$P4bm$ No. 100 C_{4v}^2

	Axes	Coordinates	Wyckoff positions			
			$2a$	$2b$	$4c$	$8d$
I	**Maximal *translationengleiche* subgroups**					
[2] $P4$ (75)			$1a$; $1b$	$2c$	$4d$	$2\times4d$
[2] $Pba2$ (32)			$2a$	$2b$	$4c$	$2\times4c$
[2] $Cmm2$ (35)	$\mathbf{a}-\mathbf{b}, \mathbf{a}+\mathbf{b}, \mathbf{c}$	$\frac{1}{2}(x-y)+\frac{1}{4}, \frac{1}{2}(x+y)+\frac{1}{4}, z$	$4c$	$2a$; $2b$	$4d$; $4e$	$2\times8f$
II	**Maximal *klassengleiche* subgroups**					
	Enlarged unit cell, non-isomorphic					
[2] $P4_2bc$ (106)	$\mathbf{a}, \mathbf{b}, 2\mathbf{c}$	$x, y, \frac{1}{2}z; +(0,0,\frac{1}{2})$	$4a$	$4b$	$8c$	$2\times8c$
[2] $P4nc$ (104)	$\mathbf{a}, \mathbf{b}, 2\mathbf{c}$	$x, y, \frac{1}{2}z; +(0,0,\frac{1}{2})$	$2\times2a$	$4b$	$8c$	$2\times8c$
[2] $P4_2nm$ (102)	$\mathbf{a}, \mathbf{b}, 2\mathbf{c}$	$x+\frac{1}{2}, y, \frac{1}{2}z; +(0,0,\frac{1}{2})$	$4b$	$2\times2a$	$2\times4c$	$2\times8d$
	Enlarged unit cell, isomorphic					
[2] $P4bm$	$\mathbf{a}, \mathbf{b}, 2\mathbf{c}$	$x, y, \frac{1}{2}z; +(0,0,\frac{1}{2})$	$2\times2a$	$2\times2b$	$2\times4c$	$2\times8d$
[3] $P4bm$	$\mathbf{a}, \mathbf{b}, 3\mathbf{c}$	$x, y, \frac{1}{3}z; \pm(0,0,\frac{1}{3})$	$3\times2a$	$3\times2b$	$3\times4c$	$3\times8d$
[p] $P4bm$	$\mathbf{a}, \mathbf{b}, p\mathbf{c}$	$x, y, \frac{1}{p}z; +(0,0,\frac{u}{p})$	$p\times2a$	$p\times2b$	$p\times4c$	$p\times8d$
	p = prime; $u = 1, \ldots, p-1$					
[9] $P4bm$	$3\mathbf{a}, 3\mathbf{b}, \mathbf{c}$	$\frac{1}{3}x, \frac{1}{3}y, z; \pm(\frac{1}{3},0,0); \pm(0,\frac{1}{3},0);$ $\pm(\frac{1}{3},\frac{1}{3},0); \pm(\frac{1}{3},\frac{2}{3},0)$	$2a$; $2\times8d$	$2b$; $2\times4c$; $8d$	$3\times4c$; $3\times8d$	$9\times8d$
[p^2] $P4bm$	$p\mathbf{a}, p\mathbf{b}, \mathbf{c}$	$\frac{1}{p}x, \frac{1}{p}y, z; +(\frac{u}{p}, \frac{v}{p}, 0)$	$2a$; $\frac{1}{4}(p^2-1)\times8d$	$2b$; $(p-1)\times4c$; $\frac{1}{4}(p-1)^2\times8d$	$p\times4c$; $\frac{1}{2}p(p-1)\times8d$	$p^2\times8d$
	p = prime > 2; $u, v = 1, \ldots, p-1$					

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