

## Features

- *Measuring range 270 mm*
- *8pin M16 Round Connector*
- *For press brake / advanced design*
- *Fully symmetrical design Left & Right*
- *5  $\mu$ m resolution*
- *Linedriver signal out*
- *A, A', B, B', Z, Z' channels*
- *5VDC Supply Voltage*
- *$\pm 20 \mu$ m accuracy*
- *Adjustable reference point*
- *LED status indicators*

## RS PRO Motion Control Sensors

RS Stock No.: 0359011

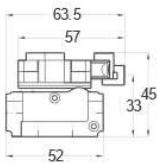
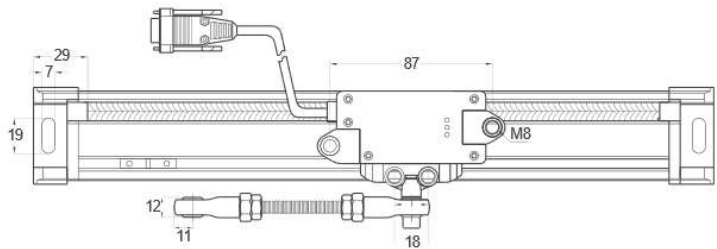
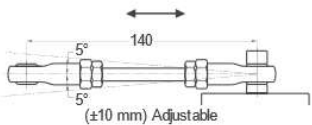
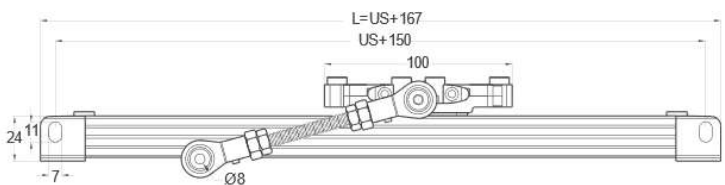


RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

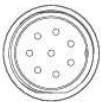
Product Description

*This product specially designed for press brakes as high robust, accurate linear scale, using magnetic technology, up to 270 mm measuring length. This linear scale provides incremental displacement measurement for press brake machines.*

Mechanical Specifications



MPS (mm)	120	150	170	220	270	320	370	420	470	520	570	620	670	720
US (Useful stroke)	120	150	170	220	270	320	370	420	470	520	570	620	670	720
MS (Mechanical stroke)	148.5	178.5	198.5	248.5	298.5	348.5	398.5	448.5	498.5	548.5	598.5	648.5	698.5	748.5
L (Total stroke)	287	317	337	387	437	487	537	587	637	687	737	787	837	887



**C80 Type Electrical Connections**  
Pin 1 : Ch A  
Pin 2 : GND  
Pin 3 : Ch Z inv.  
Pin 4 : Ch Z  
Pin 5 : Ch B inv.  
Pin 6 : Ch B  
Pin 7 : Ch A inv.  
Pin 8 : +V

## General Specifications

Encoder Technology	Press Brake Scale Magnetic
Stroke	270 mm
Resolution	5 µm (4x mode)
Type of measurement	Magnetic incremental non-contact
Repeatability	±5 µm
Accuracy	Up to ±20 µm
Output channels	A, A', B, B', Z, Z'
Output Signal Type	Linedriver
Supply Voltage	5 VDC
Power consumption (without load)	<40 mA (24 VDC)
Electrical connections	8pin M16 Round Connector
Displacement speed	<3 m/s
Case material	Anodized aluminium
IP Rating	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

## Approvals

Declarations	CE, UKCA, ROHS, REACH
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## Similar Products

RS PRO Part Number	Stroke	Resolution	Output Signal Type	Supply Voltage	Reference	Connector / Cable
0359008	220 mm	5 microns	5Vdc, Line Driver	5V dc	Adjustable in 10mm scale	M16, 8 pin round type connector
0359007	220 mm	5 microns	5Vdc, Line Driver	5V dc	Adjustable in 10mm scale	DB9 connector with 1 m cable
0359010	270 mm	5 microns	5Vdc, Line Driver	5V dc	Adjustable in 10mm scale	G type electrical connection with 1 meter cable
0359013	320 mm	5 microns	5Vdc, Line Driver	5V dc	Adjustable in 10mm scale	M16, 8 pin round type connector