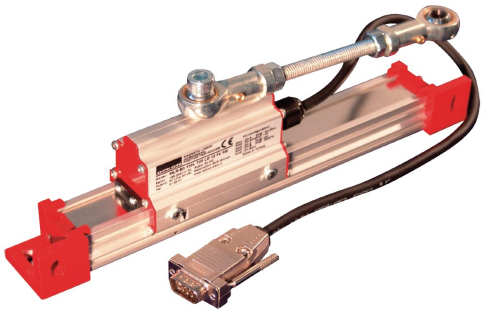
Linear Magnetic Incremental Encoder



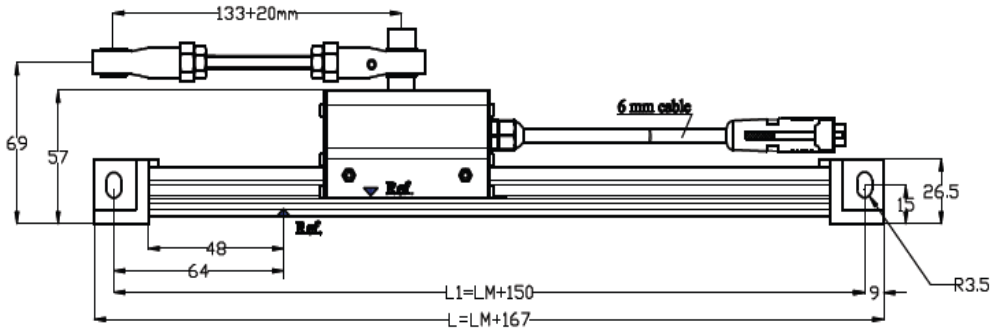
- CNC PRESS BRAKES
- BENDING MACHINES
- AUTOMATION APPLICATIONS

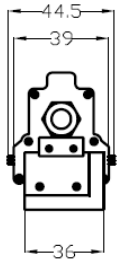
Main Applications

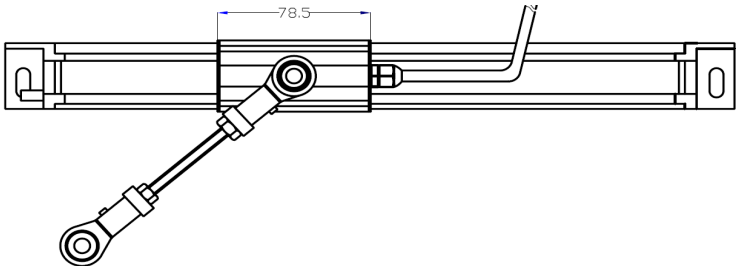
CNC Press Brakes, Bending Machines, Automation Applications
Packing Machines (liquid injection machines)

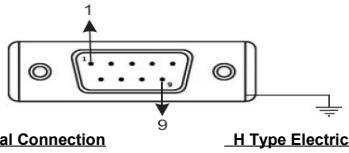
Specifications

Type of measurement	Magnetic incremental contactless
Measurement strokes	150-170-220-270-320-370-420-470-520-570-620-670-720
Resolution	0.02mm (20 micron), 0.08mm (80 micron), 0.1mm (100 micron)
Output signals	A, B – AA', BB' – Z(A,B,Z) – Z'(AA',BB',ZZ')
Output signal type	TTL, Totem Pole (push-pull), Line Driver(LD) or High Line Driver(HLD)
Supply voltage	8-24 VDC, 5 VDC or 5-30 VDC
Case material	Anodized aluminium / plastic
Max. speed	2 m/s
Working temperature	-20 ºC …. + 80 ºC
Protection	IP 66
Electrical connection	2,5 meter cable or 0,5 meter cable with DB9 connector









G Type Electrical Connection

Pin 1:	Ch A
Pin 2:	Ch A inv.
Pin 3:	Ch Z
Pin 4:	Ch B
Pin 5:	Ch B inv.
Pin 6:	Ch Z inv.
Pin 7:	+V
Pin 8:	GND
Pin 9:	Earth

H Type Electrical Connection

Pin 1:	Ch Z
Pin 2:	Ch B
Pin 3:	Ch A
Pin 4:	N.C
Pin 5:	GND
Pin 6:	Ch Z inv.
Pin 7:	Ch B inv.
Pin 8:	Ch A inv.
Pin 9:	+V

Ordering Procedure

MLR	B	5	320R	T20	LD	Z	V1	9H
Model	*Mechanical Connection*	*Magnet Type*	*Measurement Stroke*	*Resolution*	*Output type*	*Output signal*	*Supply voltage*	*Connection*
	A: Mechanical connection on the side (Standard) B: Mechanical connection on upper part C: Mechanical connection both on the side and upper part	5: 5mm magnet (Standard) 2: 2mm magnet	Up to 720 mm 320R: 320mm Righ 320L: 320mm Left	20 micron 50 micron 80 micron 100 micron	TP: Totempole TT: TTL LD: Line Driver HLD: High Line Driver	B: A, B (standard) **Z*:** A, B, Z (for LD and HLD, B and Z are with their inverses)	V1: 5V DC (for TT or LD) V2: 8-24V DC (for TP) V3: 5-30V DC (for HLD)	9G or 9H: 0,5 meter cable with 9 pin connector (Standard) or 2M5: 2,5 meter cable

Z*: Z appoints reference point

1Z: Single reference located at ball joint edge of the measurement stroke
2Z: Single reference located at cable edge of the measurement stroke
3Z: Single reference located in the middle of the measurement stroke