

Laue class $C_{3i} - \bar{3}$

6. SCANNING TABLES

Trigonal

Laue class $C_{3i} - \bar{3}$
Geometric class $C_3 - 3$

 No. 143 $P3$

$$\mathcal{G} = P3$$

 C_3^1

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group			Scanning group	Linear orbit	Sectional layer group
	a'	b'	d	\mathcal{H}	sd	$\mathcal{L}(\mathbf{sd})$
(0001)	a	b	c	$P3$	sd	$p3$ L65

 No. 144 $P3_1$

$$\mathcal{G} = P3_1$$

 C_3^2

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group			Scanning group	Linear orbit	Sectional layer group
	a'	b'	d	\mathcal{H}	sd	$\mathcal{L}(\mathbf{sd})$
(0001)	a	b	c	$P3_1$	$[\mathbf{sd}, (s + \frac{1}{3})\mathbf{d}, (s + \frac{2}{3})\mathbf{d}]$	$p1$ L01

 No. 145 $P3_2$

$$\mathcal{G} = P3_2$$

 C_3^3

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group			Scanning group	Linear orbit	Sectional layer group
	a'	b'	d	\mathcal{H}	sd	$\mathcal{L}(\mathbf{sd})$
(0001)	a	b	c	$P3_2$	$[\mathbf{sd}, (s + \frac{1}{3})\mathbf{d}, (s + \frac{2}{3})\mathbf{d}]$	$p1$ L01

 No. 146 $R3$

$$\mathcal{G} = R3$$

 C_3^4

Orientation orbit		Conventional basis of the scanning group			Scanning group	Linear orbit	Sectional layer group
HEXAG. AXES (<i>hkl</i>)	RHOMB. AXES (<i>hkl</i>)						
		a'	b'	d	\mathcal{H}	sd	$\mathcal{L}(\mathbf{sd})$
(0001)	(111)	a	b	c	$R3$	$[\mathbf{sd}, (s + \frac{1}{3})\mathbf{d}, (s + \frac{2}{3})\mathbf{d}]$	$p3$ L65