



# tesa<sup>®</sup> 6041 EfficienSeal

## Product Information

### Single Stamp End Effector for Robotic Application

#### Product Description

tesa<sup>®</sup> EfficienSeal 6041 is an automation solution for automotive Hole Covering applications.

The end effector can be equipped with different tesa<sup>®</sup> sealing patches and can be refilled easily by inserting a new roll. By using high quality components, it allows for high application speed and precision. In addition, a pneumatic quick release system enables tool change within seconds, for example for refilling or changing to different sealing patches. By using different roll and patch sizes, one roll can easily cover more than 2,000 holes which drastically improves process efficiency by reducing changeover time. For highest process security multiple sensors monitor all relevant process parameters.

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

- tesa<sup>®</sup> 54332 Fireguard for heat shielding or fire barrier applications e.g. battery
- tesa<sup>®</sup> 54335 PunctureGuard for demanding exterior applications, e.g. underbody
- tesa<sup>®</sup> 54336 flexible black sealing patch for demanding interior applications e.g. passenger compartment floor
- tesa<sup>®</sup> 54348 thin conformable patch for less demanding interior applications e.g. pillars
- tesa<sup>®</sup> 54349 tough covering patch for less demanding exterior or interior applications, e.g. rocker panel

#### Product Features

- Tool Weight: 24 kg
- Tool Size: 625x530x280 mm
- Max. Roll Diameter: 400mm
- Die Cuts Per Roll: 1.500 - 3.500
- Max. Hole Diameter: 50mm
- Process Time Per Hole: 2,5 sec
- Tool Change Time: 5-10 sec
- Patch Application Pressure: 5 N/cm<sup>2</sup>
- Material Change Time: 2-10 min

#### Application Fields

- Demanding underbody Hole Covering applications in automotive production
- High volume of pads in challenging cycle times with a limited number of different diameters
- Quick release system allows the application of different diameters or materials of patches
- tesa<sup>®</sup> EfficienSeal 6041 is used on an industrial robot within a full automatized factory cell



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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           | Aluminium | • Roll width max | 400 mm |
| • Max roll length    | 500 m     | • Serrated blade | no     |
| • Max. core diameter | 6         |                  |        |

### Additional Information

- tesa<sup>®</sup> 06041 EfficienSeal can be combined with all common robot models. To implementation of the tool into the manufacturing line the customer provides an integrator.

## Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=06041>