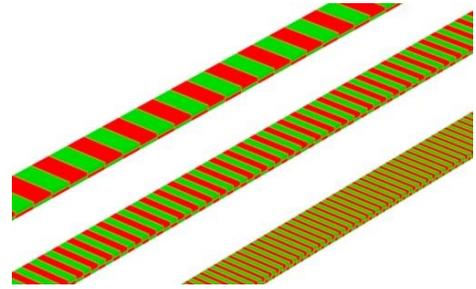




Datasheet

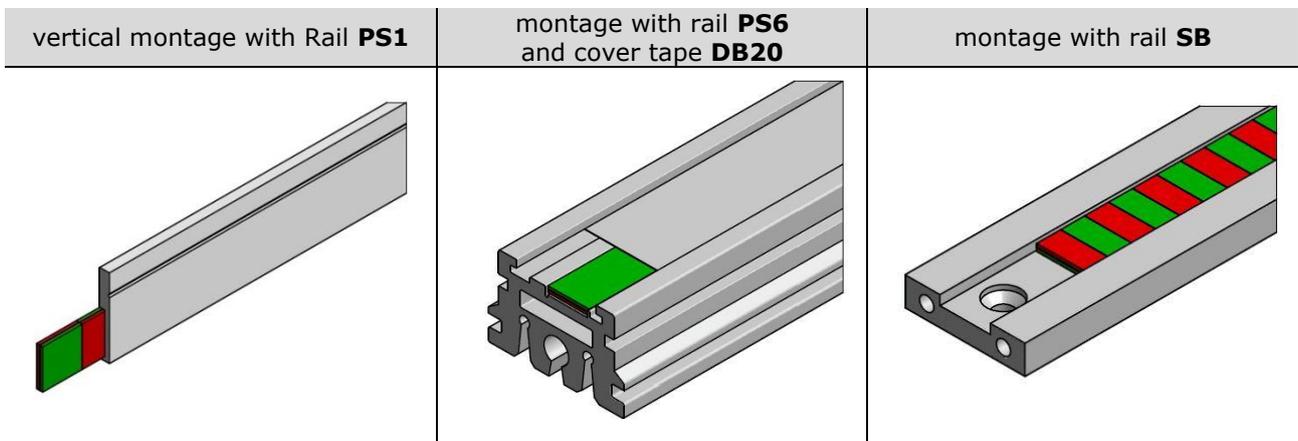
- Insensitive to oil, humidity, dust and shavings
- Wear free
- Very precise
- Cost-effective solution
- Variable lengths
- Easy mounting
(easy mounting with already attached double sided adhesive tape)



Mechanical Data

Dimensions			
Width	magnetic scale	10 mm +0,2	
Thickness	magnetic scale	1,55 mm ±0,1	
	cover tape	DB01: 0,15 mm / DB20: 0,15 mm / DB50: 0,45 mm	
Length		ca. < 48 m	
Material			
	magnetic scale	plastic with Barium-Strontium Particles; stainless steel	
	cover tape	Stainless steel	
	rail	Aluminium	
Weight			
	magnetic scale	70 g/m	
	cover tape	25 g/m	
Pole Pitch [mm]		1+1	2+2
			5+5
Accuracy		3; 5; 8; 10; 18 µm	30; 15 µm
			18; 36 µm
Cover Tape		DB01 / DB20	
			DB50 / DB20
Temperature Coefficient		11± µm/K	
Magnetic Remanence		> 240 mT	
Reference Point		on specification	
Operating Temperature		-40 °C to +80 °C	
IP-Rating		IP67	
Accessories			
Rail		PS1, PS5, PS6, SB	

Sample Applications

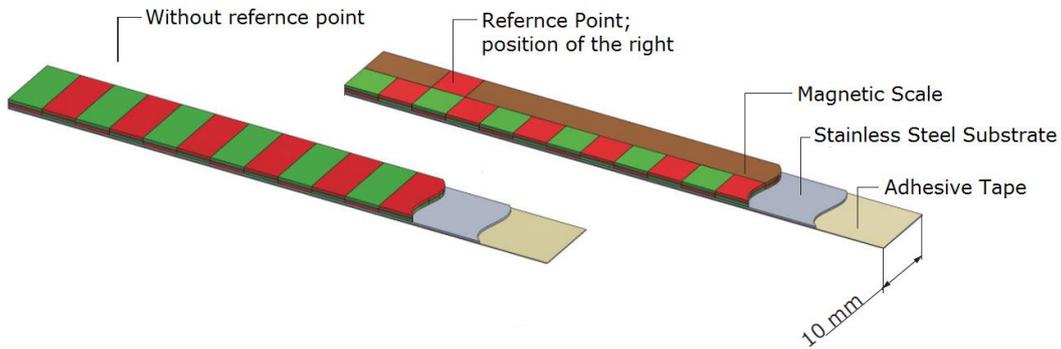




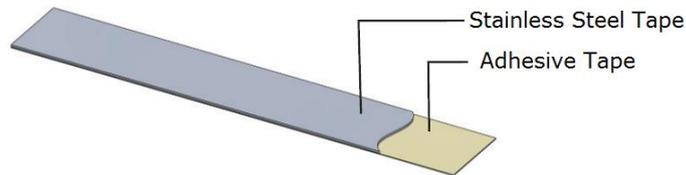
Datasheet

Dimensions

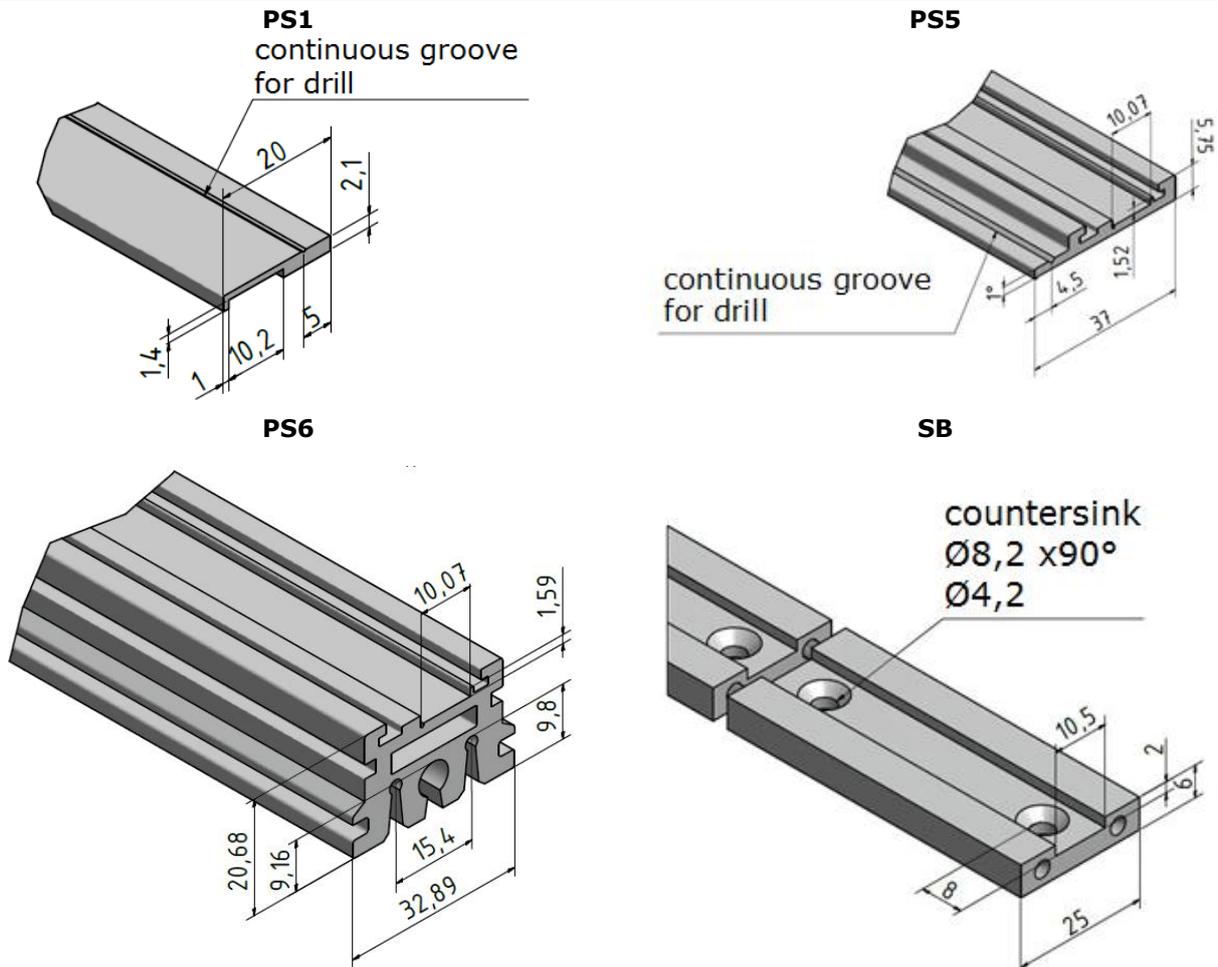
Magnetic Scale



Cover Tape



Rail





Datasheet

Ordering Example

Magnetic Scale

Type	PM1	-	18	-	1000	-	0	-	DB01
Pole Pitch [mm]	1; 2; 5								
Accuracy	<ul style="list-style-type: none"> 3 = 3 µm (max. 1000 mm) 5 = 5 µm 8 = 8 µm 10 = 10 µm 15 = 15 µm 18 = 18 µm 30 = 30 µm 36 = 36 µm 								
Measuring Length	The entered amount should be on each side 40 mm longer than the desired measuring length Length in mm for PM1; PM2 Length in m for PM5								
Reference Point [mm]	<ul style="list-style-type: none"> 0 = without S50 = fix; Specifying position of the right SA50 = periodically; Specifying position of the right 								
Cover Tape	<ul style="list-style-type: none"> 0 = without DB01 = for PM1 and PM2 DB50 = for PM5 DB20 = with Rail PS5; PS6 								

Rail

Type	PS1	-	1,0
PS1	= Pole Pitch > 5+5 mm		
PS5	= incl. cover tape DB20		
PS6	= incl. cover tape DB20		
SB	=		
Measuring Length [m]			

Cover Tape (for a later ordering)

Type	DB01	-	1,0
DB01	= for PM1 and PM2		
DB20	= for PS5 and PS6		
DB50	= for PM5		
Measuring Length [m]			