International Tables for Crystallography (2006). Vol. E, Scanning table for space group 3, p. 419.

Laue class C_{2h} – $2/m$

Geometric class C_2 – 112

No. 3 $P2$ C_2^1

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

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

Orientation orbit (hkl)	Conventional basis of the scanning group $\mathbf{a}'$	$\mathbf{b}'$	$\mathbf{d}$	Scanning group $\mathcal{H}$	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$	
UNIQUE AXIS b (010)	$\mathbf{c}$	$\mathbf{a}$	$\mathbf{b}$	$P112$	$s\mathbf{d}$	$p112$	L03
UNIQUE AXIS c (001)	$\mathbf{a}$	$\mathbf{b}$	$\mathbf{c}$				
UNIQUE AXIS b $(n0m)$	$\mathbf{b}$	$n\mathbf{c} - m\mathbf{a}$	$p\mathbf{c} + q\mathbf{a}$	$P211$	$0\mathbf{d}$, $\frac{1}{2}\mathbf{d}$	$p211$	L08
					$[s\mathbf{d}, -s\mathbf{d}]$	$p1$	L01
UNIQUE AXIS c $(mn0)$	$\mathbf{c}$	$n\mathbf{a} - m\mathbf{b}$	$p\mathbf{a} + q\mathbf{b}$				

No. 4 $P2_1$ C_2^2

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

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

Orientation orbit (hkl)	Conventional basis of the scanning group $\mathbf{a}'$	$\mathbf{b}'$	$\mathbf{d}$	Scanning group $\mathcal{H}$	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$	
UNIQUE AXIS b (010)	$\mathbf{c}$	$\mathbf{a}$	$\mathbf{b}$	$P112_1$	$[s\mathbf{d}, (s+\frac{1}{2})\mathbf{d}]$	$p1$	L01
UNIQUE AXIS c (001)	$\mathbf{a}$	$\mathbf{b}$	$\mathbf{c}$				
UNIQUE AXIS b $(n0m)$	$\mathbf{b}$	$n\mathbf{c} - m\mathbf{a}$	$p\mathbf{c} + q\mathbf{a}$	$P2_111$	$0\mathbf{d}$, $\frac{1}{2}\mathbf{d}$	$p2_111$	L09
					$[s\mathbf{d}, -s\mathbf{d}]$	$p1$	L01
UNIQUE AXIS c $(mn0)$	$\mathbf{c}$	$n\mathbf{a} - m\mathbf{b}$	$p\mathbf{a} + q\mathbf{b}$				