

Universal  
linear encoder  
**LS 704**

Slimline  
linear encoder  
**LS 403**

Fully sealed  
linear encoder  
**ULS 300**

$\pm 5$ or $\pm 3 \mu\text{m}^*$ ( $\pm 0.00020$ or $\pm 0.00012$ in.)* <small>* up to 1240 mm (48.82 in.) only</small>	$\pm 5$ or $\pm 3 \mu\text{m}^*$ ( $\pm 0.00020$ or $\pm 0.00012$ in.)* <small>* up to 1240 mm (48.82 in.) only</small>	$\pm 3$ or $\pm 2 \mu\text{m}^*$ ( $\pm 0.00012$ or $\pm 0.00008$ in.)* <small>only 170 (6.64 in.) and 270 mm (10.63 in.)</small>
170/220/270/320/370/420/470/520/ 620/720/770/820/920/1020/1140/1240/ 1340/1440/1540/1640/1740/1840/2040/ 2240/2440/2640/2840/3040 mm  (6.69/8.66/10.63/12.60/14.56/16.54/ 18.50/20.47/24.41/28.34/30.31/32.28/ 36.22/40.15/44.88/48.82/52.76/56.69/ 60.63/64.57/68.50/72.44/80.31/88.19/ 96.06/103.94/111.81/119.69 in.)	70/120/170/220/270/320/370/420/470/ 520/570/620 (2.76/4.72/6.69/8.66/ 10.63/12.60/ 14.56/16.54/18.50/20.47/ 22.44 in.) <i>Mounting spar recommended:</i> 670/720/770/820/920/ 1020/1140/ 1240 mm (26.38/28.34/30.31/ 32.28/ 36.22/40.15/44.88/48.82 in.) <i>Mounting spar required:</i> 1340/1440/1540/1640/1740/1840/ 2040 mm (52.76/56.69/60.63/64.57/ 68.50/72.44/80.31/88.19/96.06/ 103.94/111.81/119.69 in.)	170/270/370/520 mm (6.69/10.63/14.56/20.47 in.)
one reference mark at center  <b>LS 704C</b>	<i>Measuring length 70 mm (2.7 in.):</i> one reference mark at the center <i>Measuring lengths 120... 1020 mm</i> (4.7... 40.1 in.) two ref. marks each 35 mm (1.38 in.) from the ends <i>Measuring lengths 1140... 2040 mm</i> (44.9... 80.3 in.): two ref. marks each 45 mm (1.77 in.) from the ends <b>LS 403C</b>	one reference mark at the center  <b>ULS 300C</b>
one or more reference marks every 50 mm (2 in), starting at the center	one reference mark at the center one ref. mark at any specified location	one reference mark at any specified location
		max. 30 m/min (100 ft/min)
		IP 64 to IEC 529 IP 67 with air purge
		Flange socket
0.7 kg + 2 kg/m (1.5 lb + 1.3 lb/ft) measuring length	0.1 kg + 0.5 kg/m (0.22 lb + 0.33 lb/ft) meas. length/with mounting spar + 0.4 kg/m (0.27 lb/ft)	1.25 kg + 0.15 kg/100 mm (2.75 lb + 1 lb/ft)

