

# Metso:Outotec

## Stirred Milling Solutions

# Vertimill® grinding mill solutions

Application

We provide wear parts for Metso Outotec's complete range of Vertimill®. Parts supplied include screw liners, wear caps, Orebed™ liners and attachment hardware.



Metso Outotec's complete lining solution for your Vertimill® provides a long and predictable wear life to keep your mill up and running.

### Protect your mill

Metso Outotec Vertimill® is available in many different sizes and for different applications. To protect it and to optimize the grinding efficiency, Metso offers a complete range of wear parts. All parts have been specially developed for each specific type of Vertimill®.

### Long-lasting wear life with Orebed™

The inside and the door of your Vertimill® are protected by Orebed™ linings. Orebed™ consists of a series of powerful magnets embedded in rubber. The ferromagnetic material in the mill load forms a layer that protects the lining.

Installing Orebed™ is fast and easy since no bolts are needed, and the attractive forces keep the lining in place for years. The thin lining offers an outstanding, long-lasting wear life.

### Screw liners with a perfect fit

The Vertimill® screw is protected by cast liners in carefully selected wear-resistant alloys. There are two types of screw liners: end liners at the lower end of the screw and wear liners.

The liners offer a long, aligned wear life. A few liner models are fitted with rubber pads to ensure a perfect fit.

We design your Vertimill® and own the original drawings of the machine, including dimensions and tolerances, so our parts are always custom-made for your specific machine.

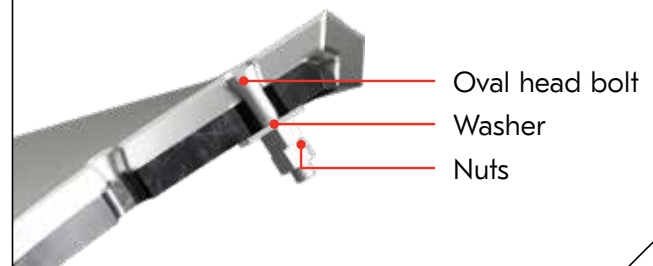
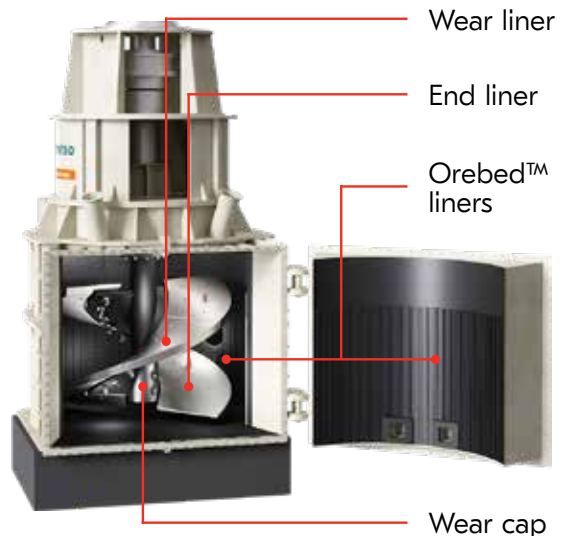
### Safer installation

Lifting points at the center of gravity makes the installation safer and faster.

Read more at [metso.com/vertimills-smd](http://metso.com/vertimills-smd)



### Vertimill® wear parts



# Vertimill® parts list

Metso Outotec screw liners are available in several different designs to fit all Vertimill® models. We are happy to help you choose the right parts for your specific mill.

Model	Description	Part number	Number of items in a mill	Hardware	Lifting point at COG
VTM-3000-WB VTM-4500-C (bolt 3")	Wear liner	03-525695	4 (WB), 6 (C)		
	End liner	ZX11641731	2 (WB), 2 (C)		
	End liner gen. 2	ZX11739360	2 (WB), 2 (C)		
	Oval head bolt	02-098927	18 (WB), 24 (C)	3/3	
	Washer	02-098928	18 (WB), 24 (C)	3/3	
	Nut	04-141259	36 (WB), 48 (C)	6/6	
	Pad	ZX11303163	12 (WB), 16 (C)		
VTM-1500-WB (bolt 2")	Wear liner	03-156395	6 (WB)		•
	Wear liner gen. 2	ZX11812072	6 (WB)		•
	End liner	03-156390	2 (WB)		
	End liner gen. 2	ZX11557494	2 (WB)		•
	End liner gen. 3	ZX11663022	2 (WB)		
	End liner gen. 4	ZX11754067	2 (WB)		•
	End liner gen. 5	ZX11821859	2 (WB)		•
	Oval head bolt	02-068101	30 (WB)	4/3	
	Washer	02-040314	30 (WB)	4/3	
	Nut	04-087354	60 (WB)	8/6	
VTM-1250-WB (bolt 2")	Pad	ZX11340661	8 (WB)		
	Wear cap	ZX11750007	1 (WB)		
	Wear liner	03-156375	8 (WB)		
	Wear liner gen. 2	ZX11580931	8 (WB)		•
	End liner	03-156370	2 (WB)		
	End liner gen. 2	ZX11460132	2 (WB)		•
	End liner gen. 3	ZX11841086	2 (WB)		•
	Oval head bolt	02-040313	38 (WB)	4/3	
	Washer	02-040314	38 (WB)	4/3	
	Nut	04-087354	76 (WB)	8/6	
VTM-1000-WB VTM-1250-W (bolt 2")	Pad	ZX11348863	10 (WB)		
	Wear cap	ZX11721209	1 (WB)		
	Wear liner	03-156345	8 (W, WB)		
	Wear liner gen. 2	ZX11715689	8 (W, WB)		•
	End liner	03-156340	2 (W, WB)		
	End liner gen. 2	ZX11715692	2 (W, WB)		•
	End liner gen. 3	ZX11803773	2 (W, WB)		•
	Oval head bolt	02-040313	40 (W, WB)	4/4	
	Washer	02-040314	40 (W, WB)	4/4	
	Nut	04-087354	80 (W, WB)	8/8	
VTM-800-WB VTM-900-W VTM-1000-W (bolt 1.25")	Pad	ZX11392823	10 (W, WB)		
	Wear cap	ZX11721209	1 (W, WB)		
	Wear liner	03-156314	14 (W, WB)		
	Wear liner gen. 2	ZX11574390	14 (W, WB)		•
	End liner	03-156313	2 (W, WB)		
	End liner gen. 2	ZX11574395	2 (W, WB)		•
	Oval head bolt	02-032645	48 (W, WB)	3/3	
Washer	02-032710	48 (W, WB)	3/3		
VTM-650-WB VTM-800-W (bolt 1.25")	Nut	1003025081	96 (W, WB)	6/6	
	Wear cap	ZX11833426	1 (W, WB)		
	Wear liner	03-156335	10 (W, WB)		
	Wear liner gen. 2	ZX11384786	10 (W, WB)		•
	End liner	03-156330	2 (W, WB)		
	End liner gen. 2	ZX11384787	2 (W, WB)		•
	Oval head bolt	02-032645	48 (W, WB)	4/4	
	Washer	02-032710	48 (W, WB)	4/4	
	Nut	1003025081	96 (W, WB)	8/8	
	Pad	ZX11433009	12 (W, WB)		

Model	Description	Part number	Number of items in a mill	Hardware
VTM-500-WB VTM-600-W (bolt 1.25")	Wear liner	03-156382	10 (W, WB)	
	End liner	03-156381	2 (W, WB)	
	Oval head bolt	02-032645	36 (W, WB)	3/3
	Washer	02-032710	36 (W, WB)	3/3
	Nut	1003025081	72 (W, WB)	6/6
	Pad	ZX11560709	12 (W, WB)	
VTM-400-WB VTM-500-W (bolt 1")	Wear liner	03-005004	14 (W/WB) 10 (LS)	
	End liner	03-156305	2 (W/WB) 2 (LS)	
	Oval head bolt	02-005170	48 (W/WB) 36 (LS)	3/3
	Washer	02-000538	48 (W/WB) 36 (LS)	3/3
	Nut	1003025071	96 (W/WB) 72 (LS)	6/6
VTM-250/300-WB VTM-300/350-W VTM-300-LS (bolt 1")	Pad	ZX11297117	16 (W/WB) 12 (LS)	
	Wear liner	03-156365	16 (W/WB) 12 (LS)	
	End liner	03-156360	2 (W/WB) 2 (LS)	
	Oval head bolt	02-005170	54 (W/WB) 42 (LS)	3/3
	Washer	02-000538	54 (W/WB) 42 (LS)	3/3
	Nut	1003025071	108 (W/WB) 84 (LS)	6/6
VTM-150/200-WB VTM-200/250-W VTM-200/250-LS (bolt 0.875")	Pad	ZX11304477	18 (W/WB) 14 (LS)	
	Wear liner	03-056604	18 (W/WB) 16 (LS)	
	End liner	03-271600	2 (W/WB) 2 (LS)	
	Oval head bolt	02-002803	60 (W/WB) 54 (LS)	3/3
	Washer	02-000538	60 (W/WB) 54 (LS)	3/3
VTM-125-WB VTM-150-W VTM-150-LS (bolt 0.875")	Nut	00-631-001-114	120 (W/WB) 108 (LS)	6/6
	Pad	ZX11298605	20 (W/WB) 18 (LS)	
	Wear liner	03-200200	22 (W/WB) 20 (LS)	
	End liner	03-156320	2 (W/WB) 2 (LS)	
	Oval head bolt	02-002803	72 (W/WB) 66 (LS)	3/3
VTM-75-WB VTM-100-W VTM-100-LS (bolt 0.875")	Washer	02-000538	72 (W/WB) 66 (LS)	3/3
	Nut	00-631-001-114	144 (W/WB) 132 (LS)	6/6
	Wear liner	03-056503	26 (W/WB) 22 (LS)	
	End liner	03-056808	2 (W/WB) 2 (LS)	
VTM-40/60-WB VTM-50/75-W VTM-50/75-LS (bolt 0.875")	Oval head bolt	02-002803	56 (W/WB) 48 (LS)	2/2
	Washer	02-000538	56 (W/WB) 48 (LS)	2/2
	Nut	00-631-001-114	112 (W/WB) 96 (LS)	4/4
	Wear liner	03-056901	30 (W/WB) 26 (LS)	
VTM-20-WB VTM-30-W VTM-30-LS (bolt 0.875")	End liner	03-214100	2 (W/WB) 2 (LS)	
	Oval head bolt	02-002803	64 (W/WB) 56 (LS)	2/2
	Washer	02-000538	64 (W/WB) 56 (LS)	2/2
	Nut	00-631-001-114	128 (W/WB) 112 (LS)	4/4
	Wear liner	03-207200	30 (W/WB) 30 (LS)	
VTM-15-WB VTM-20-W VTM-20-LS (bolt 0.875")	End liner	03-207300	2 (W/WB) 2 (LS)	
	Oval head bolt	02-002803	64 (W/WB) 64 (LS)	2/2
	Washer	02-026766	64 (W/WB) 64 (LS)	2/2
	Nut	00-631-001-114	128 (W/WB) 128 (LS)	4/4
VTM-15-WB VTM-20-W VTM-20-LS (bolt 0.875")	Wear liner	03-147202	38 (W/WB) 30 (LS)	
	End liner	03-147302	2 (W/WB) 2 (LS)	
	Oval head bolt	02-002803	80 (W/WB) 64 (LS)	2/2
	Washer	02-026766	80 (W/WB) 64 (LS)	2/2
VTM-15-WB VTM-20-W VTM-20-LS (bolt 0.875")	Nut	00-631-001-114	160 (W/WB) 128 (LS)	4/4