D_{2h}^{26} $I2/b2/a2/m$ No. 72 $Ibam$

	Axes	Coordinates	Wyckoff positions $4a$	$4b$	$4c$	$4d$	$8e$	$8f$	$8g$	$8h$	$8i$	$8j$	$16k$
I Maximal *translationengleiche* subgroups													
[2] $I2cm$ (46)		$x,y,z+\frac{1}{4}$	$4a$	$4a$	$4b$	$4b$	$8c$	$2\times4a$	$8c$	$8c$	$8c$	$2\times4b$	$2\times8c$
$\widehat{=}$ $Ima2$	**c**, −**b**, **a**	$z+\frac{1}{4},-y,x$											
[2] $Ic2m$ (46)		$x,y,z+\frac{1}{4}$	$4a$	$4a$	$4b$	$4b$	$8c$	$8c$	$2\times4a$	$8c$	$8c$	$2\times4b$	$2\times8c$
$\widehat{=}$ $Ima2$	**c**, **a**, **b**	$z+\frac{1}{4},x,y$											
[2] $Iba2$ (45)			$4a$	$4b$	$4a$	$4b$	$8c$	$8c$	$8c$	$2\times4a$	$2\times4b$	$8c$	$2\times8c$
[2] $I222$ (23)		$x,y,z+\frac{1}{4}$	$2a;2c$	$2b;2d$	$4i$	$4j$	$8k$	$4e;4f$	$4g;4h$	$2\times4i$	$2\times4j$	$8k$	$2\times8k$
[2] $I2/c11$ (15)			$4e$	$4e$	$4a$	$4b$	$4c;4d$	$2\times4e$	$8f$	$8f$	$8f$	$8f$	$2\times8f$
$\widehat{=}$ $I12/a1$	**c**, **a**, **b**	z,x,y											
$\widehat{=}$ $C12/c1$	−**b**−**c**, **a**, **c**	$-y,x,-y+z$											
[2] $I12/c1$ (15)			$4e$	$4e$	$4a$	$4b$	$4c;4d$	$8f$	$2\times4e$	$8f$	$8f$	$8f$	$2\times8f$
$\widehat{=}$ $C12/c1$	**a**−**c**, **b**, **c**	$x,y,x+z$											
[2] $I112/m$ (12)			$4g$	$4h$	$2a;2b$	$2c;2d$	$4e;4f$	$8j$	$8j$	$2\times4g$	$2\times4h$	$2\times4i$	$2\times8j$
$\widehat{=}$ $A112/m$	**b**, −**a**−**b**, **c**	$-x+y,-y,z$											
II Maximal *klassengleiche* subgroups													
Loss of centring translations													
[2] $Pbcn$ (60)			$4c$	$4c$	$4a$	$4b$	$8d$	$8d$	$2\times4c$	$8d$	$8d$	$8d$	$2\times8d$
[2] $Pcan$ (60)			$4c$	$4c$	$4a$	$4b$	$8d$	$2\times4c$	$8d$	$8d$	$8d$	$8d$	$2\times8d$
$\widehat{=}$ $Pbcn$	**b**, −**a**, **c**	$y,-x,z$											
[2] $Pbcm$ (57)		$x+\frac{1}{4},y+\frac{1}{4},z+\frac{1}{4}$	$4c$	$4c$	$4d$	$4d$	$4a;4b$	$2\times4c$	$8e$	$8e$	$8e$	$2\times4d$	$2\times8e$
[2] $Pcam$ (57)		$x+\frac{1}{4},y+\frac{1}{4},z+\frac{1}{4}$	$4c$	$4c$	$4d$	$4d$	$4a;4b$	$8e$	$2\times4c$	$8e$	$8e$	$2\times4d$	$2\times8e$
$\widehat{=}$ $Pbcm$	**b**, −**a**, **c**	$y+\frac{1}{4},-x-\frac{1}{4},z+\frac{1}{4}$											
[2] $Pccn$ (56)		$x+\frac{1}{4},y+\frac{1}{4},z+\frac{1}{4}$	$4c$	$4d$	$4c$	$4d$	$4a;4b$	$8e$	$8e$	$2\times4c$	$2\times4d$	$8e$	$2\times8e$
[2] $Pbam$ (55)			$4e$	$4f$	$2a;2b$	$2c;2d$	$8i$	$8i$	$8i$	$2\times4e$	$2\times4f$	$4g;4h$	$2\times8i$
[2] $Pban$ (50)	origin 1:	$x,y,z+\frac{1}{4}$	$2a;2d$	$2b;2c$	$4k$	$4l$	$4e;4f$	$4g;4h$	$4i;4j$	$2\times4k$	$2\times4l$	$8m$	$2\times8m$
	origin 2:	$x+\frac{1}{4},y+\frac{1}{4},z+\frac{1}{4}$											
[2] $Pccm$ (49)			$2e;2h$	$2f;2g$	$2a;2b$	$2c;2d$	$8r$	$4i;4j$	$4k;4l$	$4m;4n$	$4o;4p$	$2\times4q$	$2\times8r$
Enlarged unit cell, isomorphic													
[3] $Ibam$	3**a**, **b**, **c**	$\frac{1}{3}x,y,z;\pm(\frac{1}{3},0,0)$	$4a;8f$	$4b;8f$	$4c;8j$	$4d;8j$	$8e;16k$	$3\times8f$	$8g;16k$	$8h;16k$	$8i;16k$	$3\times8j$	$3\times16k$
[p] $Ibam$	p**a**, **b**, **c**	$\frac{1}{p}x,y,z;+(\frac{u}{p},0,0)$	$4a$; $\frac{p-1}{2}\times8f$	$4b$; $\frac{p-1}{2}\times8f$	$4c$; $\frac{p-1}{2}\times8j$	$4d$; $\frac{p-1}{2}\times8j$	$8e$; $\frac{p-1}{2}\times16k$	$p\times8f$	$8g$; $\frac{p-1}{2}\times16k$	$8h$; $\frac{p-1}{2}\times16k$	$8i$; $\frac{p-1}{2}\times16k$	$p\times8j$	$p\times16k$
	p = prime > 2; $u=1,\ldots,p-1$												
[3] $Ibam$	**a**, 3**b**, **c**	$x,\frac{1}{3}y,z;\pm(0,\frac{1}{3},0)$	$4a;8g$	$4b;8g$	$4c;8j$	$4d;8j$	$8e;16k$	$8f;16k$	$3\times8g$	$8h;16k$	$8i;16k$	$3\times8j$	$3\times16k$
[p] $Ibam$	**a**, p**b**, **c**	$x,\frac{1}{p}y,z;+(0,\frac{u}{p},0)$	$4a$; $\frac{p-1}{2}\times8g$	$4b$; $\frac{p-1}{2}\times8g$	$4c$; $\frac{p-1}{2}\times8j$	$4d$; $\frac{p-1}{2}\times8j$	$8e$; $\frac{p-1}{2}\times16k$	$8f$; $\frac{p-1}{2}\times16k$	$p\times8g$	$8h$; $\frac{p-1}{2}\times16k$	$8i$; $\frac{p-1}{2}\times16k$	$p\times8j$	$p\times16k$
	p = prime > 2; $u=1,\ldots,p-1$												
[3] $Ibam$	**a**, **b**, 3**c**	$x,y,\frac{1}{3}z;\pm(0,0,\frac{1}{3})$	$4a;8h$	$4b;8i$	$4c;8h$	$4d;8i$	$8e;16k$	$8f;16k$	$8g;16k$	$3\times8h$	$3\times8i$	$8j;16k$	$3\times16k$
[p] $Ibam$	**a**, **b**, p**c**	$x,y,\frac{1}{p}z;+(0,0,\frac{u}{p})$	$4a$; $\frac{p-1}{2}\times8h$	$4b$; $\frac{p-1}{2}\times8i$	$4c$; $\frac{p-1}{2}\times8h$	$4d$; $\frac{p-1}{2}\times8i$	$8e$; $\frac{p-1}{2}\times16k$	$8f$; $\frac{p-1}{2}\times16k$	$8g$; $\frac{p-1}{2}\times16k$	$p\times8h$	$p\times8i$	$8j$; $\frac{p-1}{2}\times16k$	$p\times16k$
	p = prime > 2; $u=1,\ldots,p-1$												

Nonconventional settings

interchange letters and sequences in Hermann–Mauguin symbols, axes and coordinates:

$Imcb$	$C\to A\to B$	$a\to b\to c\to a$	$\mathbf{a}\to\mathbf{b}\to\mathbf{c}\to\mathbf{a}$	$x\to y\to z\to x$
$Icma$	$A\to C\to B$	$a\leftarrow b\leftarrow c\leftarrow a$	$\mathbf{a}\leftarrow\mathbf{b}\leftarrow\mathbf{c}\leftarrow\mathbf{a}$	$x\leftarrow y\leftarrow z\leftarrow x$