

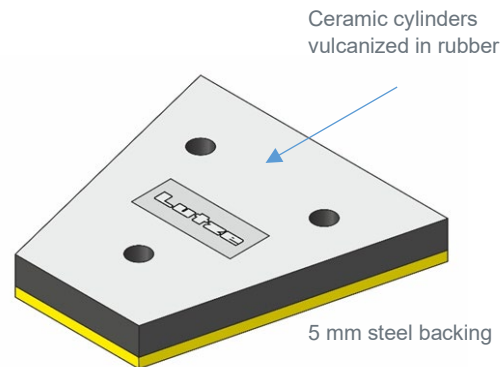
# MODULAR WEAR PROTECTION SYSTEM **LMS**

PC (Ceramic/Rubber),

LMS-PC modules available in a size of 250/500mm x 500mm. Due to the trapezoidal shape of the modules, washouts at the joints of the individual modules are minimized. LMS-PC modules are a combination of highly wear-resistant 92%  $Al_2O_3$  ceramic cylinders vulcanized in T60 wear rubber. A 5 mm hot-vulcanized steel backing plate SJ235 (ST-37) is used for fastening by means of welding studs. Different materials (wear rubber LMS-RU, polyurethane LUWITAN® LMS-PU, polyethylene TIVAR88-2 LMS-PE, ceramic/rubber LMS-PC) available and interchangeable.

LMS-PC Kit (6 m<sup>2</sup> = 32 modules) for optimal warehousing.

To have less caking, special corner elements in polyurethane or polyethylene can be used.



## ADVANTAGES

- Highest abrasion resistance
- Simple, flexible, and quick installation with secure fastening (welding studs)
- Reduction of operating costs (warehousing)
- Long service lives lead to increased plant availability
- Trapezoidal shape of the modules reduces wear (washouts at joints)
- Easy replacement of the modules → optimization of the wear lining
- Good weather resistance
- Other material qualities available (Rubber, Polyurethan, Polyethylene)

## TYPICAL AREAS OF APPLICATION

- Highest wear resistance in applications with sliding wear, especially at high conveying velocities
- Excellent wear properties for transfer points with a small impact angle 0° - 30°
- Medium to light applications in mining, quarries, sand and gravel plants and in industry, e.g. vibrating feeders, skips, bunkers, chutes, loading points, gutters, hoppers, silos, etc., which are exposed to sliding wear

## PROPERTIES

LMS-PC modules are a combination of highly wear-resistant 92% AL<sub>2</sub>O<sub>3</sub> ceramic cylinders and a T60 rubber compound.

A 5 mm hot-vulcanized steel backing plate S235 (ST-37) is used for fastening by welding studs.

	Value	Unit	Standard
Colour	black		
Polymer basis	SBR 100%		
Density	1,12	g/cm <sup>3</sup>	ISO2781
Hardness	60 ± 5	°IRHD	ISO48
Abrasion	<=120	mm <sup>3</sup>	ISO4649
Tensile strength	21,5	MPa	ISO37
Tear strength ISO 34C	30	kN/m	ISO34
Elongation at break	600	%	ISO37
Temperature	-25/+75	°C	

### **LMS** Modular wear protection system LMS-PC

Part-No.:	Description	Thickn. in mm	Dimension (TxWxL)	Thickn. steel backing in mm	Thickn. rubber layer in mm	Thickn. ceramic cylinder in mm	Weight kg/pce
LUTZ0313	LMS-PC-20	20	20 x 500/250 x 500	5,0	5,0	10,0	13,0
LUTZ0314	LMS-PC-35	35	30 x 500/250 x 500	5,0	10,0	20,0	20,0

### **LMS** Modular wear protection system LMS-PC-Kit – 32 Stück (6m<sup>2</sup>)

Part-No.:	Description	Thickn. in mm	Dimension (TxWxL)	Thickn. steel backing in mm	Thickn. rubber layer in mm	Thickn. ceramic cylinder in mm	Weight kg/pce
KLUTZ0313	LMS-PC-Kit-20 mm	20	20 x 500/250 x 500	5,0	5,0	10,0	416,0
KLUTZ0314	LMS-PC-Kit-35 mm	35	35 x 500/250 x 500	5,0	10,0	20,0	640,0