



## Ferrite overband magnets

ROP-F4-C-065-W-G-L-B-B-B-NA

SKU: ROFC065340

### Product Features

|   |  |
|---|--|
| <b>Description</b>                              | Ferrite permanent overband magnetic separator  |
| <b>SKU</b>                                      | ROFC065340   |
| <b>Product key</b>                              | ROP-F4-C-065-W-G-L-B-B-B-NA  |
| <b>Type</b>                                     | 4  |
| <b>Suitable for</b>                             | Cross mounting   |
| <b>Min. Fe-particle size that can be caught</b> | 1 mm   |
| <b>Advised max. installation height</b>         | 320 mm   |
| <b>Cleaning/Fe-particles disposal</b>           | Fully automatic with continuous production process   |
| <b>Suitable for belt width</b>                  | 650 mm   |
| <b>Interface/connection dim's</b>               | Lifting eye Ø30 mm (4x)  |
| <b>Material</b>                                 | Stainless steel (covering), Steel (framework), Steel (magnet enclosure)                                      |
| <b>Surface treatment/finishing</b>              | Painted, Grit blasted (covering)   |
| <b>Colour</b>                                   | Dark grey (Black grey): RAL7021 (frame and rollers), Red (Traffic red): RAL3020 (magnet/motor), - (covering) |
| <b>Max. operating / product temperature</b>     | 100 °C   |
| <b>Min./max. ambient temperature</b>            | -20 to 40 °C   |
| <b>Conveying length</b>                         | 1400 mm  |
| <b>Conveyor (belt) speed</b>                    | 1,5 m/s  |
| <b>Belt type</b>                                | Rubber, with cleats (EP500/3 6+2mm)  |
| <b>Belt width</b>                               | 800 mm   |
| <b>Magnetic system</b>                          | Permanent ferrite magnet   |

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<https://www.goudsmitmagnets.com/solutions/magnetic-recycling-sorting/overband-magnetic-separators/ferrite.html?sku=ROFC065340>

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| <b>Magnet dimensions</b>                         | 780x785x313 mm  |
| <b>Main pole dimensions</b>                      | 625x785x313 mm  |
| <b>Magnet quality</b>                            | Anisotropic ferrite GSFD-33, Br 4100 gauss (at 20 °C), Tmax. 225 °C |
| <b>Motor power supply</b>                        | 230/400 V AC; 50 Hz; 2.2 kW   |
| <b>Motor drive</b>                               | Electro motor with gear box: SEW SA67/T DRN100LS4 (IE3)             |
| <b>Motor mounting position</b>                   | M1B-Terminal box position=270 °(T)                                  |
| <b>Motor rotational speed</b>                    | In/out: 1450/71 rpm   |
| <b>Motor electrical thermal insulation class</b> | ISO-B (130 °C)  |
| <b>Motor dust/water protection class</b>         | IP54  |
| <b>Duty cycle</b>                                | 100%, 24 hours/day  |
| <b>Length</b>                                    | 2130 mm   |
| <b>Width</b>                                     | 1285 mm   |
| <b>Height</b>                                    | 575 mm  |
| <b>Weight</b>                                    | 1230 kg   |

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