

# Velmex Encoder Selection

## Rotary Encoder Selection for UniSlides®, BiSlides®, XSlide™ and Rotary Tables

Linear Assemblies					
	Encoder CPR --->	100	200	400	500
	(Counts Per Revolution)				
Leadscrew Code		Encoder Resolution** (inches/mm)			
<b>C / P40</b>	0.0025 in/rev	<b>0.000025</b>	0.0000125	0.000006	0.000005
	mm/rev	0.000635	0.0003175	0.000152	0.000127
<b>B / P20</b>	0.050 in/rev	0.000500	0.000250	0.000125	<b>0.000100</b>
		0.012700	0.006350	0.003175	0.002540
<b>W1 / P10 / E01</b>	0.100 in/rev	<b>0.001000</b>	0.000500	0.000250	0.000200
		0.025400	0.012700	0.006350	0.005080
<b>W2 / P5</b>	0.200 in/rev	0.002000	<b>0.001000</b>	0.000500	0.000400
		0.050800	0.025400	0.012700	0.010160
<b>W4 / P2.5 / E04</b>	0.400 in/rev	0.004000	0.002000	<b>0.001000</b>	0.000800
		0.101600	0.050800	0.025400	0.020320
<b>K1 / Q1 / M01</b>	1.00 mm/rev	<b>0.010000</b>	0.005000	0.002500	0.002000
	in/rev	0.000394	0.000197	0.000098	0.000079
<b>K2 / Q2 / M02</b>	2.00 mm/rev	0.020000	<b>0.010000</b>	0.005000	0.004000
	in/rev	0.000787	0.000394	0.000196	0.000157
	Encoder CPR --->	100	200	400	500
Rotary Tables	(Counts Per Revolution)				
Model		Encoder Resolution (in degrees)			
<b>B4818TS</b>	20 deg/turn*	0.200000	<b>0.100000</b>	0.050000	0.040000
<b>B4836TS</b>	10 deg/turn*	<b>0.100000</b>	0.050000	0.025000	0.020000
<b>B4872TS</b>	5 deg/turn*	0.050000	0.025000	0.012500	<b>0.010000</b>
<b>B5990TS</b>	4 deg/turn*	0.040000	0.020000	<b>0.010000</b>	0.008000
* deg/turn of input shaft					
*Suggested Encoder Resolution in <b>BOLD</b> Type					



Positioning Systems for Science and Industry

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