Formed Rods: width 300mm, wft 50µm

BGD 215-50

Product Description

Traditional wire bar coaters are wire-wound rods (also known as twine rods with steel wires). The fine wire on the surface can easily become loose or break, and the rods are difficult to clean. Moreover, they are not suitable for producing ultra-thin coatings.

Solvica Formed Rods are manufactured using precision molds and a cold extrusion technique to create uniform wavy grooves on the surface, providing consistent coating performance equivalent to traditional wire bar coaters.





Features:

- CNC-machined with precision molds; the deviation of groove depth and spacing is less than 2 µm, ensuring high film uniformity
- Extended service life without loose or broken steel wires
- Smooth curved surface allows easy cleaning
- Suitable for ultra-thin coatings; the minimum achievable wet film thickness is 6 µm, making it an ideal solution for high-precision applications

Technical Specification

- Wet Film Thickness: 50 µm
- Wet film length: 300 mm
- Rod length: 400 mm
- Holding section length: 47 mm at each end

Note: All rods supplied by Solvica are designated according to their wire diameter or groove depth. For example, a wire-wound rod with a wire diameter of 1.0 mm is designated as a 100 µm rod. This designation refers to the theoretical wet film thickness; the actual wet film thickness achieved is approximately 75–80% of the theoretical value

Formed Rods: width 300mm, wft 50µm

BGD 215-50

Main Technical Parameters

	Wet Film Thickness (µm)
BGD 215/6	6
BGD 215/8	8
BGD 215/10	10
BGD 215/12	12
BGD 215/15	15
BGD 215/20	20
BGD 215/25	25
BGD 215/30	30
BGD 215/40	40
BGD 215/50	50
BGD 215/60	60
BGD 215/80	80
BGD 215/100	100
BGD 215/120	120
BGD 215/150	150
BGD 215/200	200

Formed Rods: width 300mm, wft 50µm

BGD 215-50

Disclaimer

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development