$P321$ No. 150 D_3^2

	Axes	Coordinates	Wyckoff positions $1a$	$1b$	$2c$	$2d$	$3e$	$3f$	$6g$
I Maximal *translationengleiche* subgroups									
[2] $P3$ (143)			$1a$	$1a$	$2\times1a$	$1b;1c$	$3d$	$3d$	$2\times3d$
[3] $C121$ (5)	$2\mathbf{a}+\mathbf{b}$, $\mathbf{b}$, $\mathbf{c}$	$\frac{1}{2}x,-\frac{1}{2}x+y,z;$	$2a$	$2b$	$4c$	$4c$	$2a;4c$	$2b;4c$	$3\times4c$
conjugate:	$\mathbf{a}-\mathbf{b}$, $\mathbf{a}+\mathbf{b}$, $\mathbf{c}$	$\frac{1}{2}(x-y),\frac{1}{2}(x+y),z;$							
conjugate:	$\mathbf{a}+2\mathbf{b}$, $-\mathbf{a}$, $\mathbf{c}$	$\frac{1}{2}y,-x+\frac{1}{2}y,z;$							
II Maximal *klassengleiche* subgroups									
Enlarged unit cell, non-isomorphic									
[3] $P3_221$ (154)	$\mathbf{a},\mathbf{b},3\mathbf{c}$	$x,y,\frac{1}{3}z;\pm(0,0,\frac{1}{3})$	$3a$	$3b$	$6c$	$6c$	$3a;6c$	$3b;6c$	$3\times6c$
[3] $P3_121$ (152)	$\mathbf{a},\mathbf{b},3\mathbf{c}$	$x,y,\frac{1}{3}z;\pm(0,0,\frac{1}{3})$	$3a$	$3b$	$6c$	$6c$	$3a;6c$	$3b;6c$	$3\times6c$
[3] $P312$ (149)	$2\mathbf{a}+\mathbf{b}$, $-\mathbf{a}+\mathbf{b}$, $\mathbf{c}$	$\frac{1}{3}(x+y),\frac{1}{3}(-x+2y),z;$ $\pm(\frac{2}{3},\frac{1}{3},0)$	$1a;1c;1e$	$1b;1d;1f$	$2g;2h;2i$	$6l$	$3\times3j$	$3\times3k$	$3\times6l$
Enlarged unit cell, isomorphic									
[2] $P321$	$\mathbf{a},\mathbf{b},2\mathbf{c}$	$x,y,\frac{1}{2}z;+(0,0,\frac{1}{2})$	$1a;1b$	$2c$	$2\times2c$	$2\times2d$	$3e;3f$	$6g$	$2\times6g$
[2] $P321$	$\mathbf{a},\mathbf{b},2\mathbf{c}$	$x,y,\frac{1}{2}z+\frac{1}{4};+(0,0,\frac{1}{2})$	$2c$	$1a;1b$	$2\times2c$	$2\times2d$	$6g$	$3e;3f$	$2\times6g$
[3] $P321$	$\mathbf{a},\mathbf{b},3\mathbf{c}$	$x,y,\frac{1}{3}z;\pm(0,0,\frac{1}{3})$	$1a;2c$	$1b;2c$	$3\times2c$	$3\times2d$	$3e;6g$	$3f;6g$	$3\times6g$
[p] $P321$	$\mathbf{a},\mathbf{b},p\mathbf{c}$ $p=\text{prime}>2$; $u=1,\ldots,p-1$	$x,y,\frac{1}{p}z;+(0,0,\frac{u}{p})$	$1a;\frac{p-1}{2}\times2c$	$1b;\frac{p-1}{2}\times2c$	$p\times2c$	$p\times2d$	$3e;\frac{p-1}{2}\times6g$	$3f;\frac{p-1}{2}\times6g$	$p\times6g$
[4] $P321$	$2\mathbf{a},2\mathbf{b},\mathbf{c}$	$\frac{1}{2}x,\frac{1}{2}y,z;+(\frac{1}{2},0,0);$ $+(0,\frac{1}{2},0);+(\frac{1}{2},\frac{1}{2},0)$	$1a;3e$	$1b;3f$	$2c;6g$	$2d;6g$	$2\times3e;6g$	$2\times3f;6g$	$4\times6g$
[p^2] $P321$	$p\mathbf{a},p\mathbf{b},\mathbf{c}$ $p=\text{prime}\neq3$; $u,v=1,\ldots,p-1$	$\frac{1}{p}x,\frac{1}{p}y,z;+(\frac{u}{p},\frac{v}{p},0)$	$1a;(p-1)\times3e;$ $\frac{(p-1)(p-2)}{6}\times6g$	$1b;(p-1)\times3f;$ $\frac{(p-1)(p-2)}{6}\times6g$	$2c;\frac{p^2-1}{3}\times6g$	$2d;\frac{p^2-1}{3}\times6g$	$p\times3e;$ $\frac{p(p-1)}{2}\times6g$	$p\times3f;$ $\frac{p(p-1)}{2}\times6g$	$p^2\times6g$