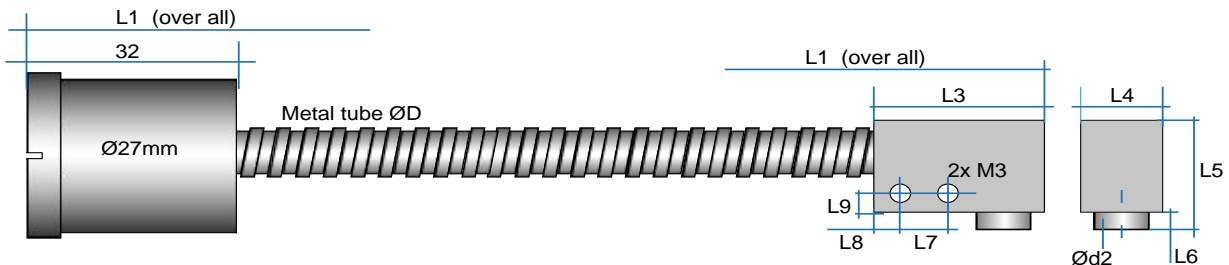


Data sheet MATRIX light guide

Light barrier with steel protective sleeve for Ex zone 1, 2, 21, 22

Light guides suitable for optical sensors M30 x 1.5. The light guides are mounted with a union nut M30 x 1.5. These are usually not included in the scope of delivery and must be ordered separately. (Union nut M30 // 20mm)

| | |
|-----------------------|---|
| Function | Diffuse reflectiv (The manufacturer's installation instructions must be observed). |
| Structure | 1-armed |
| Arm lengths | Fixed, cannot be cut to length |
| Fibre | Glass fibre bundle |
| Active area | Fibre bundles mixed or separated |
| Coat | Steel |
| Bending radius | 30mm |
| Headboard | Steel |
| Operating temperature | -20°C to 120°C |
| Working distance | Depending on the arm length from the light guide and the sensor performance |
| Light frequency | Preferably infrared |
| Light attenuation | Yes |



25.11.21/PH

| Active surface approx. 5mm | Dimensions in mm | | | | | | | | | | |
|----------------------------|------------------|----|----|----|----|----|----|----|----|---|----|
| | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8 | L9 | D | d2 |
| MSM-0500-03-T-KL-OP2 | 500 | | 25 | 12 | 18 | 3 | 7 | 4 | 3 | 8 | 8 |
| MSM-1000-03-T-KL-OP2 | 1000 | | 25 | 12 | 18 | 3 | 7 | 4 | 3 | 8 | 8 |
| MSM-2000-03-T-KL-OP2 | 2000 | | 25 | 12 | 18 | 3 | 7 | 4 | 3 | 8 | 8 |