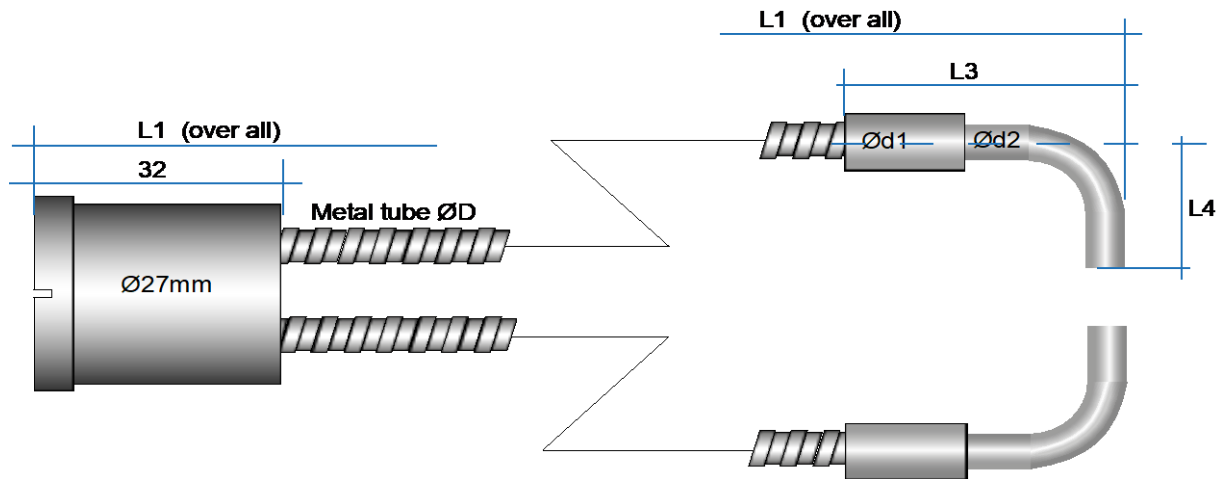


## Data sheet MATRIX light guide

### Light barrier with metal 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 M30x1,5 // 20mm)

| Function              | Light barrier   |
|-----------------------|---|
| Structure             | 2-armed   |
| Arm lengths           | Fixed, cannot be cut to length, Length tolerance +/- 50mm                   |
| Fibre                 | Glass fibre bundle  |
| Active area           | Fibre bundles mixed or separated  |
| Coat                  | Brass /   |
| Bending radius        | 50mm  |
| 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. 4mm | Dimensions in mm |    |      |      |   |    |    |
|----------------------------|------------------|----|------|------|---|----|----|
|                            | L1               | L2 | L3   | L4   | D | d1 | d2 |
| MSM-0500-03-L-BO           | 500              |    | 22,5 | 17,5 | 7 | 8  | 5  |
| MSM-1000-03-L-BO           | 1000             |    | 22,5 | 17,5 | 7 | 8  | 5  |
| MSM-2000-03-L-BO           | 2000             |    | 22,5 | 17,5 | 7 | 8  | 5  |
| MSM-3000-03-L-BO           | 3000             |    | 22,5 | 17,5 | 7 | 8  | 5  |