

Laue class $C_{2h} - 2/m$

6. SCANNING TABLES

Monoclinic

Laue class $C_{2h} - 2/m$
Geometric class $C_2 - 112$

 No. 3 $P2$
 C_2^1

$$\mathcal{G} = P121 \quad \text{UNIQUE AXIS } b$$

$$\mathcal{G} = P112 \quad \text{UNIQUE AXIS } c$$

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group a' b' d	Scanning group \mathcal{H}	Linear orbit sd	Sectional layer group $\mathcal{L}(\mathbf{sd})$	
UNIQUE AXIS <i>b</i> (010) UNIQUE AXIS <i>c</i> (001)	c a b a b c	$P112$	sd	$p112$	L03
UNIQUE AXIS <i>b</i> (<i>n0m</i>) UNIQUE AXIS <i>c</i> (<i>mn0</i>)	b $nc - ma$ $pc + qa$ c $na - mb$ $pa + qb$	$P211$	$0\mathbf{d}, \frac{1}{2}\mathbf{d}$ $[\mathbf{sd}, -\mathbf{sd}]$	$p211$ $p1$	L08 L01

 No. 4 $P2_1$
 C_2^2

$$\mathcal{G} = P12_11 \quad \text{UNIQUE AXIS } b$$

$$\mathcal{G} = P112_1 \quad \text{UNIQUE AXIS } c$$

Orientation orbit (<i>hkl</i>)	Conventional basis of the scanning group a' b' d	Scanning group \mathcal{H}	Linear orbit sd	Sectional layer group $\mathcal{L}(\mathbf{sd})$	
UNIQUE AXIS <i>b</i> (010) UNIQUE AXIS <i>c</i> (001)	c a b a b c	$P112_1$	$[\mathbf{sd}, (s + \frac{1}{2})\mathbf{d}]$	$p1$	L01
UNIQUE AXIS <i>b</i> (<i>n0m</i>) UNIQUE AXIS <i>c</i> (<i>mn0</i>)	b $nc - ma$ $pc + qa$ c $na - mb$ $pa + qb$	$P2_111$	$0\mathbf{d}, \frac{1}{2}\mathbf{d}$ $[\mathbf{sd}, -\mathbf{sd}]$	$p2_111$ $p1$	L09 L01