

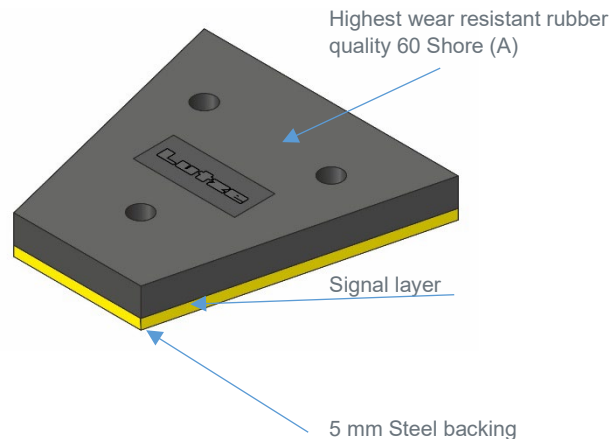
# MODULAR WEAR PROTECTION SYSTEM **LMS**

Wear rubber, black + orange, 60 Shore (A) with signal layer

LMS-RU 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. Highly wear-resistant rubber quality as a wear layer and the orange rubber layer as a signal layer on 5-mm steel backing plate S235 (ST-37) hot-vulcanized. The thickness of the signal layer depends on the total thickness (20, 30, 40, 50, 75, 100 mm) of the LMS-RU modules. The hot-vulcanized steel backing plate prevents fine material from settling under the liner and allows for secure fastening. For the mechanical fastening of the modules (through-bolts, welding bolts), 3 mounting holes are already inserted at the specified distance. Different materials (wear rubber LMS-RU, polyurethane LUWITAN® LMS-PU, polyethylene TIVAR88-2 LMS-PE, ceramic/rubber LMS-PC) available and interchangeable. LMS-RU 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.

Also available without mounting holes.



## ADVANTAGES

- Highest wear resistance in applications with impact and sliding wear due to dry, sharp-edged material
- Simple, flexible, and quick installation with secure fastening (welding bolts, through-hole screws)
- Reduction of operating costs (warehousing)
- Long service life leads to increased plant availability
- Trapezoidal shape of the modules reduces wear (washouts at joints)
- Easy replacement of the modules → Optimization of the wear lining
- Preventive maintenance through signal layer
- Other material qualities available (Polyurethan, Polyethylen, Ceramic)
- Reduction of noise level
- Vibration reduction
- Good weather resistance

## TYPICAL AREAS OF APPLICATION

Highest wear resistance in applications with impact and sliding wear and noise pollution. Best results can be achieved at impact angles of 90°. Very heavy to medium duty applications (crushed sharp-edged material) in mining, quarries, sand and gravel plants, recycling plants, e.g. truck bodies, primary bunkers, chutes, loading points, feeders, funnels, silos, mobile crushing and screening plants, etc.

**PROPERTIES**

The T60 rubber quality is a 100% styrene, butadiene rubber (SBR) compound with excellent wear resistance to dry wear and impact.

	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 in rubber LMS-RU

Part-No.:	Description	Thickn. in mm	Dimension (TxWxL)	Thickn. steel backing in mm	Thickn. signal layer in mm	Thickn. wear layer in mm	Weight kg/pce
LUTZ0318	LMS-RU-20	20	20 x 500/250 x 500	5	5	10	10,5
LUTZ0319	LMS-RU-25	25	25 x 500/250 x 500	5	10	10	11,5
LUTZ0320	LMS-RU-30	30	30 x 500/250 x 500	5	10	15	12,6
LUTZ0321	LMS-RU-40	40	40 x 500/250 x 500	5	10	25	14,7
LUTZ0322	LMS-RU-50	50	50 x 500/250 x 500	5	10	35	16,8
LUTZ0323	LMS-RU-60	60	60 x 500/250 x 500	5	10	45	18,9
LUTZ0324	LMS-RU-75	75	75 x 500/250 x 500	5	20	50	22,0
LUTZ0325	LMS-RU-80	80	80 x 500/250 x 500	5	20	55	23,1
LUTZ0326	LMS-RU-100	100	100 x 500/250 x 500	5	25	70	27,3

**LMS** Modular wear protection system in rubber LMS-RU-Kit - 32 Stück (6,0 m<sup>2</sup>)

Part-No.:	Description	Thickn. in mm	Dimension (TxWxL)	Thickn. steel backing in mm	Thickn. signal layer in mm	Thickn. wear layer in mm	Weight kg/pce
KLUTZ0318	LMS-RU-Kit- 20 mm	20	20 x 500/250 x 500	5	5	10	336,0
KLUTZ0319	LMS-RU-Kit- 25 mm	25	25 x 500/250 x 500	5	10	10	368,0
KLUTZ0320	LMS-RU-Kit- 30 mm	30	30 x 500/250 x 500	5	10	15	403,2
KLUTZ0321	LMS-RU-Kit- 40 mm	40	40 x 500/250 x 500	5	10	25	470,4
KLUTZ0322	LMS-RU-Kit- 50 mm	50	50 x 500/250 x 500	5	10	35	537,6
KLUTZ0323	LMS-RU-Kit- 60 mm	60	60 x 500/250 x 500	5	10	45	604,8
KLUTZ0324	LMS-RU-Kit- 75 mm	75	75 x 500/250 x 500	5	20	50	704,0
KLUTZ0325	LMS-RU-Kit- 80 mm	80	80 x 500/250 x 500	5	20	55	739,2
KLUTZ0326	LMS-RU-Kit- 100 mm	100	100 x 500/250 x 500	5	25	70	873,6