Table 14.2.3.1. *Plane groups: assignment of Wyckoff positions to Wyckoff sets and to lattice complexes*

Wyckoff positions of the same Wyckoff set can be recognized by their consecutive listing without repetition of the reference symbol. Characteristic Wyckoff sets are marked by asterisks.

1 *p*1

1	*a*	1	*p*2 *a*	*P*[*xy*]

2 *p*2

1	*a*	2	* *p*2 *a*	*P*
1	*b*			$0\frac{1}{2}$ *P*
1	*c*			$\frac{1}{2}0$ *P*
1	*d*			$\frac{1}{2}\frac{1}{2}$ *P*
2	*e*	1	* *p*2 *e*	*P*2*xy*

3 *pm*

1	*a*	.*m*.	*p*2*mm a*	*P*[*y*]
1	*b*			$\frac{1}{2}0$ *P*[*y*]
2	*c*	1	*p*2*mm e*	*P*2*x*[*y*]

4 *pg*

2	*a*	1	*p*2*mg c*	2.. P_b*C*1*x*[*y*]

5 *cm*

2	*a*	.*m*.	*c*2*mm a*	*C*[*y*]
4	*b*	1	*c*2*mm d*	*C*2*x*[*y*]

6 *p*2*mm*

1	*a*	2*mm*	* *p*2*mm a*	*P*
1	*b*			$0\frac{1}{2}$ *P*
1	*c*			$\frac{1}{2}0$ *P*
1	*d*			$\frac{1}{2}\frac{1}{2}$ *P*
2	*e*	..*m*	* *p*2*mm e*	*P*2*x*
2	*f*			$0\frac{1}{2}$ *P*2*x*
2	*g*	.*m*.		*P*2*y*
2	*h*			$\frac{1}{2}0$ *P*2*y*
4	*i*	1	* *p*2*mm i*	*P*2*x*2*y*

7 *p*2*mg*

2	*a*	2..	*p*2*mm a*	P_a
2	*b*			$0\frac{1}{2}$ P_a
2	*c*	.*m*.	* *p*2*mg c*	$\frac{1}{4}0$ 2.. P_a*C*1*y*
4	*d*	1	* *p*2*mg d*	.*m*. P_a2*xy*

8 *p*2*gg*

2	*a*	2..	*c*2*mm a*	*C*
2	*b*			$\frac{1}{2}0$ *C*
4	*c*	1	* *p*2*gg c*	.*g*. *C*2*xy*

9 *c*2*mm*

2	*a*	2*mm*	* *c*2*mm a*	*C*
2	*b*			$0\frac{1}{2}$ *C*
4	*c*	2..	*p*2*mm a*	$\frac{1}{4}\frac{1}{4}$ P_{ab}
4	*d*	..*m*	* *c*2*mm d*	*C*2*x*
4	*e*	.*m*.		*C*2*y*
8	*f*	1	* *c*2*mm f*	*C*2*x*2*y*

10 *p*4

1	*a*	4..	*p*4*mm a*	*P*
1	*b*			$\frac{1}{2}\frac{1}{2}$ *P*
2	*c*	2..	*p*4*mm a*	$0\frac{1}{2}$ *C*
4	*d*	1	* *p*4 *d*	*P*4*xy*

11 *p*4*mm*

1	*a*	4*mm*	* *p*4*mm a*	*P*
1	*b*			$\frac{1}{2}\frac{1}{2}$ *P*
2	*c*	2*mm*.	*p*4*mm a*	$0\frac{1}{2}$ *C*
4	*d*	.*m*.	* *p*4*mm d*	*P*4*x*
4	*e*			$\frac{1}{2}\frac{1}{2}$ *P*4*x*
4	*f*	..*m*	* *p*4*mm f*	*P*4*xx*
8	*g*	1	* *p*4*mm g*	*P*4*x*2*y*

12 *p*4*gm*

2	*a*	4..	*p*4*mm a*	*C*
2	*b*	2.*mm*	*p*4*mm a*	$0\frac{1}{2}$ *C*
4	*c*	..*m*	* *p*4*gm c*	$0\frac{1}{2}$.*g*. *C*2*xx*
8	*d*	1	* *p*4*gm d*	..*m* *C*4*xy*

13 *p*3

1	*a*	3..	*p*6*mm a*	*P*
1	*b*			$\frac{1}{3}\frac{2}{3}$ *P*
1	*c*			$\frac{2}{3}\frac{1}{3}$ *P*
3	*d*	1	* *p*3 *d*	*P*3*xy*

14 *p*3*m*1

1	*a*	3*m*.	*p*6*mm a*	*P*
1	*b*			$\frac{1}{3}\frac{2}{3}$ *P*
1	*c*			$\frac{2}{3}\frac{1}{3}$ *P*
3	*d*	.*m*.	* *p*3*m*1 *d*	*P*3*x*$\bar{x}$
6	*e*	1	* *p*3*m*1 *e*	*P*3*x*$\bar{x}$2*y*

15 *p*31*m*

1	*a*	3.*m*	*p*6*mm a*	*P*
2	*b*	3..	*p*6*mm b*	*G*
3	*c*	..*m*	* *p*31*m c*	*P*3*x*
6	*d*	1	* *p*31*m d*	*P*3*x*2*y*

16 *p*6

1	*a*	6..	*p*6*mm a*	*P*
2	*b*	3..	*p*6*mm b*	*G*
3	*c*	2..	*p*6*mm c*	*N*
6	*d*	1	* *p*6 *d*	*P*6*xy*

17 *p*6*mm*

1	*a*	6*mm*	* *p*6*mm a*	*P*
2	*b*	3*m*.	* *p*6*mm b*	*G*
3	*c*	2*mm*	* *p*6*mm c*	*N*
6	*d*	..*m*	* *p*6*mm d*	*P*6*x*
6	*e*	.*m*.	* *p*6*mm e*	*P*6*x*$\bar{x}$
12	*f*	1	* *p*6*mm f*	*P*6*x*2*y*

references