

## MD-36 Speed Sensors

Product designation	Order No.
<b>MD-36 Speed Sensors,</b> High resolution shaft driven speed sensor, use with MUS or MSI belt scale, Bend pulley, tail pulley or snub pulley mounted.	<b>7MH7132</b> 
<u>Model</u> MD-36A, CE approved MD-36 with CE & CSA Class II approval, 36 pulses per revolution MD-2000A, not CE compliant, 2048 pulses per revolution MD-36 IS, CE, 36 pulses/revolution, II 2 G, EEx ia IIC and Class I, Div 1, Groups A, B, C & D, Class II Div. 1, Groups E, F & G (MD-36 IS requires IS switch isolator to interface with belt scale integrator)	1 2 3 4
<u>Enclosure</u> cast aluminium, 1/2" NPT connection Stainless steel, 304/1.4301, cable connector for 3 to 9mm cable	A B
<u>Coating</u> without with Epoxy paint, available for cast aluminium enclosure <b>only</b>	A B
<u>Circuit board</u> standard conformal coating (tropical package), not available for MD-36 IS	1 2

<u>Instruction manual for Speed Sensors</u>	<u>Order number</u>
English., for MD-36A/MD-36	7ML1998-5DB01
Spanish, for MD-36A/MD-36	7ML1998-5DB21
German, for MD-36A/MD-36	7ML1998-5DB31
MD-2000A, English	7ML1998-1EC01

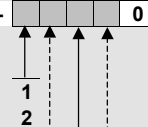
Note: The instruction manual should be ordered as a separate line on the order.

<u>Optional Equipment</u>	<u>Order number</u>
P & F IS, switch isolator, 115 VAC, required with MD-36 IS	PBD-51035295
P & F IS, switch isolator, 230 VAC, required with MD-36 IS	PBD-51035296
<u>Spare parts</u>	<u>Order number</u>
MD-36 bearing housing assembly	PBD-23250099
MD-36 Stainless steel bearing housing assembly	PBD-A3250101
MD-36A/MD-2000A bearing housing assembly	PBD-23250147
MD-2000A stainless steel bearing housing assembly	PBD-20300088
MD-36A/MD-36 circuit card	PBD-51016921
MD-36A/MD-36 toothed disc	PBD-20300075
MD-2000A circuit card, without encoder	PBD-51026003
MD-2000A encoder	PBD-20300084
Switch, inductive, SJ3.5-N for MD-36 IS	PBD-51035297
Tension Spring	PBD-25700025

# Configuration List

Effective Feb. 1, 2004

## Bend Pulley, 4.5" and 6" diameter

Product designation	Order No.
<b>Bend Pulley, 4.5" and 6" diameter,</b> Belt driven pulley for MD-36 Series speed sensors.	<b>7MH7170</b> - 
	<div style="display: flex; flex-direction: column;"> <div style="margin-bottom: 5px;"> <u>Size</u> </div> <div style="margin-bottom: 5px;">           4.5" diameter self cleaning         </div> <div style="margin-bottom: 5px;">           6" diameter         </div> <div style="margin-bottom: 5px;"> <u>Belt width / 'A' dimension</u> </div> <div style="margin-bottom: 5px;">           18"/27", 20"/29", 500mm/740mm         </div> <div style="margin-bottom: 5px;">           24"/33", 650mm/890mm         </div> <div style="margin-bottom: 5px;">           30"/39", 800mm/1040mm         </div> <div style="margin-bottom: 5px;">           800mm/1090mm         </div> <div style="margin-bottom: 5px;">           36"/45"         </div> <div style="margin-bottom: 5px;">           1000mm/1240mm         </div> <div style="margin-bottom: 5px;">           42"/ 51", 1000mm/1290mm         </div> <div style="margin-bottom: 5px;">           48"/57", 1200mm/1450mm         </div> <div style="margin-bottom: 5px;">           1200mm / 1540mm         </div> <div style="margin-bottom: 5px;">           54"/63", 1400mm/1650mm, for 6" diameter <b>only</b> </div> <div style="margin-bottom: 5px;">           60"/69", 1400mm/1740mm, for 6" diameter <b>only</b> </div> <div style="margin-bottom: 5px;">           66" / 75", for 6" diameter <b>only</b> </div> <div style="margin-bottom: 5px;"> <u>Finish</u> </div> <div style="margin-bottom: 5px;">           standard, painted mild steel         </div> <div style="margin-bottom: 5px;">           316 stainless steel <sup>1)</sup> </div> <div style="margin-bottom: 5px;">           316 stainless steel with corrosion resistant bearings <sup>1)</sup> </div> <div style="margin-bottom: 5px;">           epoxy painted, for 6" diameter models <b>only</b> </div> <div style="margin-bottom: 5px;">           epoxy painted with corrosion resistant bearings,            for 6" diameter models <b>only</b> </div> <div style="margin-bottom: 5px;"> <u>Bearings</u> </div> <div style="margin-bottom: 5px;">           standard size         </div> <div style="margin-bottom: 5px;">           metric size         </div> <div style="margin-bottom: 5px;">           no bearings         </div> </div>
<p><sup>1)</sup> On 4.5" diameter models only the shaft is 316 stainless steel</p>	

### Instruction manual

English

### Order number

7ML1998-5DE01

Note: The instruction manual should be ordered as a separate line on the order.

# Configuration List

Effective Feb. 1, 2004

## Bend Pulley, 6" diameter with 1/4" lagging

Product designation	Order No.
<b>Bend Pulley, 6" diameter with 1/4" lagging</b> Belt driven pulley for MD-36 Series speed sensors. The lagging offers self-cleaning advantages and ensures positive rotation.	<b>7MH7171</b> 
<u>Size</u> 6" diameter with 1/4" lagging	
<u>Belt width / 'A' dimension</u> 18"/27", 20"/29", 500mm/740mm 24"/33", 650mm/890mm 30"/39", 800mm/1040mm 800mm/1090mm 36"/45" 1000mm/1240mm 42"/ 51", 1000mm/1290mm 48"/57", 1200mm/1450mm 1200mm / 1540mm 54"/63", 1400mm/1650mm 60"/69", 1400mm/1740mm 66" / 75"	A B C D E F G H J K L M
<u>Finish</u> standard, painted mild steel 316 stainless steel 316 stainless steel with corrosion resistant bearings	A B C
<u>Bearings</u> standard size metric size no bearings	0 1 2

<u>Instruction manual</u>	Order number
English	7ML1998-5DE01

Note: The instruction manual should be ordered as a separate line on the order.

# Configuration List

Effective Feb. 1, 2004

## Bend Pulley, 8" diameter

Product designation	Order No.							
<b>Bend Pulley, 8" diameter,</b> Belt driven pulley for MD-36 Series speed sensors.	<b>7MH7172</b>							
<u>Size</u> 8" diameter	- <table style="display: inline-table; border-collapse: collapse;"><tr><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;"> </td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;"> </td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;"> </td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;"> </td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;"> </td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;"> </td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">0</td></tr></table>							0
						0		
<u>Belt width / 'A' dimension</u> 48"/57" 1200mm / 1540mm 54"/63", 1400mm/1650mm 60"/69", 1400mm/1740mm 66"/75", 1600mm/1900mm, 1600mm/1940mm 72"/81", 1800mm/2100mm 1800mm/2140mm 2000mm/2300mm, 2000mm/2340mm	4 ↑ H J K L M N P Q							
<u>Finish</u> standard, painted mild steel 316 stainless steel 316 stainless steel with corrosion resistant bearings epoxy painted epoxy painted with corrosion resistant bearings	A B C D E							
<u>Bearings</u> standard size metric size no bearings	0 1 2							

<u>Instruction manual</u> English	<u>Order number</u> 7ML1998-5DE01
--------------------------------------	--------------------------------------

Note: The instruction manual should be ordered as a separate line on the order.

# Configuration List

Effective Feb. 1, 2004

## Bend Pulley, 8" diameter with 1/4" lagging

Product designation	Order No.
<b>Bend Pulley, 8" diameter with 1/4" lagging</b> Belt driven pulley for MD-36 Series speed sensors. The lagging offers self-cleaning advantages and ensures positive rotation.	<b>7MH7173</b> 
<u>Size</u>	
8" diameter with 1/4" lagging	
<u>Belt width / 'A' dimension</u>	
48"/57"	H
1200mm / 1540mm	J
54"/63", 1400mm/1650mm	K
60"/69", 1400mm/1740mm	L
66"/75", 1600mm/1900mm, 1600mm/1940mm	M
72"/81", 1800mm/2100mm	N
1800mm/2140mm	P
2000mm/2300mm, 2000mm/2340mm	Q
<u>Finish</u>	
standard, painted mild steel	A
316 stainless steel	B
316 stainless steel with corrosion resistant bearings	C
<u>Bearings</u>	
standard size	0
metric size	1
no bearings	2

<u>Instruction manual</u>	<u>Order number</u>
English	7ML1998-5DE01

Note: The instruction manual should be ordered as a separate line on the order.