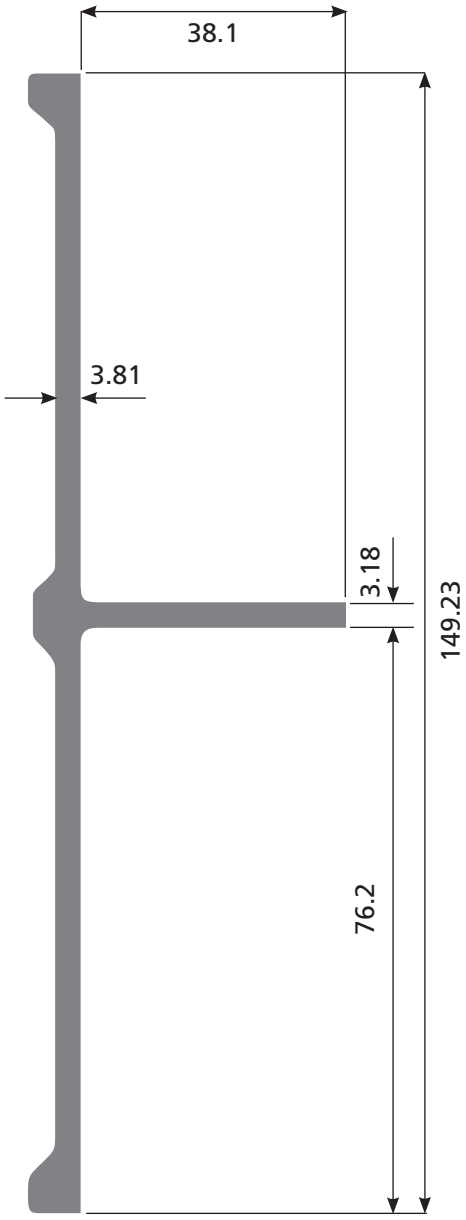
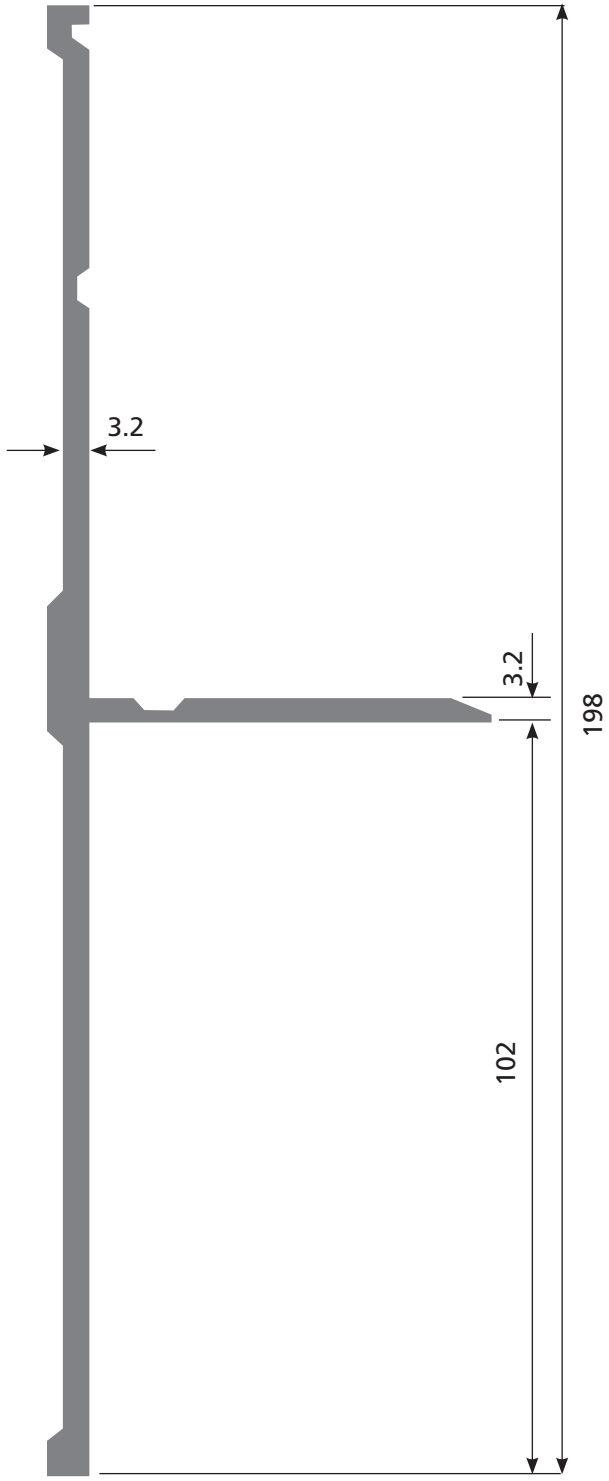
## SR56
Wt. 2.10 kg/m



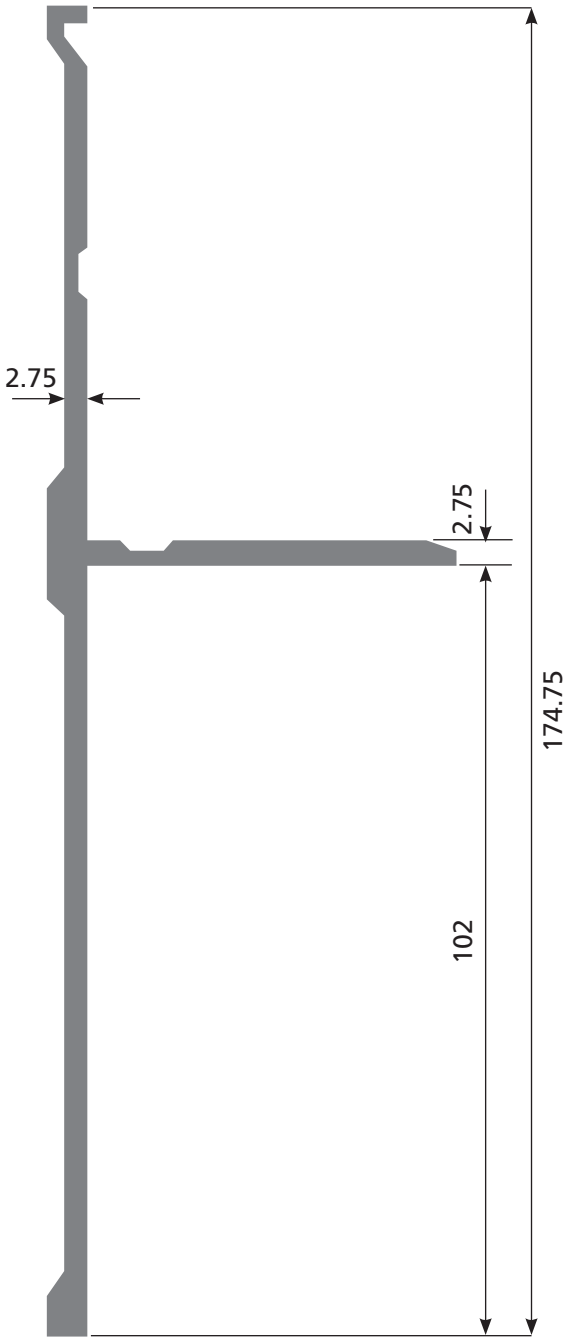

## SR61
Wt. 1.8 kg/m



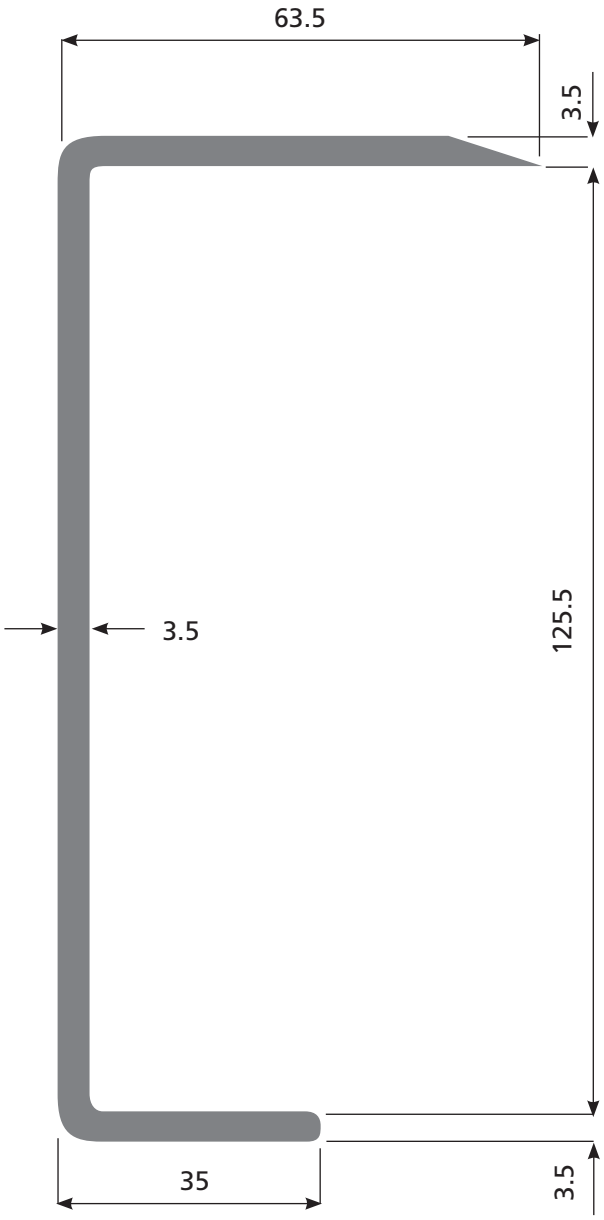
## SR1P
Wt. 2.26 kg/m



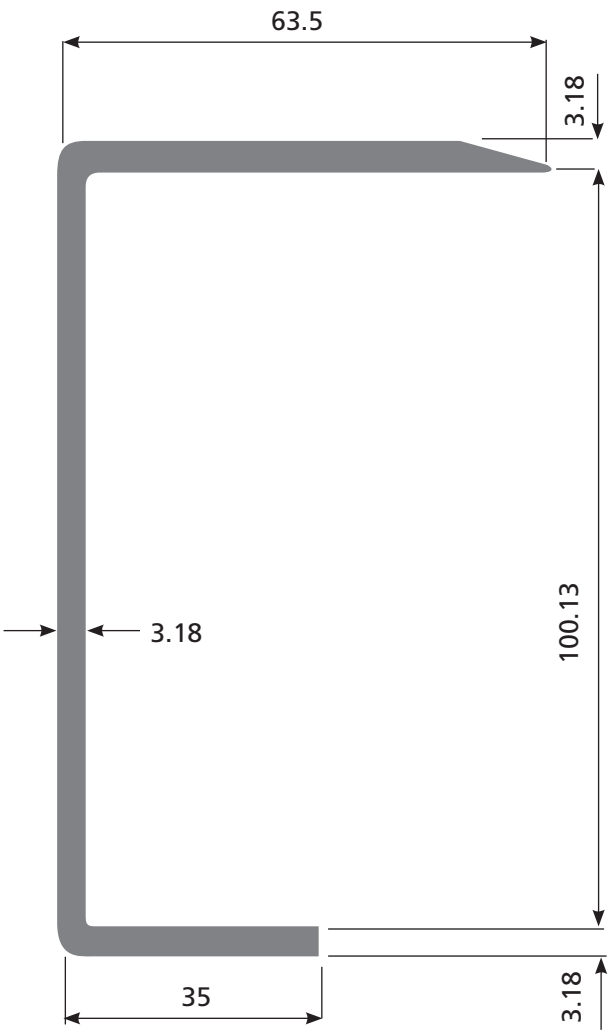

## SR2P
Wt. 1.78 kg/m



## SR4
Wt. 2.07 kg/m

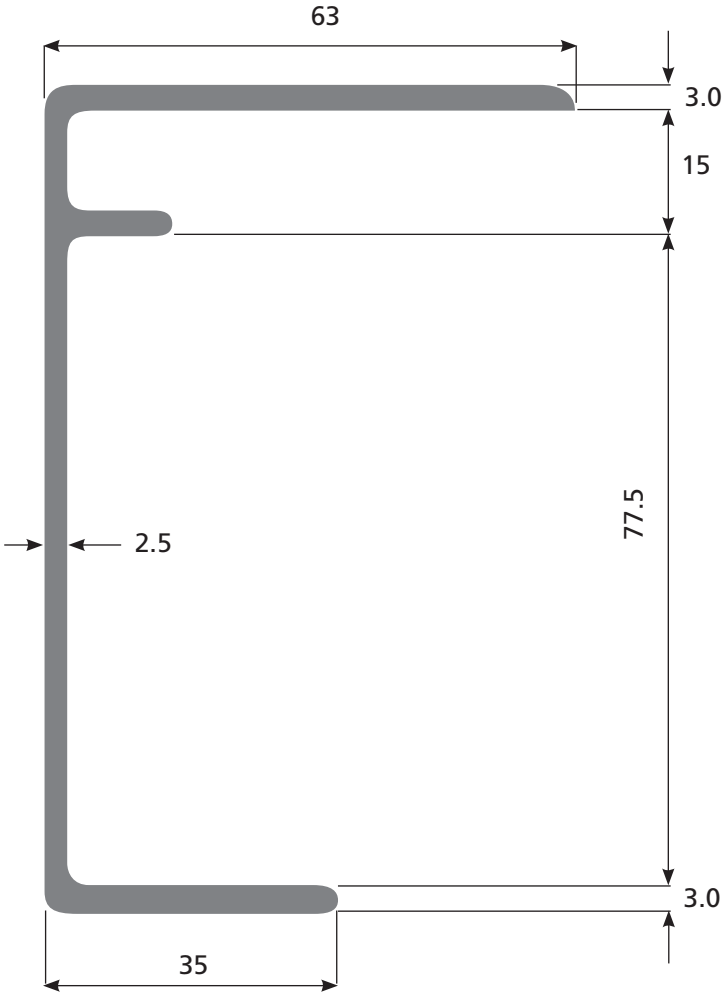



## SR3
Wt. 1.66 kg/m



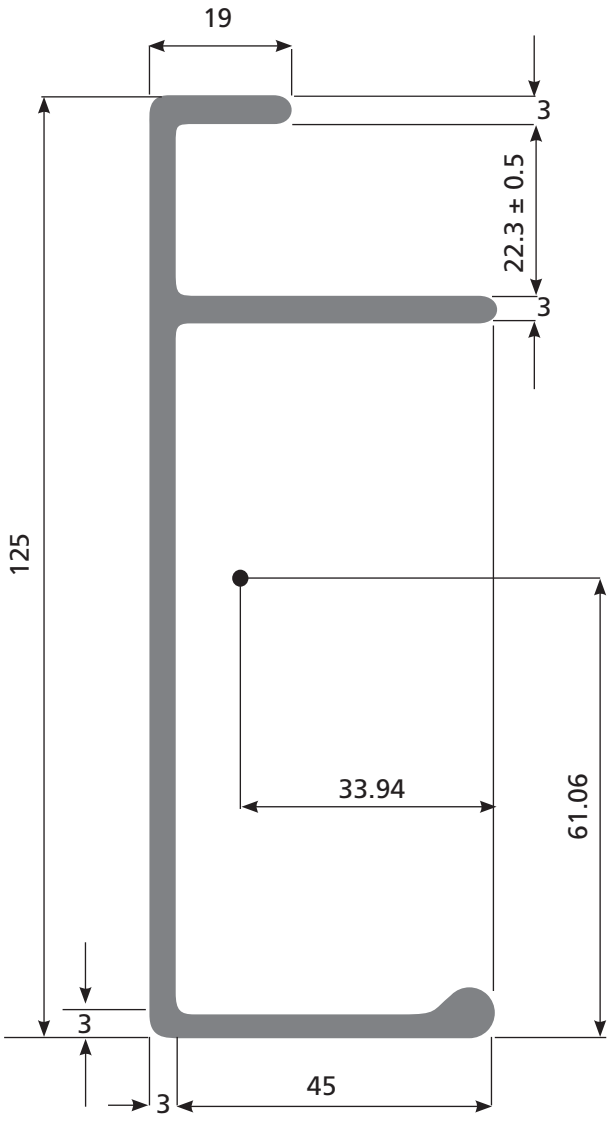
## SR22

Wt. 1.52 kg/m

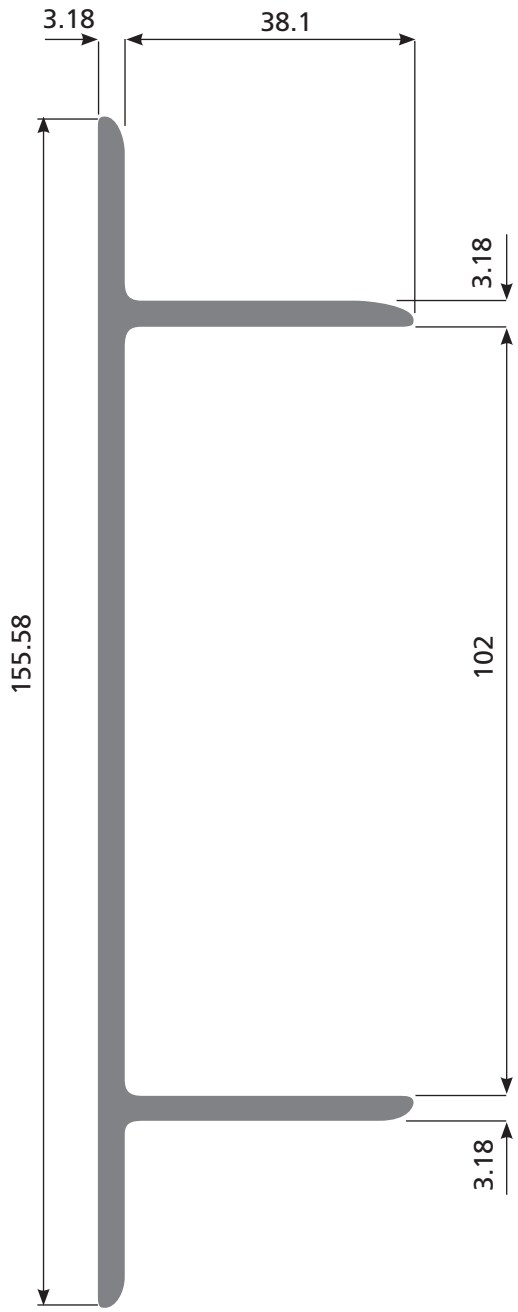



## LM/SR01

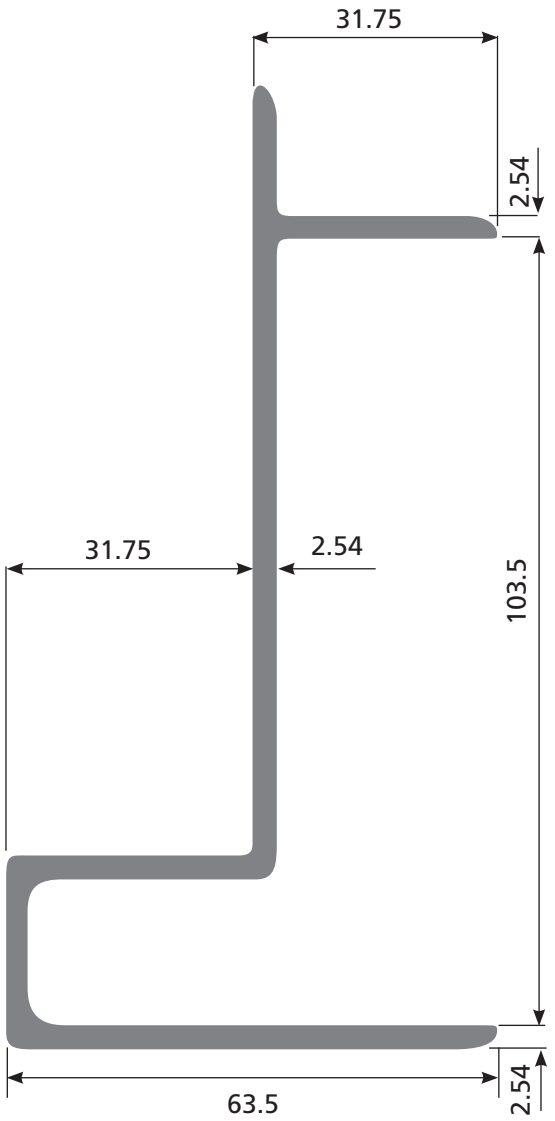
Wt. 1.86 kg/m



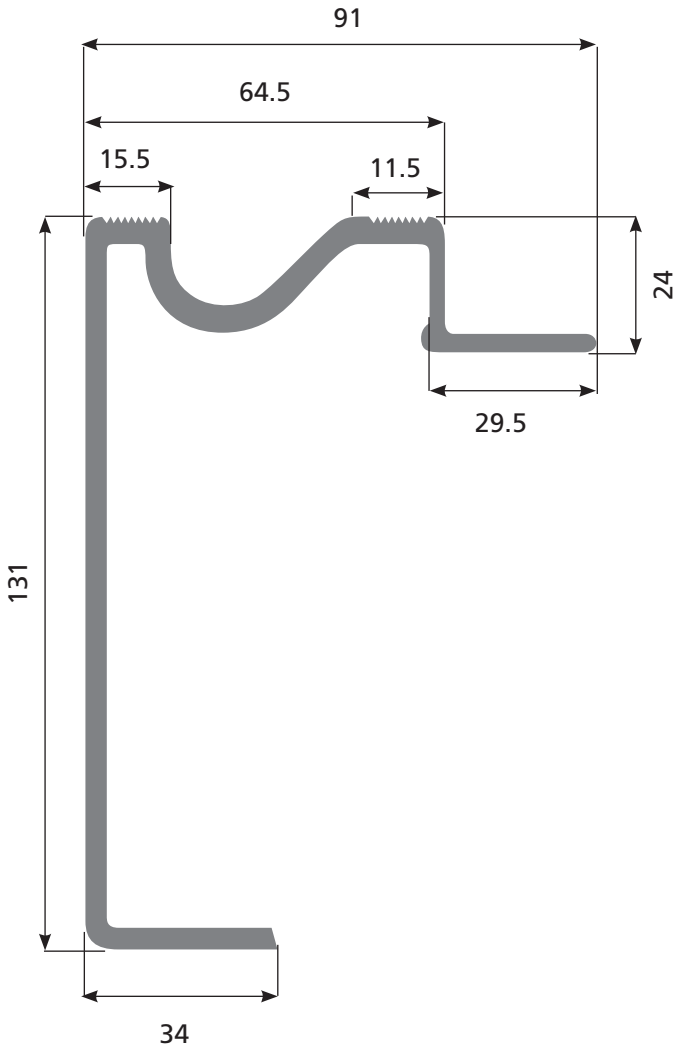
## SR11
Wt. 1.98 kg/m




## SR5
Wt. 1.73 kg/m



## Aluminium v-groove
## RSRAV/9
Wt. 3.12 kg/m

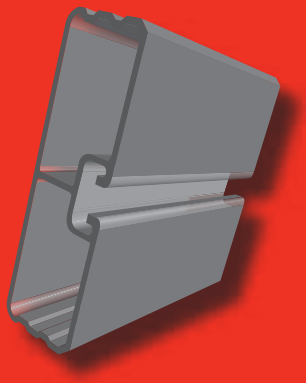


Also available to use:
Steel v-groove sections
RSRV125/7 & RSRV125/9
(see page A5)

# C: Side Guards

## *Side Guards*


| | |
|---|---|
| VCA Approval | **C1** |
| Installation Guide | **C2** |
| Kit Selection Table | **C2** |
| Single Rail Assembly | **C3** |
| Double Rail Assembly | **C4** |
| SG132 (Rail) | **C5** |
| EC-SG132 | **C5** |
| SG105 (Rail) | **C5** |
| EC-SG105 | **C5** |
| SGP132 (Pillar) | **C5** |
| REC-SGP132 | **C5** |
| Pivot Leg MIS/TK/SGL-500 | **C6** |
| Pivot Leg MIS/TK/SGL-700 | **C6** |

# VCA Approved Sideguard Kits

Aalco are delighted to introduce their new range of industry approved sideguard kits that meet the requirements of **Regulation 73.**

Please go to **www.aalco.co.uk/literature** to download a copy of the test results and approval documentation.

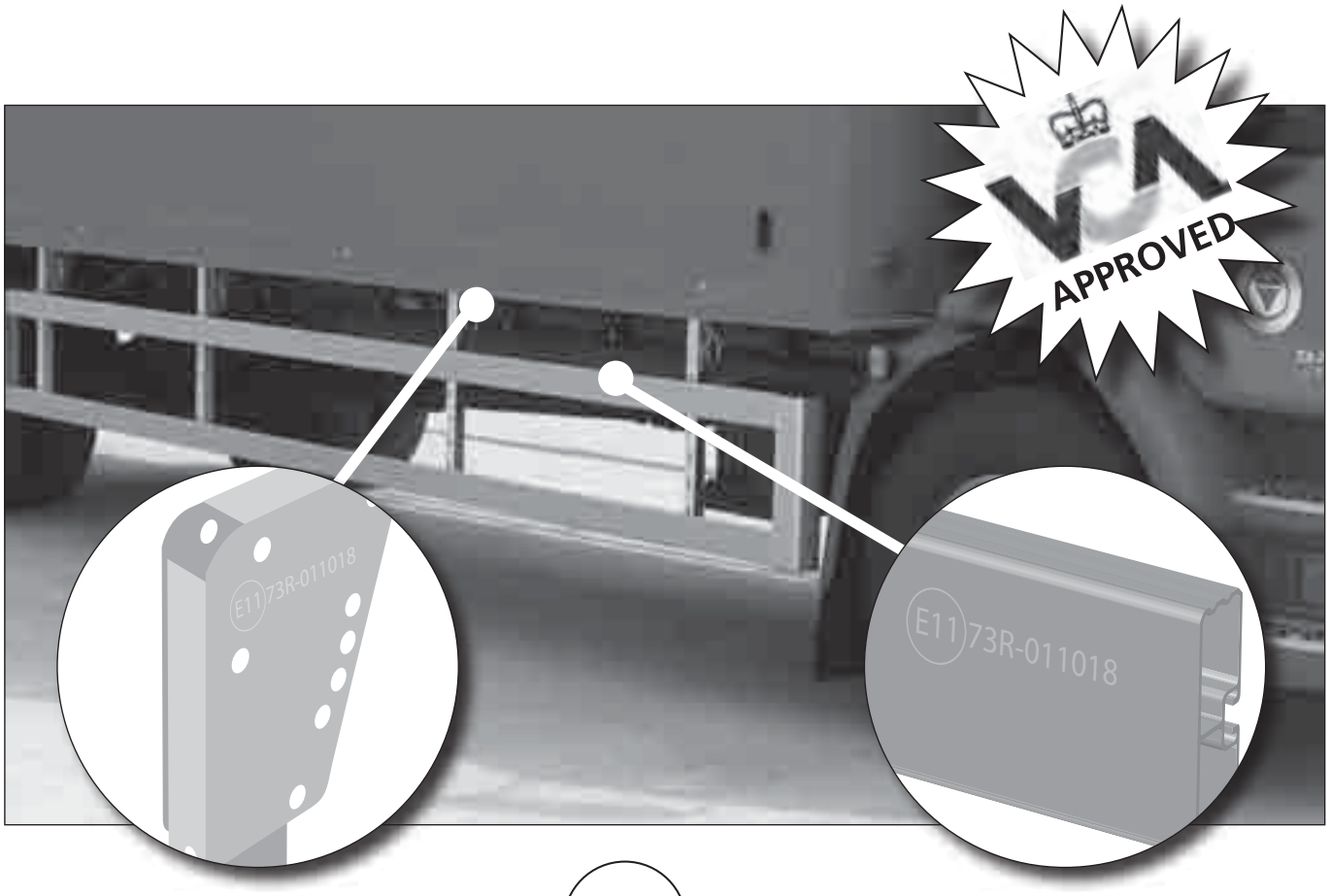
- Fulfils the mandatory requirements of whole vehicle type approval
- Legs and rail supplied fully marked 'E11 73R-011018'
- Tested and approved by VCA
- 'E' approval certificate available upon request
- Compliant fitting instructions available upon request
- Compliant stock NOW available

The VCA approved Aalco sideguard system comes in a range of 4 kits. Pivotable legs are available in 500mm and 740mm heights and the kits are suitable for either single or twin rail systems.

Aalco's exceptional standards of manufacturing, delivery, advice and service mean that you can be assured of the right parts for your requirements.

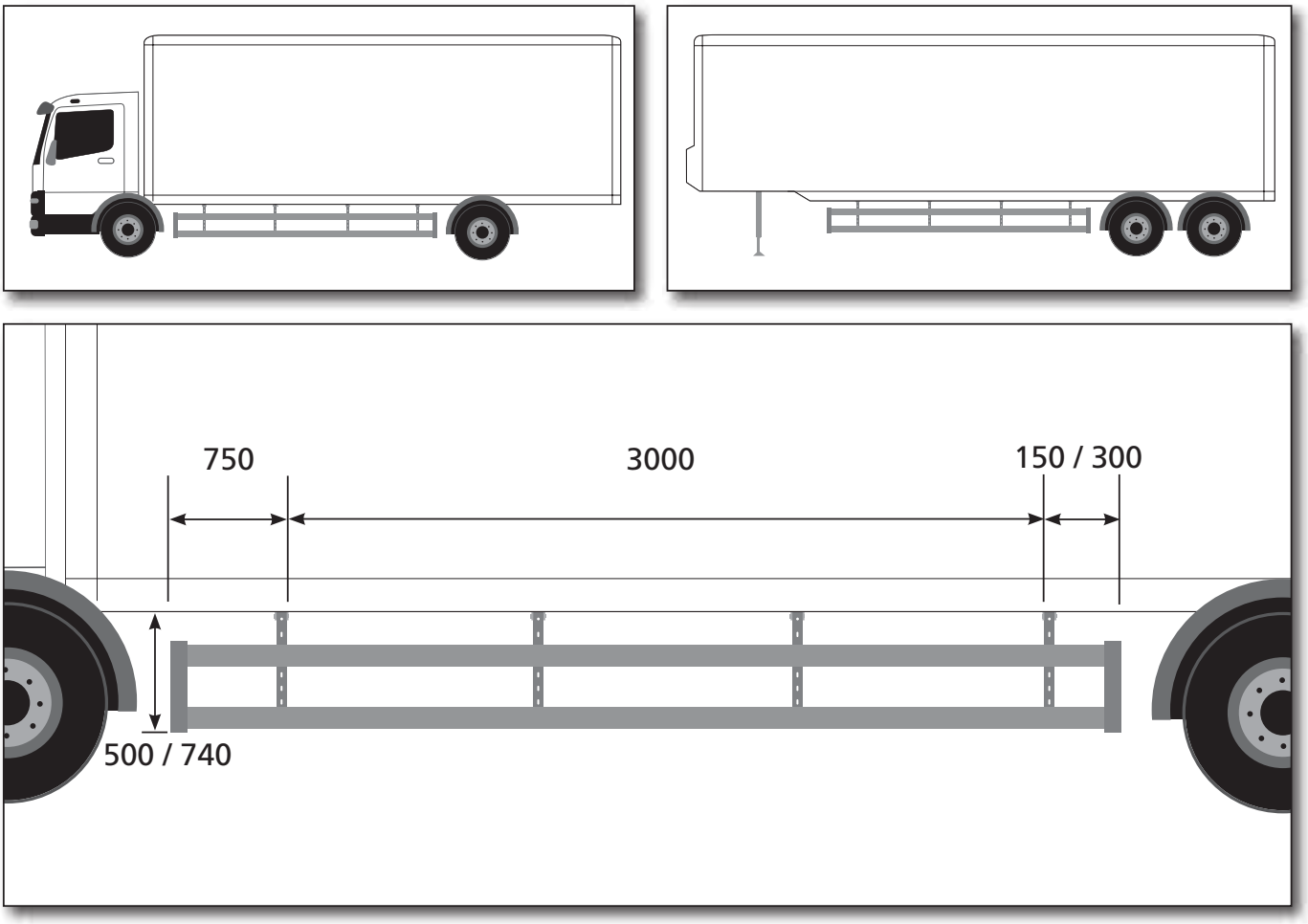
**Components List**

SGP-132
SG132
SG105
EC-SG132
EC-SG105
REC-SGP132
TK/MIS/SGL-500/700
M8 x 20 (4.8) ZP cup sq.hd. 13 Nm Maximum Torque




All parts stamped with VCA approval number E11 73R-011018

# Installation Guide




# Kit Selection Table

| Kit No. | Leg | Rail | Max drop (mm) | Max leg spacing (mm) | Max front overhang (mm) | Max rear overhang (mm) |
|---|---|---|---|---|---|---|
| 1 | MIS/SGL-700 | SG132 | 740 | 3000 | 750 | 150 |
| 2 | MIS/SGL-700 | SG105 | 740 | 3000 | 750 | 150 |
| 3 | TK/MIS/SGL-500 | SG132 | 500 | 3000 | 750 | 300 |
| 4 | TK/MIS/SGL-500 | SG105 | 500 | 3000 | 750 | 300 |

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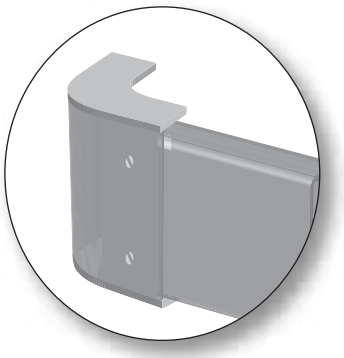
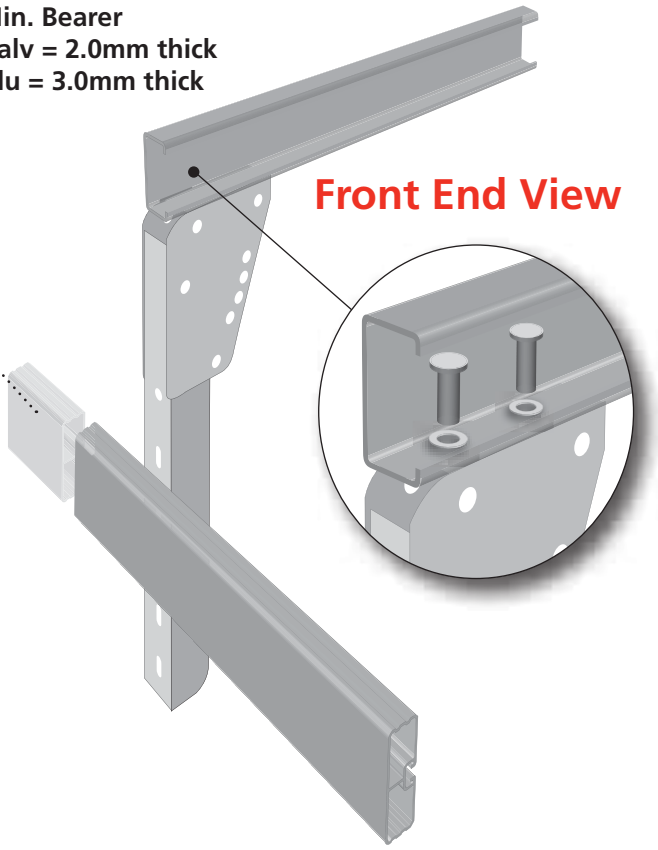
# Single Rail
# Assembly Instructions

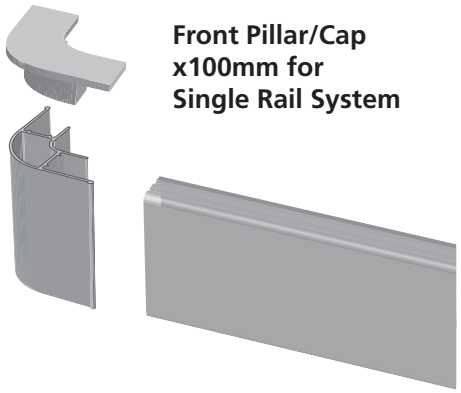


Rails specified
stock size length.
User cut to length
as required.

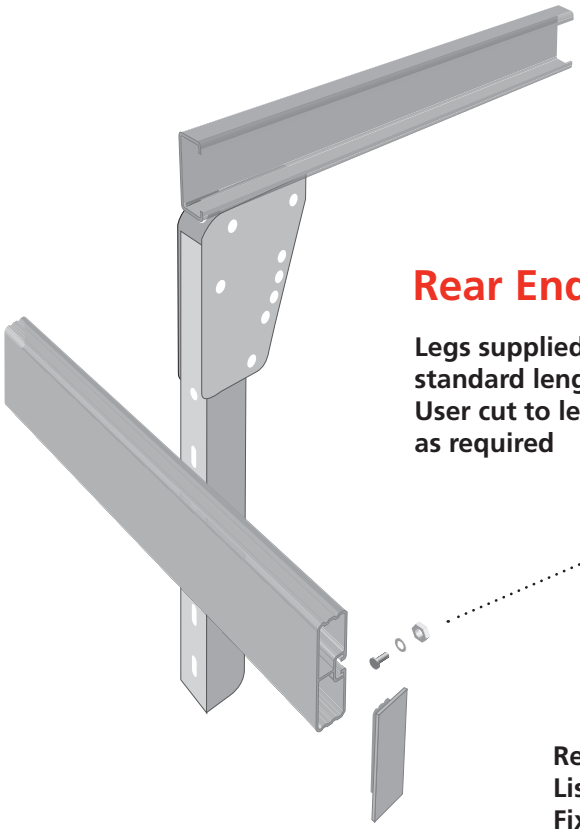
Min. Bearer
Galv = 2.0mm thick
Alu = 3.0mm thick

## Front End View





Front Pillar/Cap
x100mm for
Single Rail System

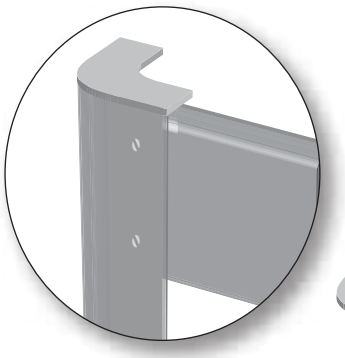


## Rear End View

Legs supplied
standard length.
User cut to length
as required

Refer to Components
List for Details of
Fixings / Torque

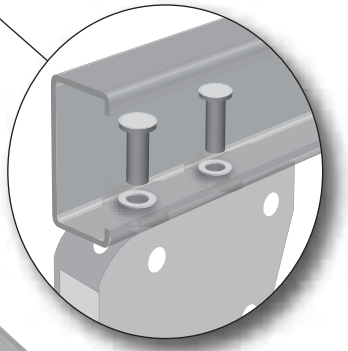
# Double Rail Assembly Instructions

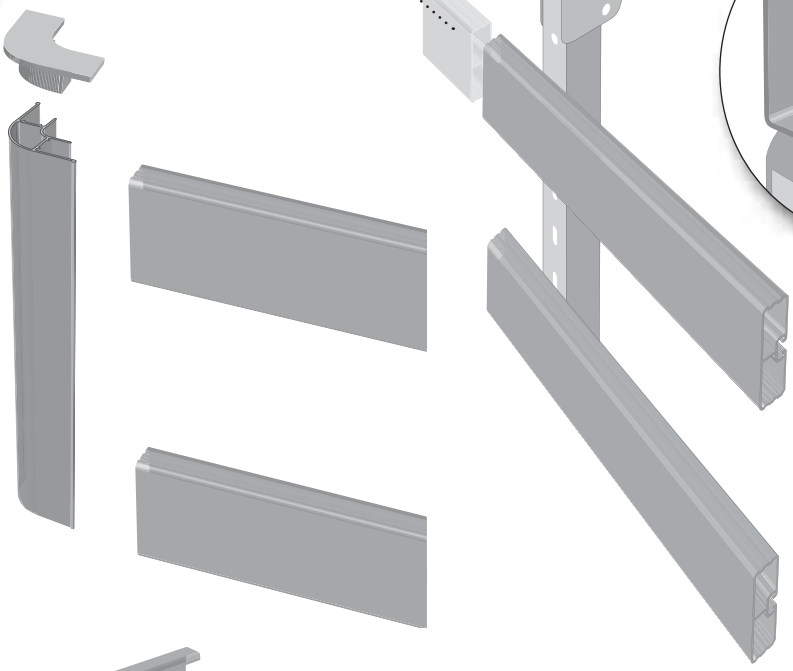


Rails specified stock size length. User cut to length as required.

Min. Bearer
Galv = 2.0mm thick
Alu = 3.0mm thick

## Front End View





Front Pillar/Cap x500mm for Twin Rail System

## Rear End View

Legs supplied standard length. User cut to length as required

Refer to Components List for Details of Fixings / Torque

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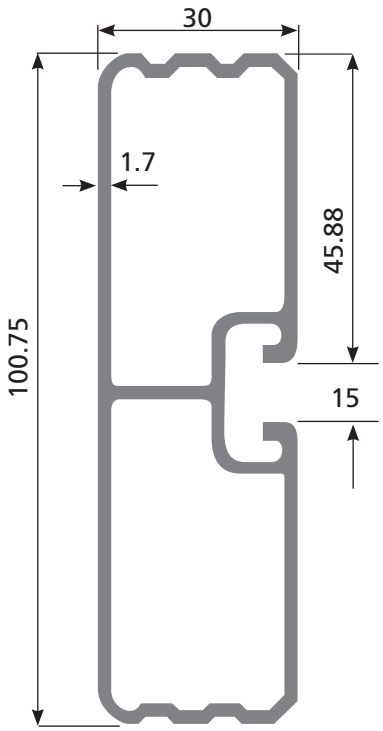
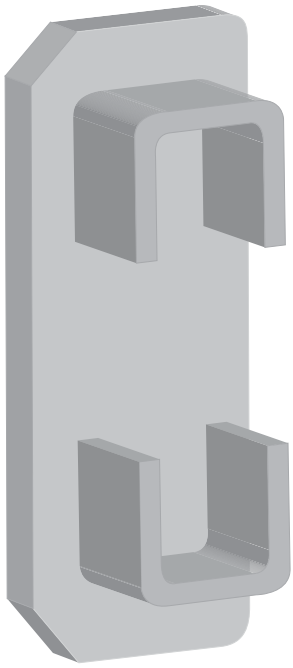
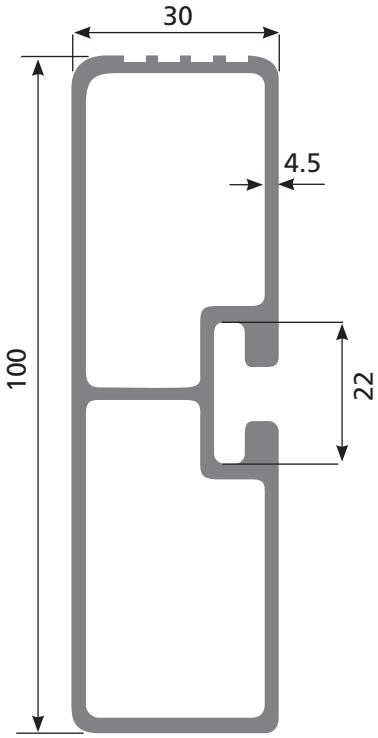


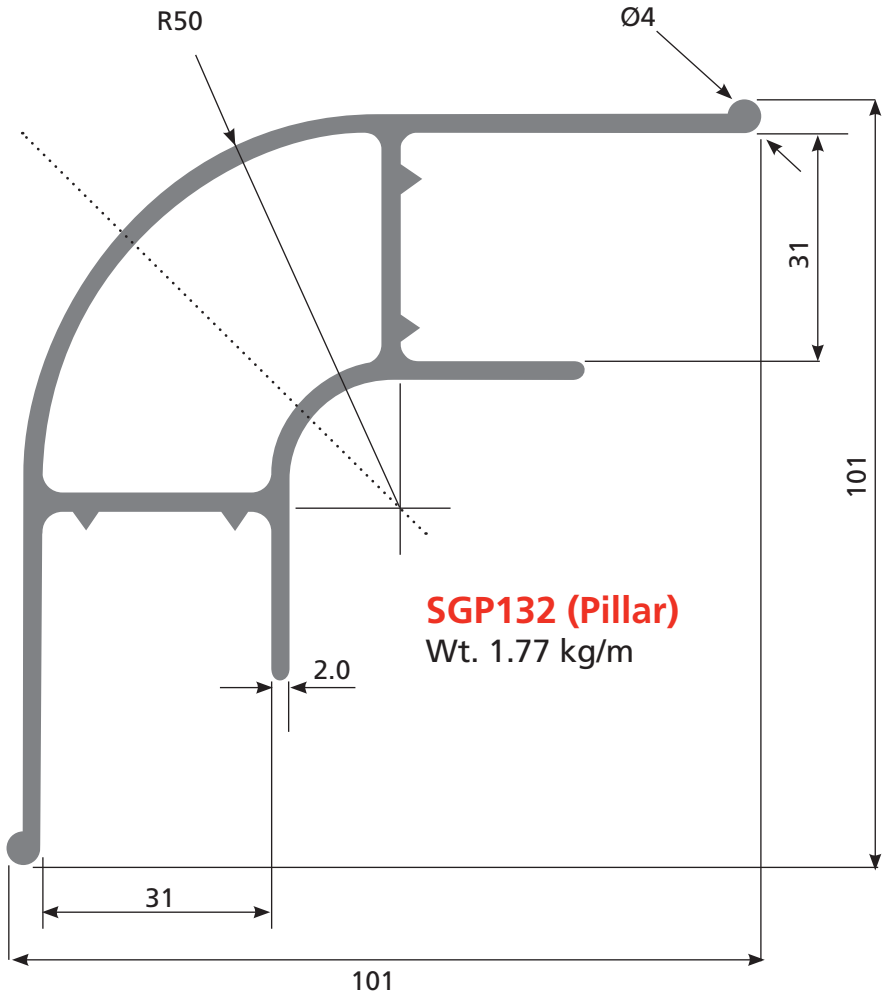

**SG132 (Rail)**
Wt. 1.43 kg/m



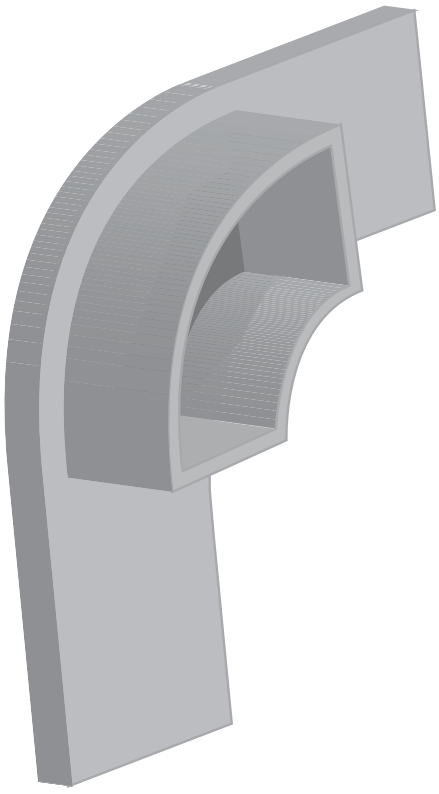
**EC-SG132**
**EC-SG105**



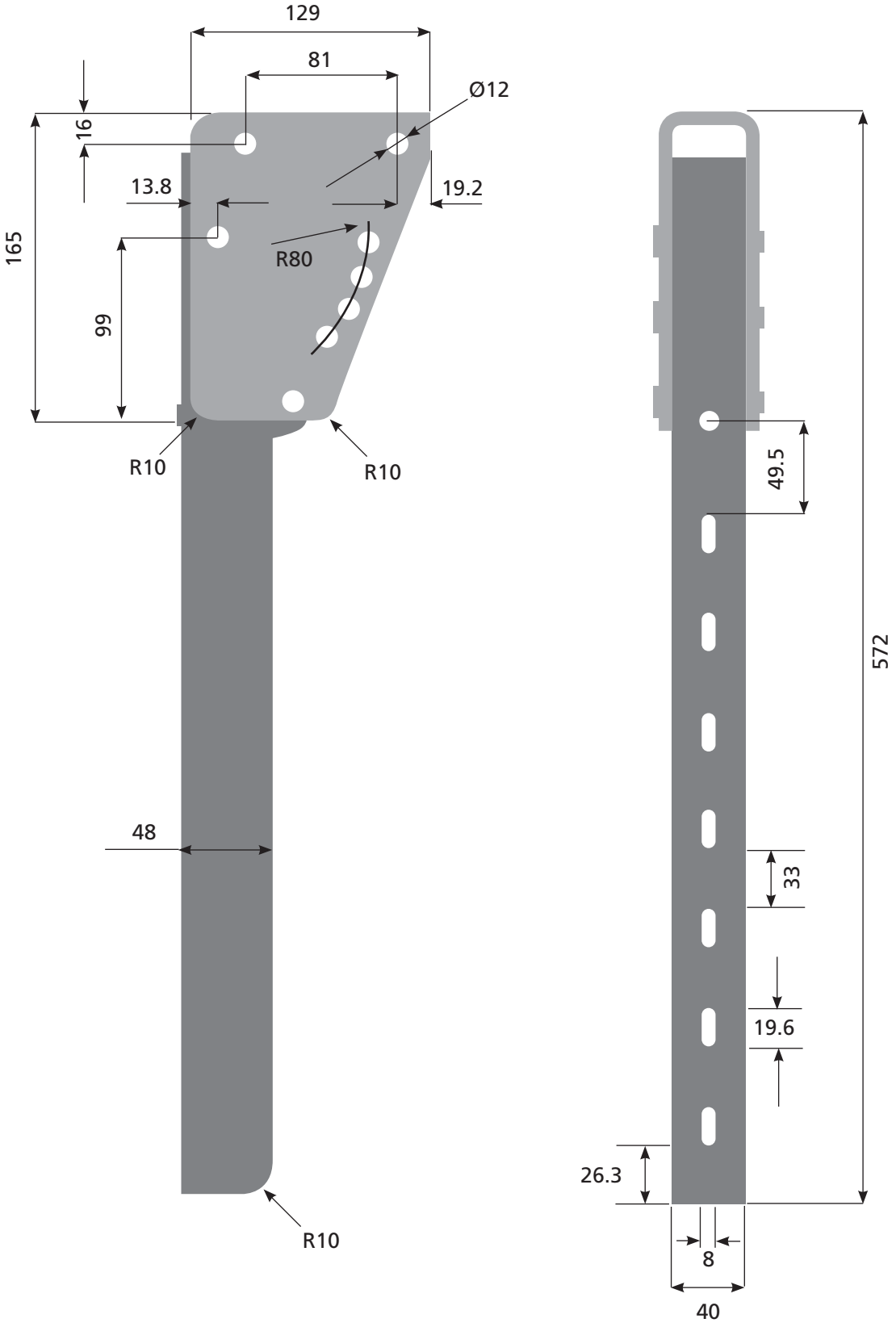

**SG105 (Rail)**
Wt. 1.35 kg/m




**SGP132 (Pillar)**
Wt. 1.77 kg/m



**REC-SGP132**



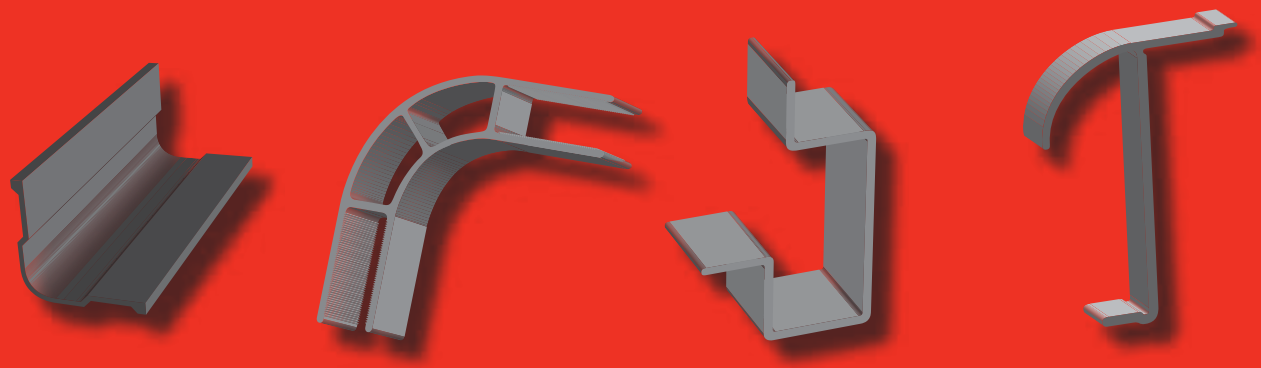

## Side Guard Pivot Leg MIS/TK/SGL-500 (also available as MIS/TK/SGL-700)

Wt. 2.44 kg/m

# D: Corner Pillars

## *Corner Pillars*


| | |
|---|---|
| CCP14 | **D1** |
| CCP17 | **D1** |
| CPFT1 | **D2** |
| CPFT2 | **D2** |
| CP127 | **D3** |
| CP27 | **D3** |
| CP150 | **D4** |
| CP50 | **D4** |
| CP18 | **D5** |
| CP75 | **D5** |
| CP230 | **D6** |
| CP5 | **D6** |

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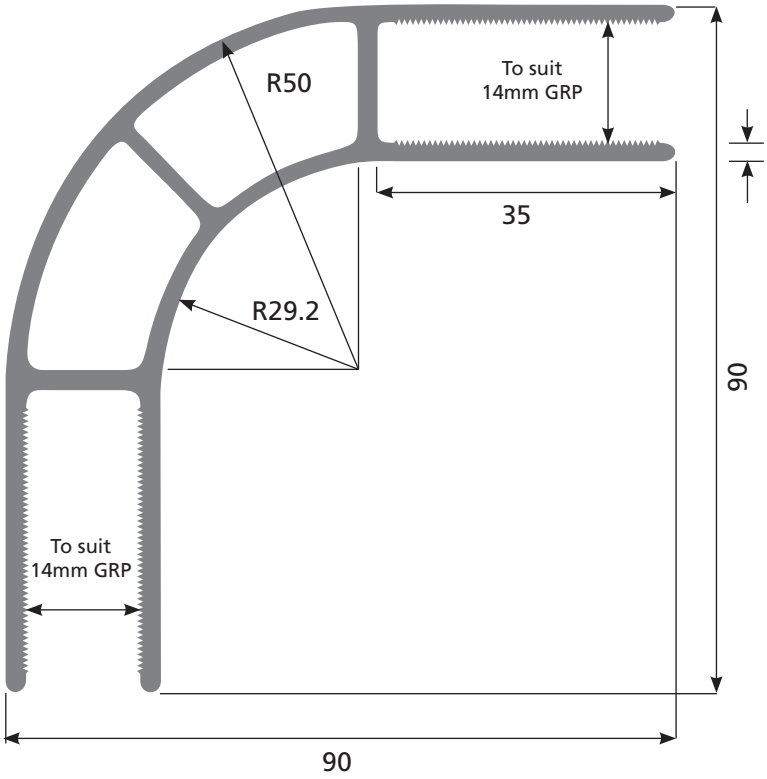
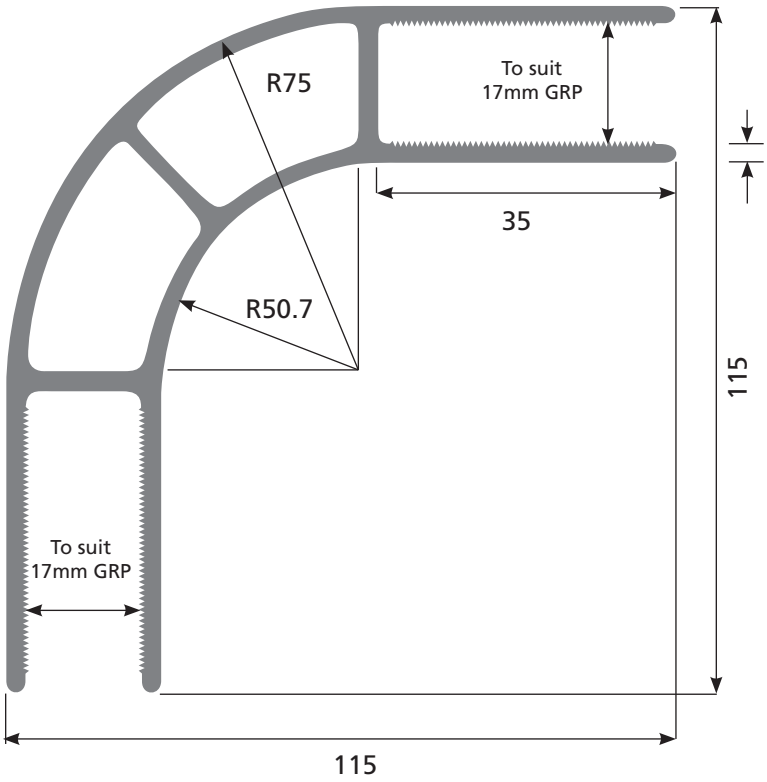
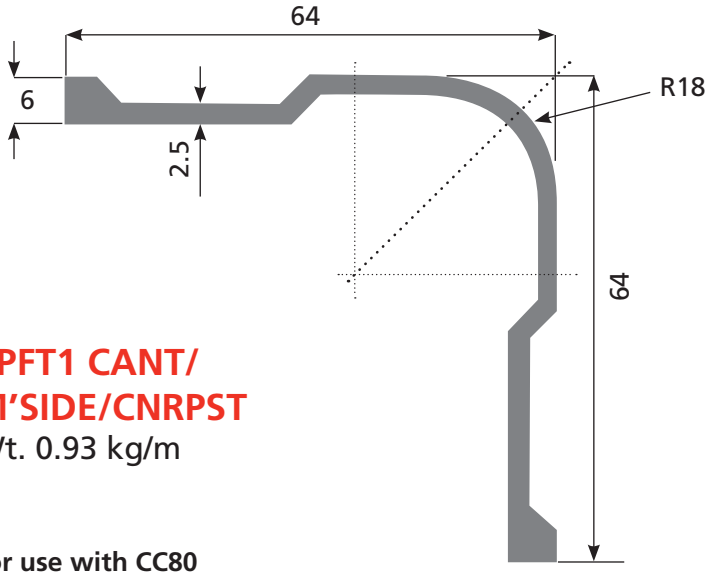



**CCP14**
Wt. 2.13 kg/m



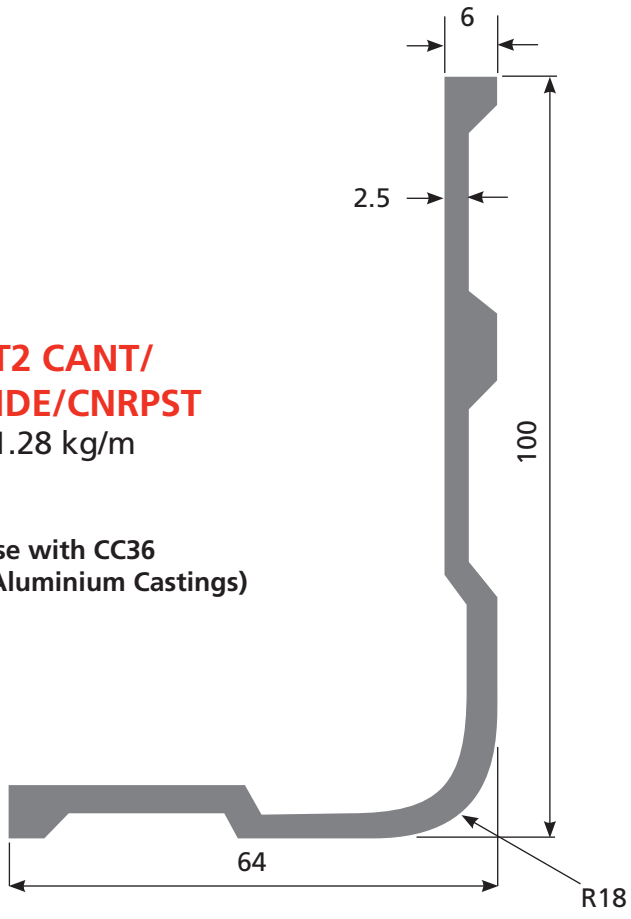

**CCP17**
Wt. 2.91 kg/m




## CPFT1 CANT/ M'SIDE/CNRPST

Wt. 0.93 kg/m

**For use with CC80**
**(see Aluminium Castings)**

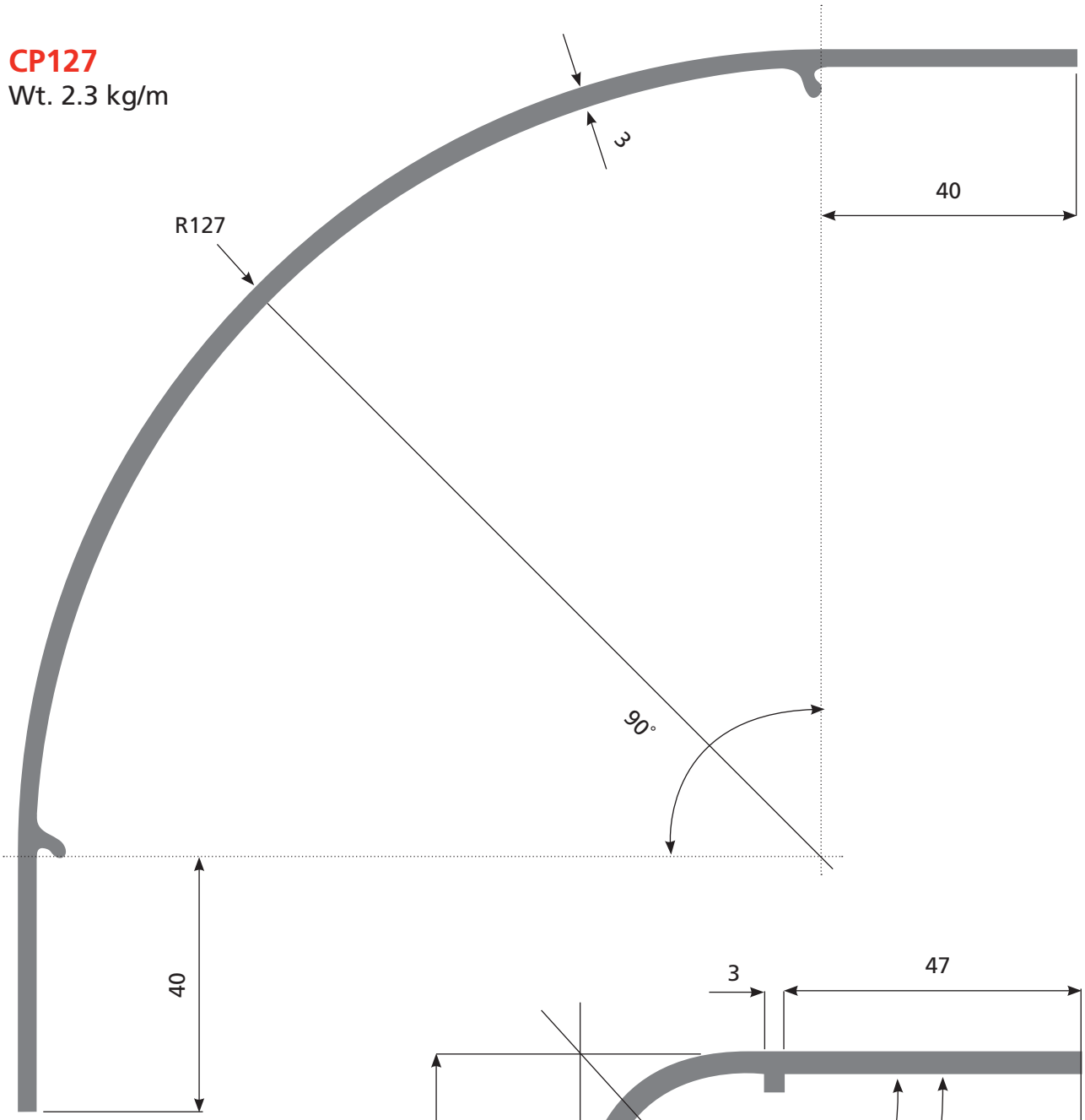


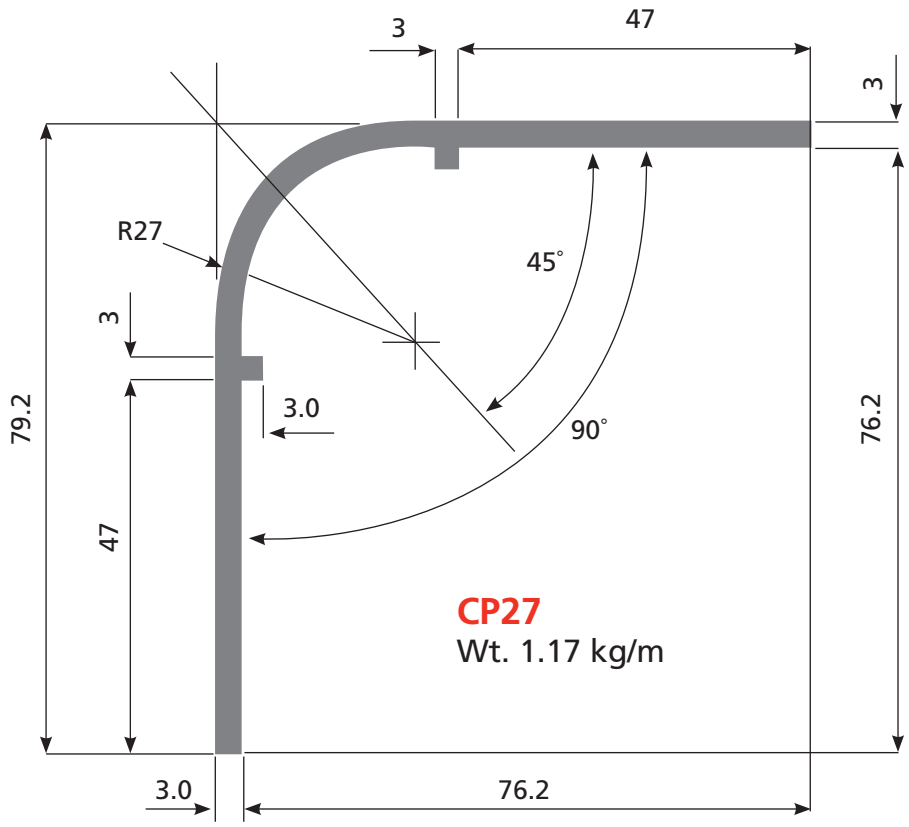

## CPFT2 CANT/ M'SIDE/CNRPST

Wt. 1.28 kg/m

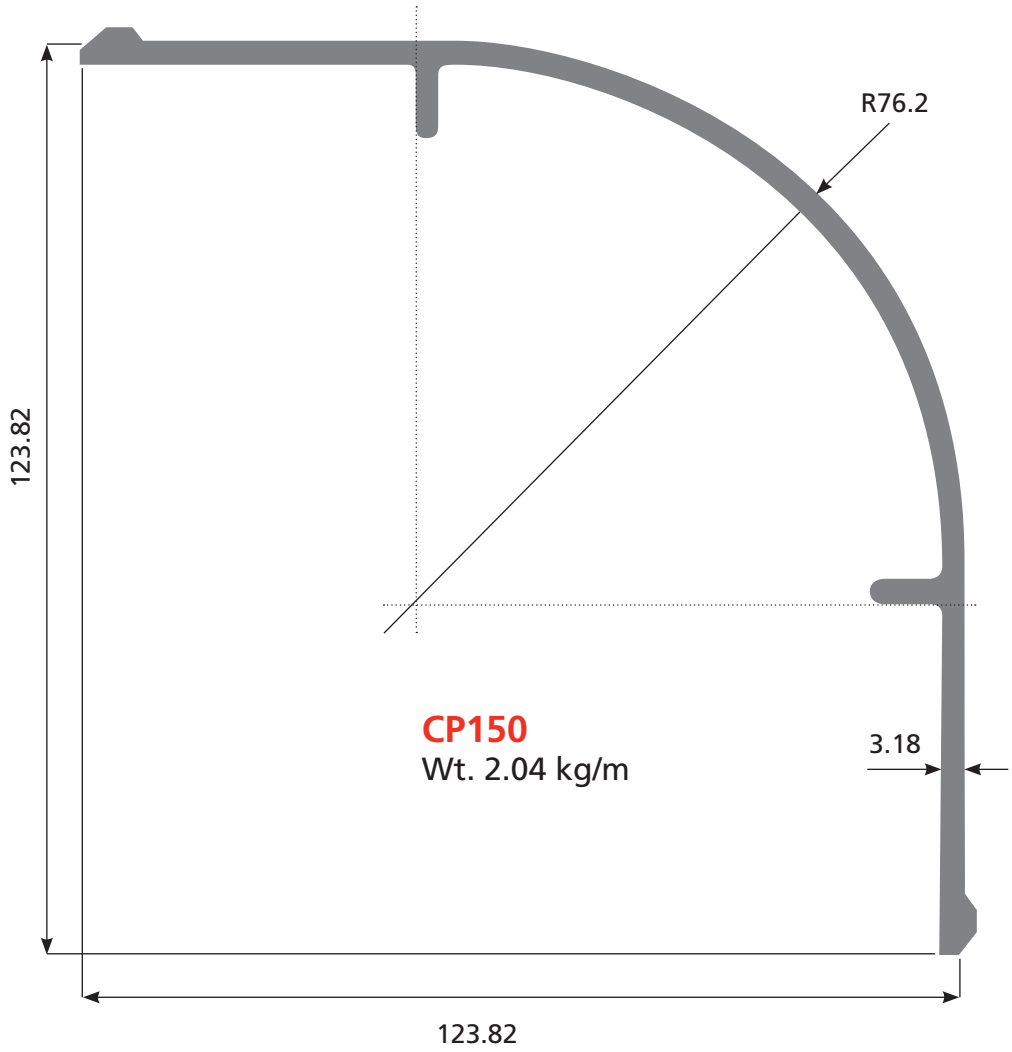
**For use with CC36**
**(see Aluminium Castings)**

## CP127
Wt. 2.3 kg/m

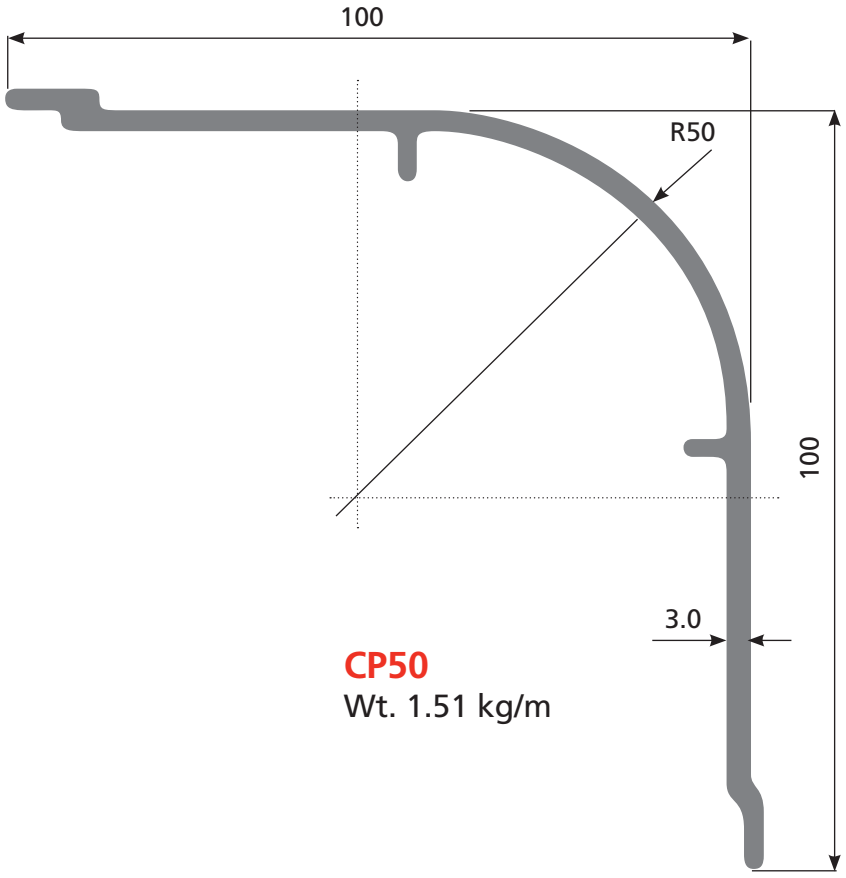



## CP27
Wt. 1.17 kg/m




**CP150**
Wt. 2.04 kg/m




**CP50**
Wt. 1.51 kg/m

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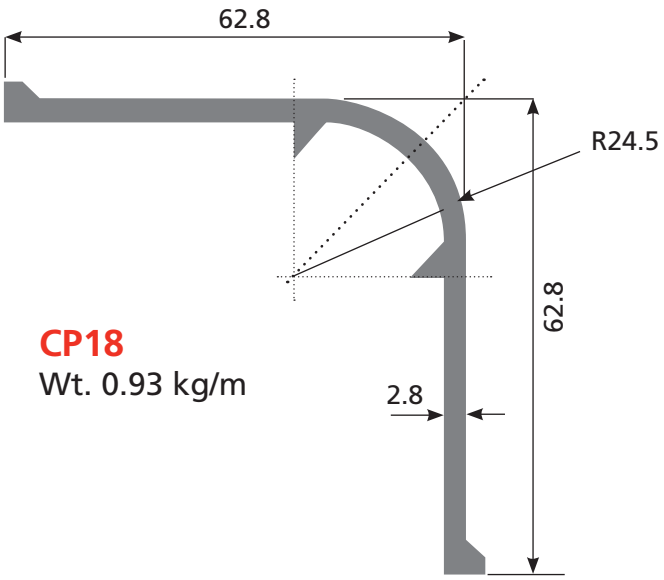
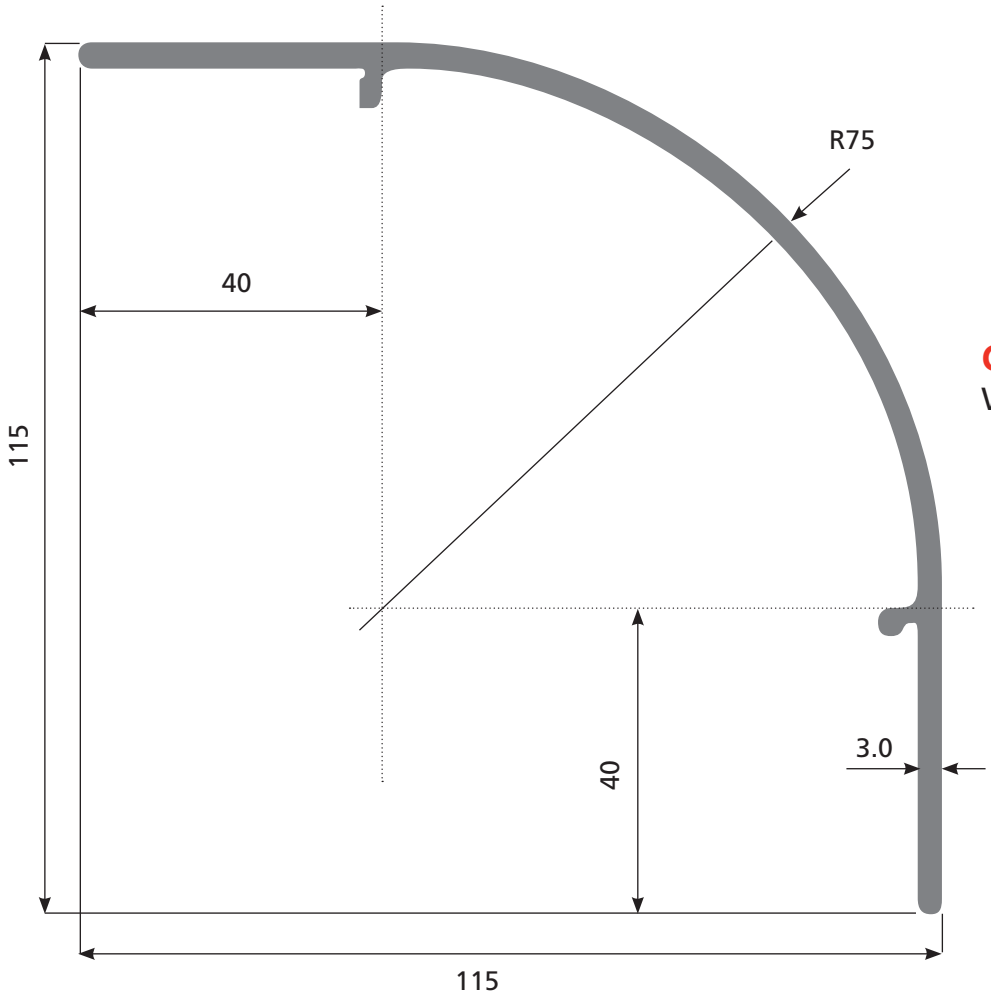
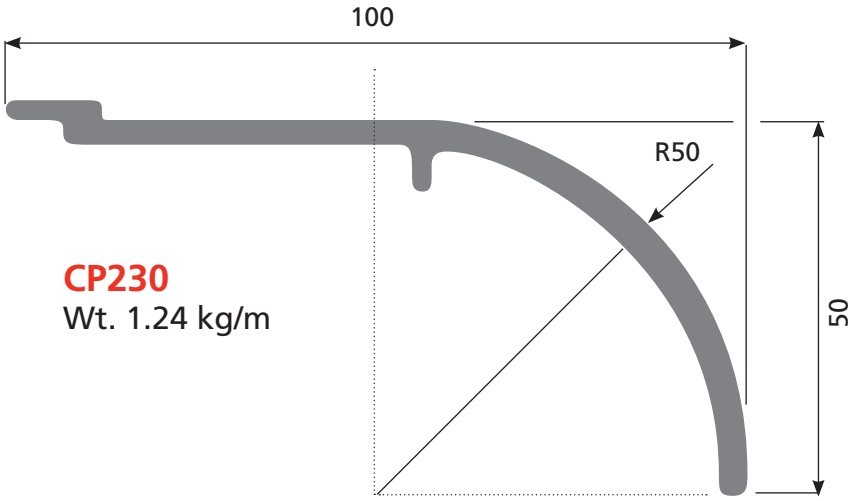


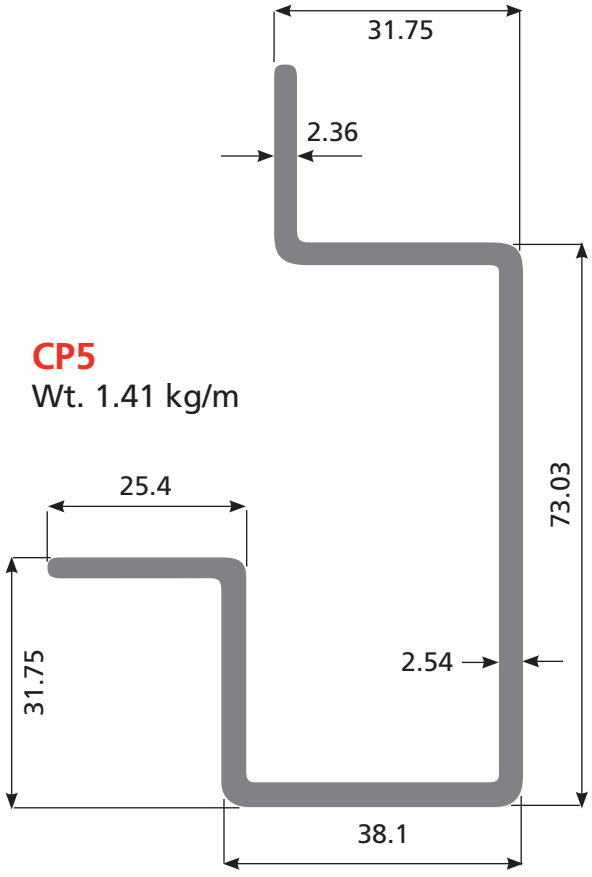

**CP18**
Wt. 0.93 kg/m




**CP75**
Wt. 1.65 kg/m




**CP230**
Wt. 1.24 kg/m

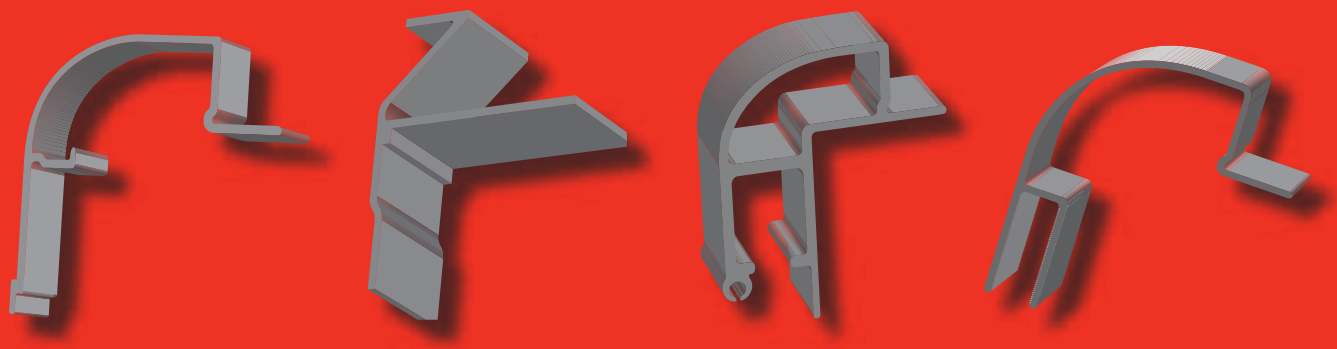



**CP5**
Wt. 1.41 kg/m

# E: Cant Rails

## *Cant Rails*


| | |
|---|---|
| CR75 | **E1** |
| CR31 | **E1** |
| CCR14 | **E2** |
| CCR17 | **E2** |
| CR50 | **E3** |
| CCR50 | **E3** |
| CR127 | **E4** |
| CR29 | **E4** |

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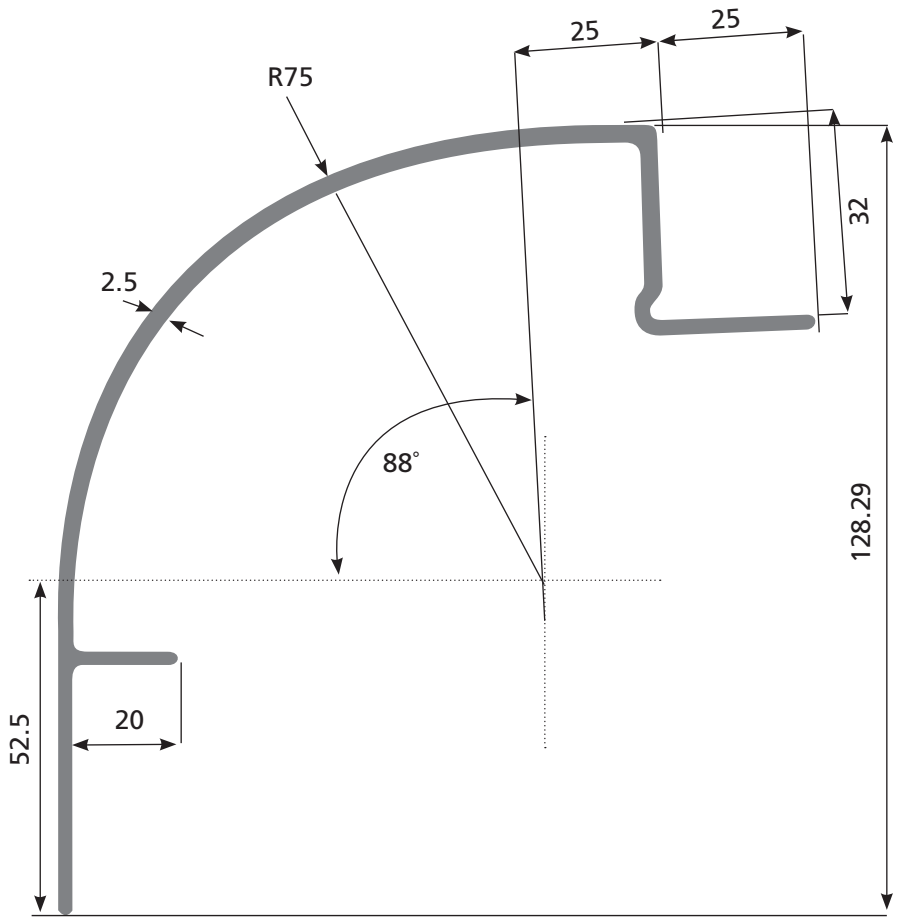
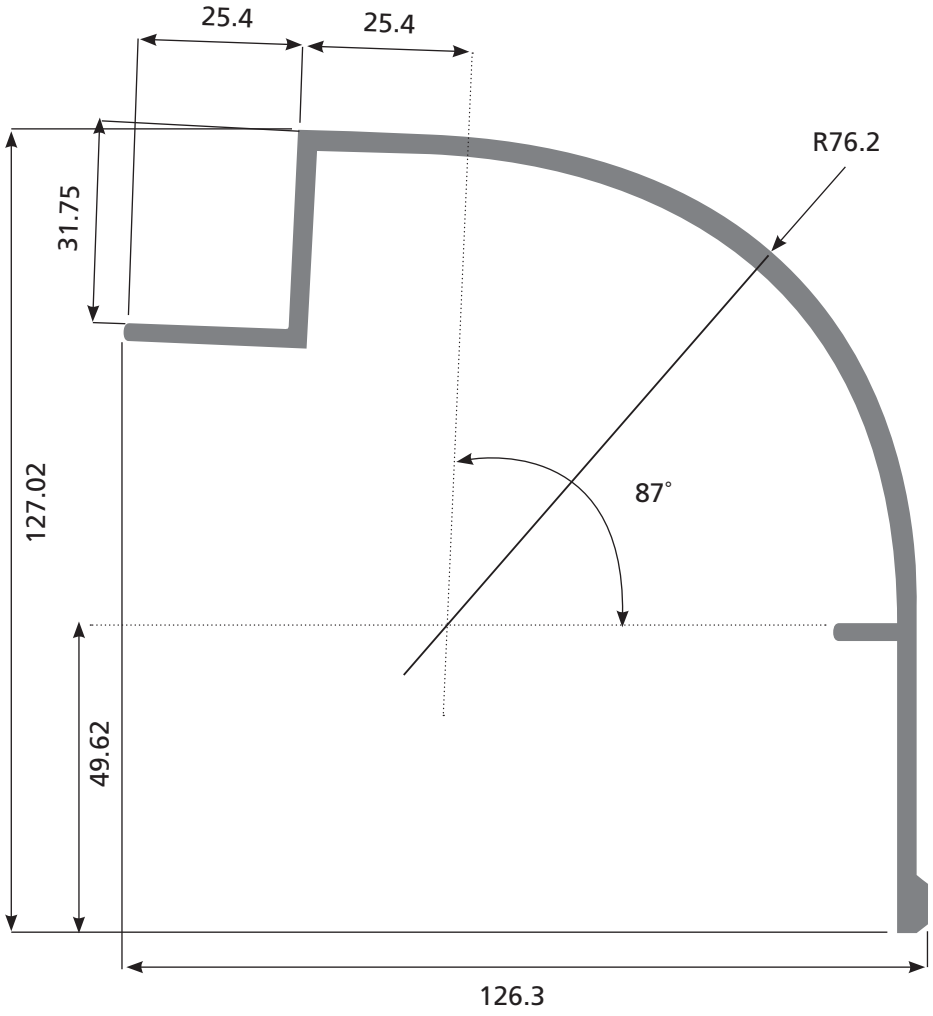



## CR75
Wt. 1.81 kg/m

**For use with CC75R & CC75S (see Aluminium Castings)**




## CR31
Wt. 1.96 kg/m

**For use with CC31R & CC31S (see Aluminium Castings)**

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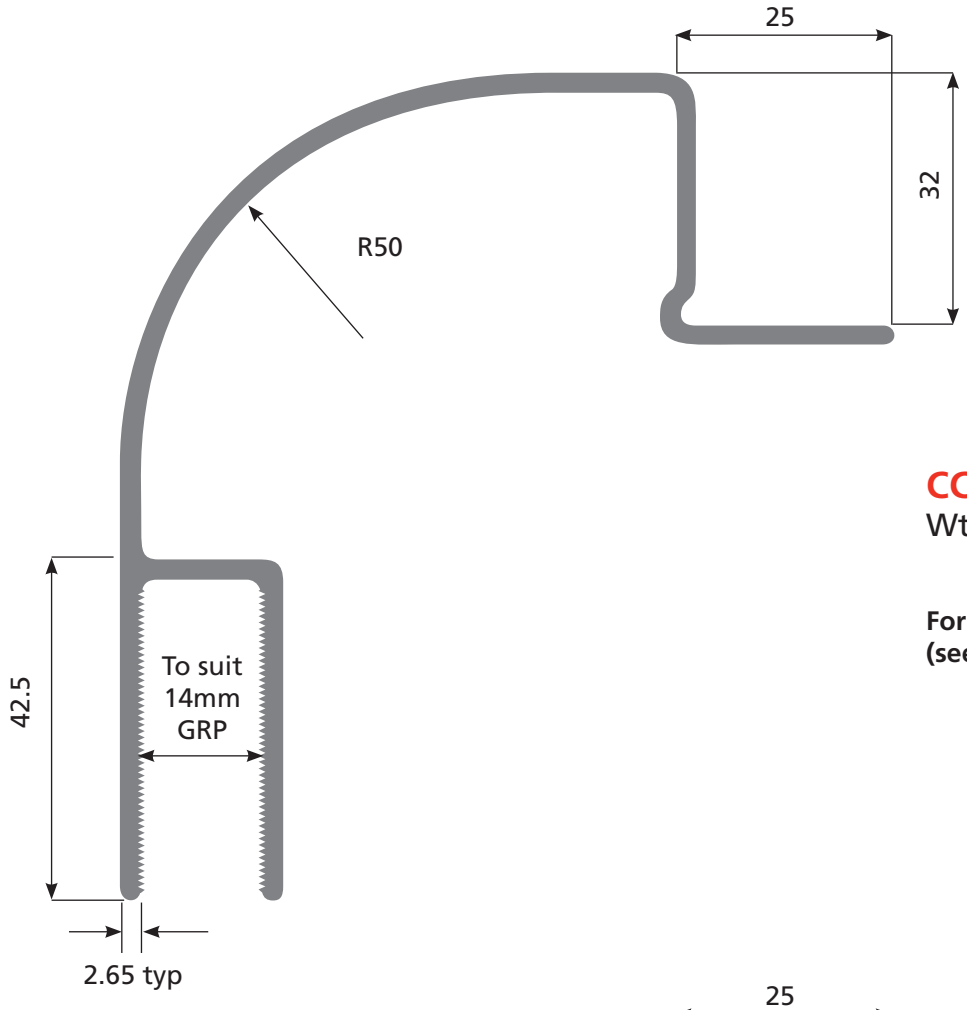
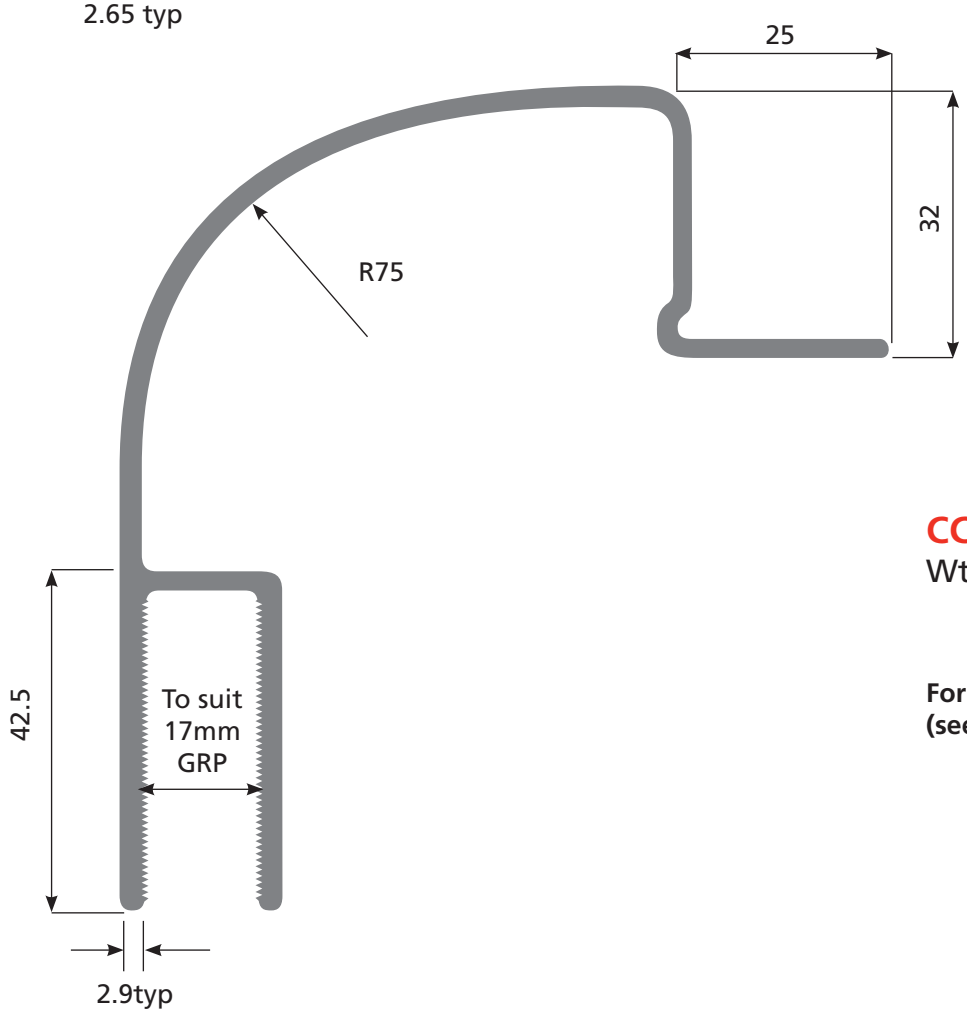



## CCR14

Wt. 1.7 kg/m

**For use with CCP14R & CCP14S (see Aluminium Castings)**




## CCR17

Wt. 2.16 kg/m

**For use with CCP17R & CCP17S (see Aluminium Castings)**

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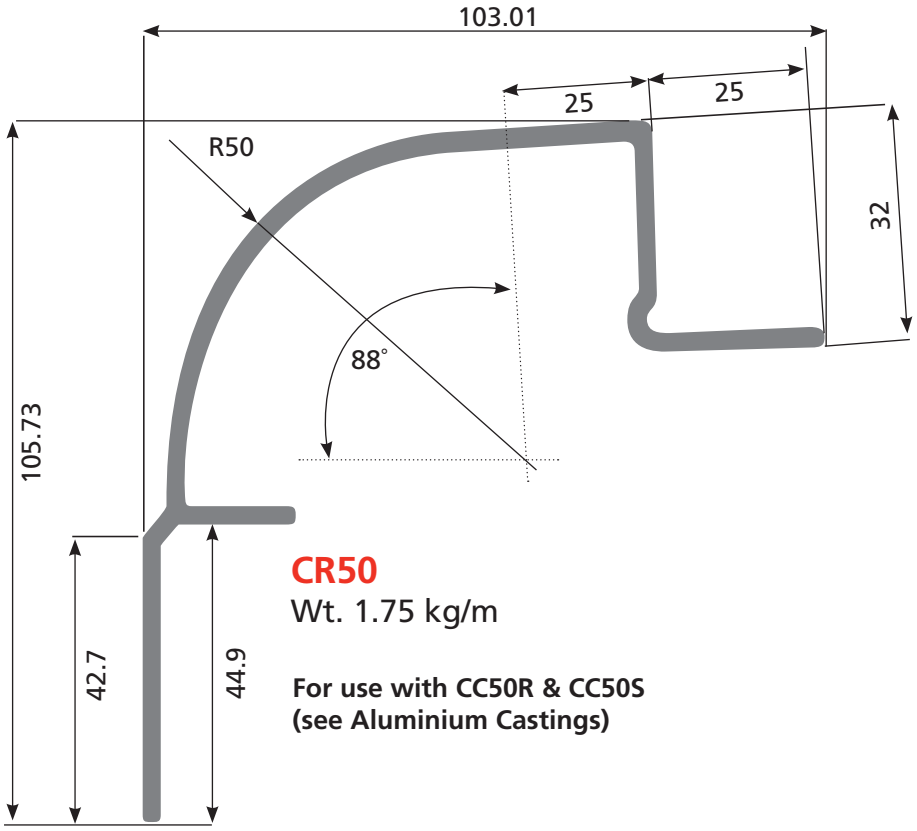
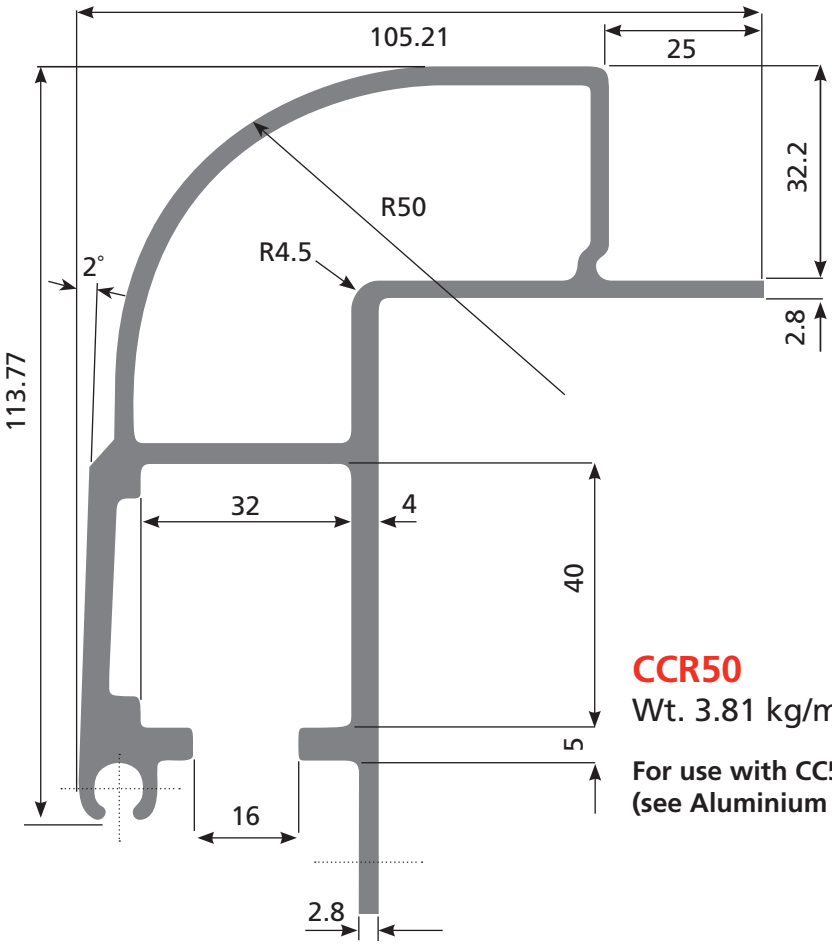



## CR50

Wt. 1.75 kg/m

**For use with CC50R & CC50S (see Aluminium Castings)**




## CCR50

Wt. 3.81 kg/m

**For use with CC50R & CC50S (see Aluminium Castings)**

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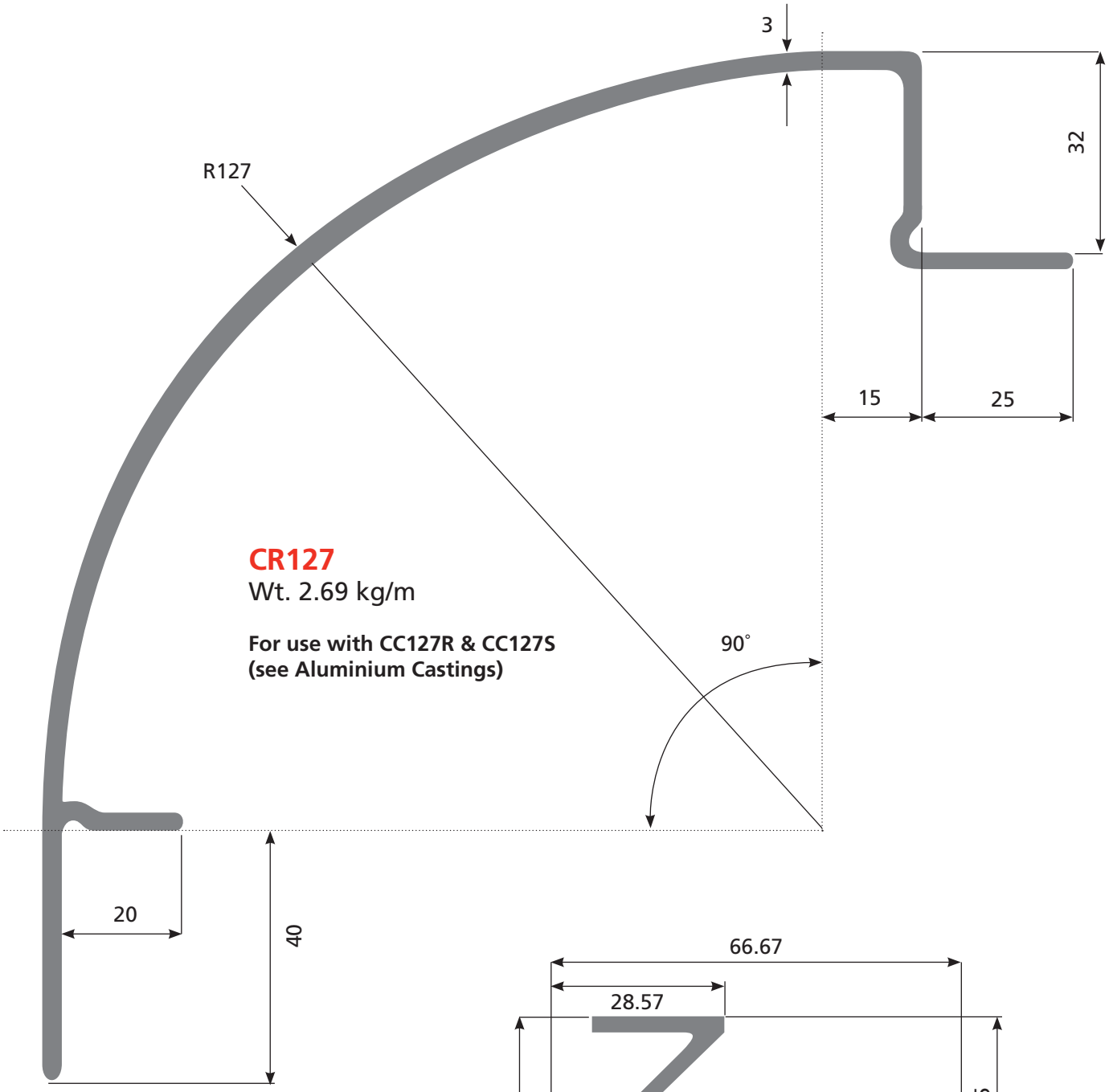
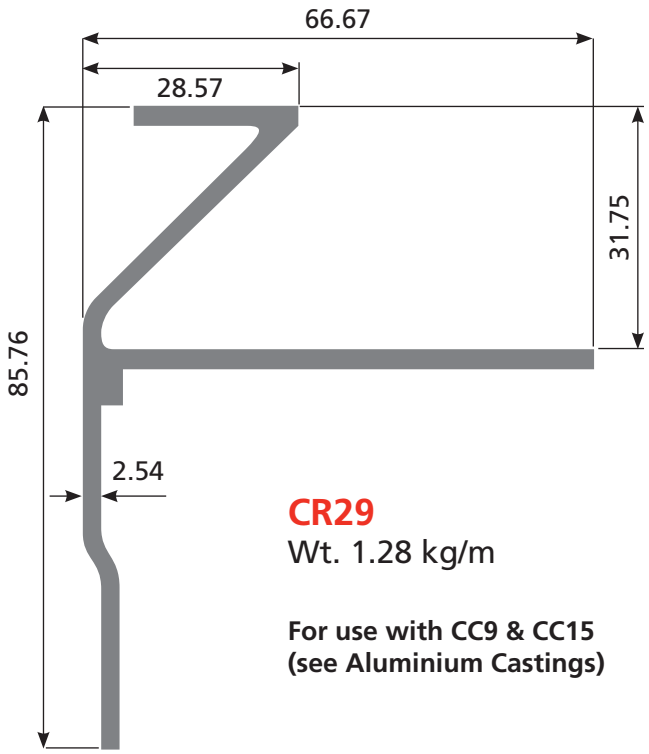



## CR127

Wt. 2.69 kg/m

**For use with CC127R & CC127S**
**(see Aluminium Castings)**




## CR29

Wt. 1.28 kg/m

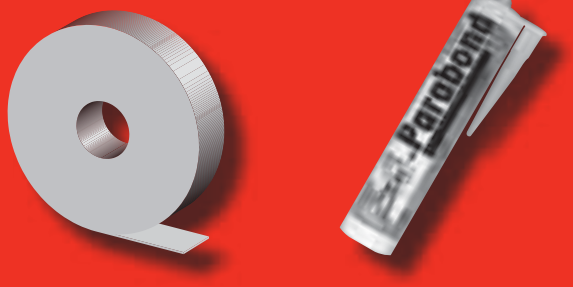
**For use with CC9 & CC15**
**(see Aluminium Castings)**

# F: Roofing


## *Roofing Diagram* F1

## *Roofing Components*

GRP Roof Coil - FC01 **F2**
Aluminium Roof Coil **F2**
Double-Sided Tape **F2**
Detaflex 4000 **F3**
Parabond 600 **F3**
Pre-bowed Aluminium Roof Sticks **F4**
Steel Top Hat Roof Sticks **F4**
Steel Bowler Hat Roof Sticks **F4**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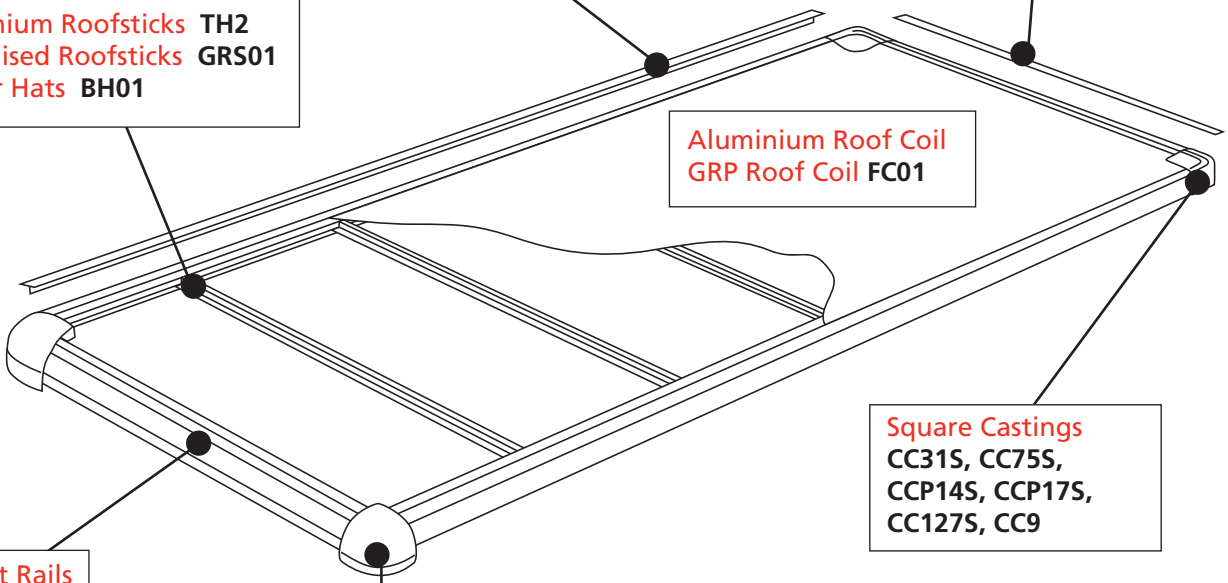
Other items used Double Sided Tape **DS1619**
**Detaflex 4000** Sealant
**Parabond 600** Sealant



Moulding **M105**

Moulding **M105**

Aluminium Roofsticks **TH2**
Galvanised Roofsticks **GRS01**
Bowler Hats **BH01**

Aluminium Roof Coil
GRP Roof Coil **FC01**

Square Castings
**CC31S, CC75S, CCP14S, CCP17S, CC127S, CC9**

GRP Cant Rails
**CCR50, CCR14 CCR17, CR75 CR31, CR127 CR29**

Radius Casting
**CC31R, CC75R, CCP14R, CCP17R, CC127R, CC15**

## FC01 - GRP Roof Coil

2550mm wide x 1.3mm thick Available in Opal or Blue. 42 metre long coils that can be cut to any length then recoiled and packed for easy transportation.

GRP flat and corrugated panels are produced on modern continuous lamination lines. The main ingredients are high quality polyester resins and glass fibre reinforcements that provide high mechanical strength properties to the product.

## Aluminium Roof Coil

2550mm wide x 0.8mm thick. Available in full coil and cut to any length specified, then recoiled for easy transport and handling.

## Double-Sided Tape

**DS1619**

White, high bond strength DS Tape for a wide range of applications. Bonds well to metals, plastics, etc.

**Technical specification**

| | |
|---|---|
| **Product** | Orthophtalic polyester resin and fibre glass |
| **Fibre glass content** | 25 - 30% |
| **Colour** | Milk white |
| **Light transmitted** | Approx. 50% |
| **Standard surface** | Smooth / Smooth<br>Smooth / Rough |
| **Thickness** | 1.3± 0.19mm |
| **Density** | 1.4-1.45 g/cm$^3$ |
| **Service temperature** | -40˚C + 120˚C |
| **Tensile strength** | > 50Mpa |
| **Bending strength** | 80-90 Mpa |
| **Modulus of elasticity** | 6000/7000 Mpa |
| **Elongation of break** | 2% |
| **Thermal lineal expansion coefficient** | 2.7 - 10$^{-5}$ cm/cm˚C |
| **Barkol hardness** | >40 barkol |
| **Water absorption** | 0.2% |
| **Heat transmission coefficient** | 5 Kcal/m h˚C |
| **Self-ignition temperature** | 480˚C |
| **Biological resistance** | Perfect against micro-organisms, algae, mildew and fungus |
| **Resistance to corrosion** | Good resistance to general corrosion of chemical agents and sea water |

**Dimensional tolerance**

| | |
|---|---|
| **Unit weight** | ±10% |
| **Average thickness** | ±15% |
| **Width** | ±1% |
| **Length** | ±1% |

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## Detaflex 4000

**Description**

Detaflex 4000 is a high modulus, fast vulcanising, elastic surpaintable, one component polyurethane sealant for sealing and bonding in the automotive and truck industry. WRAS approved.

**Properties -Vulcanized sealant**

| | |
|---|---|
| Shore A Hardness (ISO 868) | 40 |
| Maximal joint distortion | 25% |
| Modulus at 100% elongation (ISO8340) | 0.38 N/mm$^2$ |
| Elongation at break (ISO8339) | 680% |
| Temperature resistance | -40°C and +90°C |

Detaflex 4000 has a good resistance against high and low temperatures -40°C to + 90°C. Complies with container "Butter Test" and approved to BS5929:Part3:1984.

**Joint Measures**

| Joint width | Joint depth | Allowed difference |
|---|---|---|
| 3-4mm | 4-5mm | 1mm |
| 6mm | 6mm | 1mm |
| 8mm | 6mm | 1mm |
| 10mm | 8mm | 2mm |
| 15mm | 10mm | 2mm |
| 20mm | 12mm | 2mm |
| 25mm | 15mm | 2mm |

**Processing temperature**

Between +5°C up and +40°C

**Surfaces**

All surfaces must be dry, clean and free from dust and grease. When necessary, degrease with Top Cleaner, MEK, alcohol or ethanol. If necessary, use primer. It is recommended that adhesion tests are carried out to determine the suitability of the product for its application. When in doubt, contact the technical support service.

**Available colours**

White, grey and black

**Precautions**

Contains Isocyanate. See information supplied by the manufacturer. Safety data sheet available for professional use on request. S23 Do not breathe vapour.

## Parabond 600

**Description**

A high quality, fast curing universal adhesive sealant based on MS polymer with very high initial strength. Perfect for bonding and sealing of most materials on nearly all surfaces (porous or non-porous) in the automotive sector. Flexible adhesion to most common materials including wood, PVC, glass, mirrors, aluminium, stainless steel, copper.

**Characteristics**

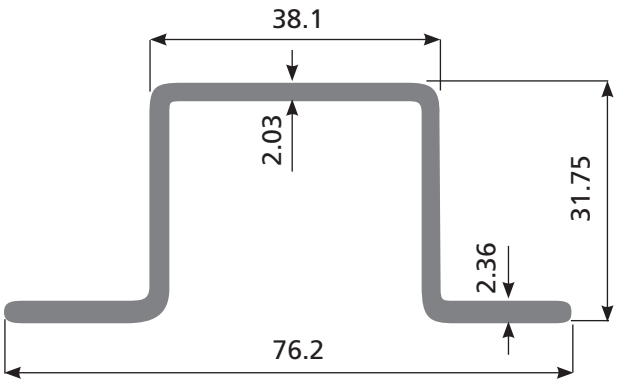
- High initial adhesion (high track) even without the need for clamping
- Fast build up of internal strength
- Excellent adhesion without primer, even on slightly damp surfaces
- Free of solvents and isocyanates
- The product is paintable
- Finished product keeps exceptional elasticity for extended period of time
- Does not corrode metals
- Can be applied indoors or outdoors
- High weathering and UV resistance
- Fungal resistant
- Guarantees exceptional strength after curing, for an elastic adhesive the force at break is exceptional : 18kg/cm$^2$

**Packaging and colours**

25 cartridges of 290ml per box
Available in white, grey, black, dark brown and beige

## Pre-Bowed Aluminium Roof Sticks

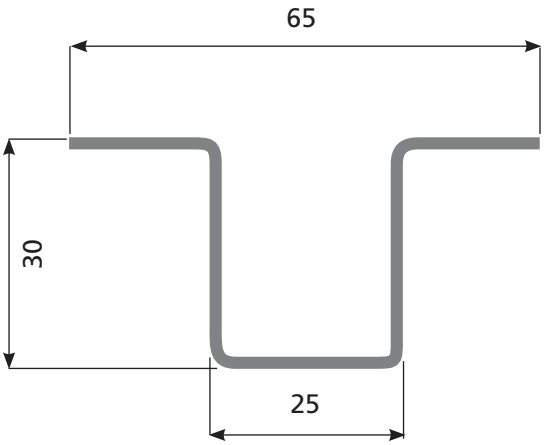
Material: Aluminium
Weight: 0.777 kg/meter
Availability: 2500mm long with 25mm rise, ±5mm and is supplied flanges up or down.




**TH2**
Wt. 0.78 kg/m

## Steel Top Hat Roof Sticks

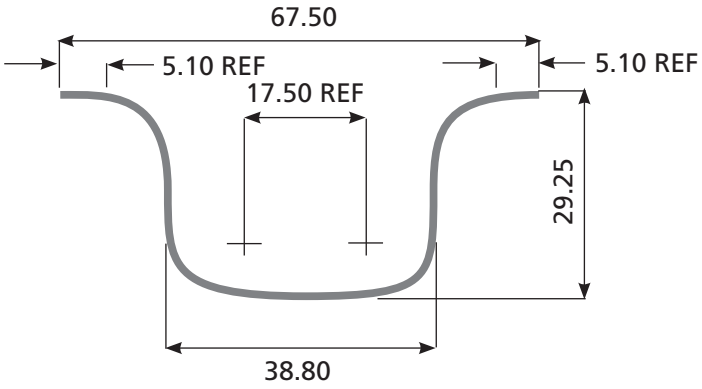
Material: 1.2mm Galvanised Mild Steel
Weight: 1.12 kg/meter
Availability: 2500mm long with 25mm rise, ±5mm and is supplied flanges up or down.




**GRS01 (Steel)**
Wt. 1.2 kg/m

## Steel Bowler Hat Roof Sticks

Material: 0.9mm Galvanised Mild Steel
Weight: 0.78 kg/meter
Availability: 2500mm long with 25mm rise, ±5mm and is supplied flanges up.




**BH01 (Steel)**
Wt. 0.78 kg/m

Roofsticks will normally be supplied pre-bowed with legs on inside radius
Can also be supplied pre-bowed with legs on outside of radius

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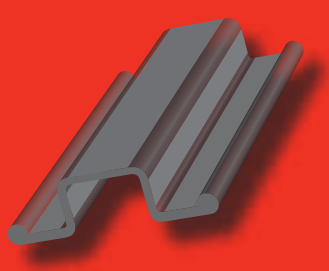
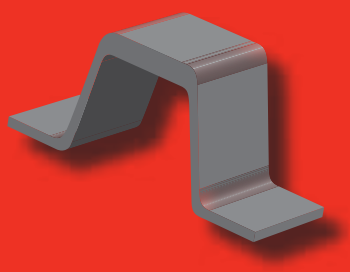
# G: Top Hats

## *Top Hats*

| | |
|---|---|
| TH90 | **G1** |
| TH16 | **G1** |
| TH5 | **G1** |
| TH26 | **G1** |
| TH13 | **G1** |
| TH61 | **G2** |
| TH14 | **G2** |
| TH21 | **G2** |
| TH2 | **G2** |





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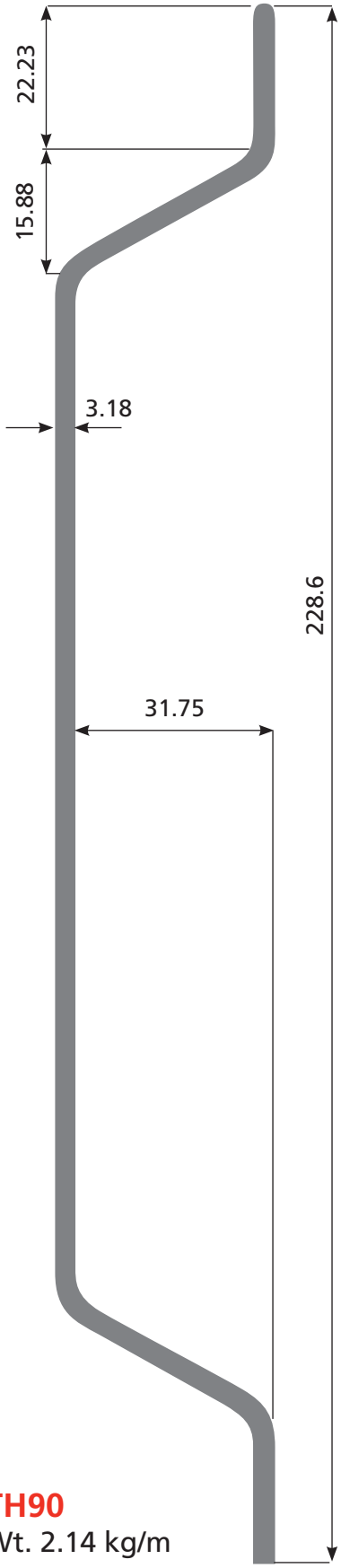
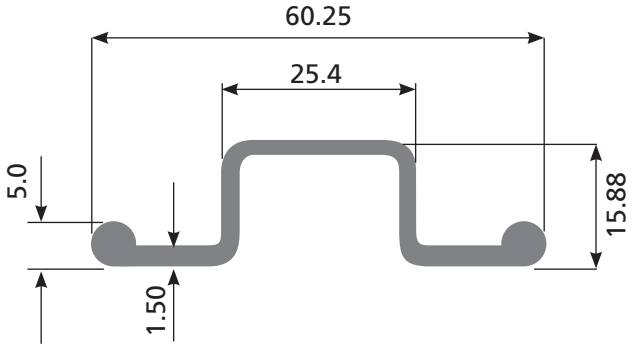


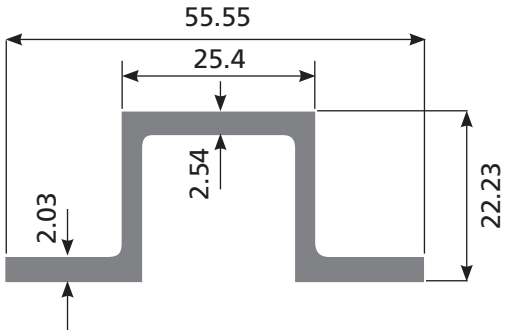

## TH90
Wt. 2.14 kg/m

**For use with CC35**
**(see Aluminium Castings)**

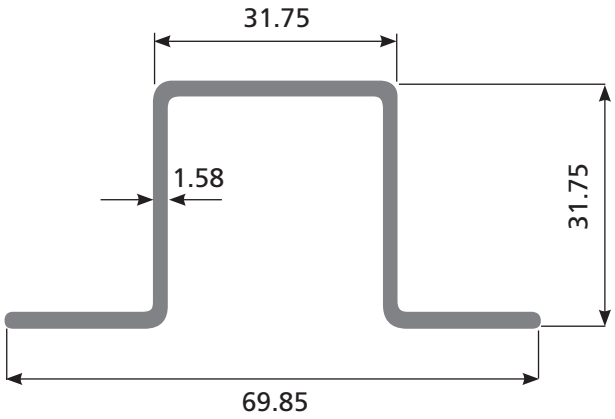
## TH16
Wt. 0.42 kg/m



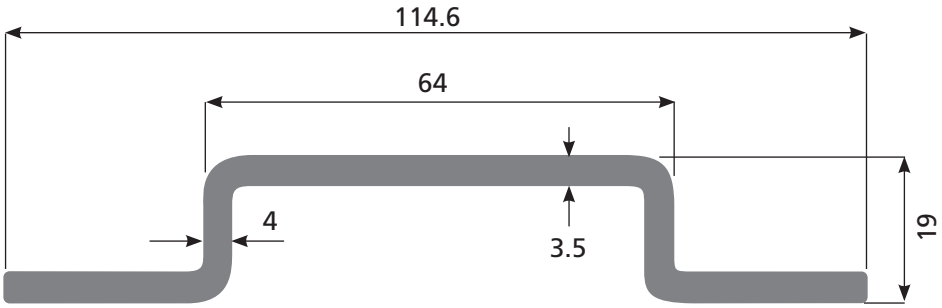

## TH5
Wt. 0.56 kg/m




## TH26
Wt. 0.54 kg/m




## TH13
Wt. 1.38 kg/m

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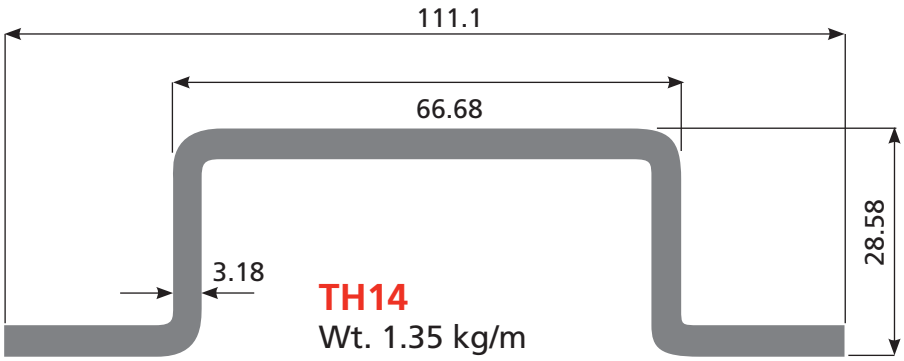
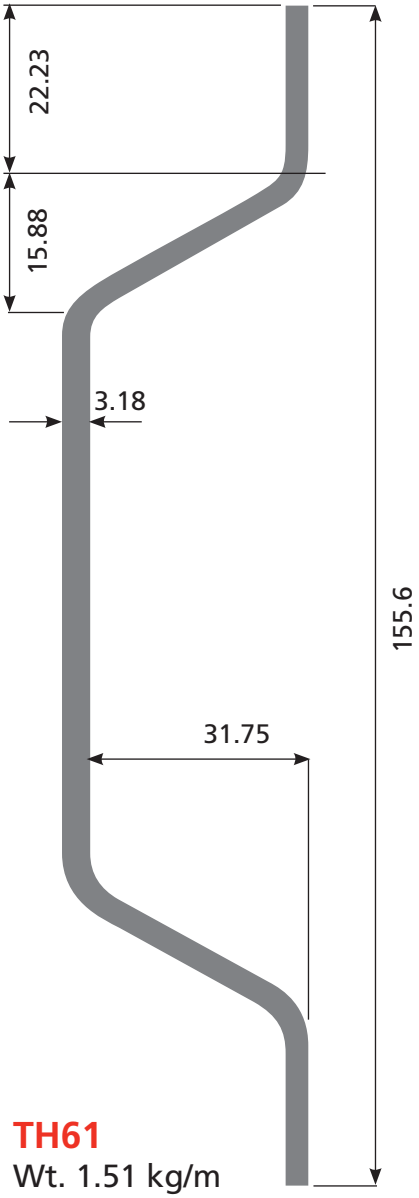


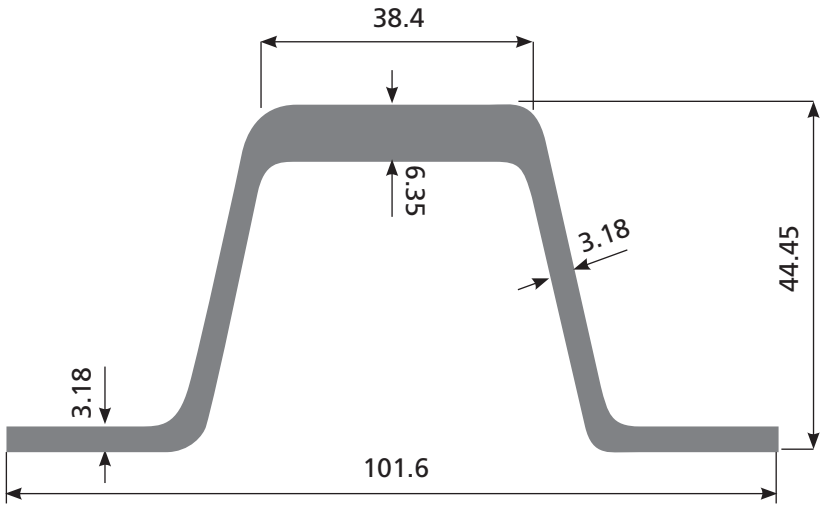

## TH14
Wt. 1.35 kg/m

**For use with CC28**
**(see Aluminium Castings)**

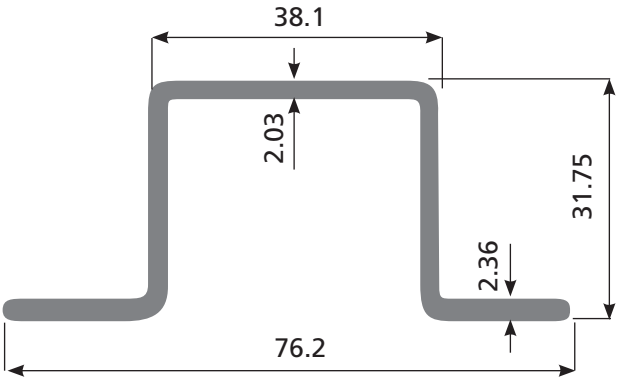



## TH61
Wt. 1.51 kg/m

**For use with CC38**
**(see Aluminium Castings)**




## TH21
Wt. 1.74 kg/m




## TH2
Wt. 0.78 kg/m

**For use with CC14**
**(see Aluminium Castings)**

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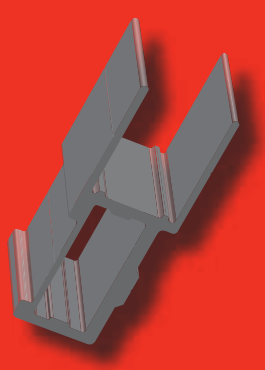
# H: Dropside Bodies

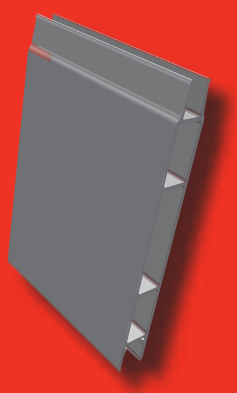
## *Dropside Diagrams*


Standard Dropside Diagram **H1**
Lightweight Dropside Diagram **H2**


## *Dropside Sections*


DSBP200 **H3**
DSTP200 **H3**
DSIP100 **H4**
DSIP200 **H4**
DS400 **H5**
DS400L **H5**
BHCP34 **H6**
DC140 **H6**
RL694B **H7**
AL63 **H7**
DH300W **H7**
CTR7A **H8**
EC8A **H9**
CNR6A **H10**
Steel Pillars **H11**



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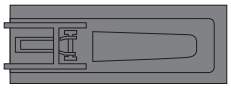
Dropside lock
**RL694B**



Floor Planks
**FP1, FP2, FP24**

Aalco HexaGrip,
AalcoMesh & AalcoTrans
Keruing and EGL

**FP4, FP15**

Pillar **BHCP34**
2x2x¼ angle
3x2x¼ angle

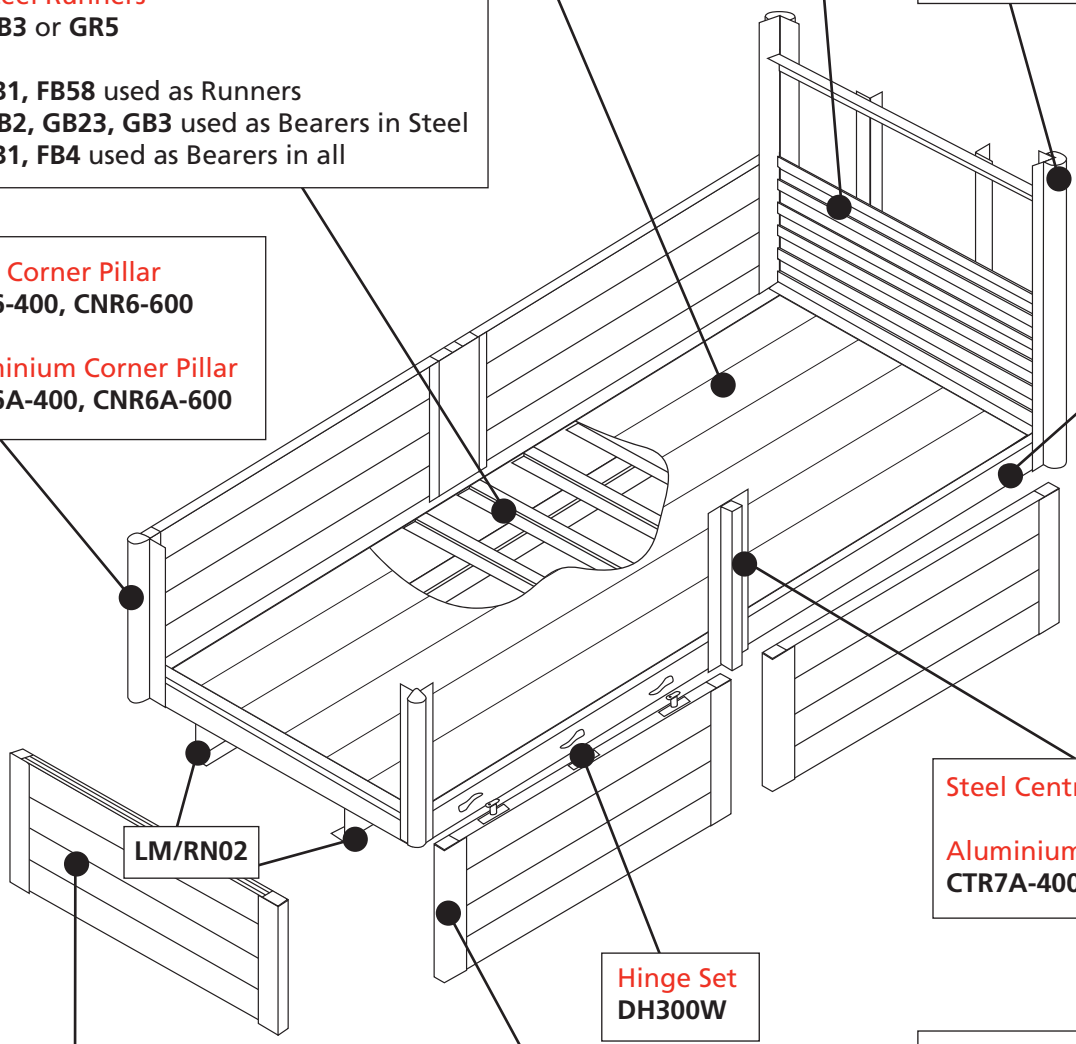
Steel Runners
**GB3** or **GR5**

**FB1, FB58** used as Runners
**GB2, GB23, GB3** used as Bearers in Steel
**FB1, FB4** used as Bearers in all

Steel Corner Pillar
**CNR6-400, CNR6-600**

Aluminium Corner Pillar
**CNR6A-400, CNR6A-600**

**SR3, SR4, SR22, all can be used as Side Raves**



**LM/RN02**

Steel Centre Pillars **CTR7**

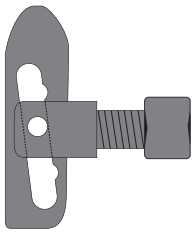
Aluminium Centre Pillars
**CTR7A-400, CTR7A-600**

Hinge Set
**DH300W**

Bottom Plank **DSBP200**
Middle Plank **DSIP200**
Top Plank **DSTP200**
Middle Plank (4") **DSIP100**
One Piece Plank **DS400**
One Piece Plank (long) **DS400L**
End Capping **DC140**

Steel End Caps
**EC8**

Aluminium End Caps
**EC8A-400, EC8A-600**



Anti Luce
Fastening Lug
**AL63**

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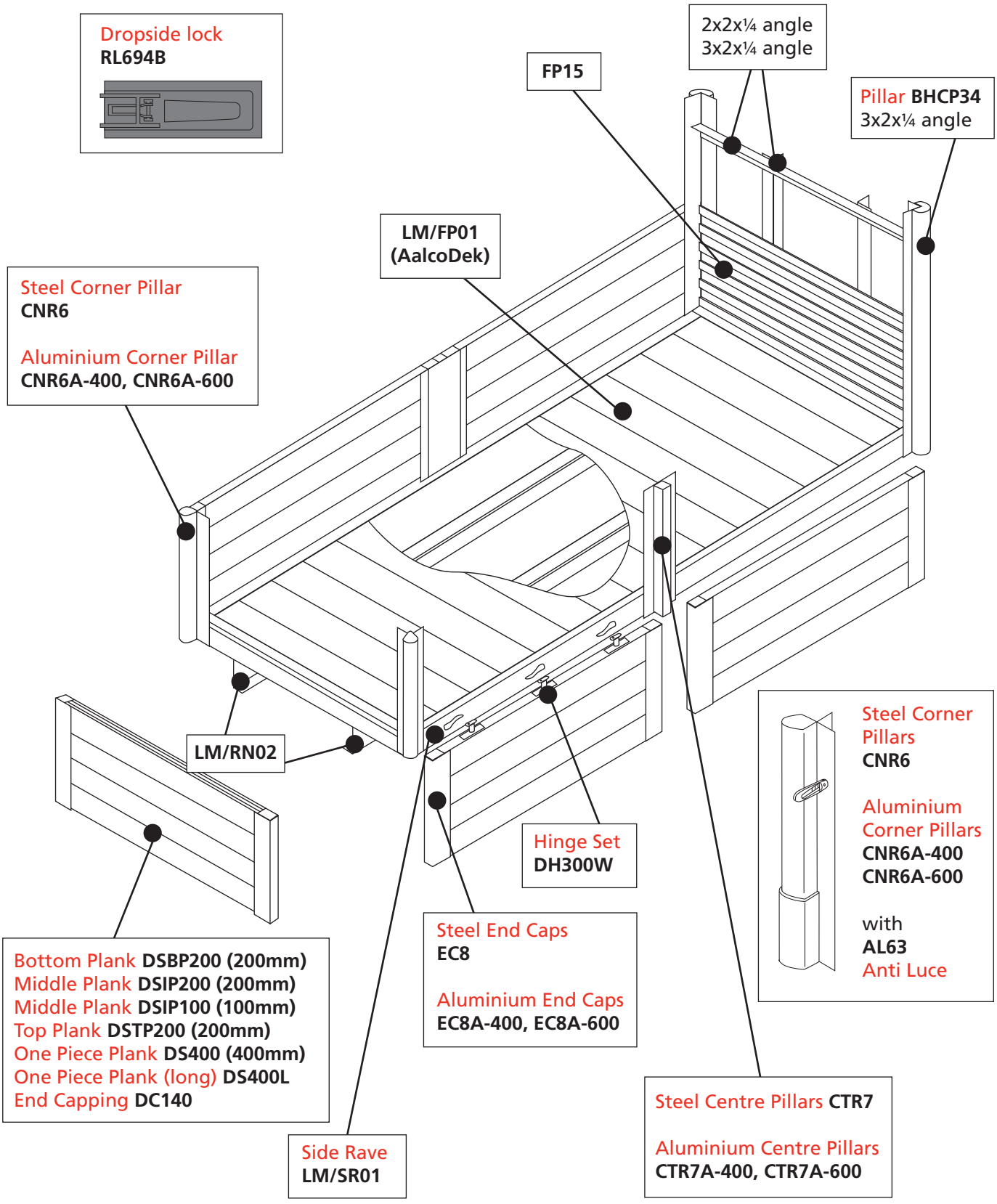
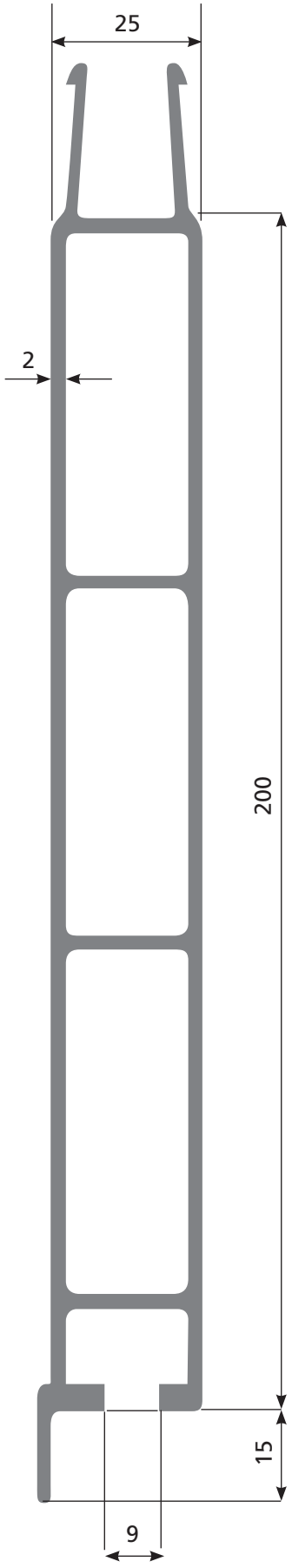
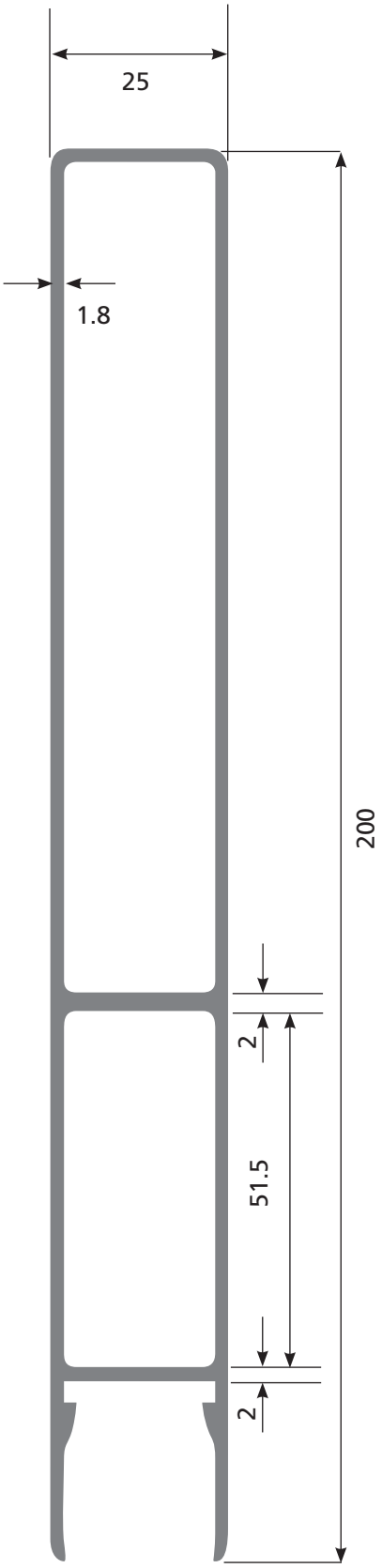
# LIGHTWEIGHT DROPSIDE DIAGRAM - **H2**



## DSBP200
Wt. 3.22 kg/m




## DSTP200
Wt. 2.53 kg/m

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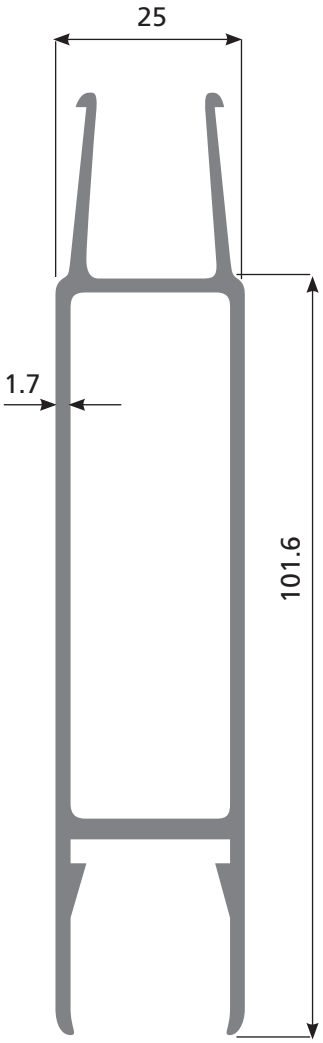
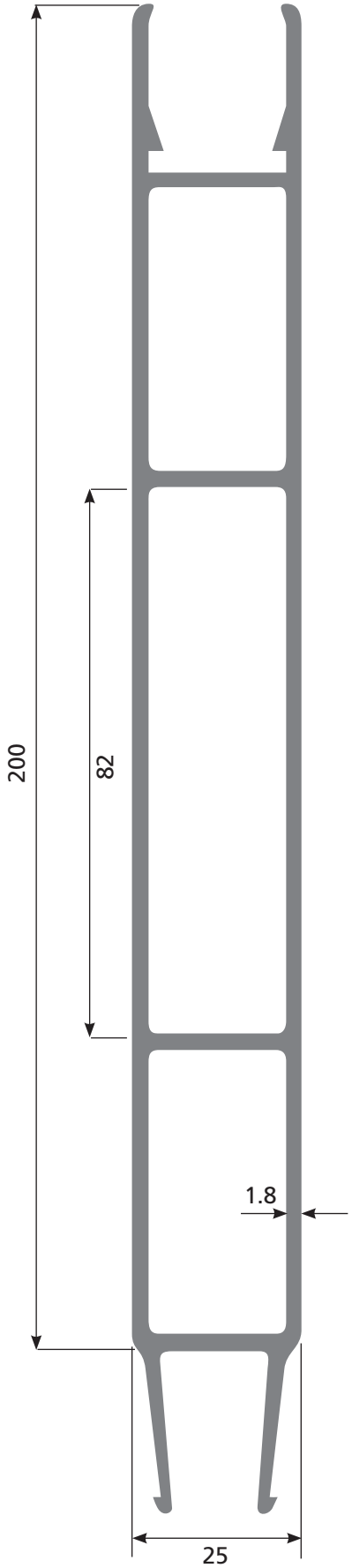
## DSIP100
Wt. 1.38 kg/m




## DSIP200
Wt. 2.61 kg/m

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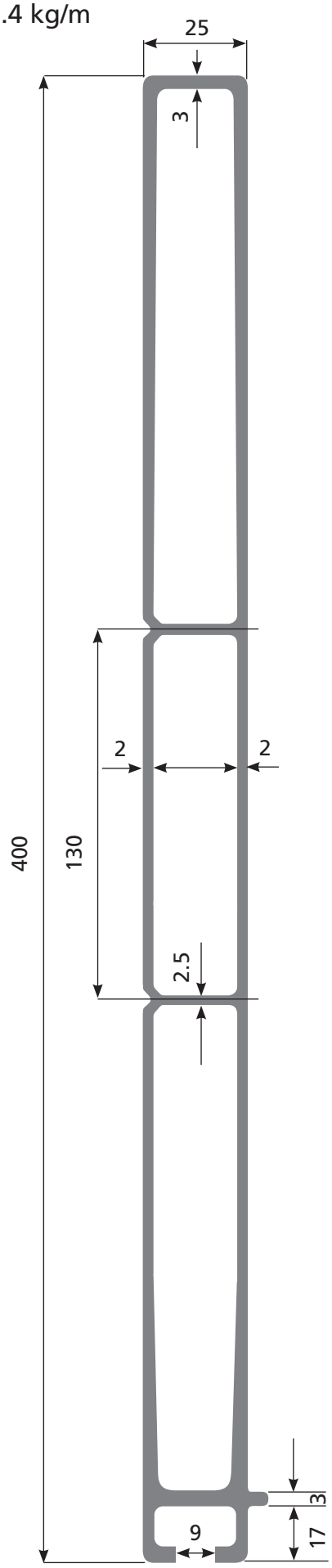
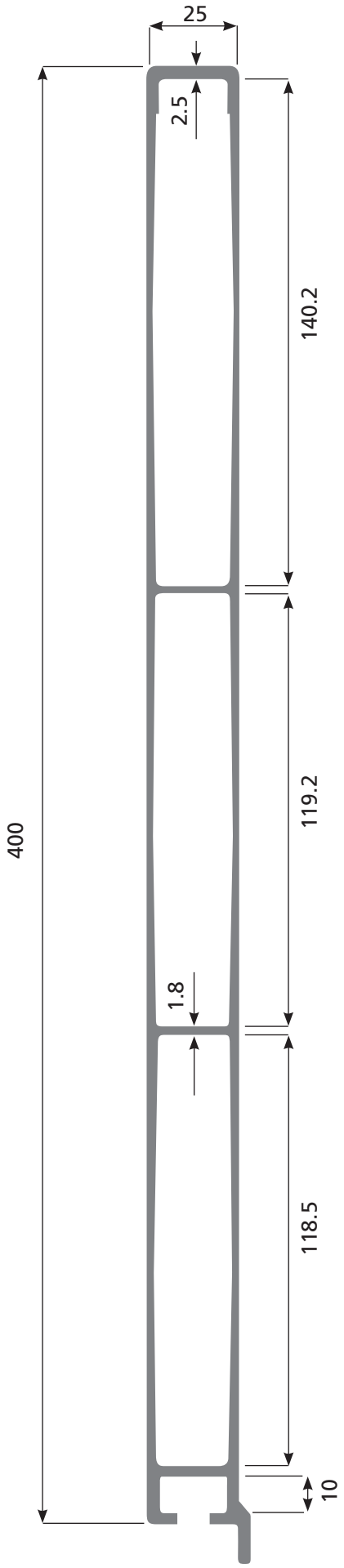
## DS400 (1PCE 400mm)

Wt. 5.4 kg/m




## DS400L (1PCE 400mm)

Wt. 4.8 kg/m

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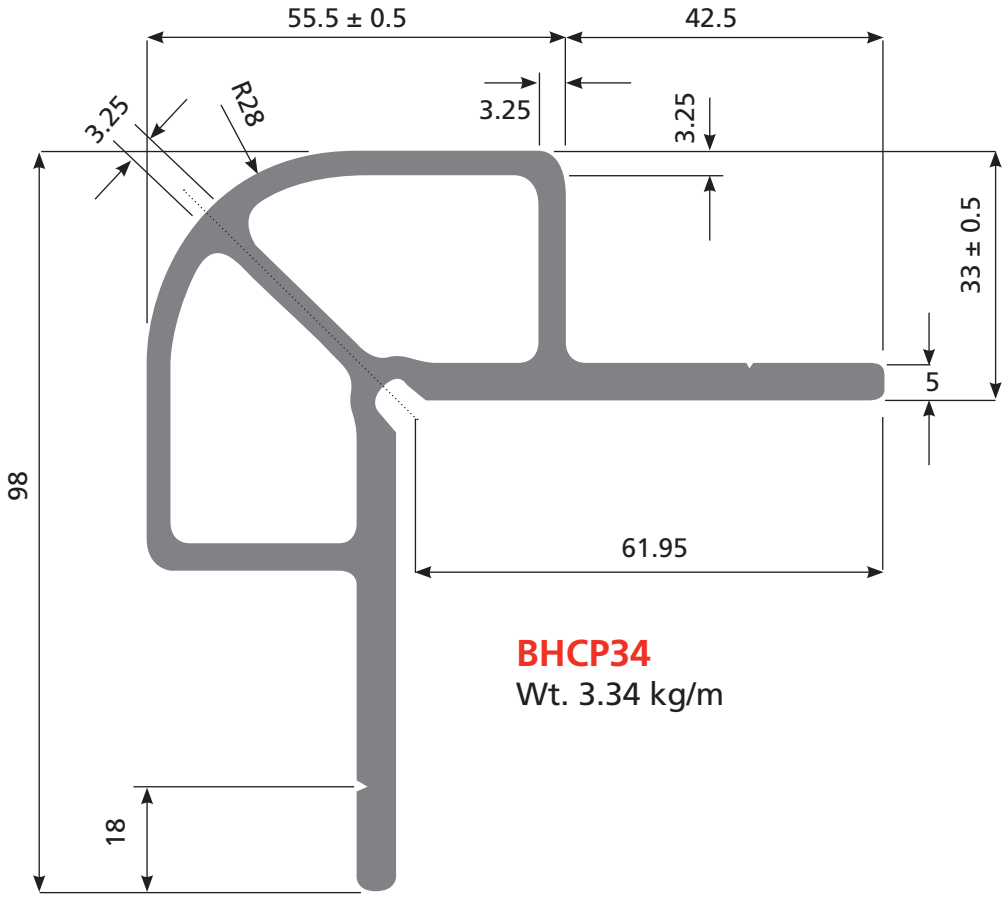
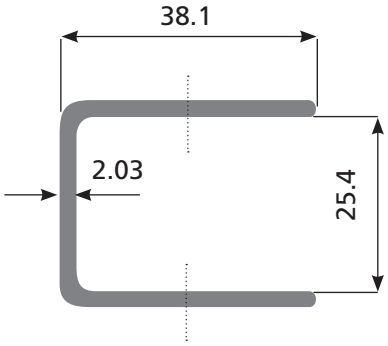
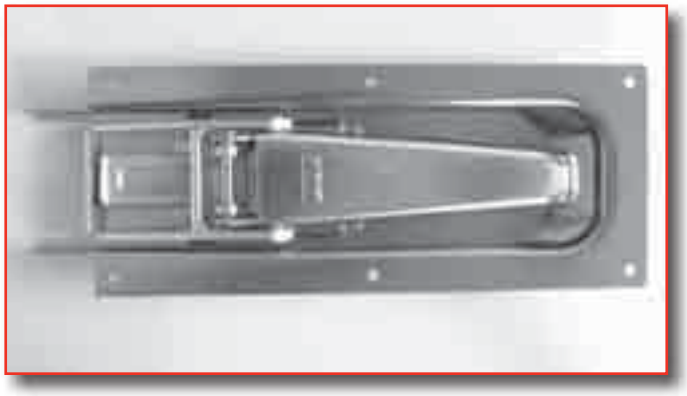


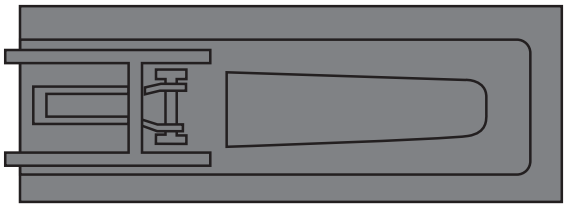

**BHCP34**
Wt. 3.34 kg/m

Both available in 5 metre lengths.

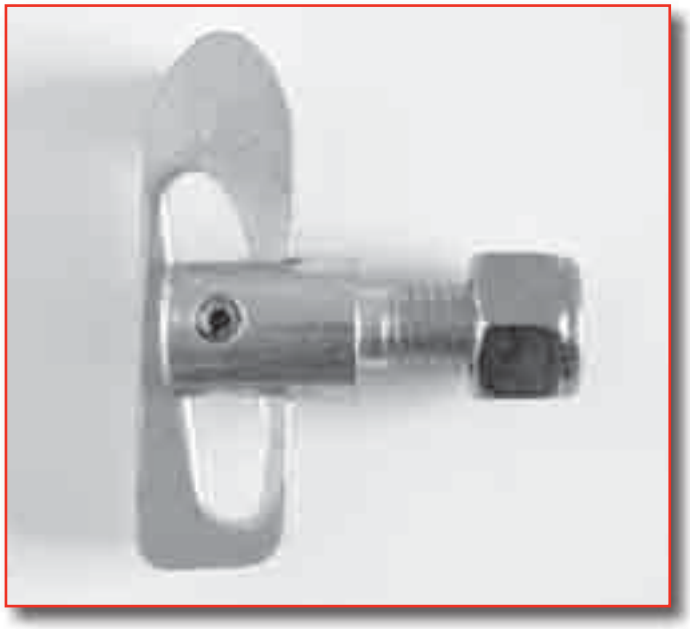


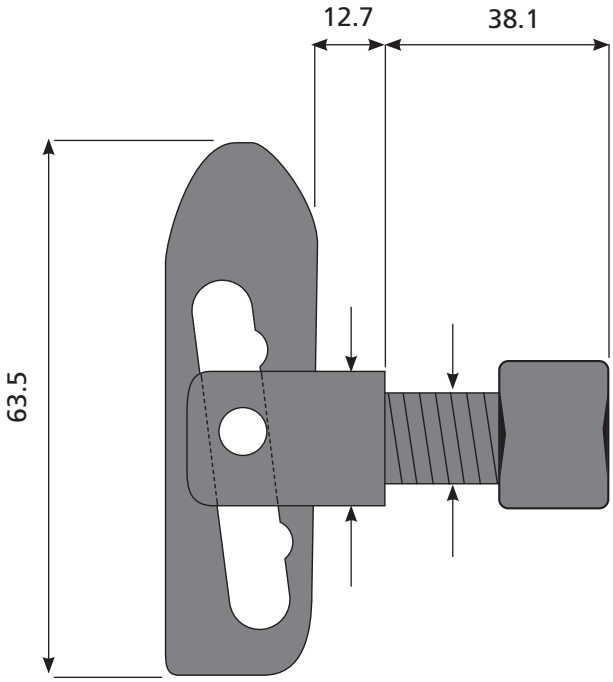

**DC140 (Holl.Plnk.Capping)**
Wt. 0.54 kg/m



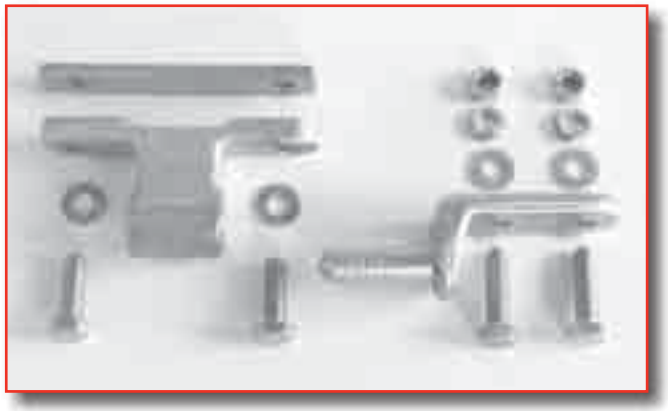


## RL694B Dropside Lock






## AL63 Fastening Lug



## DH300W Hinge Set

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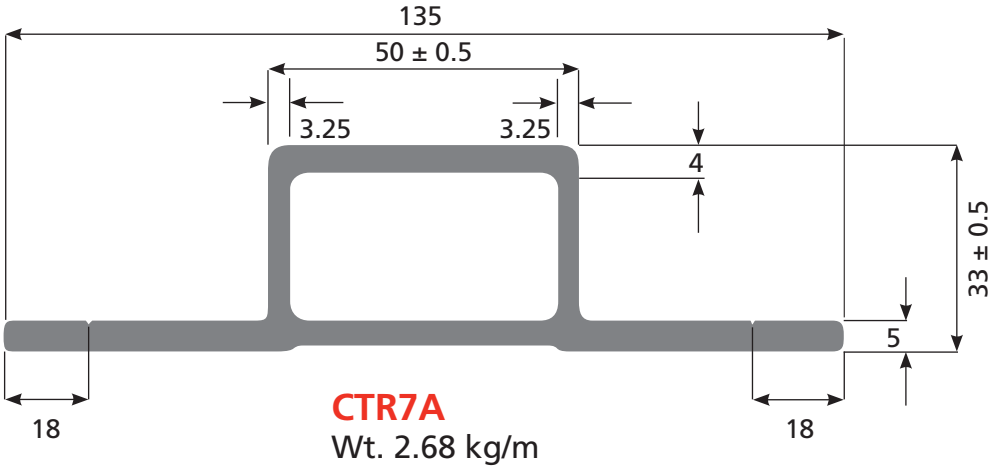
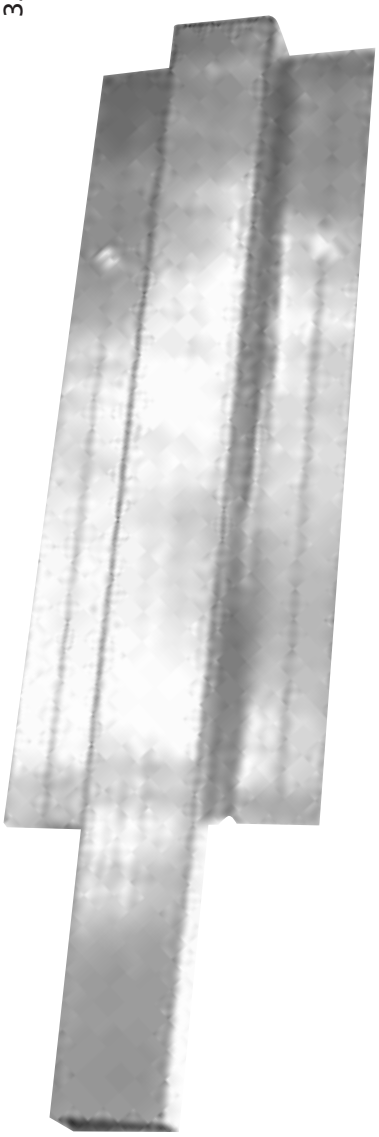
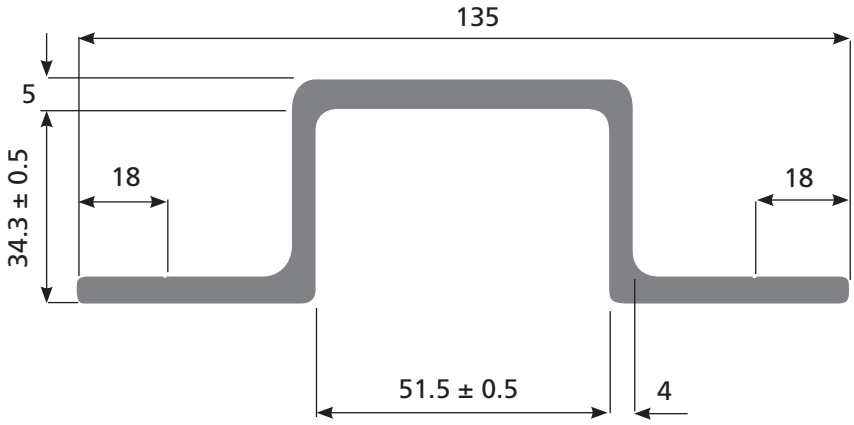



**CTR7A**
Wt. 2.68 kg/m

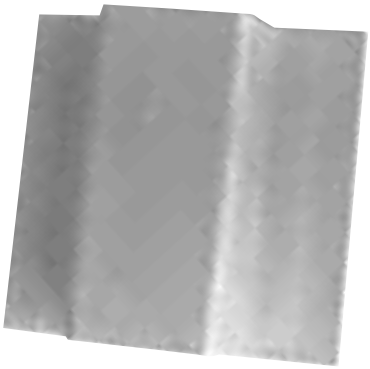


**Comes as a two part set.**
**Available in two lengths.**

**CTR7A-400**
**CTR7A-600**

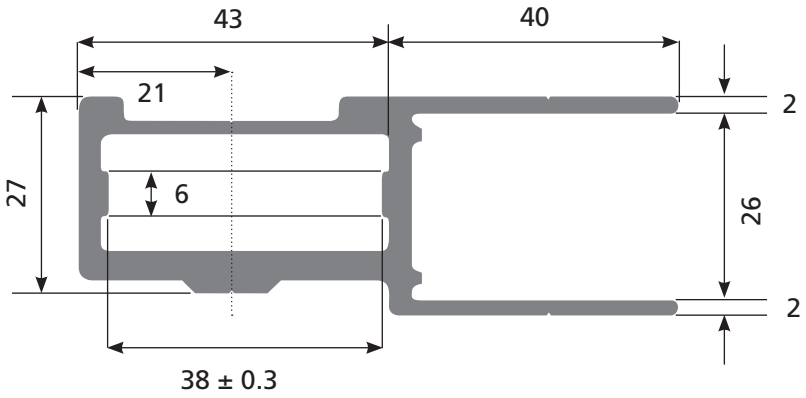



**CTR7A Socket**
Wt. 2.58 kg/m



## EC8A

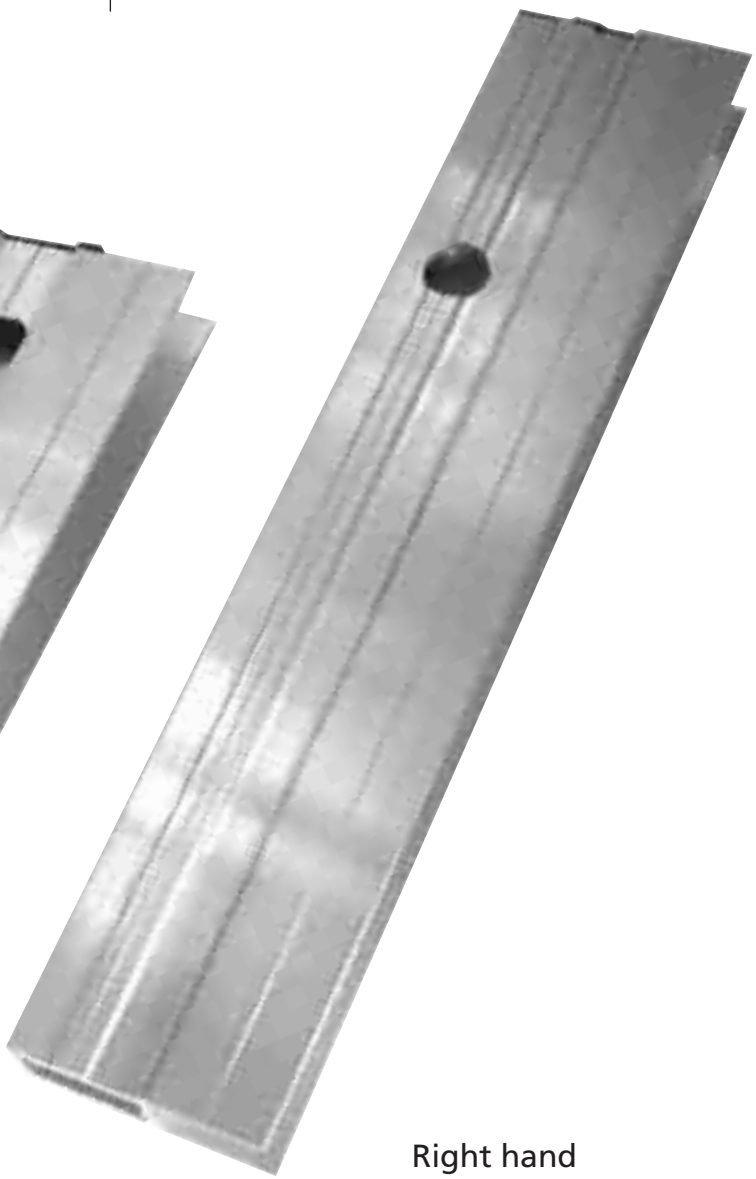
Wt. 1.68 kg/m



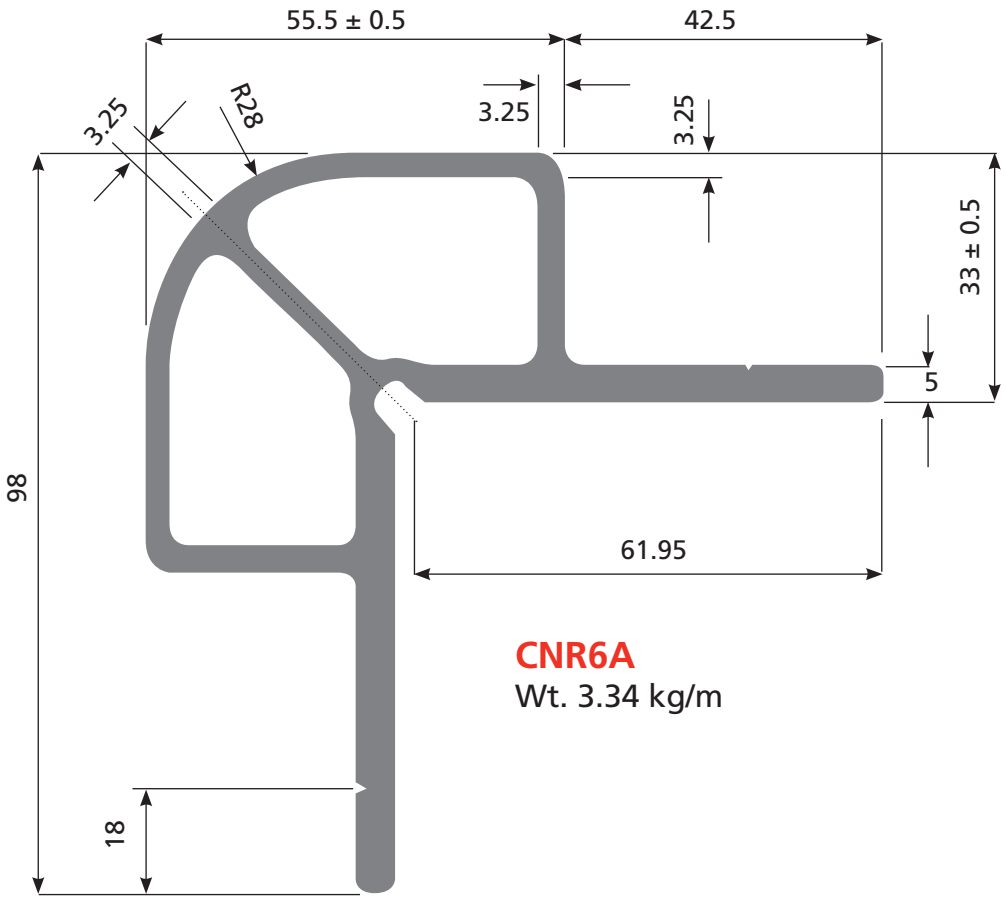

**Comes as a two part set.**
**Available in two lengths.**

**EC8A-400**
**EC8A-600**

Left hand



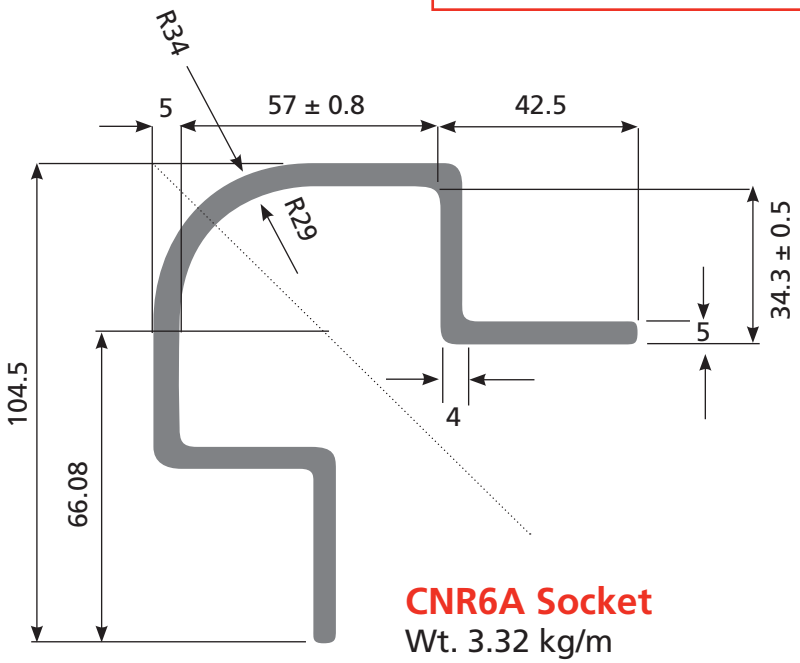
Right hand




**CNR6A**
Wt. 3.34 kg/m

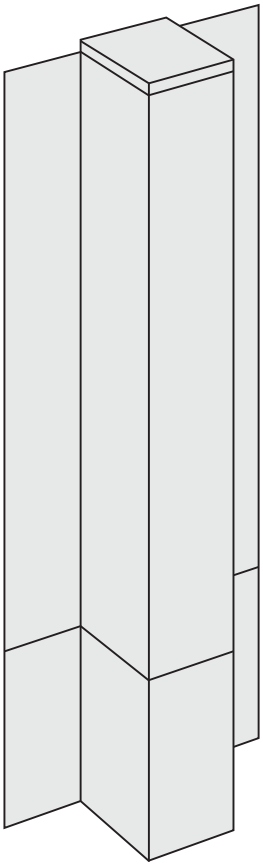
**Comes as a two part set.**
**Available in two lengths.**

**CNR6A-400**
**CNR6A-600**

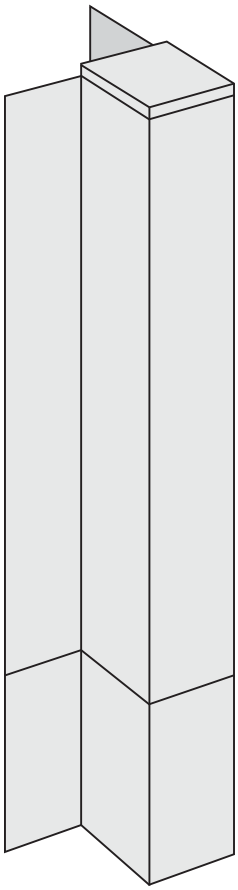



**CNR6A Socket**
Wt. 3.32 kg/m

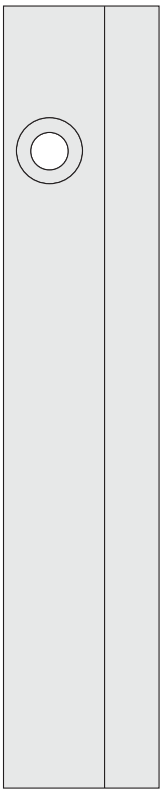
## CTR7 - Steel Centre Pillar
16”, 24” and 32” available



## CNR6 - Steel Corner Pillar
16”, 24” and 32” available



## EC8 - Steel End Cap
16”, 24” and 32” available



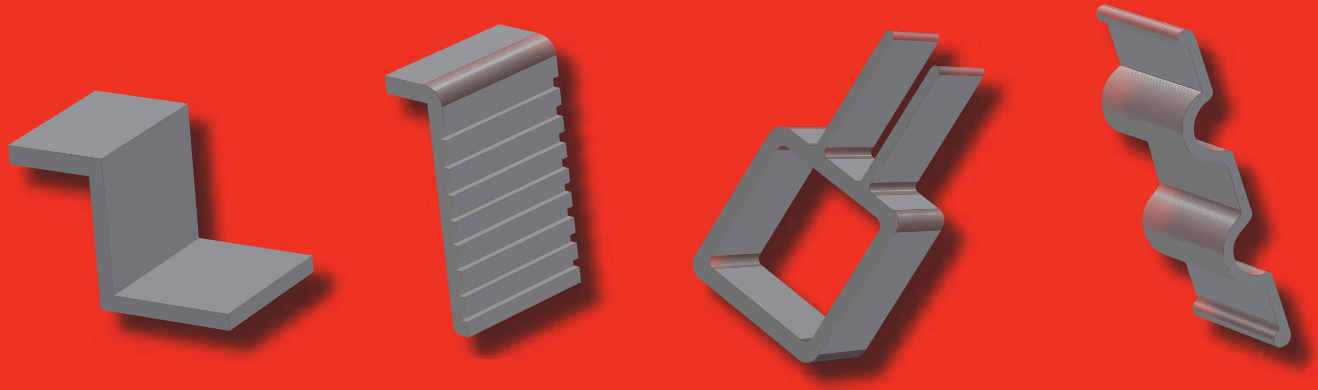
# I: Zeds & Mouldings

## *Zeds*


| | |
|---|---|
| GZ28 | I1 |
| GZ37 | I1 |


## *Mouldings*


| | |
|---|---|
| M109 | I1 |
| FH3 | I1 |
| M118 | I1 |
| FH70 | I1 |
| M102 | I2 |
| M103 | I2 |
| M104 | I2 |
| M116 | I2 |
| M306 | I2 |
| SHB48 | I2 |
| M107 | I3 |
| M106 | I3 |
| M101 | I3 |
| M150 | I3 |
| M105 | I3 |
| M200 | I3 |

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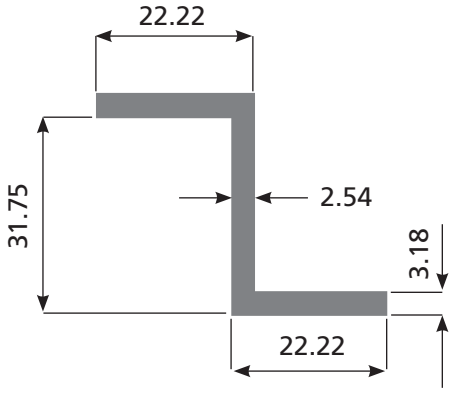
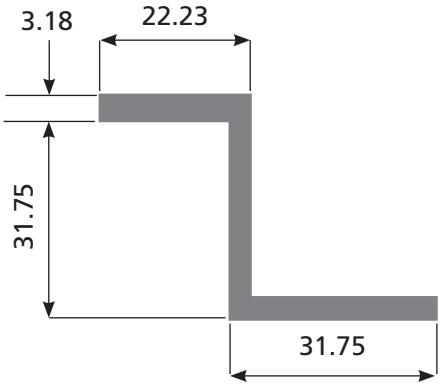
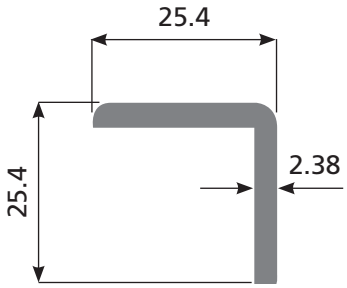


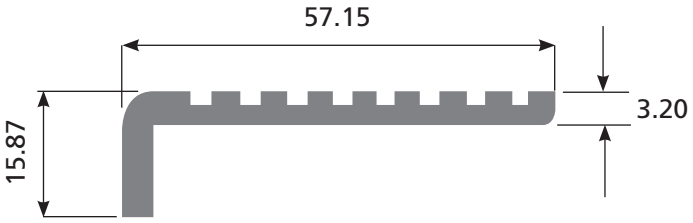

## GZ28
Wt. 0.55 kg/m



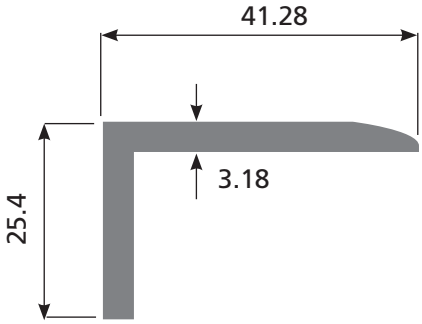

## GZ37
Wt. 0.66 kg/m



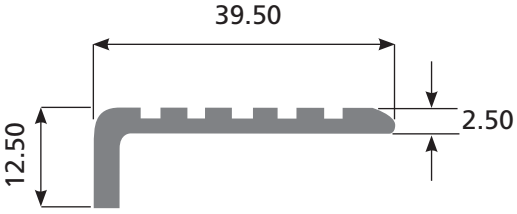

## M109
Wt. 0.30 kg/m



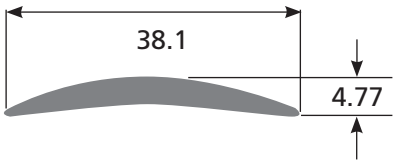

## FH3
Wt. 0.50 kg/m



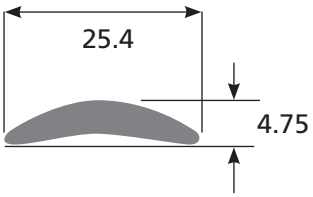

## M118
Wt. 0.52 kg/m



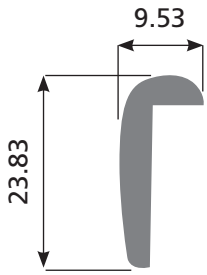

## FH70
Wt. 0.27 kg/m



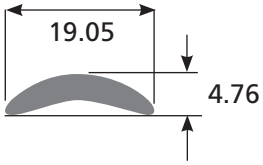

**M102**
Wt. 0.27 kg/m



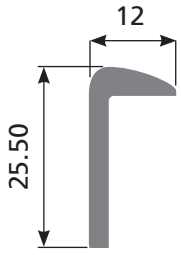

**M103**
Wt. 0.2 kg/m



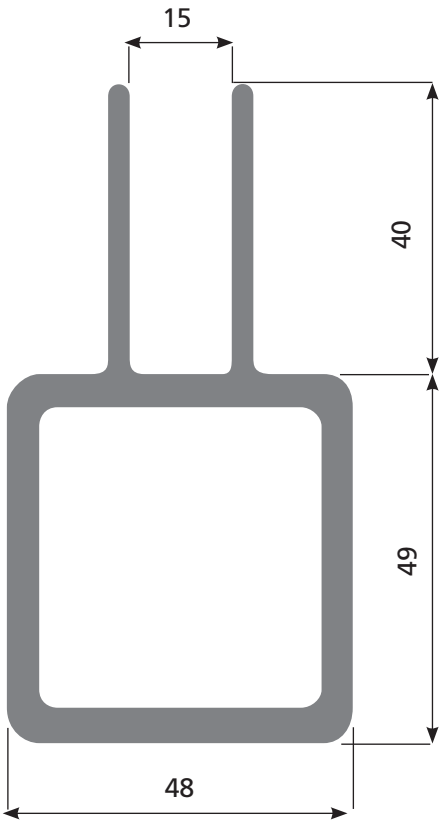

**M116**
Wt. 0.22 kg/m



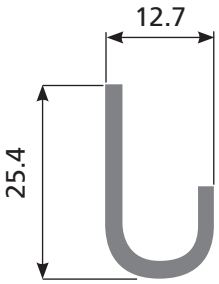

**M104**
Wt. 0.14 kg/m



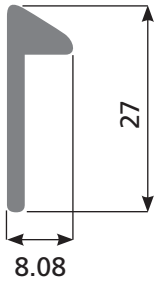

**M306**
Wt. 0.23 kg/m



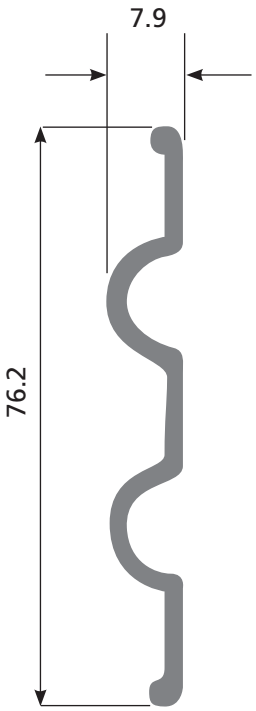

**SHB48**
Wt. 2.44 kg/m



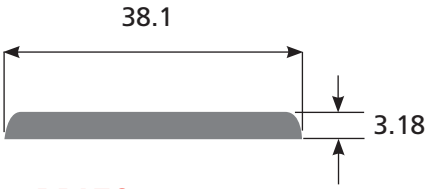

**M107 (1" ½" JMoulding)**
Wt. 0.19 kg/m



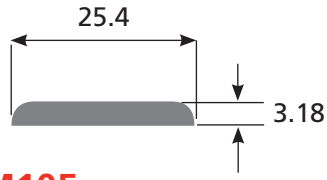

**M106**
Wt. 0.14 kg/m



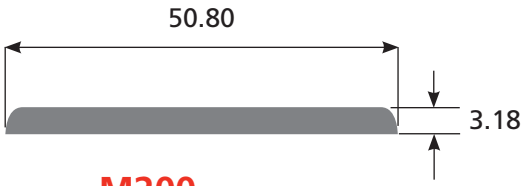

**M101**
Wt. 0.43 kg/m




**M150**
Wt. 0.33 kg/m




**M105**
Wt. 0.21 kg/m




**M200**
Wt. 0.44 kg/m

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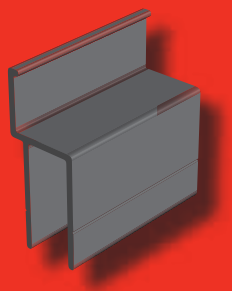
# J: Door Cappings

## *Door Cappings*

| | |
|---|---|
| DC1P11 | **J1** |
| DC2P11 | **J1** |
| DC1P14 | **J1** |
| DC2P14 | **J1** |
| DC1P17 | **J1** |
| DC2P17 | **J1** |
| DC1P22 | **J1** |
| DC2P22 | **J1** |



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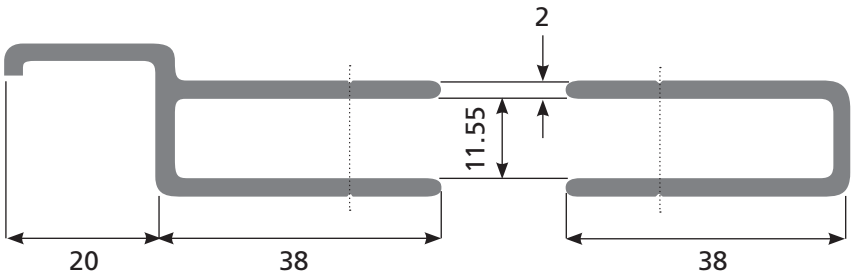
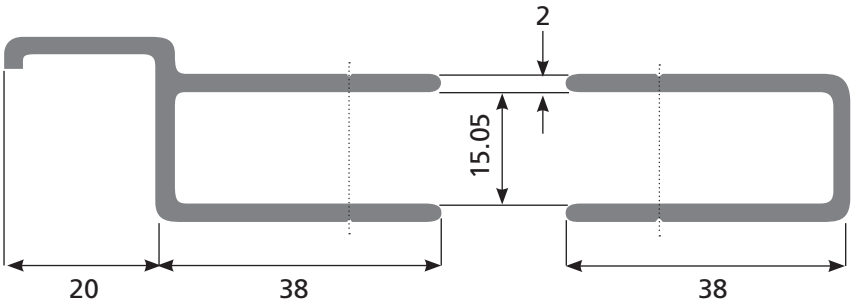
**DC1P11**
Wt. 0.62 kg/m



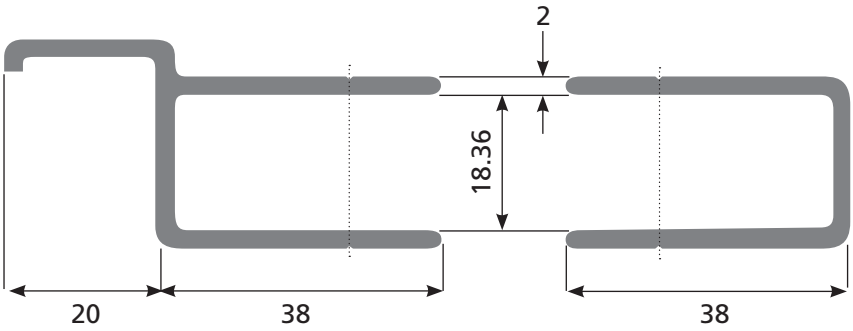

**DC2P11**
Wt. 0.47 kg/m

**DC1P14**
Wt. 0.65 kg/m



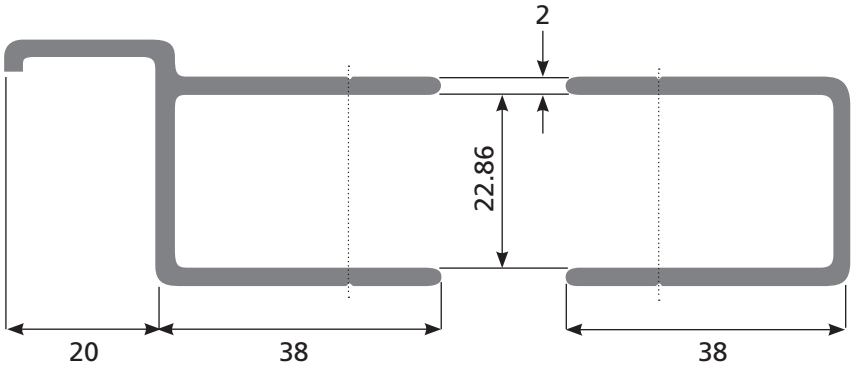

**DC2P14**
Wt. 0.49 kg/m

**DC1P17**
Wt. 0.68 kg/m




**DC2P17**
Wt. 0.51 kg/m

**DC1P22**
Wt. 0.66 kg/m




**DC2P22**
Wt. 0.53 kg/m

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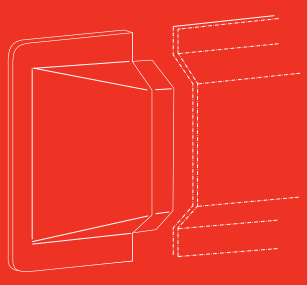
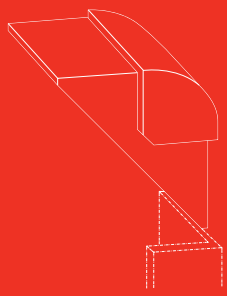
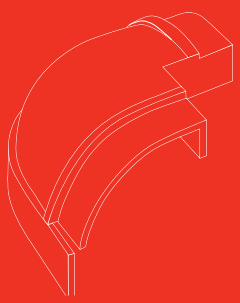
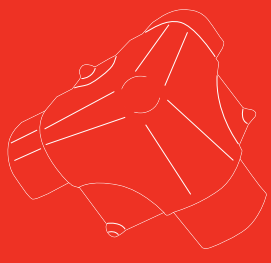
# K: Aluminium Castings

## *Aluminium Castings*

| | | | |
|---|---|---|---|
| CC14 | **K1** | CCP14R | **K4** |
| CC27 | **K1** | CCP14S | **K4** |
| CC26 | **K1** | CCP17R | **K4** |
| CC35 | **K2** | CCP17S | **K4** |
| CC38 | **K2** | CC50R | **K4** |
| CC28 | **K2** | CC50S | **K4** |
| CC31R | **K3** | CC75R | **K4** |
| CC31S | **K3** | CC75S | **K4** |
| CC127R | **K3** | | |
| CC127S | **K3** | | |
| CC9 | **K4** | | |
| CC15 | **K4** | | |
| CC80 | **K4** | | |
| CC36 | **K4** | | |

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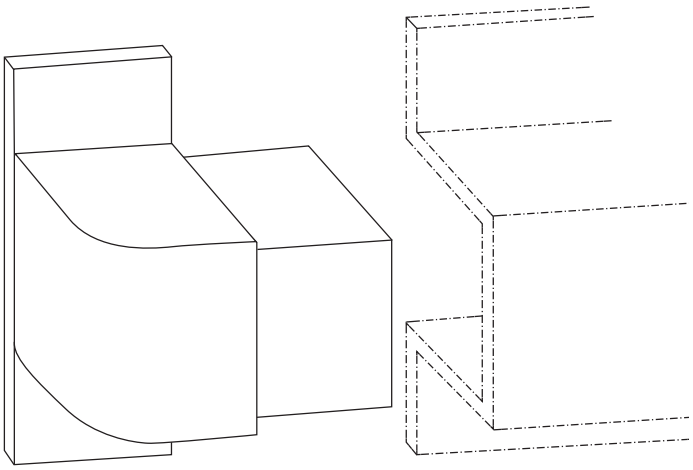
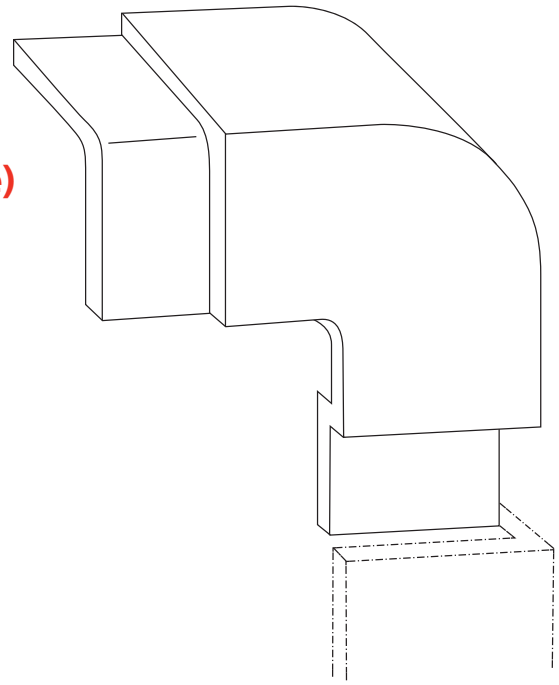
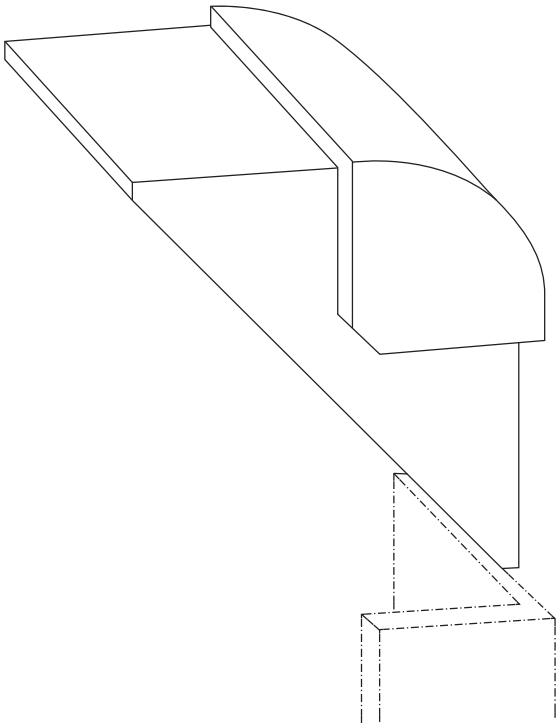


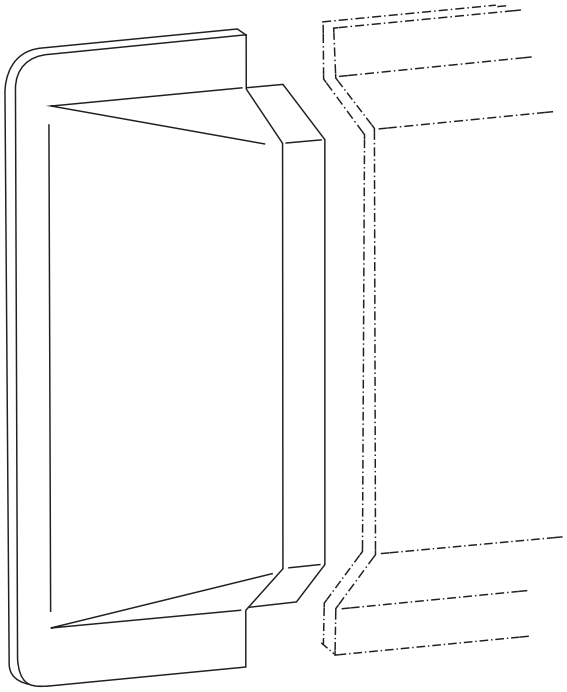
**CC14 (FOR TH2)**

**CC27 (FOR 3 x 3 x ¼" Angle)**

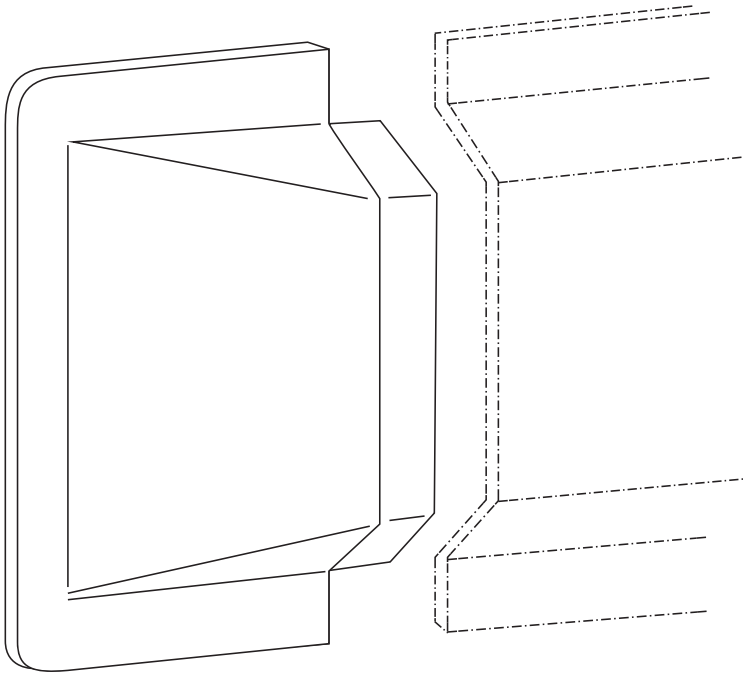




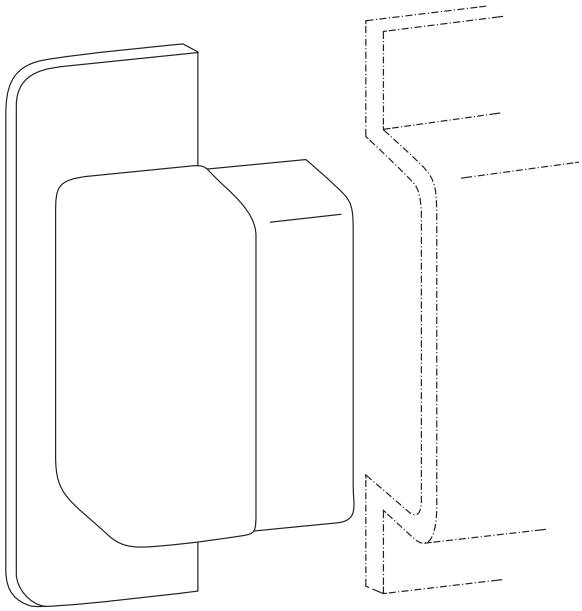
**CC26 (FOR 3 x 2 x 1 /4" Angle)**



## CC35 (FOR TH90)



## CC38 (FOR TH61)



## CC28 (FOR TH14)

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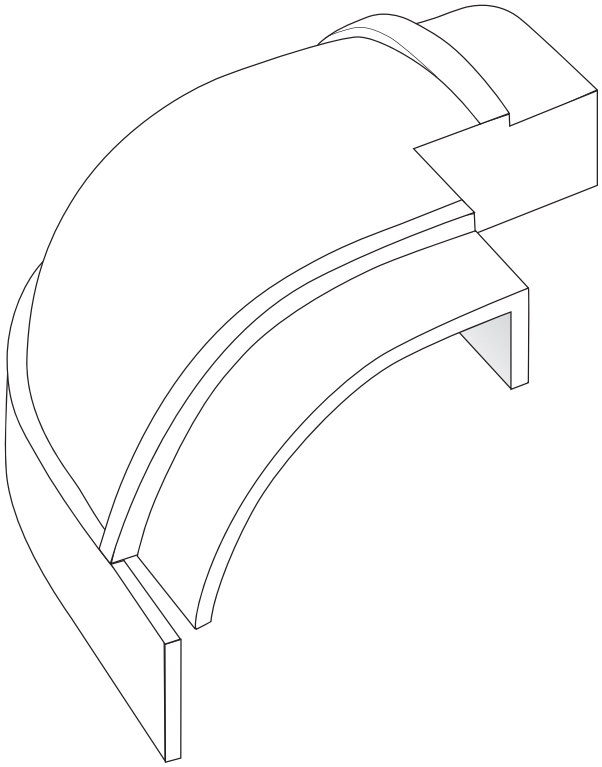
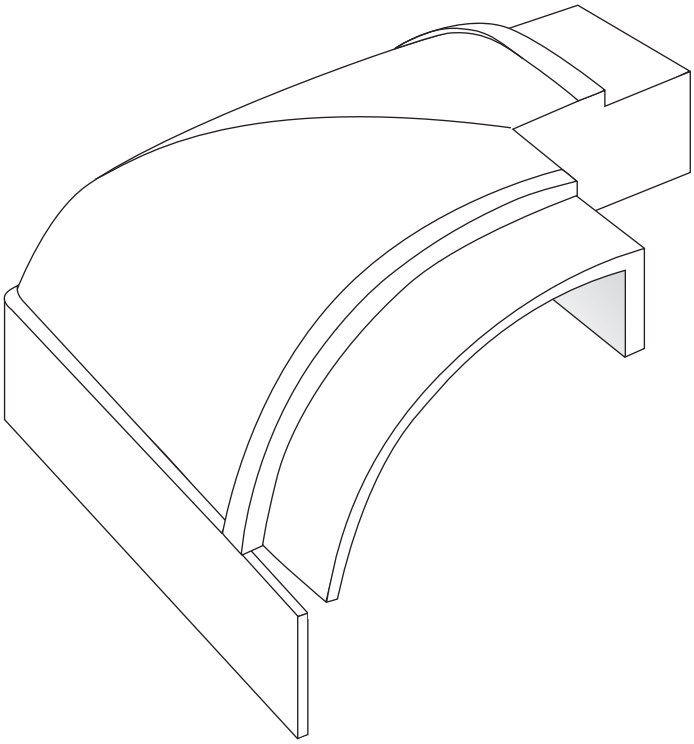
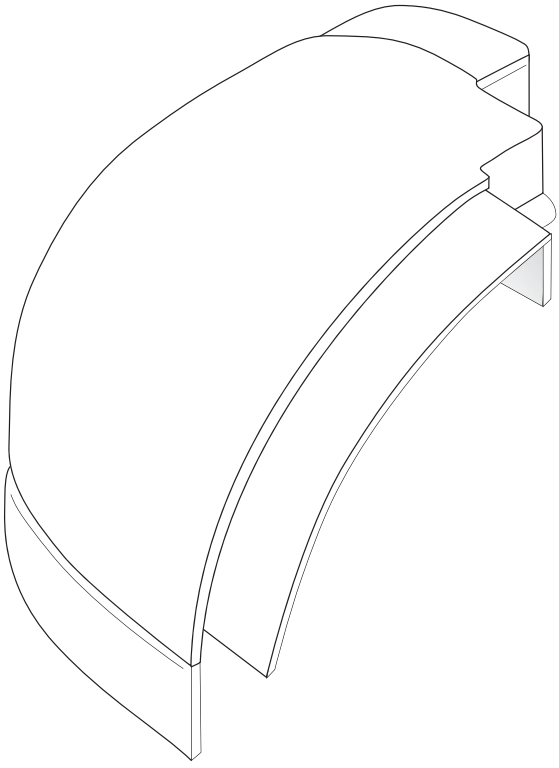
## CC31R



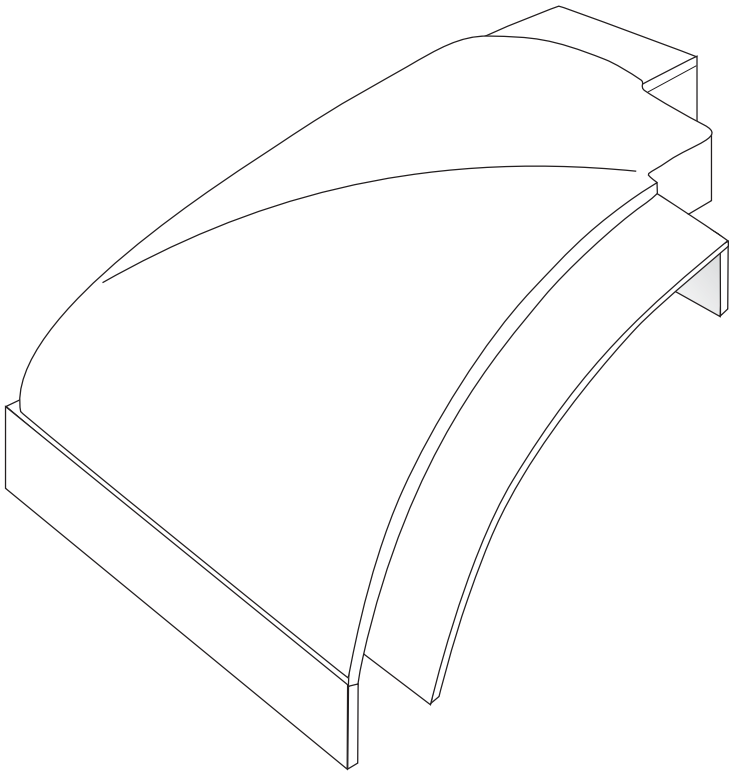
## CC31S



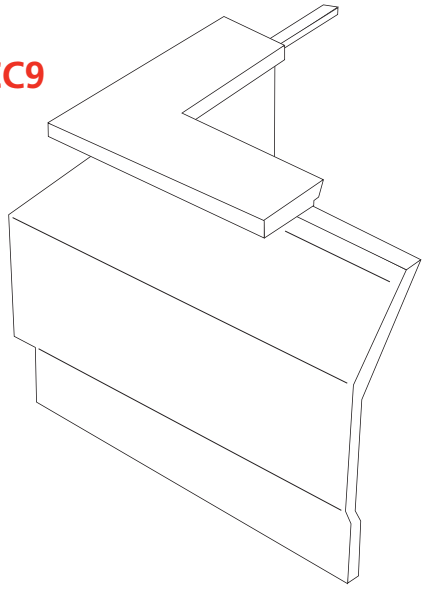
## CC127R



## CC127S



## CC9



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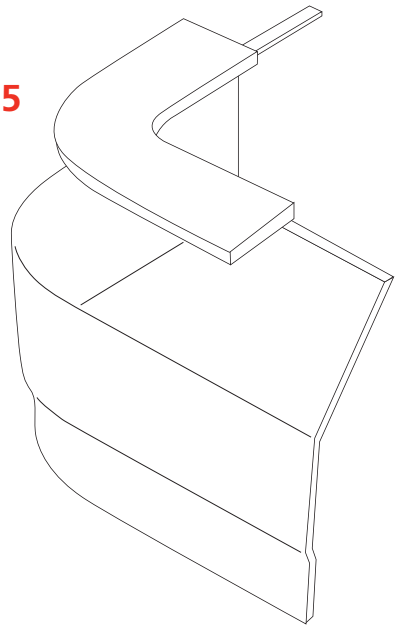
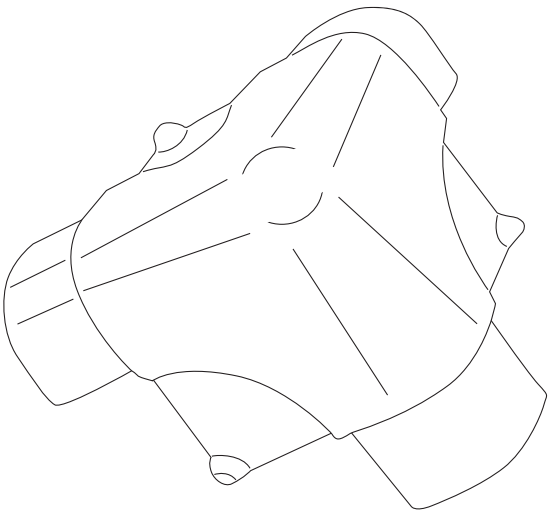
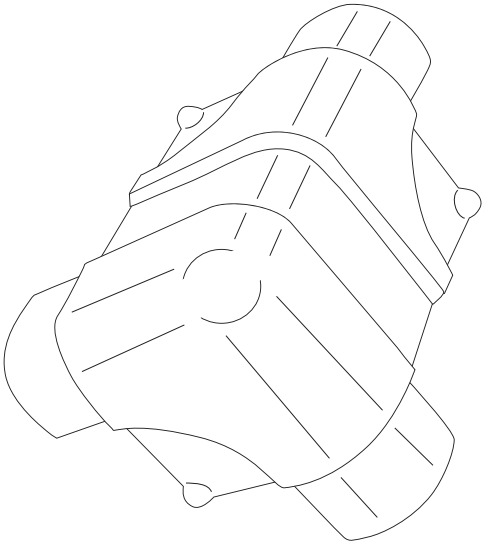


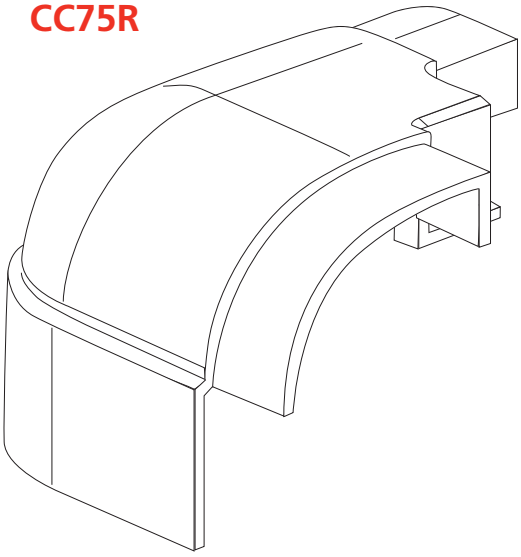
## CC80



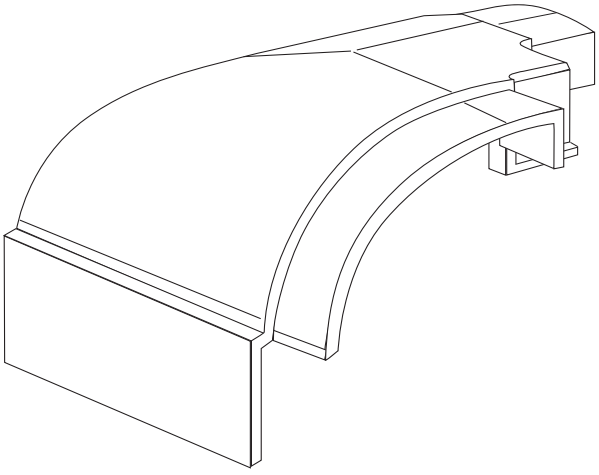
## CC36



## CCP14R
## CCP17R
## CC50R
## CC75R



## CCP14S
## CCP17S
## CC50S
## CC75S



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# L: Steel Sections

## *Steel Sections*


| | |
|---|---|
| Outer Panel | **L1** |
| Inner Panel | **L1** |
| Header | **L1** |
| Rear Frame Sections | **L1** |
| Rear Header Sections | **L1** |
| Floor Pan | **L1** |
| End Capping | **L1** |
| Curtain Track | **L2** |
| G-Section | **L2** |
| Galvanised Steel Back Frames | **L2** |
| Curtainsider Pillars | **L2** |

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## Outer Panel

## Inner Panel

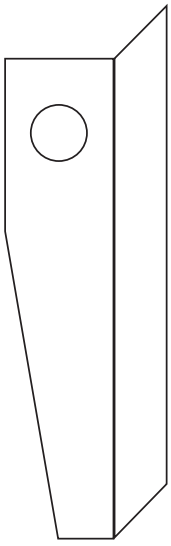


## Header

## Rear Frame Sections

## Rear Header Sections

## End Capping



## Floor Pan

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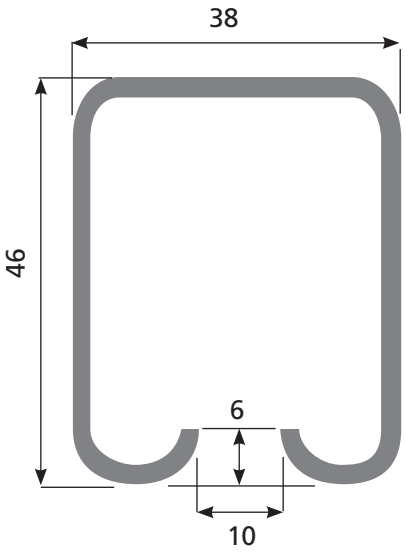
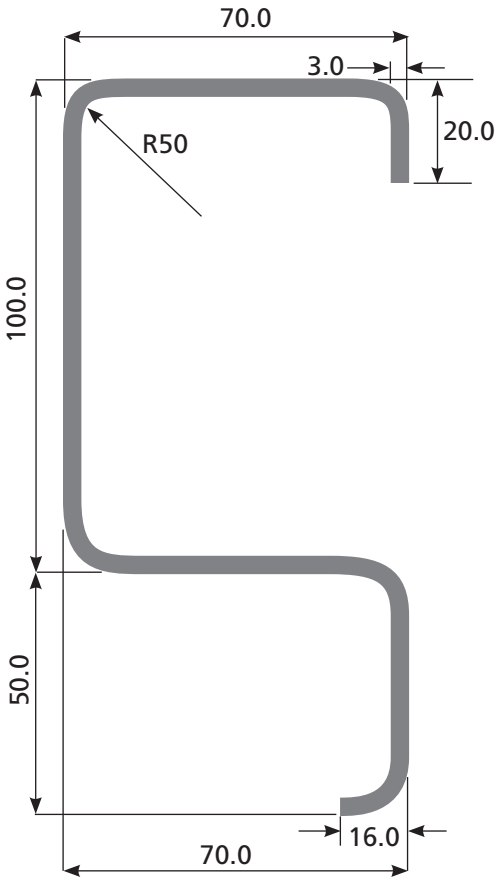



## Curtain Track

Material 2.0mm
Galvanised Mild Steel
Wt 0.84 kg/m

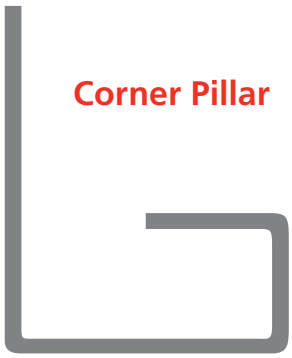



## G-Section (Steel)

Wt. 6.91 kg/m

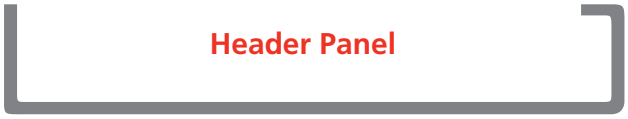
## Curtainsider Pillars

## Galvanised Steel Back Frames



Corner Pillar

Back Bearer



Header Panel

Customer to supply dimensions

# M: GRP Systems

## *GRP Diagrams*


| | |
|---|---|
| GRP 2" Box Captive System Diagram | **M1** |
| GRP 3" Box Captive System Diagram | **M2** |
| GRP - All Parts Diagram | **M3** |
| Load Lok Track 1806 | **M4** |


## *GRP Systems*


| | |
|---|---|
| 2" Standard GRP Box System | **M5** |
| 3" Standard GRP Box System | **M6** |
| Alternative 3" Standard GRP Box System | **M7** |
| 2" Captive GRP System | **M8** |
| 3" Captive GRP System | **M9** |
| 5" GRP System | **M10** |


## *GRP Panelling*


| | |
|---|---|
| CPR | **M11** |
| CPRV | **M11** |
| Doors | **M12** |
| NAPS Range | **M12** |
| GRP Liner Panels | **M12** |
| ISS | **M13** |
| ISP | **M13** |
| Custom-made | **M13** |
| NIDALIT Range | **M14** |
| PER Range | **M14** |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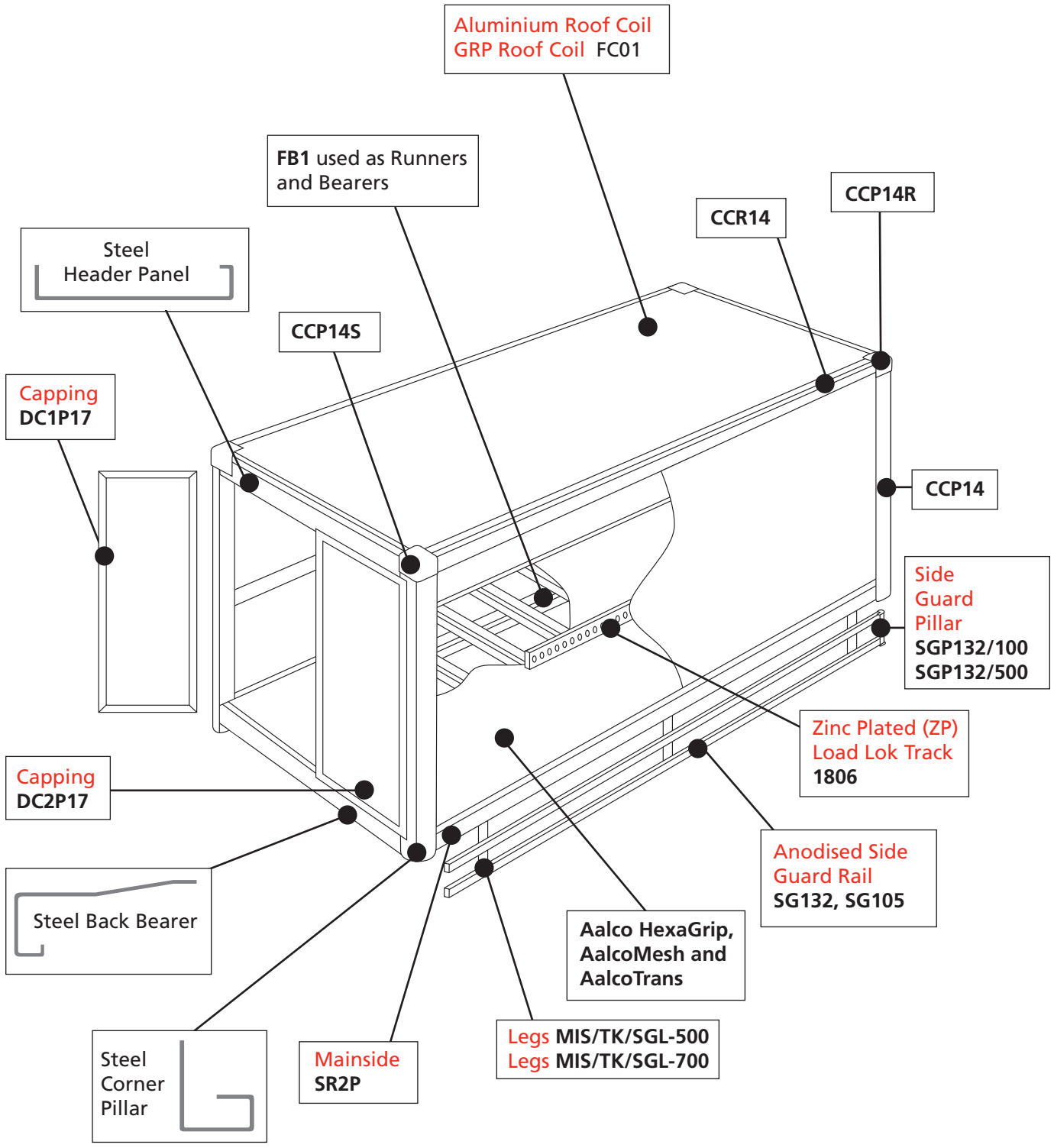
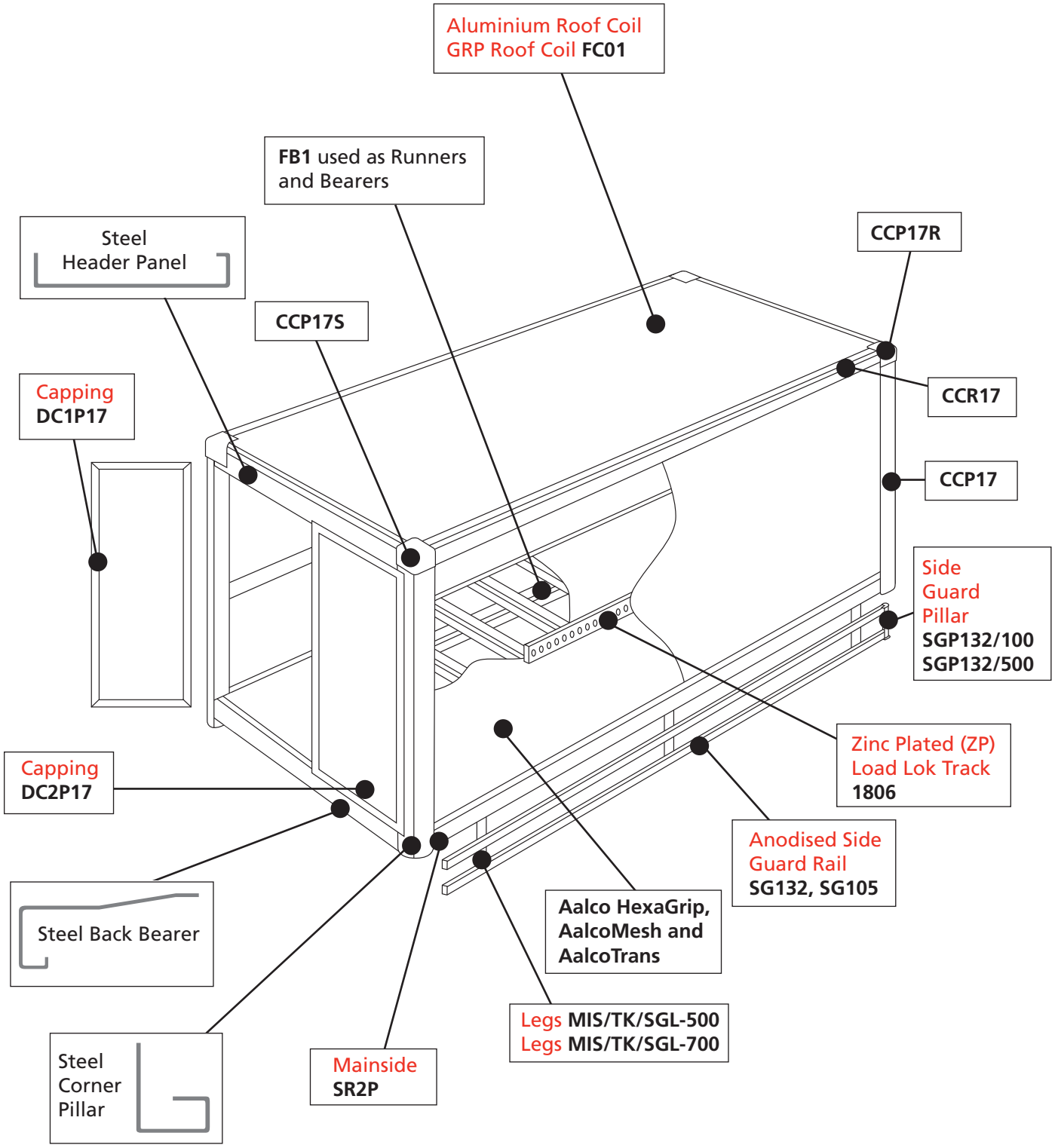
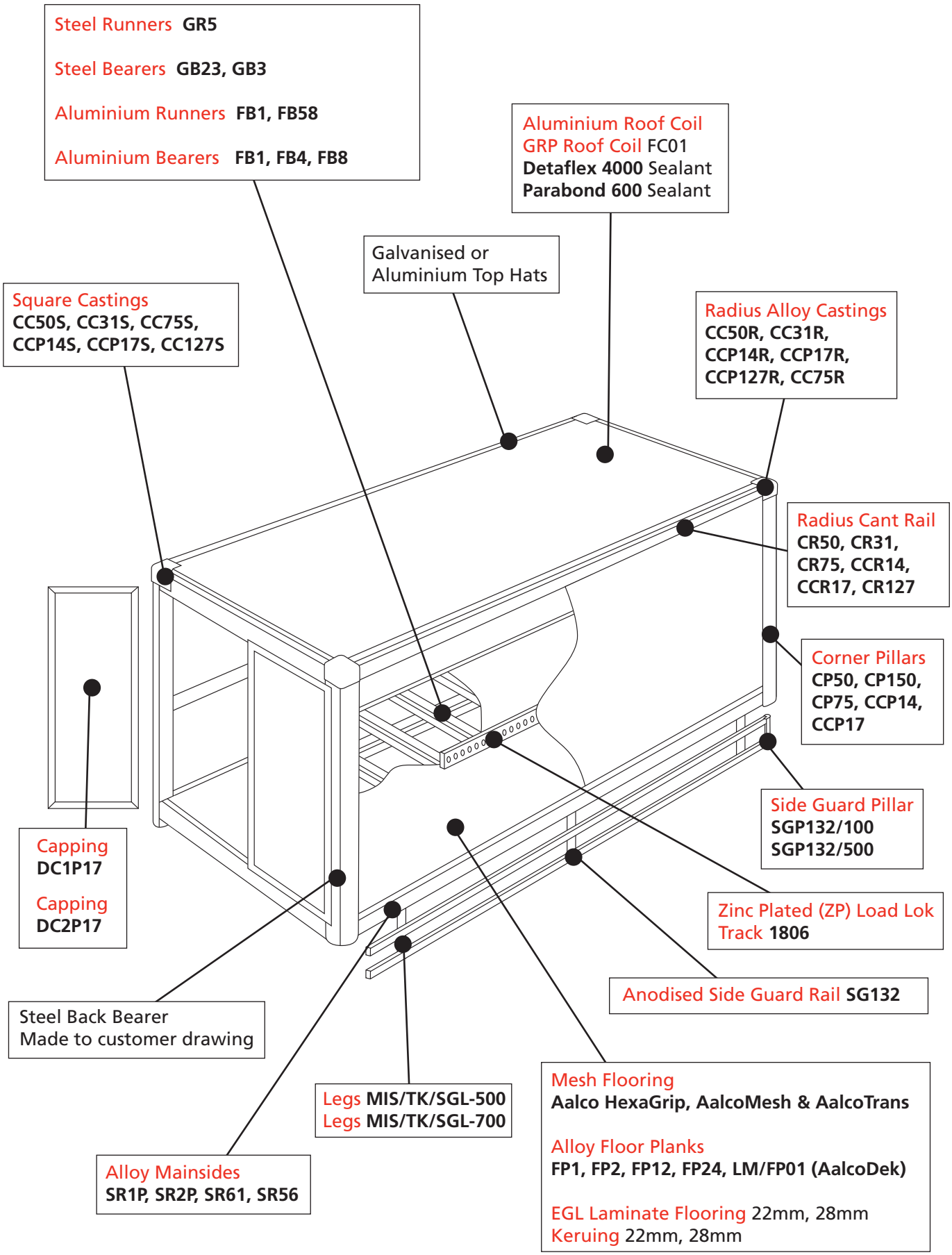

Aluminium Roof Coil
GRP Roof Coil FC01
FB1 used as Runners and Bearers
CCP14R
CCR14
Steel Header Panel
CCP14S
Capping DC1P17
CCP14
Side Guard Pillar SGP132/100 SGP132/500
Zinc Plated (ZP) Load Lok Track 1806
Capping DC2P17
Anodised Side Guard Rail SG132, SG105
Steel Back Bearer
Aalco HexaGrip, AalcoMesh and AalcoTrans
Legs MIS/TK/SGL-500
Legs MIS/TK/SGL-700
Steel Corner Pillar
Mainside SR2P


Aluminium Roof Coil
GRP Roof Coil **FC01**
**FB1** used as Runners and Bearers
Steel Header Panel
**CCP17R**
**CCP17S**
Capping **DC1P17**
**CCR17**
**CCP17**
Side Guard Pillar **SGP132/100** **SGP132/500**
Zinc Plated (ZP) Load Lok Track **1806**
Capping **DC2P17**
Anodised Side Guard Rail **SG132, SG105**
Steel Back Bearer
**Aalco HexaGrip, AalcoMesh and AalcoTrans**
Legs **MIS/TK/SGL-500**
Legs **MIS/TK/SGL-700**
Steel Corner Pillar
Mainside **SR2P**

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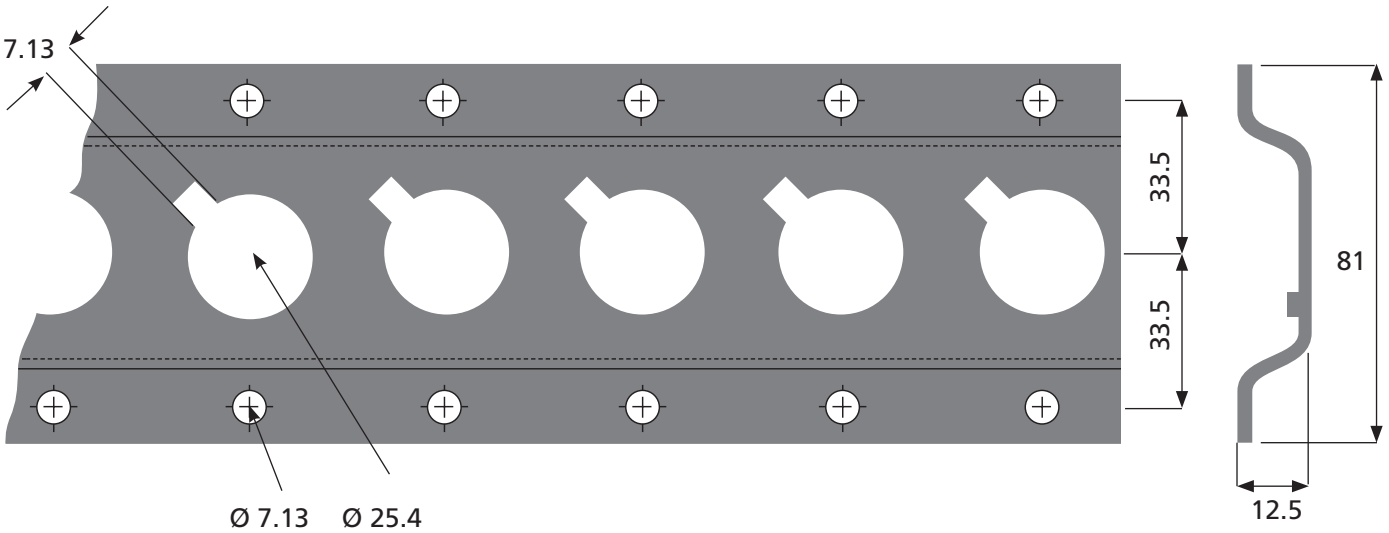
## Zinc Plated (ZP)
## Load Lok Track 1806

Wt. 4.3 kg/10ft length
(2.5mm thickness)

Also available in Stainless Steel and Bright Zinc Plated material, in 2.0, 2.3, 2.5 and 3mm gauge



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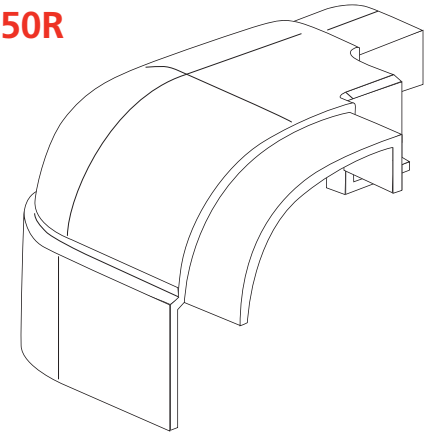
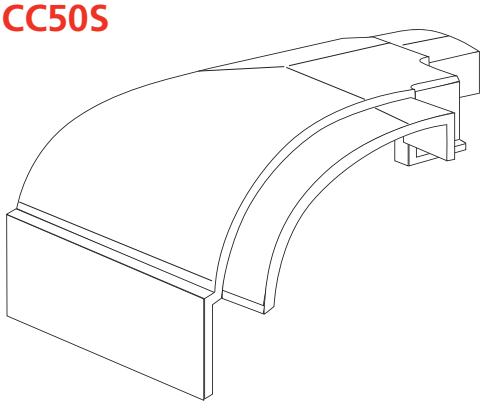
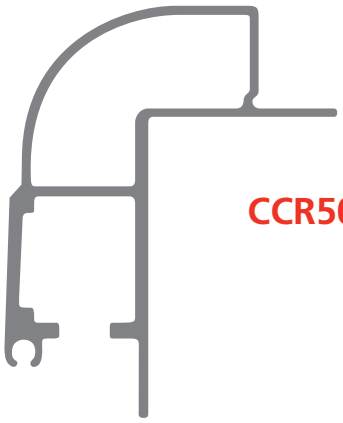
**CC50R**



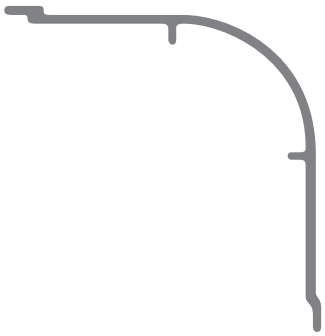
**CC50S**



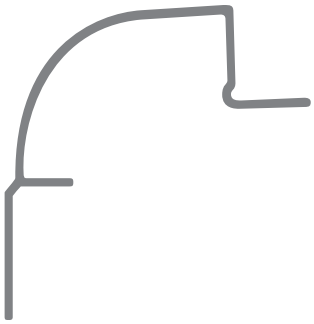


**CCR50**

**CP50**



**CR50**



**SR61**

**SR1P**

**SR2P**

**SR56**

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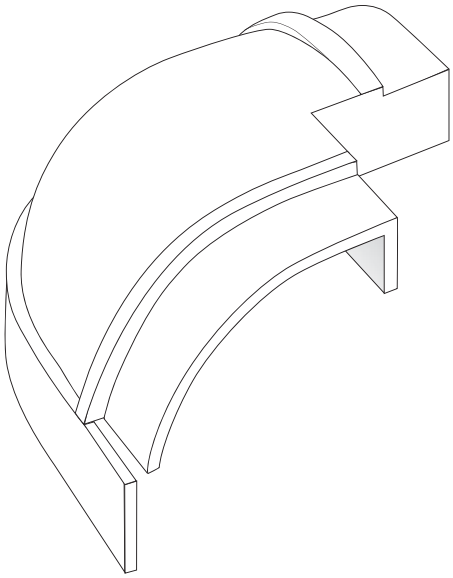
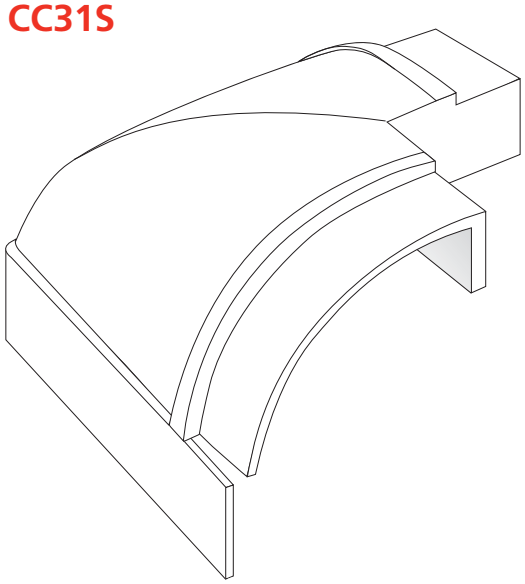
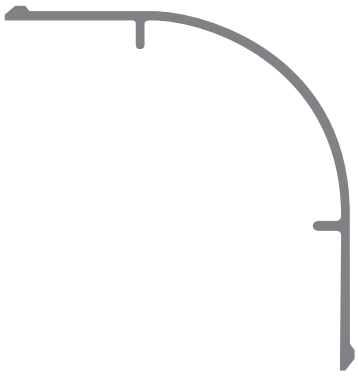
## CC31R



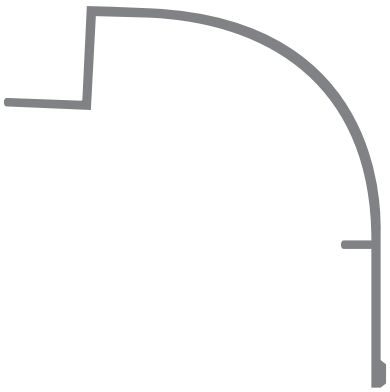
## CC31S



## CP150



## CR31



## SR61

## SR1P

## SR2P

## SR56

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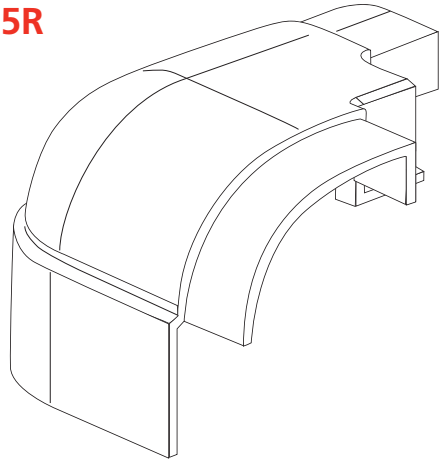
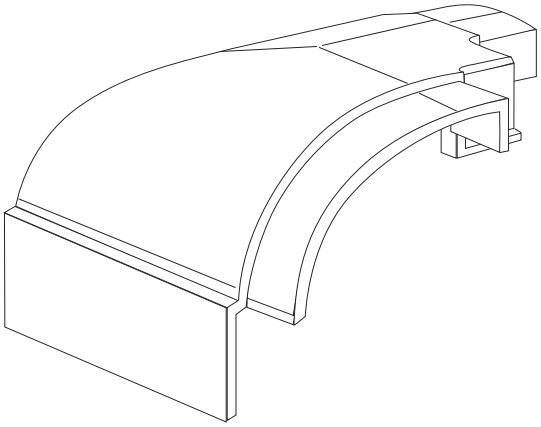
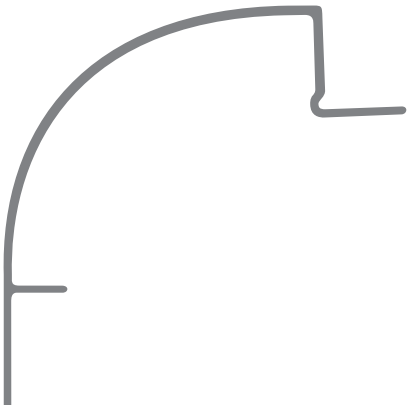
## CC75R



## CC75S



## CR75



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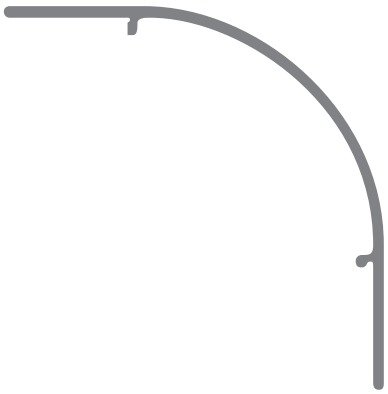

## SR61

## SR1P

## SR2P

## SR56

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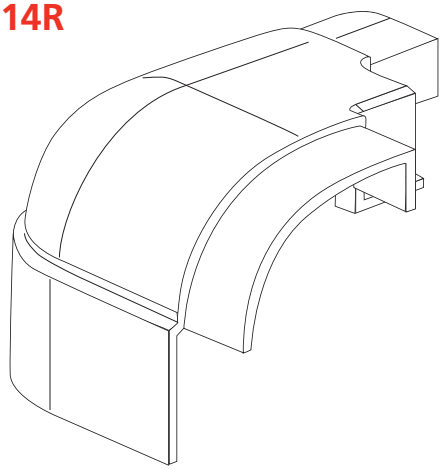
## CCP14R



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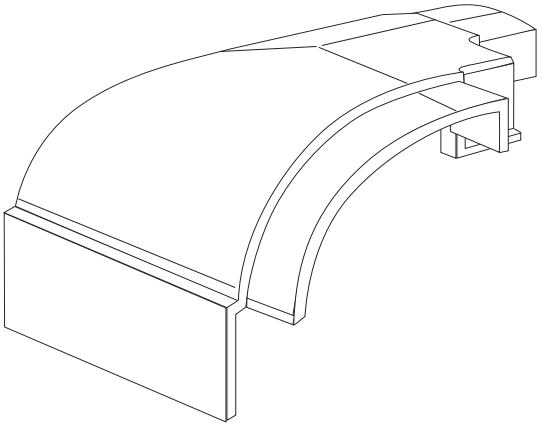
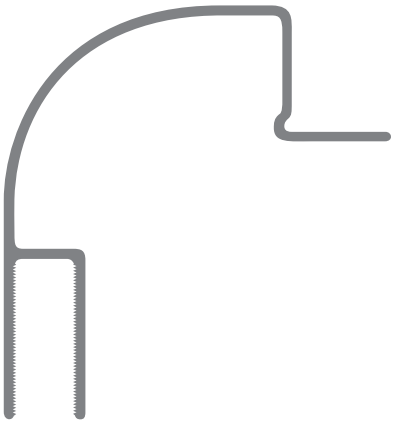


## CCR14



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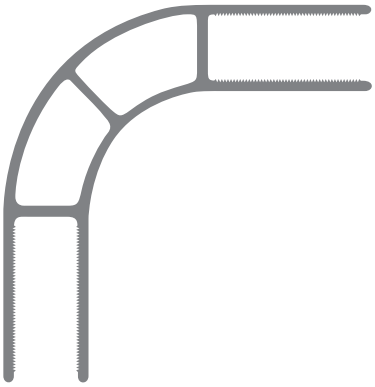

## SR61

## SR1P

## SR2P

## SR56

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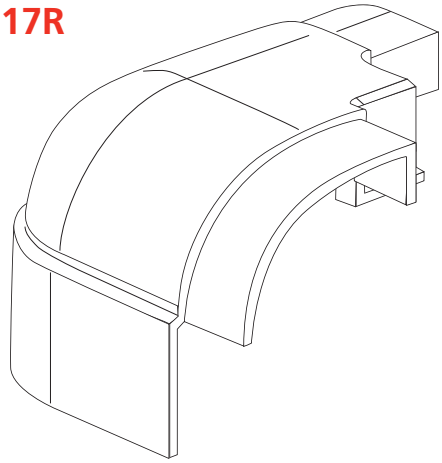
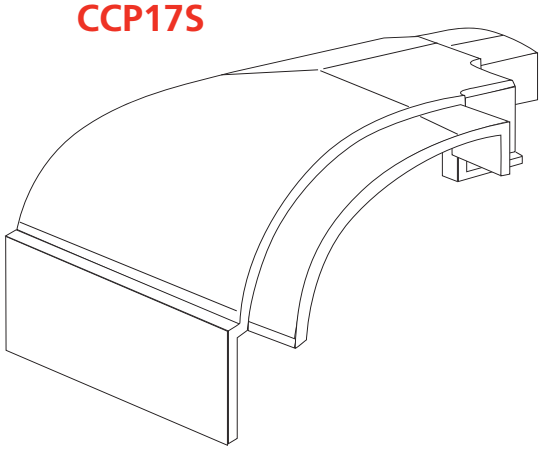
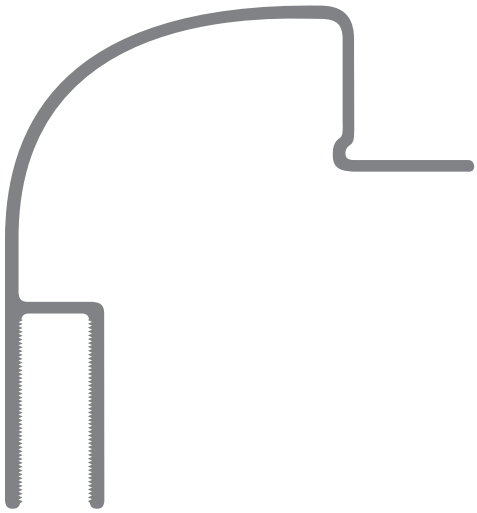
## CCP17R



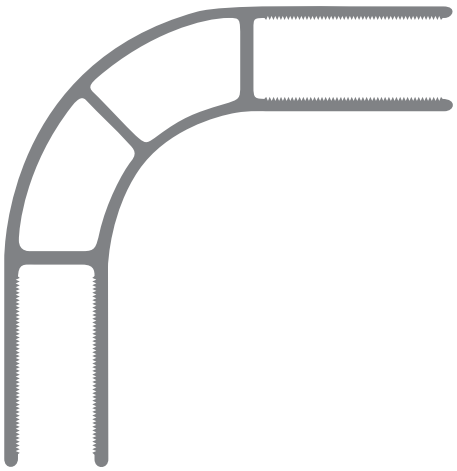
## CCP17S



## CCR17



## CCP17



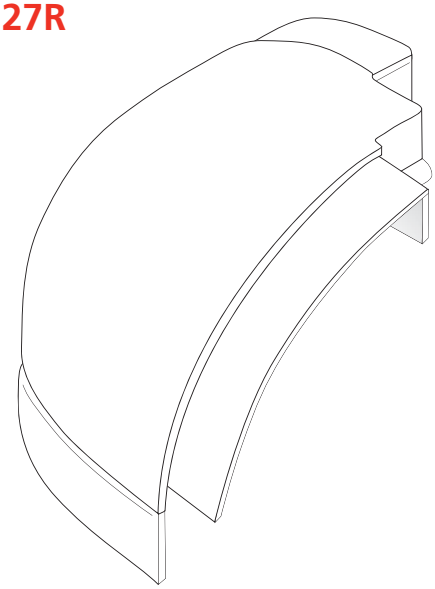
## SR61

## SR1P

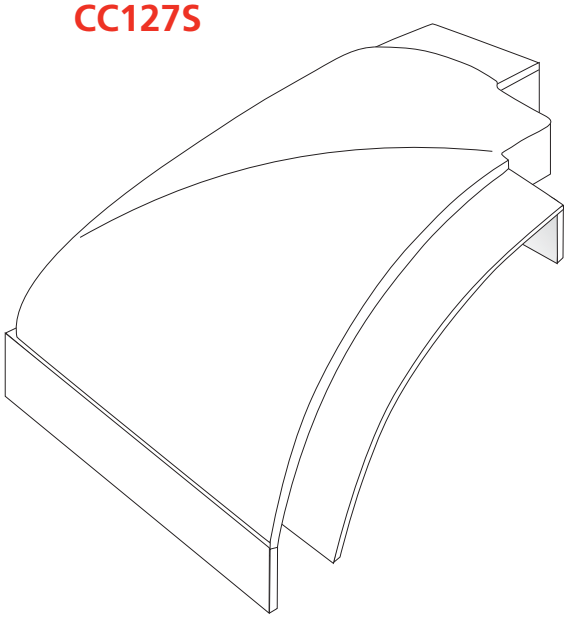
## SR2P

## SR56

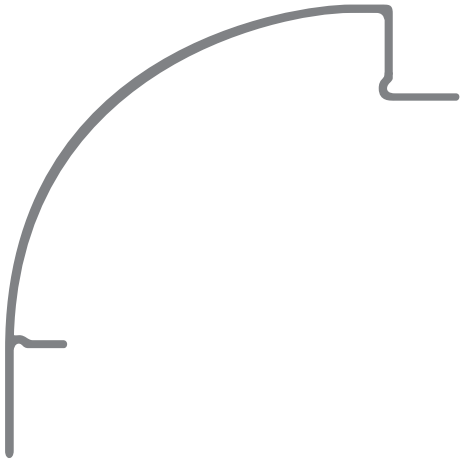
## CC127R



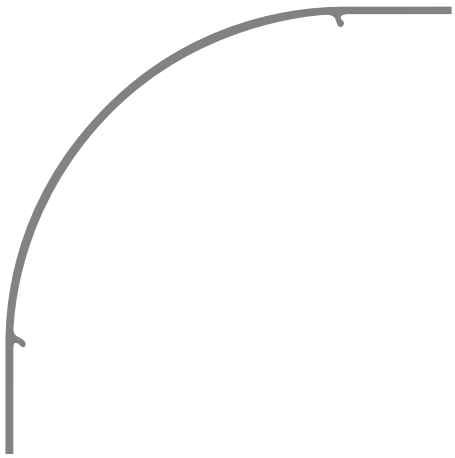
## CC127S



## CR127



## CP127



## SR61

## SR1P

## SR2P

## SR56

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## CPR

Plywood panels coated on both sides with glass fibre reinforced polyester resin.

### Thicknesses and weights

| Thickness mm | 6 | 11 | 14 | 17 | 20 | 24 | 27 | 30 |
|---|---|---|---|---|---|---|---|---|
| Weight kg/m² CPR | 5.5 | 9.0 | 10.2 | 12.0 | 13.5 | 16.2 | 18.5 | 20.5 |
| Weight kg/m² CPRFR | - | - | - | 12.1 | 13.6 | 16.3 | - | - |
| Weight kg/m² CPRS | - | - | 11.2 | 12.7 | 14.3 | 16.5 | - | - |
| Weight kg/m² CPRSR | - | - | 11.5 | 13.3 | 14.8 | 17.5 | - | - |

### Aalco stock of PANOLIT CPR Panels

| Thickness (mm) | Length (mm) | Width (mm) | Weight kg |
|---|---|---|---|
| 11 | 2440 | 2438 | 54 |
| 11 | 6096 | 2440 | 134 |
| 14 | 2438 | 2438 | 65 |
| 14 | 3048 | 2420 | 82 |
| 14 | 3657 | 2420 | 98 |
| 14 | 4343 | 2420 | 116 |
| 14 | 4877 | 2438 | 131 |
| 14 | 6096 | 2438 | 163 |
| 14 | 7315 | 2438 | 196 |
| 17 | 2438 | 2438 | 77 |
| 17 | 2743 | 2438 | 87 |
| 17 | 3048 | 2438 | 97 |
| 17 | 5486 | 2438 | 174 |
| 17 | 6096 | 2438 | 193 |
| 17 | 6705 | 2438 | 213 |
| 17 | 7315 | 2438 | 232 |
| 17 | 7925 | 2438 | 251 |
| 17 | 8534 | 2438 | 270 |
| 17 | 9144 | 2438 | 290 |

**Applications**
Van bodywork, dryfrieght containers.

**Types / Glass reinforcement:**
**CPR:** 670 g/m²
**CPRS:** 930 g/m²
**CPRFR:** 750 g/m²
**CPRSR:** 1700 g/m²

**Standard height:** 2440mm
**Maximum height:** 3150mm
**Standard length:** up to 13550mm
**Special sizes:** On request

CPH version of high standard panel: on request

### All GRP Panels

All panels fulfil the specifications of NF Standard NFT 57-950-1:2012

**Tolerances:**
Length: 0.1% (minimum 5m)
Width: 3mm
Thickness: 1mm
Diagonal difference: 6mm

## CPRV

This CPR panel with trapezoid shaped stiffeners is ideal for easy location of lashing rails.

### Thicknesses and weights

| Thickness mm | 30 | 32 | 35 | 38 | 41 |
|---|---|---|---|---|---|
| Weight kg/m² CPRV6 | 7.8 | 9.0 | 10.8 | 12.6 | 14.4 |
| Weight kg/m² CPRV4 | 11.0 | 12.2 | 14.0 | 15.8 | 17.6 |

| Dimensions | CRPV6 | CRPV4 |
|---|---|---|
| Alu profiles every | 610mm | 406mm |
| Maximum length | 13550mm | 13550mm |
| Maximum height | 2700mm | 3150mm |
| Kickstrip maximum height | 300mm | 350mm |

**Applications**
Van bodywork with lighter bodyweight and improved payloads, hire vehicles, furniture carriers.

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## Doors

The doors can be supplied without tubes or with one or two aluminium tubes (Ø16.4 x 18mm) positioned according to customers' specifications.

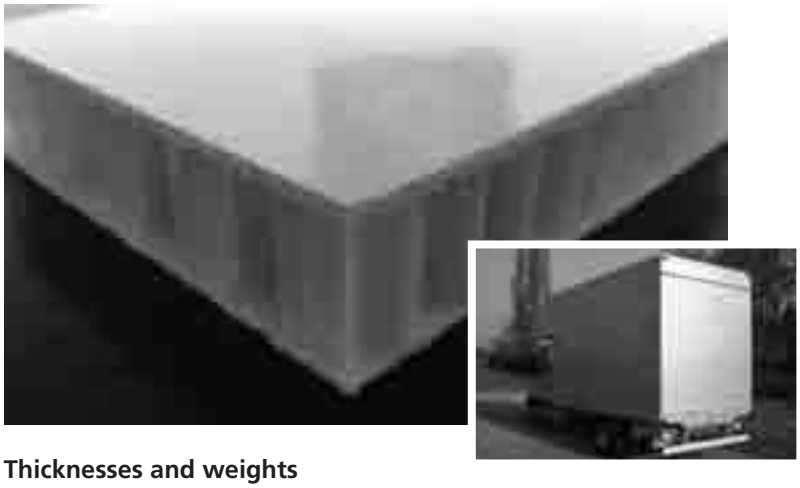
**Applications**
Van bodywork, dryfreight containers.

**Thicknesses:** 20 / 24 / 27 30mm

**Standard width:** 1220 mm
**Special sizes:** on request
**Height:** 2440 / 2600 / 2900 / 3150mm
**Special sizes:** On request

## NAPS Range

Lightweight polypropylene honeycomb core coated on both sides with glassfibre reinforced polyester resin.



**Advantages:**
Strong lightweight panel. Excellent resistance to humidity in external uses.

**Types / Glass reinforcement:**
**NA45L:** 930g/m$^2$
**NAPS:** 930 g/m$^2$
**NAP6:** 1230g/m$^2$
**NAP7:** 1500 g/m$^2$

**Standard height:** 2500mm
**Standard Length:** Approximately 13550 mm
**Maximum height:** 3150mm
(NA45L: Maximum height 2440mm)
**Special sizes:** On request

**Thicknesses and weights**

| Thickness mm | 14 | 17 | 20 | 25 | 30 |
|---|---|---|---|---|---|
| Weight kg/m$^2$ NA45L (lightened issue) | 4.2 | 4.4 | 4.5 | 4.8 | 5.1 |
| Weight kg/m$^2$ NAPS | 5.8 | 6.0 | 6.2 | 6.5 | 6.8 |
| Weight kg/m$^2$ NAP6 | 7.7 | 7.9 | 8.1 | 8.4 | 8.7 |
| Weight kg/m$^2$ NAP7 | 8.3 | 8.5 | 8.7 | 9.0 | 9.3 |
| Coefficient of insulation w/m$^2$/K (NAPS) | 5.03 | 4.37 | 3.66 | 2.87 | 2.37 |

**Custom-made:**
We can provide specific panels according to drawings and also coloured panels. We can also protectively film the panels, make special cuts according to drawing, supply the panels with peel ply, anti-slip flooring.
See NIDALIT range on page M14.

**Applications:** This lightweight panel is particularly adapted for lightweight vehicle boxes.

### Aalco stock of NAPS Panels

| Thickness (mm) | Length (mm) | Width (mm) | Weight kg |
|---|---|---|---|
| 14 | 2438 | 2440 | 25 |
| 14 | 6096 | 2440 | 62.5 |
| 17 | 2438 | 2420 | 26 |
| 17 | 6096 | 2420 | 65 |

## GRP Liner Panels

These lightweight gel-coated GRP Liner Panels are used in a range of applications including refrigerated vehicles, camper vans and leisure vehicles.

### Aalco stock of GRP Liner Panels

| Thickness (mm) | Length (mm) | Width (mm) | Weight kg |
|---|---|---|---|
| 4 | 6096 | 2440 | 95 |

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## Custom-made

The ISS and ISP panels can be produced according to your specifications.

**Examples:**
Floor panels with wood or metal reinforcements. Insulated bulkhead panels with wood or metal reinforcements for refrigerator fastening. Insulated roof panels with, on request, stiffeners for the fastening of equipment, or with tubes for electrical wiring.

## ISP

Polyurethane foam panel with 4mm plywood sheets on both sides for an optimal stiffness and a stronger shock resistance.

| Thickness mm | 25 | 30 | 40 | 50 | 80 | 100 | 120 |
|---|---|---|---|---|---|---|---|
| Weight kg/m² ISP | 10.7 | 11.0 | 11.5 | 12.0 | 13.5 | 14.5 | 15.5 |
| Weight kg/m² ISP3 | 11.1 | 11.4 | 11.9 | 12.4 | 13.9 | 14.9 | 15.9 |
| Weight kg/m² ISP4 | 11.6 | 11.9 | 12.4 | 12.9 | 14.4 | 15.4 | 16.4 |
| Weight kg/m² ISP5 | 12.4 | 12.7 | 13.2 | 13.7 | 15.2 | 16.2 | 17.2 |
| Coefficient of insulation w/m²/k (ISP) | 1.65 | 1.26 | 0.86 | 0.65 | 0.38 | 0.30 | 0.24 |

**Applications**
Insulated bodyworks, isothermal and refrigerated containers.

**Types / Glass reinforcement:**
**ISP:** 950 g/m²
**ISP3:** 1100 g/m²
**ISP4:** 1530 g/m²
**ISP5:** 2130 g/m²

**Standard height:** 2500mm
**Maximum height:** 3150mm
**Standard length:** up to 13550mm
**Special sizes:** On request

**Polyurethane-foam density:**
Standard 40 kg/m³
**Other density:** On request

## ISS

Lightweight panel with polyurethane foam core with better insulation performance.

**Thicknesses and weights**

| Thickness mm | 25 | 30 | 40 | 50 | 80 | 100 | 120 |
|---|---|---|---|---|---|---|---|
| Weight kg/m² ISS | 7.0 | 7.2 | 7.6 | 8.0 | 9.2 | 10.0 | 10.8 |
| Weight kg/m² ISS2 | 7.5 | 7.7 | 8.1 | 8.5 | 9.7 | 10.5 | 11.3 |
| Weight kg/m² ISS3 | 7.9 | 8.1 | 8.5 | 8.9 | 10.1 | 10.9 | 11.7 |
| Weight kg/m² ISS4 | 8.7 | 8.9 | 9.3 | 9.7 | 10.9 | 11.7 | 12.5 |
| Coefficient of insulation w/m²/k (ISS) | 1.25 | 1.01 | 0.74 | 0.58 | 0.35 | 0.26 | 0.23 |

**Applications**
Insulated bodyworks, isothermal and refrigerated containers.

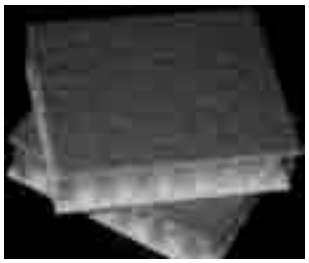
**Types / Glass reinforcement:**
**ISS:** 1530 g/m²
**ISS2:** 1830 g/m²
**ISS3:** 2130 g/m²
**ISS4:** 2730 g/m²

**Standard height:** 2550mm
**Maximum height:** 3150mm
**Standard length:** up to 13550mm
**Special sizes:** On request

**Polyurethane-foam density:**
Standard 40 kg/m³
**Other density:** On request

## NIDALIT

Lightweight panel with a Polypropylene honeycomb core, coated on both sides with glassfibre reinforced polyester resin.



**Thicknesses and weights**

| Thickness mm | 14 | 17 | 20 | 25 | 30 |
|---|---|---|---|---|---|
| Weight kg/m² NA45L (lightened issue) | 4.2 | 4.4 | 4.5 | 4.8 | 5.1 |
| Weight kg/m² NAPS | 5.8 | 6.0 | 6.2 | 6.5 | 6.8 |
| Weight kg/m² NAP6 | 7.7 | 7.9 | 8.1 | 8.4 | 8.7 |
| Weight kg/m² NAP7 | 8.3 | 8.5 | 8.7 | 9.0 | 9.3 |
| Coefficient of insulation w/m²/K (NAPS) | 5.03 | 4.37 | 3.66 | 2.87 | 2.37 |

**Advantages:**
Strong lightweight panel. Excellent resistance to humidity and external uses.

**Types / Glass reinforcement:**
**NA45L:** 930 g/m² **NAP6:** 1230 g/m²
**NAPS:** 930 g/m² **NAP7:** 1500 g/m²

**Standard height:** 2500mm
**Maximum height:** 3150mm
**Standard length:** up to 13550mm
**Special sizes**: On request

**Custom-made:**
Coloured Panels: Special cuts according to drawings. Peripheral and intermediate wood according to drawings. Panels protected with plastic film upon request. Panels with peel dry, anti-slip coat to realise floors.

**Applications:**
Boxes, containers of lightweight vehicles, bottoms of swimming pools.

## NIDALIT NON-SLIP

Lightweight panel with a Polypropylene honeycomb core, coated on one side with glassfibre and the other with anti-slip resin.

**Thicknesses and weights**

| Thickness mm | 17 | 25 | 30 |
|---|---|---|---|
| Weight kg/m² NAPS with anti-slip coating | 7.5 | 8.0 | 8.3 |

**Advantages:**
Resistant, light and waterproof.

**Types / Glass reinforcement:**
**NAPS:** 1800 g/m²

**Maximum width:** 2550mm
**Standard length:** up to 13550mm
**Special sizes**: On request

**Upon specific request:**
With peel ply instead of anti-slip coating.

**Applications:**
Floors for lightweight vehicles, construction, footbridges and balconies.

## PER range

PET foam coated on both sides with glassfibre polyester resin.

**Thicknesses and weights**

| Thickness mm | 14 | 17 | 20 | 25 | 30 |
|---|---|---|---|---|---|
| Weight kg/m² PER | 4.6 | 4.8 | 5.1 | 5.5 | 5.9 |
| Coefficient of insulation w/m²/k (PER) | 3.40 | 2.70 | 2.25 | 1.70 | 1.44 |

**Advantages**
Good resistance to compression.

**Types / Glass reinforcement:**
**PER:** 925 g/m²

**Standard height:** 2440mm
**Maximum height:** 3150mm
**Standard length:** up to 13550mm
**Special sizes:** On request

**Custom-made:**
We can paint, protectively film or cut the panels according to your drawings.

**Applications**
Lightweight vehicles.

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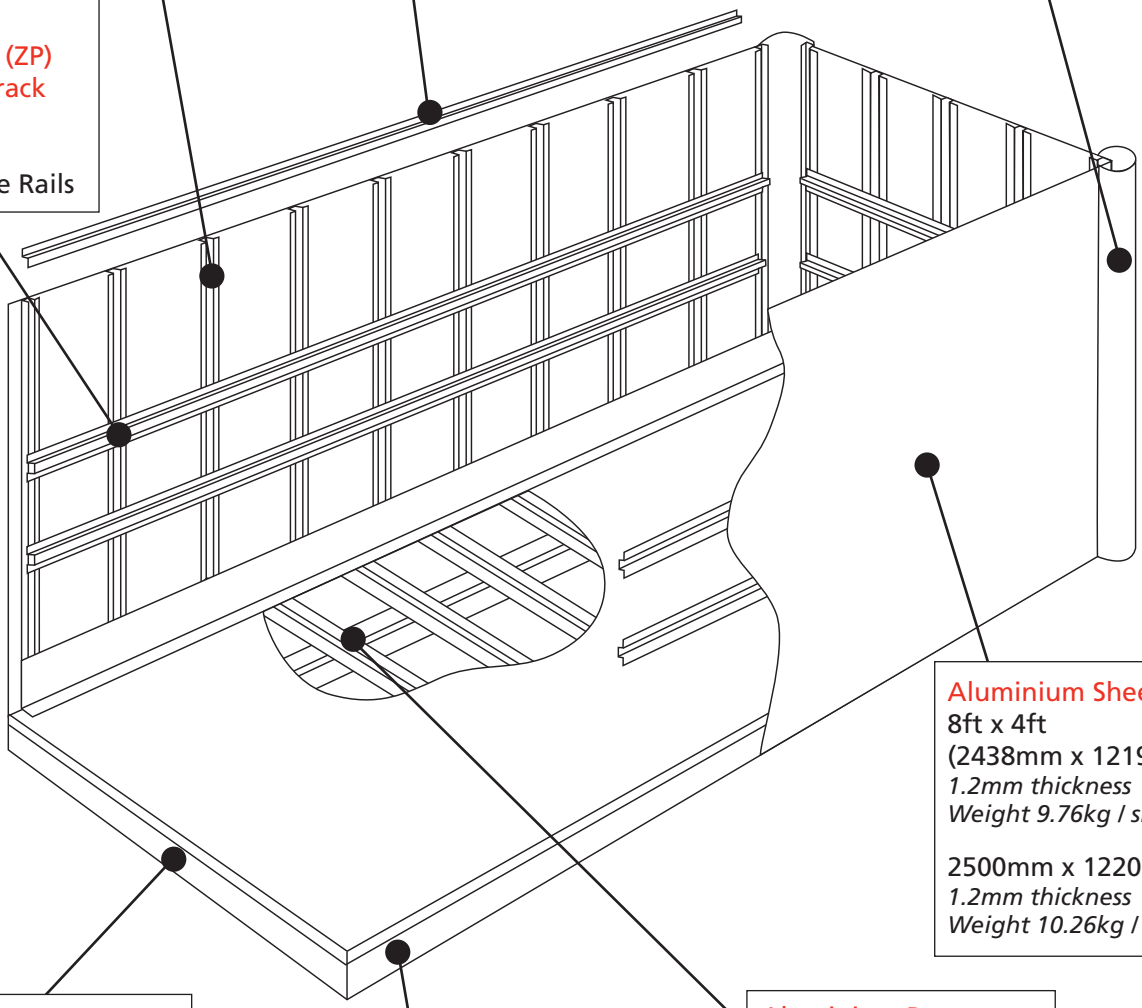
# N: Aluminium Box Body

Issue 04 / September 2014



Top Hat
**TH5 / TH2**

**GZ28** Zed Tie

Aluminium Corner Pillars
**CP18, CP50**

Top Hat
**TH5 / TH16**

Zinc Plated (ZP)
Load Lok Track
**1806**

Wooden Tie Rails

Aluminium Sheets
8ft x 4ft
(2438mm x 1219mm)
*1.2mm thickness*
*Weight 9.76kg / sheet*

2500mm x 1220mm
*1.2mm thickness*
*Weight 10.26kg / sheet*

Aluminium Corner Pillars
**CP5**

Steel Back Bearer to customer specification

**SR5, GRP15** are typical Mainsides / Side Raves

Aluminium Runners
**FB1, FB58**

Aluminium Bearers
**FB1, FB8, FB4**

Runners
**GR3** or **GR5**

**GB2, GB23** or **GB3** can be used as Bearers

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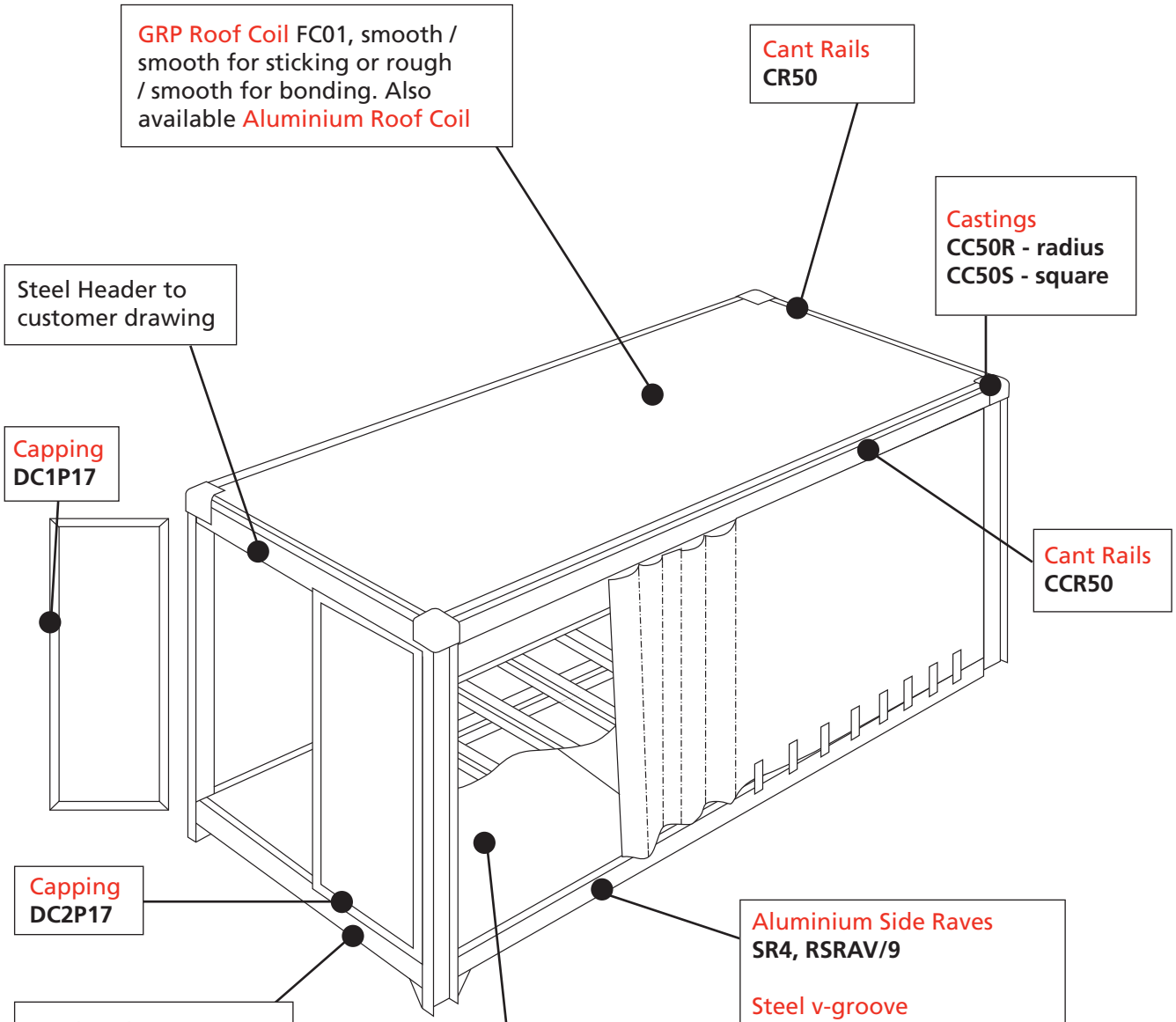
# O: Curtainsider Body

Issue 04 / September 2014


GRP Roof Coil FC01, smooth / smooth for sticking or rough / smooth for bonding. Also available Aluminium Roof Coil
Cant Rails
CR50
Castings
CC50R - radius
CC50S - square
Steel Header to customer drawing
Capping
DC1P17
Cant Rails
CCR50
Capping
DC2P17
Steel Back Bearer to customer specification
Aluminium Side Raves
SR4, RSRAV/9
Steel v-groove
RSRV125/7 & RSRV125/9
Galvanized Steel Runners
3mm and 5mm sections
(see floor drawing)
FP1, FP2, FP12, FP24
Aaclo HexaGrip, AalcoMesh & AalcoTrans
Keruing & EGL Laminate

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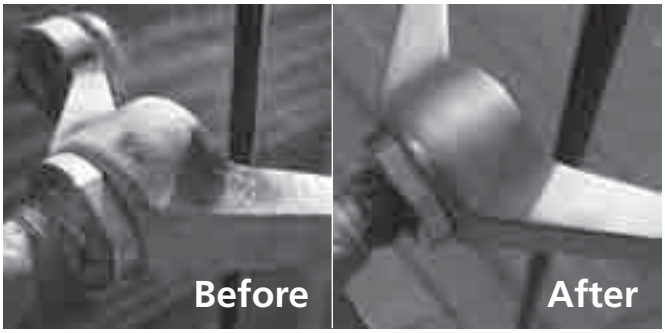
# P: Innosoft B570 & Innoprotect B580

Issue 04 / September 2014

## Rust and corrosion removal, cleaning and polishing on all types of metal.

Although Innosoft B570 was originally developed for stainless steel it has become apparent that it also gives good results on other metals like copper, aluminium and even plain steels. Common corrosion pits on aluminium are also effectively removed using this product.

It is a white viscous liquid based on organic acids and surface active agents and does not contain abrasives. It is suitable for the intensive cleaning of contaminated surfaces like flash rust and rusty areas, also known as 'tea-stains'. It is not a pickling agent because it does not attack the metal. It is therefore non-aggressive for metals but very effective on oxides and dirt.




Innoprotect B580 completely removes any residues left after the use of Innosoft B570 and passivates the surface which helps to prevent further corrosion.

Due to the deep-cleaning characteristics of Innosoft B570, the danger of 'under-deposit corrosion' of stainless steel is also reduced. This form of corrosion occurs under deposits because oxygen access is limited. This is particularly important in Chloride environments such as marine applications. Ground or polished surfaces are also more susceptible to this phenomenon.

**Instructions for using Innosoft B570**
Innosoft B570 is a white viscous liquid with an acidic pH of 3 containing organic acids and surface-active agents and is free from abrasive particles.

Innosoft B570 should first be well shaken and then applied undiluted using a damp sponge or pad. For ground or polished finishes, the product should be applied in the same direction as the brushing, grinding, polishing or abrading.

The loosened dirt and or oxide might cause light scratching, particularly on polished surfaces and this should therefore be carefully removed with water or a damp cloth. In this case only light pressure should be used in order to prevent any dirt becoming lodged in surface discontinuities. It is preferable to follow up with use of the basic cleaner Innoprotect B580 which as well as being neutral, also leaves a passive layer minimising the danger of any subsequent corrosion.

It is recommended that waterproof gloves are worn whilst using the product. A Material Safety Data Sheet in line with 1907/2006/EC article 31 is available on request.

**Instructions for using Innoprotect B580**
This neutral (pH 6.5) and mild cleaner can successfully be used in combination with Innosoft B570. As well as its cleaning action in removing the loosened oxides and contaminants, this product will also passivate the surface to minimise further corrosion. It is also suitable for the everyday cleaning of lightly soiled surfaces that have previously been treated with Innosoft B570.

**Dilution**
Dilute 400ml in 1000ml of cold water.

## Aalco Kits

Kits are available from Aalco comprising the following contents

| Product | 500ml Kit | 250ml Kit | 100ml Kit |
|---|---|---|---|
| Innosoft B570 | 500ml | 250ml | 100ml |
| Innoprotect B580 | 500ml | 250ml | 100ml |
| Application Sponge | 1 | 1 | 1 |

**Buy online at www.aalcodirect.co.uk**

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# Q: Crestabond® Adhesives

Issue 05 / July 2015

# A range of primerless, MMA structural adhesives for use in land transport, agricultural and recreational vehicles.

## Pack Sizes

**M1 (10:1) Range**
50ml side by side cartridges
400ml co-axial cartridges
825ml side by side cartridges
20 litre (nominal) pails
200 litre (nominal) pails

**M7 (1:1) Range**
50ml side by side cartridges
400ml side by side cartridges
20 litre (nominal) pails
200 litre (nominal) pails

## Crestabond® Features

- Primerless and requires minimal surface preparation
- Excellent fatigue and impact resistance
- Range of working and fixture times
- Good gap filling capability

## Customer Benefits

- Dramatically enhances production efficiency and reduces consumable costs
- Reduces dust emissions and preparation time
- Confidence in the longevity of the finished product
- Optimises production cycles to reduce manufacturing costs
- Adhesive can be used in multiple applications

## Guide To Bonding

### Metals

Some surface cleaning is required – remove any obvious dirt, grease, oxidation and other contaminates with either acetone, MEK or IPA. Galvanised or zinc coated metals should be bonded using the Crestabond® M7 (1:1) range.

When bonding cold rolled steel (CRS), ensure that the substrate has been cleaned, abraded and then cleaned once more in order to achieve the best results.

Certain metals, such as carbon steel may also require mechanical abrasion and a subsequent alcohol solvent wipe prior to bonding.

### Composites

Some surface cleaning is required – remove any obvious dirt, grease, oxidation and other contaminates with either acetone, MEK or IPA. The laminate should be fully cured prior to bonding and if the laminate surfaces are more than 3 days old, it is recommended that the surface must be cleaned with a suitable solvent or cleaner with a lint-free, clean cloth prior to bonding.

Surface preparation, such as mechanical abrasion, is likely to be needed on gel coat surfaces and moulded surface where release agents are likely to be present. When bonding epoxy laminates please test bond strength prior to application. Gelcoat substrates need to be cleaned and may require a light abrasion with a 100 -140 grit sandpaper. All composites can be bonded with Crestabond®.

### Plastics

Some surface cleaning is required – remove any obvious dirt, grease, oxidation and other contaminates with either acetone, MEK or IPA.

Plastics that cannot be bonded with the Crestabond® range are:

**Polyethylene** **Polypropylene**
**Polyacetals** **Polytetrafluoroethylene**

| Product | Description | Colour | Mix ratio by volume | Viscosity (cP) | Working time (mins) | Fixture time (mins) | Tensile elongation % | Tensile strength (MPa) | Tensile modulus (MPa) | Gap fill (mm) |
|---|---|---|---|---|---|---|---|---|---|---|
| M1-04 | Universal Bonder | Grey | 10:1 | 100,000 - 140,000 | 3-5 | 8-10 | 70 | 14-17 | 400-600 | 1-15 |
| M1-05 | Universal Bonder | Grey or Black | 10:1 | 100,000 - 140,000 | 4-7 | 12-18 | 70 | 14-17 | 400-600 | 1-15 |
| M1-20 | Universal Bonder | Grey or Black | 10:1 | 100,000 - 140,000 | 14-22 | 25-35 | 70 | 16-19 | 600-850 | 1-25 |
| M1-30 | Universal Bonder | Grey or Black | 10:1 | 200,000 - 240,000 | 25-35 | 60-80 | >100 | 17-20 | 750-1000 | 1-50 |
| M1-60 | Universal Bonder | Grey | 10:1 | 200,000 - 240,000 | 50-70 | 150-180 | >100 | 16-18 | 650-850 | 1-50 |
| M1-90HV | Universal Bonder | Off White | 10:1 | 340,000 - 380,000 | 80-100 | 210-240 | >50 | 20-25 | 1400-1800 | 1-50 |
| M7-05 | Universal Bonder | Off White or Black | 1:1 | 30,000 - 70,000 | 4-7 | 18-22 | 44 | 23-26 | 1300-1700 | 1-5 |
| M7-15 | Universal Bonder | Off White | 1:1 | 30,000 - 70,000 | 10-20 | 30-45 | 43 | 20-23 | 1400-1700 | 1-5 |

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| Product | GRP | Stainless steel | Aluminium | Powder coated steel | Cold rolled steel | ABS | Acrylic | Polycarbonate | Galvanised |
|---|---|---|---|---|---|---|---|---|---|
| M1-04 | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔ | ✔✔ | ✔ | |
| M1-05 | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔ | ✔✔ | ✔ | |
| M1-20 | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔ | ✔✔ | ✔ | |
| M1-30 | ✔✔ | ✔ | ✔✔ | ✔ | ✔ | ✔ | ✔ | ✔ | |
| M1-60 | ✔✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | |
| M1-90 | ✔✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | |
| M7-05 | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔ | ✔✔ | ✔ | ✔✔ |
| M7-15 | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔✔ | ✔ | ✔✔ | ✔ | ✔✔ |

Multiple ticks denote exceptional suitability

## Key points

- Higher or lower working temperatures will cause the working time to decrease or increase
- Static mixers must always be discarded after use
- After specified fixture time, Crestabond® will achieve approximately 85% strength, after 24 hours full cure will be achieved
- Operating temperature of Crestabond® is from -40°C up to 100°C

**Application**

Prior to bonding, ensure the substrate surface is clean by following instructions provided. Bulk dispensing equipment should be in good operating condition. Dispense the adhesive at slow rate initially onto a non-bonding surface until the bead colour is uniform opaque grey or black, depending on the adhesive grade. Check the dispensed bead for cure quality before beginning the bonding process. Dispense enough adhesive to fill the bond gap before parts are mated. Avoid dry bonds by using adequate pressure to mate parts and clamp properly to prevent joint movement.

All these processes must be completed before the working time of the mixed adhesive expires. The viscosities of both adhesive and activator are affected by temperature. The adhesive, activator and parts to be bonded should be allowed to attain workshop temperature of between 18°C and 25°C prior to bonding. This temperature should be maintained during the bonding process and until the adhesive is sufficiently cured to allow movement of the assembly.

For industrial/commercial use only. Not to be used in household applications. The user must determine the suitability of a selected adhesive for a given substrate and application. This product is intended for use by skilled individuals at their own risk.

The Crestabond® cartridges can be applied using a manual or pneumatic gun. Suitable manual and pneumatic guns plus static mixers are available to purchase.

## Bonding checklist

- Product is within shelf life
- Cartridge has been stored correctly
- No obvious defect or damage to cartridge
- No blockages within the cartridge
- Correct static mixing nozzle is being used
- If adhesives and activator are mixed correctly, colours should be as follows;

M1 (10:1) - Grey
M1 Black (10:1) - Black
M7 (1:1) - Off White
M7 Black (1:1) - Black

**Storage**

The shelf life for Crestabond® is defined from date of manufacture when stored at a recommended temperature between 2°C and 23°C. Long term exposure above 23°C will reduce the shelf life of these materials. Crestabond® products should be stored in their original container out of direct sunlight. The bulk product or cartridge material should be opened only immediately prior to use and it's highly recommended that products should never be frozen or exposed to temperatures above 35°C. The expiry date is indicated on the product labels.

### How to order bulk packed materials

| Product | Adhesive (pails or drums) | Activator (pails only) |
|---|---|---|
| M1-04 | M1-05 Adhesive | Activator 4 |
| M1-05 | M1-05 Adhesive | Activator 1 or Activator 1 Black |
| M1-20 | M1-20 Adhesive | Activator 1 or Activator 1 Black |
| M1-30 | M1-30 Adhesive | Activator 1 or Activator 1 Black |
| M1-60 | M1-60/90HV Adhesive | Activator 2 |
| M1-90HV | M1-60/90HV Adhesive | Activator 3 |
| M7-05 | M7-05 Adhesive | M7-05/15 Activator |
| M7-15 | M7-15 Adhesive | M7-05/15 Activator |

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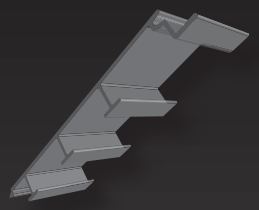

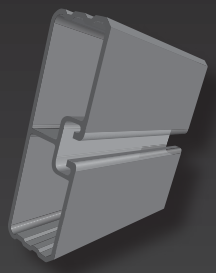

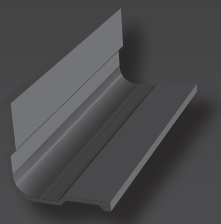

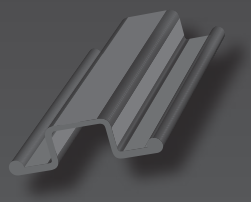

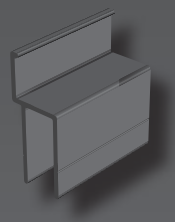

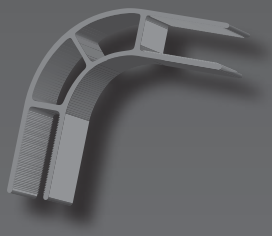


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