

# Filling Washer VS



Filling Washer VS

### Description

The VS filling washer is used for subsequent filling of the annular gap between fastening element (wedge anchor, concrete screw or anchor rod) and attachment. For the wedge anchors BZ3 and BZ plus as well as for the concrete screw BSZ, the VS filling washer is installed in addition, for the chemical anchor VZ and for the injection systems in replacement for the original washers of the threaded studs. After assembly, injection adhesive (VMZ, VMH, VMU plus or VME plus) is injected into the cross-section drill hole with the enclosed mixer reduction, until adhesive emerges.

### Advantages

- The filling washer enables filling of the annular gap as the final step to set the anchor.
- Larger holes are possible in the item being attached
- Increased allowable shear loads under seismic loading

### Application

For fastenings made using the MKT wedge anchors BZ3 and BZ plus, the concrete screw BSZ, the chemical anchor VZ, as well as the MKT injection systems VMZ, VMH, VMU plus or VME plus.

### Note

When choosing an anchor, observe that the fixture thickness of the anchor must be reduced by up to 6mm.

## Filling Washer VS

→ Steel, zinc plated

→ Every 20-pack includes 10, every 10-pack includes 5 and every 4-pack includes 2 mixer tips

Description	Ref. No.	Suitable for thread	Internal-Ø mm	Outer-Ø mm	Filling Washer VS thickness mm	Reduction of fixture thickness t <sub>fix</sub> by		Package content pcs.	Weight per package kg
						BZ3, BZ plus, BSZ mm	VZ, VMZ, VMH, VMU plus, VME plus mm		
VS M8	56084101	M8	9	23	5	5	3,4	20	0,32
VS M10	56104101	M10	12	26	5	5	3	20	0,37
VS M12	56124101	M12	14	28	5	5	2,5	20	0,40
VS M16	56164101	M16	17	34	5	5	2	10	0,30
VS M20	56204101	M20	21	41	5	5	2	10	0,41
VS M24	56244101	M24	25	48	6	6	2	4	0,30

## Filling Washer VS A4



→ Stainless Steel A4

→ Every 20-pack includes 10, every 10-pack includes 5 and every 4-pack includes 2 mixer tips

Description	Ref. No.	Suitable for thread	Internal-Ø mm	Outer-Ø mm	Filling Washer VS thickness mm	Reduction of fixture thickness t <sub>fix</sub> by		Package content pcs.	Weight per package kg
						BZ3 A4, BZ plus A4, BSZ2 A4 mm	VZ, VMZ, VMH, VMU plus, VME plus mm		
VS M8 A4	56084501	M8	9	23	5	5	3,4	20	0,32
VS M10 A4	56104501	M10	12	26	5	5	3	20	0,37
VS M12 A4	56124501	M12	14	28	5	5	2,5	20	0,40
VS M16 A4	56164501	M16	17	34	5	5	2	10	0,30
VS M20 A4	56204501	M20	21	41	5	5	2	10	0,41
VS M24 A4	56244501	M24	25	48	6	6	2	4	0,30