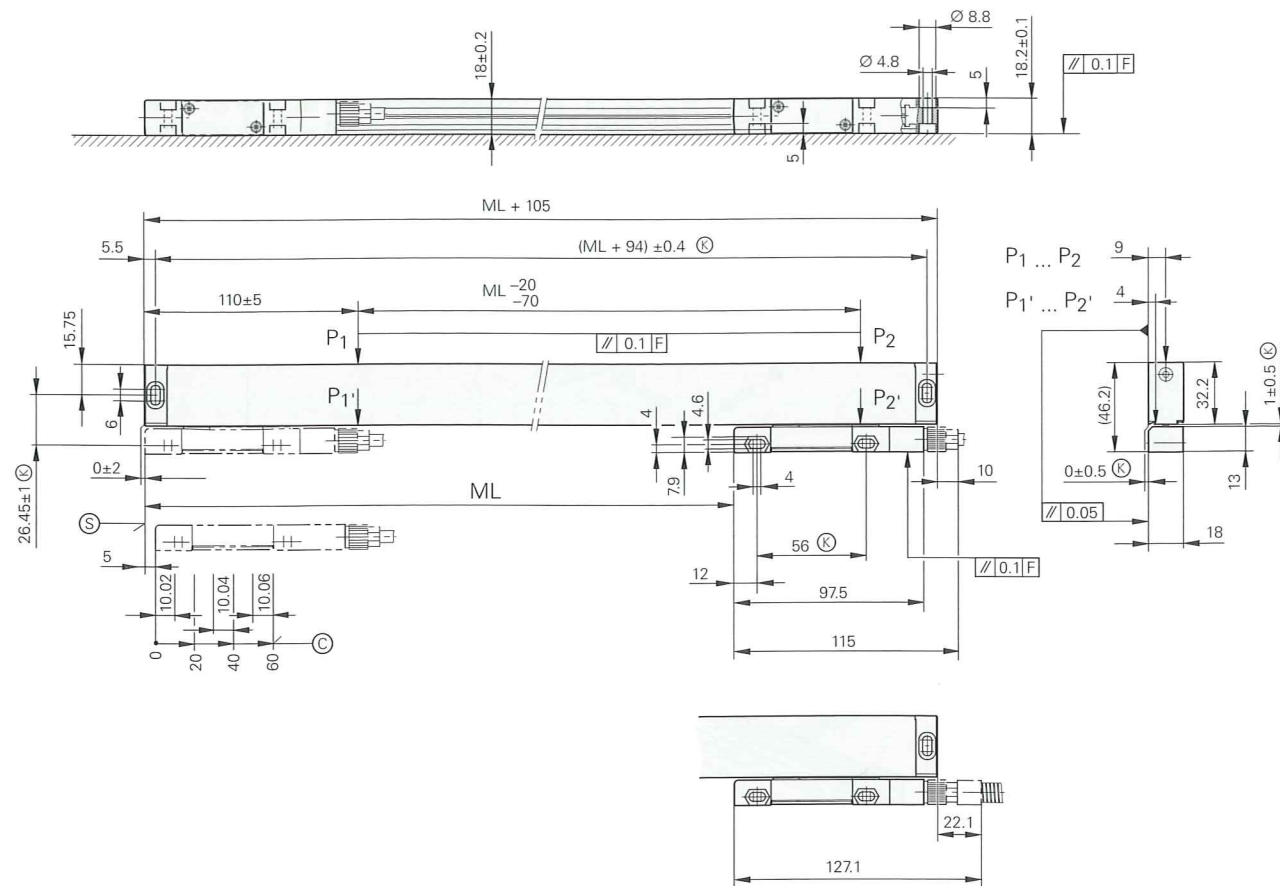
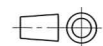


LS 300 Series



Dimensions in mm



Tolerancing ISO 8015
ISO 2768 - m H
< 6 mm: ± 0.2 mm

\odot = Beginning of measuring length (ML)

\odot = Reference mark position

F = Machine guideway

P = Gauging points for alignment

\otimes = Required mating dimensions



Specifications	Incremental																									
	LS 388 C	LS 328 C																								
Measuring standard	Glass scale with DIADUR graduation																									
Accuracy grade	$\pm 10 \mu\text{m}$																									
Measuring length ML*	<table border="1"> <tr> <td>70</td><td>120</td><td>170</td><td>220</td><td>270</td><td>320</td><td>370</td><td>420</td><td>470</td><td>520</td><td>570</td><td>620</td> </tr> <tr> <td>670</td><td>720</td><td>770</td><td>820</td><td>870</td><td>920</td><td>970</td><td>1020</td><td>1140</td><td>1240</td><td></td><td></td> </tr> </table>		70	120	170	220	270	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020	1140	1240		
70	120	170	220	270	320	370	420	470	520	570	620															
670	720	770	820	870	920	970	1020	1140	1240																	
Incremental signals	$\sim 1 V_{pp}$	\square TTL																								
Grating period	20 μm																									
Edge separation a	-	$\leq 5 \mu\text{s}$																								
Reference mark	Distance-coded																									
Recommended measuring step ¹⁾	10 μm , 5 μm																									
Power supply	5 V $\pm 5\%$ / < 100 mA (without load)																									
Electrical connection	Separate adapter cable connectable to mounting block																									
Cable length	≤ 30 m (with HEIDENHAIN cable)																									
Traversing speed	≤ 60 m/min																									
Required moving force	≤ 5 N																									
Vibration 55 to 2000 Hz	$\leq 150 \text{ m/s}^2$ (EN 60068-2-6)																									
Shock 6 ms	$\leq 300 \text{ m/s}^2$ (EN 60068-2-27)																									
Operating temperature	0 °C to 50 °C																									
Protection EN 60529	IP 53 when mounted according to the instructions																									
Weight	0.27 kg + 0.67 kg/m measuring length																									

* Please select when ordering

¹⁾ For position measurement