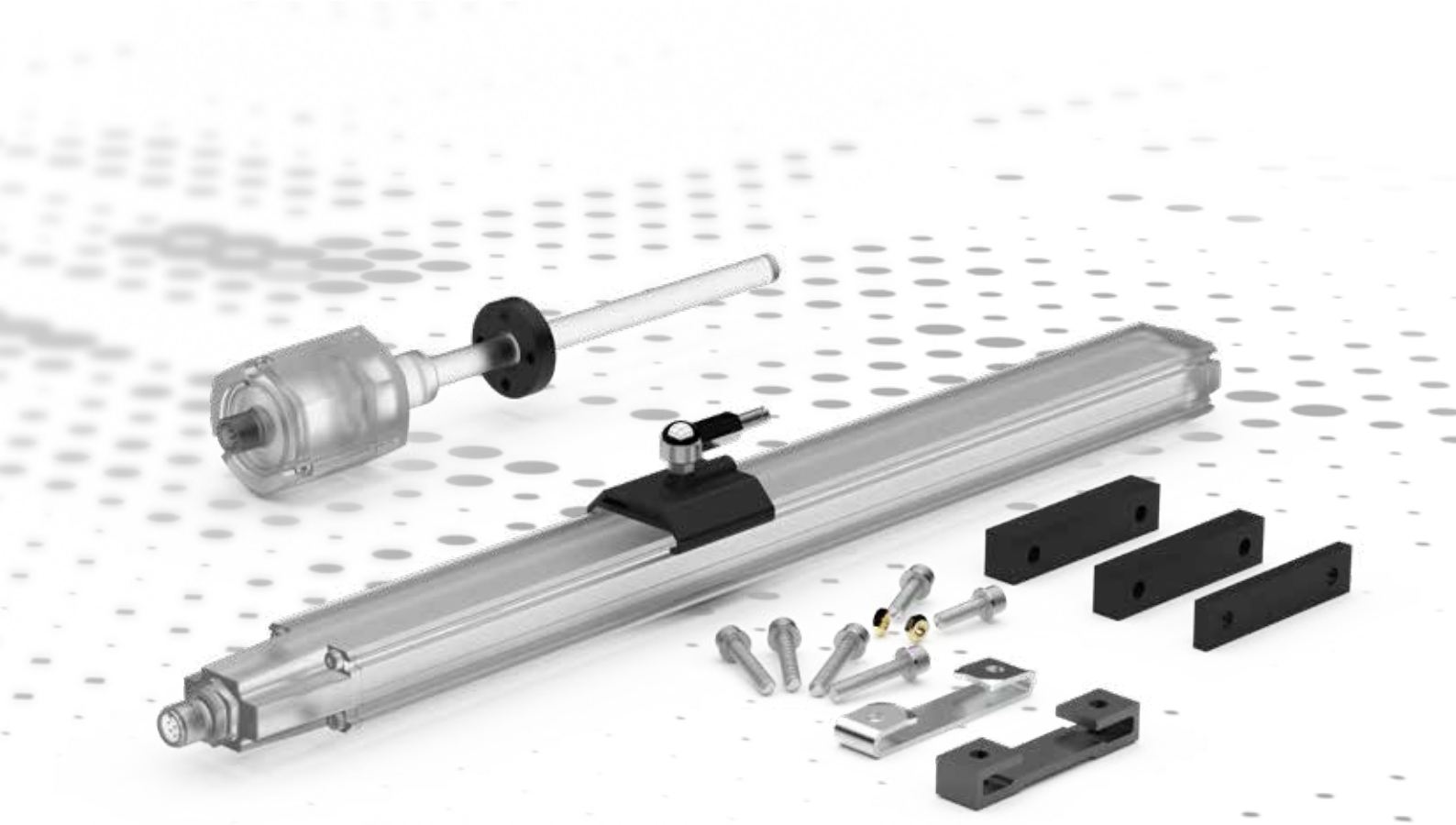
Mechanical Accessories

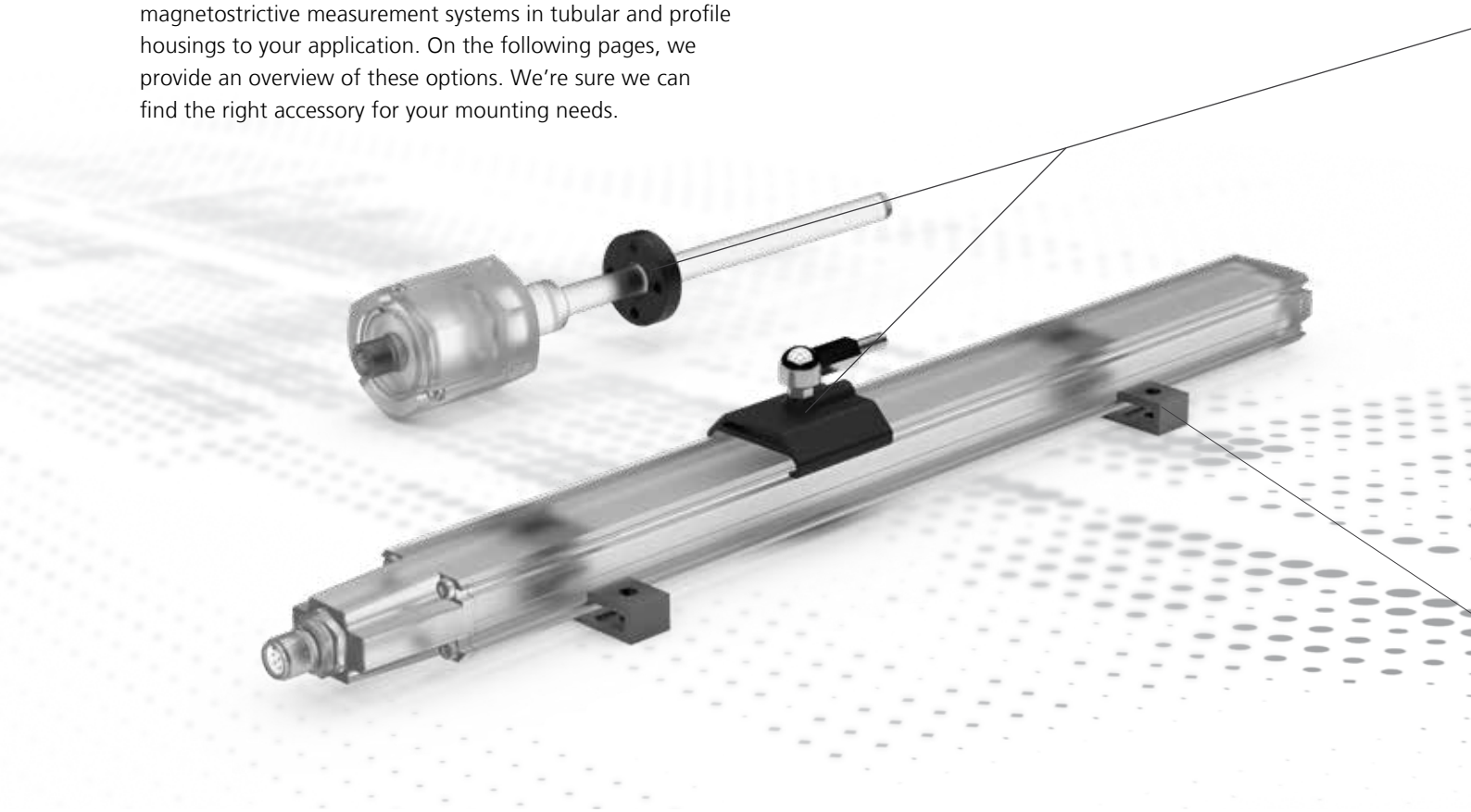
Linear Encoders



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Linear Encoders

Linear encoders can be integrated into a wide variety of installation scenarios. Using magnetic rings, floats, magnetic slides, clamps, and spacers, you can adapt the magnetostrictive measurement systems in tubular and profile housings to your application. On the following pages, we provide an overview of these options. We're sure we can find the right accessory for your mounting needs.



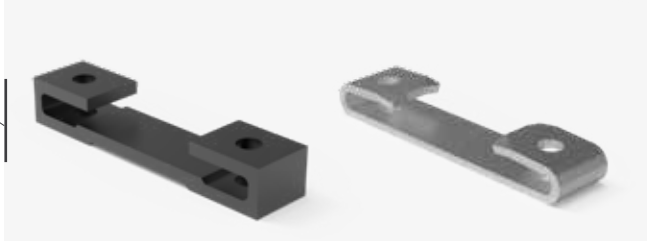
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Magnets

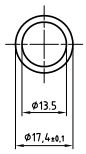
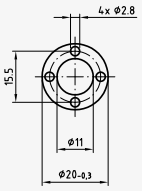
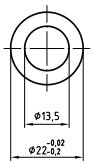
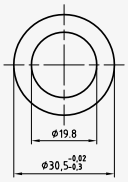
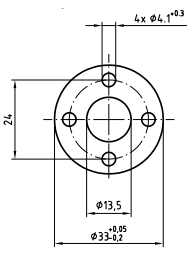


Double clamping

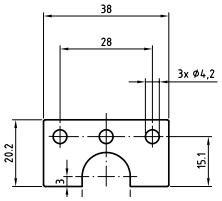
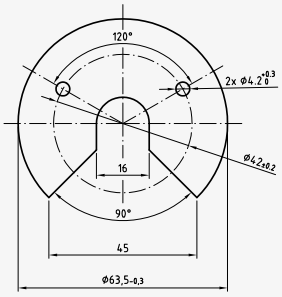
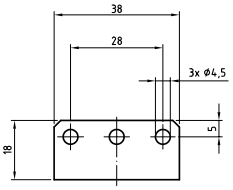
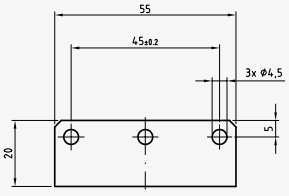
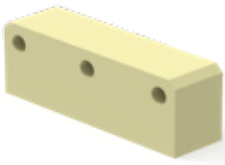
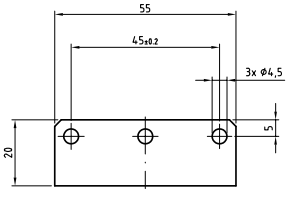


For profile lengths up to 1,250 mm, two double clamps are required; for every additional 500 mm, one additional double clamp is needed.

Magnets

Product	Description	Product Image	Dimensions
Ring magnet 49155025	T4U3820 Material: Plastic Width: 8 mm Fits all pipe types		
Round magnet 49155026	T4-M20 Material: Plastic Width: 8 mm Suitable for all pipe types		
Round magnet 49155005	T4-M22 Material: Plastic Width: 8 mm Suitable for all pipe types		
Round magnet 49115036	T1-M30,5 Material: Plastic Width: 7,6 mm Suitable for all pipe types		
Round magnet 49155016	T4-M33 Material: Plastic Width: 8 mm Suitable for all pipe types		

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Product	Description	Product Image	Dimensions
Open ring magnet 49155003	T4-U3820 Material: Plastic Width: 8 mm Magnet Spacing: $3{,}2^{-2{,}4}$ mm		
Open ring magnet 49155006	T3-U64 Material: Plastic Breite: 8 mm		
Block magnet 49155015	T1-S3818 Material: Plastic Width: 15 mm Magnet Spacing: 3^{-2} mm		
Block magnet 49155009	T1-S5520 Material: Plastic Width: 15 mm Magnet Spacing: 3^{-2} mm		
Block magnet 49155032	T2-S5520N Material: Plastic (beige) Width: 15 mm Magnet Spacing: 10^{-5} mm		

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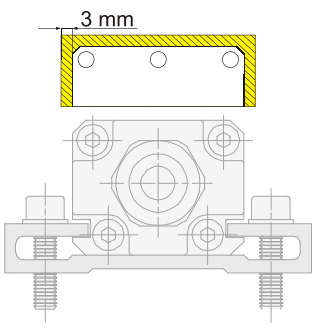
Magnetic Mount (Brass)

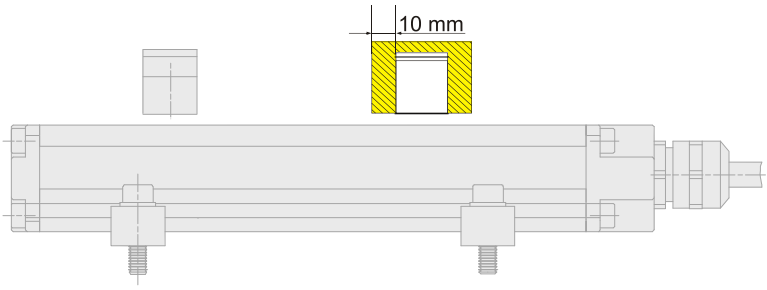
Product	Description	Product Image
Screw 27035004	Cylindrical Screw DIN 84 M4×20 ms Material: Brass	
Cylindrical Screw 27035008	Cylindrical Screw DIN 84 M4×25 ms Material: Brass	
Washers 29001049	Washers ISO 7090 M4 ms Material: Brass	
Hex nut 28000013	Hex nut DIN 934 M4 ms Material: Brass	

Magnet Holder

The mounting hardware for the position sensor must be made of a non-magnetizable material.
If the mounting hardware is nevertheless magnetizable, a spacer made of non-magnetizable material must be provided.

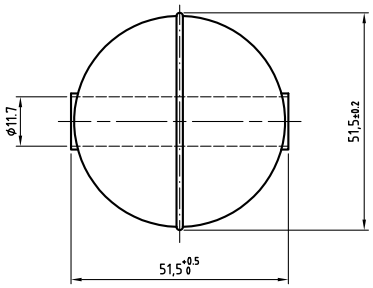
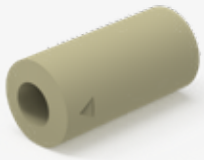
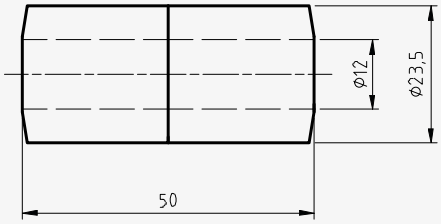
The spacer must be 10 mm thick and at least 3 mm wider than the circumference of the position sensor. The spacer must be installed between the position sensor and its mounting hardware.



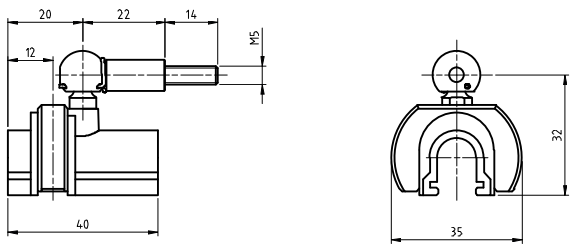
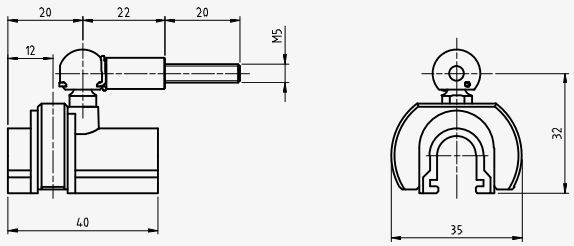
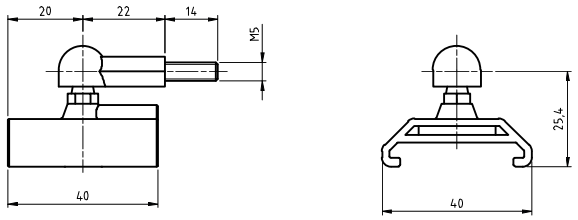
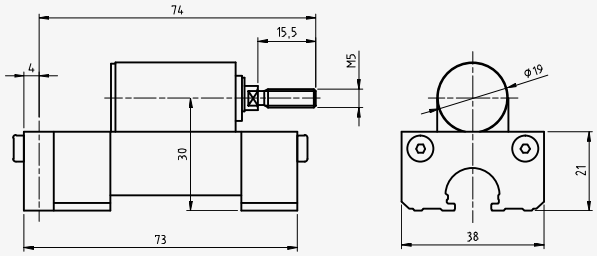
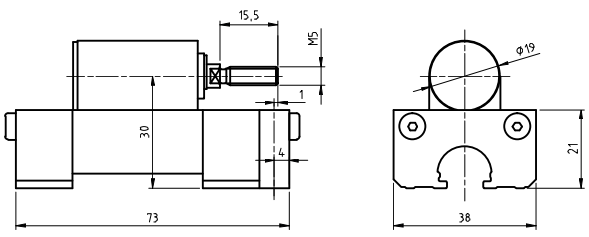


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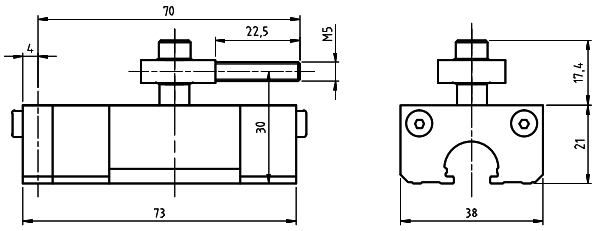
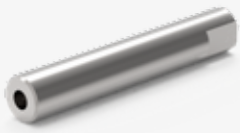
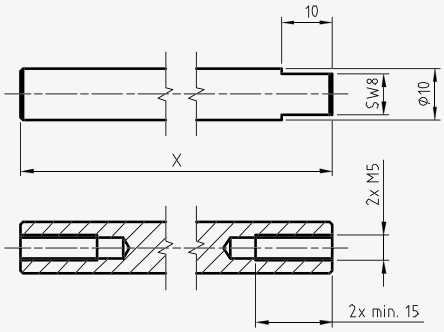
Float

Product	Description	Product Image	Dimensions
Float **49915080**	K4-M51 Suitable for all pipe types		
Float **85915282**	D = 23,5 × 12 × 50 Suitable for all pipe types		

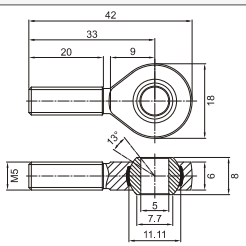
Sliders / Accessories

Product	Description	Product Image	Dimensions
Magnetic Slider with Articulated Head: 85917013	LP46 Slider (M5 × 14) Compatible with LP46/LMPI46/ LMP48		
Magnetic Slider with Articulated Head: 85917039	LP46 Slider (M5 × 20) Compatible with LP46/LMPI46/ LMP48		
Magnetic Slider with Articulated Head: 85917050	LMPS34 Slider Compatible with LMPS34		
Magnetic Slider 85917001	LP38 Slider (Magnet on the Right) Compatible with LP38		
Magnetic Slider 85917015	LP38 Slider (Magnet on the Left) Compatible with LP38		

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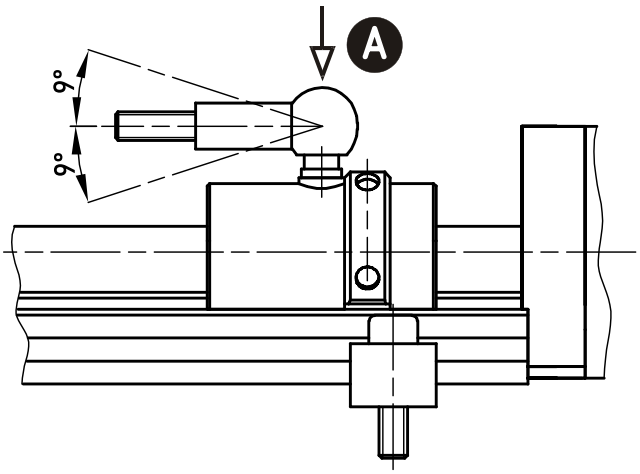
Product	Description	Product Image	Dimensions
Magnetic Slider with Articulated Head: 85917005	LP-38 Slider Compatible with LP38		
Tie Rod 49917__	D = 10 Material: Aluminium ... 026 X= 60 mm --- 022 X=360 mm		

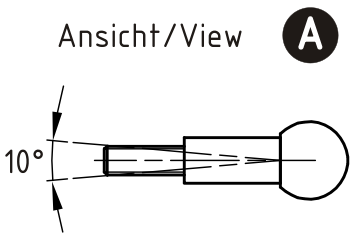
Sleds / Accessories

Product	Description	Product Image	Dimensions
Ball joint 49280002	BEM5 Durbal Material: Stainless steel Compatible with LP38		

Installing the path sensor is relatively simple, since the position sensor does not require mechanical guidance. The measuring carriage's optimal sliding properties complement the non-contact sensing of the measuring position.

To prevent additional wear on the slide guides of the measuring carriage, the specified tolerances (angular and parallel misalignment) must be observed:

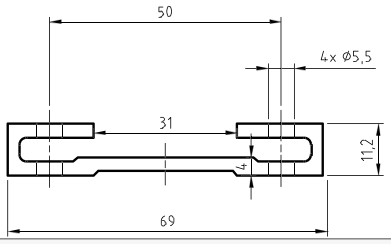
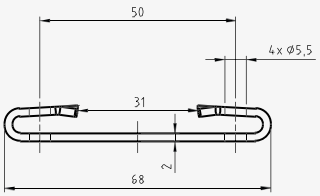




The accuracy of the measured values depends, among other things, on the symmetry of the magnetic field geometry.
In the case of the profile system without a measuring carriage, this means that the position sensor must be aligned precisely with the measuring system – axially and vertically.
The maximum permissible distance between the position sensor and the profile housing must not be exceeded.

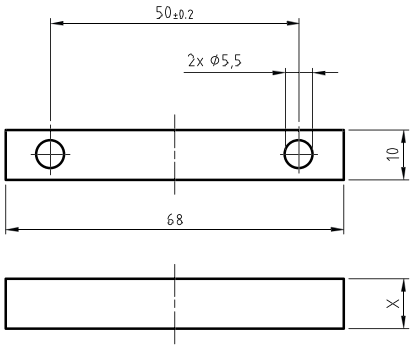
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Profile Mounting

Product	Description	Product Image	Dimensions
Double clamping 49917001	Material: Aluminium Width: 15 mm Compatible with LMP30, LMPS34, LP38, LP46, LMPI46, LMP48		
Double clamping 49917057	Material: Stainless steel Width: 15 mm Compatible with LMP30, LMPS34, LP38, LP46, LMPI46, LMP48		
Kit: 85917002	Material: Aluminum Width: 15 mm Compatible with LMP30, LMPS34, LP38, LP46, LMPI46, LMP48		
Kit: 85917023	Material: Stainless steel Width: 15 mm Compatible with LMP30, LMPS34, LP38, LP46, LMPI46, LMP48		

For profile length up to 1,250 mm, two double clamps are required; for every additional 500 mm, one additional double clamp is needed.

Other Accessories

Product	Description	Product Image	Dimensions
Spacer **49917081** (5 mm) **49917082** (10 mm) **49917083** (12 mm) **49917044** (17 mm)	Material: Aluminum		Item No.: 49917... …081 (X=05 mm), …082 (X=10 mm), …083 (X=12 mm), ... 044 (X = 17mm) 
Kit **85917018**	Height Adjustment LP38 for Replacement Unit LP46/LMPI46 _2 × Double Clamp 49917001 _2 × Spacer 49917044 _4 × Cylindrical Screw ISO 4762 M5 × 35 _4 × U-Washer ISO 7090 M5 _2 × cylindrical head screw DIN 84 M4 × 25 ms _2 × U-washer ISO 7090 M4 ms _2 × hex nut with hexagonal head DIN 934 M4 ms passend für LP46/LMPI46		

Further product information

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2. Searchfield (top right) on www.tr-electronic.com



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