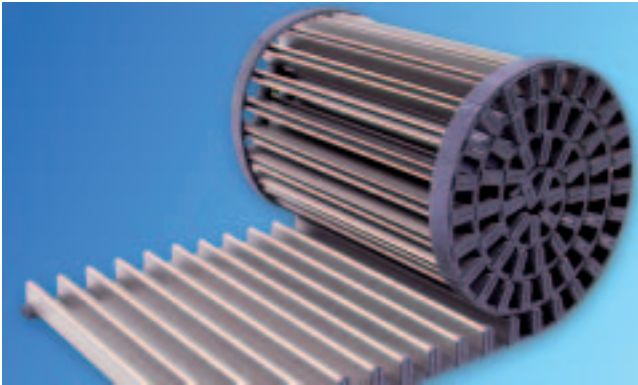


TROX GmbH

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Product Information Aluminium roll down grilles Type ARR

PI/T 1.1/2/EN/2



Description

Type ARR flexible aluminium roll down grilles may be used as covers for ventilation ducts, floor induction diffusers, decentralised ventilation units, underfloor convection heaters, light shafts, water overflows around the edges of swimming pools, etc.

Roll down grilles are normally used in floor applications, but they may also be used in walls as a design feature. Special fixings supplied by others are necessary for this application.

For reasons of the static loading two grille heights (15 mm and 20 mm) are available.



In prestigious buildings, and also in exclusive residential applications, the roll down grille combines with the interior design and sets a decorative counterpoint to the interior fittings.

The principal features are

- High impact sound insulation, quietness and anti-slip characteristics thanks to rubber coating on underside and side covers of the cut-edges
- May be used in areas subject to traffic
- DIN-tested, high thermal, chemical and mechanical stability
- High quality design
- Can be cut to size on site using special tool, item ④
- Easy to service/maintain (handling, repair, ease of cleaning)
- Individual bars can be simply replaced on site
- Free area ~ 60% related to L x W

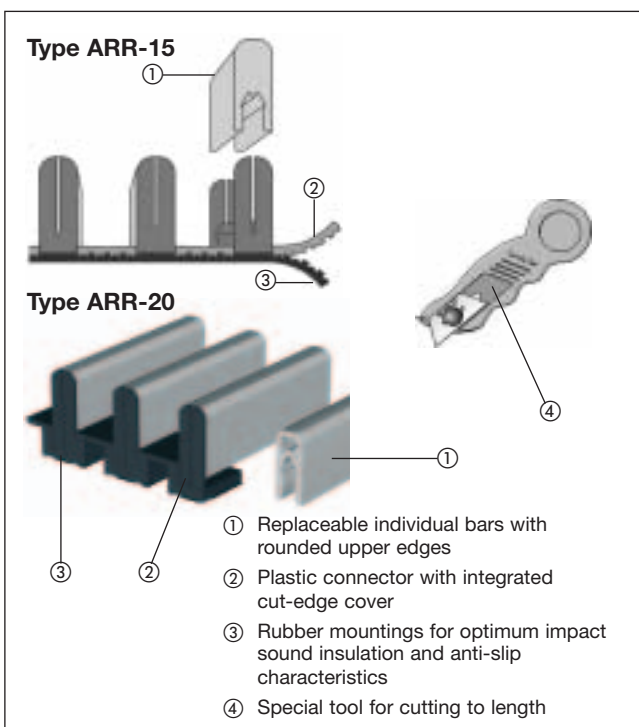
Construction

The design concept is a unique feature of the ARR aluminium roll down grilles.

The individual bars of the grille are located with a plastic connector mounted on rubber supports with a bar cut-edge cover. This ensures a stable connection which is able to guarantee that the aluminium roll down grilles are easy to handle, are quiet and safe to walk on when fitted, and are of high-quality materials.

Surface finish

The standard finish is natural anodised in accordance with E6-C-0. Options: anodised in accordance with Euras standards E6-C-31 to C-35 or powder-coated to RAL selected colour.

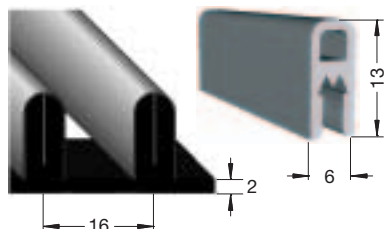


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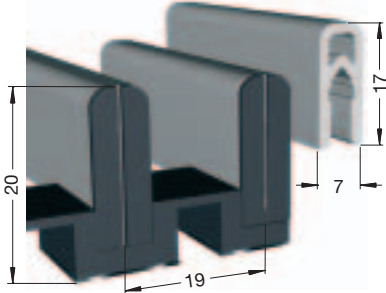
Dimensions

Type ARR-15



Roll down grille height: $13 + 2 = 15$ mm

Type ARR-20



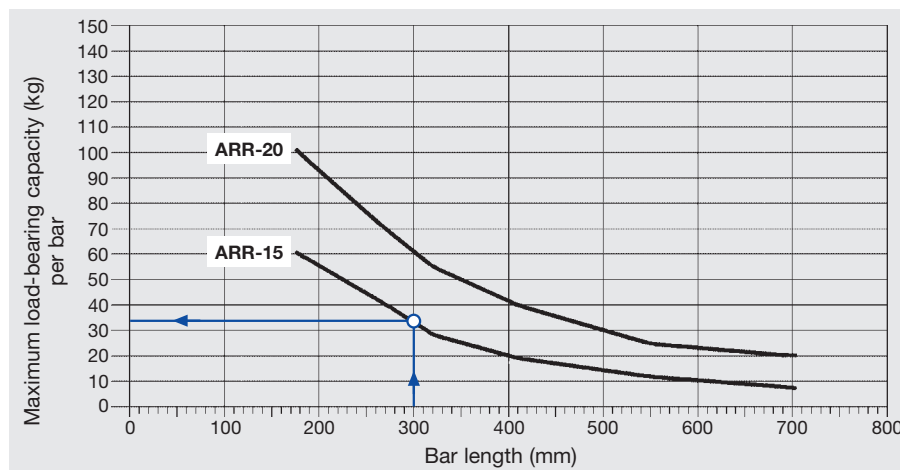
Roll down grille height: $17 + 3 = 20$ mm

Technical data · Load-bearing capacity

Maximum loading limits are a function of the bar length of the grille. Data is based on a static loading located at the centre of the bar. The grille is only supported at the edges with support points at approximately every 8 mm.

Under normal loading (e.g. walking) on the decorative grille, the maximum loading capacity depends on the size of the area loaded. This means that any calculation of the maximum load-bearing capacity must be based on the number of bars to be loaded and the maximum load-bearing capacity of the individual bars.

Example: $B = 300$ mm, ARR-15
33 kg/bar, for 8 bars $33 \times 8 = 264$ kg



Specification text

The TROX type ARR roll down grille consists of individual bars connected together by a plastic connector with rubber supports and a bar cut-edge cover.

The integral cut-edge cover prevents injuries and ensures quietness in terms of lateral clearance. Rubber supports provide high anti-slip features and impact insulation.

On site individual bars can easily be removed, also replacements can be cut to size and fitted.

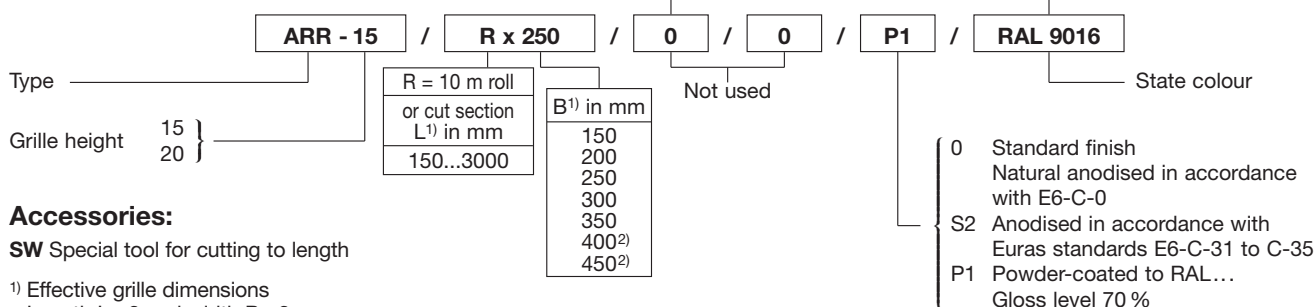
Materials

The bars are aluminium extrusions, the standard finish is natural anodised in accordance with E6-C-0. Options: anodised in accordance with Euras standards E6-C-31 to C-35 or powder-coated to RAL selected colour.

The surface finishes are characterised by their resistance to thermal stress and colour stability.

Order code

These codes need not be completed for standard products



Accessories:

SW Special tool for cutting to length

¹⁾ Effective grille dimensions
Length L –3 and width B –3 mm.

²⁾ Available in 2 x 5 m rolls.

Order example (roll)

Manufacture: TROX
Type: ARR-15 / R x 250 / P1 / RAL 9016
Accessories: ARR-SW

Order example (cut section)

Manufacture: TROX
Type: ARR-20 / 1200 x 250 / P1 / RAL 9016
Accessories: ARR-SW