# HELLA

# ROLLER SHUTTERS

### *nova*
## FRONT-MOUNTED ROLLER SHUTTER

From a purely optical point of view, front-mounted roller shutters guarantee an exceptional design flexibility for the overall architectural impression of a house. Whether round or square, this ideal sun and weather protection matches every characteristic building style.
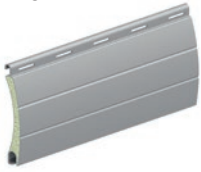
# nova
## FRONT-MOUNTED ROLLER SHUTTER

Due to the small size of the box a subsequent installation is possible under all window lintels. The front-mounted roller shutter proves its true strength with its extremely efficient protection against cold and heat. The energy saver!

All designs are also available with additional insulation.

## Profile types

**A37**



**AV42**



**A52**



A37 - A52:  The hollow space of the double-walled, roll formed aluminium profiles with light and ventilation slots are foam filled. The outer surfaces of the profiles, which are locked over the entire height, are coated with thick lacquer. 2 or 3 grooves.
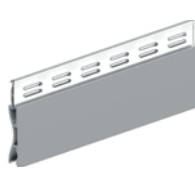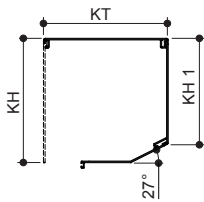
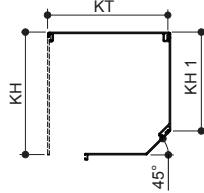**K37**



**K52**



**T37**



**S37**



K37, K52: Plastic profile, double-walled, with light and ventilation slots, 2 or 3 grooves, made of extruded, coloured plastic
T37: Daylight profile made of aluminium, extruded, double-walled, without grooves, intermediate profile made of translucent plastic, with ventilation slots
S37: Safety profile made of aluminium, double-walled, extruded and high-strength, foam-free with light and ventilation slots, 2 grooves
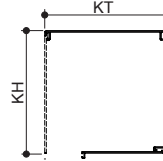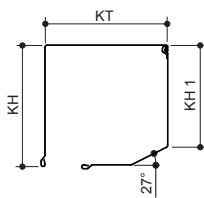


**nova NVS:**
square-slanted box 27°
extruded
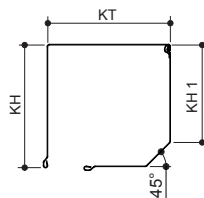
**nova NWS:**
slanted box 45°
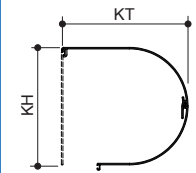extruded

**nova NQS:**
square box
extruded

**nova NVR:**
square-slanted box 27°
rollformed

**nova NWR:**
slanted box 45°
roll-formed

**nova NRS:**
round box
extruded

| Type | NVS / NVR | | | NWS / NWR | | | NQS | | NRS | |
|---|---|---|---|---|---|---|---|---|---|---|
| | KH mm | KT mm | KH 1 mm | KH mm | KT mm | KH1 mm | KH mm | KT mm | KH mm | KT mm |
| **11** | 115 | 115 | 95 | --- | --- | --- | 115 | 115 | 115 | 122 |
| **13** | 139 | 139 | 118 | 139 | 139 | 112 | 139 | 139 | 139 | 150 |
| **13 XL** | 139 | 159 | 118 | 139 | 159 | 112 | 139 | 159 | 139 | 167 |
| **16** | 169 | 169 | 140 | 169 | 169 | 132 | 169 | 169 | 169 | 177 |
| **16 XL** | 169 | 186 | 140 | --- | --- | --- | --- | --- | 169 | 193 |
| **18** | 185 | 185 | 152 | 185 | 185 | 143 | 185 | 185 | 185 | 193 |
| **20** | 209 | 209 | 170 | 209 | 209 | 158 | --- | --- | 209 | 219 |

KH = box height, KT = box depth, KH 1 = box height 1

| Limit sizes | A37 | AV42 | A52 | K37 | K52 | T37 | S37 |
|---|---|---|---|---|---|---|---|
| **Max. element width [mm]** | 3000 | 3500 | 3500 | 1800 | 2300 | 2500 | 2500 |
| **Max. element height [mm]** | 4000 | 3450 | 2900 | 3000 | 2700 | 2300 | 3000 |
| **Max. surface [m²]** | 7.5 | 8 | 10 | 3.1 | 4.5 | 5 | 6.5 |
| **Profile thickness [mm]** | 8.2 | 9.3 | 13 | 8.2 | 14 | 8.5 | 8.5 |
| **Covering width [mm]** | 37 | 42 | 52 | 37 | 52 | 38.4 | 37 |
| **Weight [kg per m²]** | 2.6 | 2.85 | 3 | 3 | 3.5 | 9.05 | 7 |

Subject to modifications.

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