



tesa[®] 6042 ProSeal

Product Information

Cartridge based applicator for fully automated hole coverings

Product Description

tesa[®] 6042 ProSeal is an automation solution for automotive Hole Covering applications.

The end effector is equipped with cartridges carrying different tesa[®] sealing patches. These cartridges rotate in a circular process between the customer and at a local tesa facility, taking care about the refill of the cartridge. High application speed can be achieved, as this product carries up to 4.000 die-cuts and needs no material refill in between and the application of different diameters with the 2-stamp design as well as the automatic cartridge change.

Product Features

- Simplified cell layout by fully automated material supply
- Flexible use of different patches on one applicator
- Circular process of material supply with reusable cartridges
- Tool Weight: approx 40 kg
- Tool Size: 625x530x280 mm
- Die Cuts Per cartridge: 1,500 - 4,000
- Max. Hole Diameter: 50mm
- Process Time Per Hole: 2 sec
- Cartridge Change Time: 5-10 sec
- Patch Application Pressure: 5 N/cm²
- 20-30 patches applied withing a regular cycle time

Application Fields

- Underbody covering of holes that withstand extreme weather conditions
- Interior hole covering with special requirements for acoustic
- Battery Application to close holes of Cells, Moduls or Packs
- Abrasion protection of screwed or welded spots on battery packs
- tesa[®] 6042 ProSeal is used on an typical industrial robots within a full automized factory cell

The end effector can be equipped with different tesa Hole Covering patches, e.g.:

- tesa[®] 54335 PunctureGuard for demanding exterior applications, e.g. underbody
- tesa[®] 54336 flexible black sealing patch for demanding interior applications e.g. passenger compartment floor
- tesa[®] 54348 thin conformable patch for less demanding interior applications e.g. pillars
- tesa[®] 54349 tough covering patch for less demanding exterior or interior applications, e.g. rocker panel



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Product Information

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

- Color colourless

Properties/Performance Values

- | | | | |
|----------------------|--------|------------------|-------|
| • Material | Metal | • Roll width max | 60 mm |
| • Max roll length | 4000 m | • Serrated blade | no |
| • Max. core diameter | 6 | | |

Additional Information

- tesa[®] 6042 ProSeal can be combined with all common robot models able to carry the weight and more.
- To implement the tool into the manufacturing line the customer provides an integrator.

Disclaimer

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