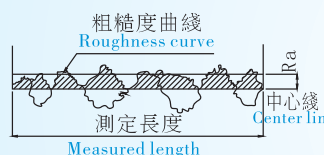
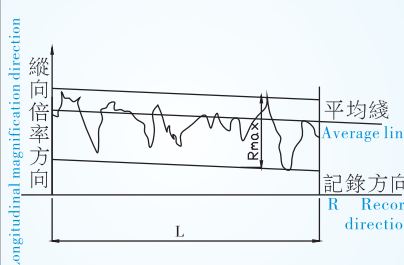
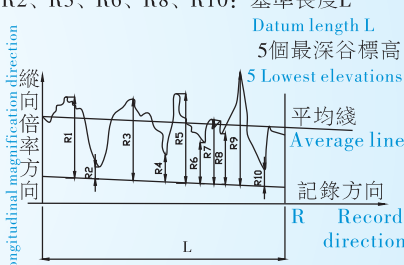


# 表面粗糙度的定義及表示參考

## Definition of surface roughness and expression reference

### ◆.表面粗糙度種類:Type of surface roughness

種類 Type	中心線平均高度 Average height of center line	最大高度 Max. Height	T點平均高度 Average height at Tpoint								
代號 Symbol	Ra	Rmax	Rz								
最大高度的最大 值表示代號 Expression symbol of maximum value of maximum height	a	s	z								
定義 Definition	<p>取粗糙度曲線對中心線的絕對值面積除以基準長度比以微米 (<math>\mu\text{m}</math>) 為單位。通常通過中心線粗糙度測定器可直接讀出。</p> <p>Absolute value area of roughness curve to center line is divided by datum length in <math>\mu\text{m}</math>. Usually it can be directly read out via center line roughness measure.</p> 	<p>將基準長從斷面曲線上抽取一部分，當平行于此部分平均線的兩條直線將此抽取部分變狹時，從曲線縱向倍率方面測量兩直線之間的距離并用微米表示此值。</p> <p>Take a part of datum length from section curve, when the two straight lines parallel with this part of average line make this taken part narrow, measure the distance between two straight lines from curve's longitudinal magnification direction and express this value in <math>\mu\text{m}</math>.</p> 	<p>將位于基準長從斷面曲線上抽取的部分平行于平均線且不橫切斷面直線到從縱倍率方向測量的最高至五個谷底標高平均值之間的差用微米表示。</p> <p>Take a part of datum length from section curve, parallel with mean line but not to crosscut the section, so the difference from the line to the mean value between 5 peak elevations &amp; 5 lowest elevations measured at curve's longitudinal magnification direction and express this value in <math>\mu\text{m}</math>.</p> <p>R1、R3、R5、R7、R9: 基準長度L Datum length L 5個最山頂標高 5 peak elevations R2、R3、R6、R8、R10: 基準長度L Datum length L 5個最深谷標高 5 Lowest elevations</p> 								
標準代號和基準長度及粗糙度區分 Differentiation of standard symbol and datum length & roughness	▽▽▽▽	0.013a	0.8 切斷值3倍以上 Cutting value > 3 times	0.05s	0.25	0.05z	0.25				
		0.025a						0.1s	0.1z		
		0.05a								0.2s	0.2z
		0.1a									
	0.2a	0.8s		0.8z							
	▽▽▽	0.4a		0.8		1.6s		0.8	1.6z		
		0.8a				3.2s			3.2z		
		1.6a				6.3s			6.3z		
	▽▽	3.2a		2.5		12.5s		2.5	12.5z		
		6.3a				25s			25z		
	▽	12.5a		8		50s		8	50z		
		25a				100s			100z		
	-	50a		2.5		200s		25	200z		
		100a				400s			400z		