

**1 DIMENSIONAL MEASUREMENT**

**1 Dimensional**

<b>Parameter</b>	<b>Range</b>	<b>Expanded Uncertainty of Measurement (+/-)</b>	<b>Reference Standard, Method and/or Equipment</b>
<p align="center">Jig, Fixture and Mold, Die <b>X-axis</b></p>	Up to 25 mm	2.7 $\mu\text{m}$	<p align="center">Coordinate Measuring Machine</p>
	(25 to 50) mm	2.8 $\mu\text{m}$	
	(50 to 75) mm	2.9 $\mu\text{m}$	
	(75 to 100) mm	3 $\mu\text{m}$	
	(100 to 125) mm	3.2 $\mu\text{m}$	
	(125 to 150) mm	3.4 $\mu\text{m}$	
	(150 to 175) mm	3.6 $\mu\text{m}$	
	(175 to 200) mm	3.8 $\mu\text{m}$	
	(200 to 250) mm	4.3 $\mu\text{m}$	
	(250 to 300) mm	4.9 $\mu\text{m}$	
	(300 to 400) mm	6 $\mu\text{m}$	
(400 to 500) mm	7.2 $\mu\text{m}$		
(500 to 600) mm	8.5 $\mu\text{m}$		
<p align="center">Jig, Fixture and Mold, Die <b>Y-axis</b></p>	Up to 25 mm	2.7 $\mu\text{m}$	<p align="center">Coordinate Measuring Machine</p>
	(25 to 50) mm	2.8 $\mu\text{m}$	
	(50 to 75) mm	2.9 $\mu\text{m}$	
	(75 to 100) mm	3 $\mu\text{m}$	
	(100 to 125) mm	3.2 $\mu\text{m}$	
	(125 to 150) mm	3.4 $\mu\text{m}$	
	(150 to 175) mm	3.6 $\mu\text{m}$	
	(175 to 200) mm	3.8 $\mu\text{m}$	
	(200 to 250) mm	4.3 $\mu\text{m}$	
	(250 to 300) mm	4.9 $\mu\text{m}$	
	(300 to 400) mm	6 $\mu\text{m}$	
(400 to 500) mm	7.2 $\mu\text{m}$		
(500 to 700) mm	9.8 $\mu\text{m}$		

## 1 Dimensional

Parameter	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Jig, Fixture and Mold, Die Z-axis	Up to 25 mm	2.7 $\mu\text{m}$	Coordinate Measuring Machine
	(25 to 50) mm	2.8 $\mu\text{m}$	
	(50 to 75) mm	2.9 $\mu\text{m}$	
	(75 to 100) mm	3 $\mu\text{m}$	
	(100 to 125) mm	3.2 $\mu\text{m}$	
	(125 to 150) mm	3.4 $\mu\text{m}$	
	(150 to 175) mm	3.6 $\mu\text{m}$	
	(175 to 200) mm	3.8 $\mu\text{m}$	
	(200 to 250) mm	4.3 $\mu\text{m}$	
	(250 to 300) mm	4.9 $\mu\text{m}$	
(300 to 400) mm	6 $\mu\text{m}$		
(400 to 500) mm	7.2 $\mu\text{m}$		