





















TABLE 4.1.4. Order adopted in Space-group Tables

System	Point group	Space-group numbers	System	Point group	Space-group numbers
Triclinic	1	1	Trigonal	3	143-146
	$\bar{1}$	2		$\bar{3}$	147-148
Monoclinic	2	3-5		32	149-155
	<i>m</i>	6-9		$3m$	156-161
	$2/m$	10-15		$\bar{3}m$	162-167
Orthorhombic	222	16-24		Hexagonal	6
	$mm2$	25-46	$\bar{6}$		174
	mmm	47-74	$6/m$		175-176
Tetragonal	4	75-80	622		177-182
	$\bar{4}$	81-82	$6mm$		183-186
	$4/m$	83-88	$\bar{6}m2$		187-190
	422	89-98	$6/mmm$	191-194	
	$4mm$	99-110	Cubic	23	195-199
	$\bar{4}2m$	111-122		$m\bar{3}$	200-206
$4/mmm$	123-142	432		207-214	
		$\bar{4}3m$		215-220	
			$m\bar{3}m$	221-230	

TABLE 4.1.7
Symbols of Symmetry Axes

Symbol	Symmetry axis	Graphical symbol	Nature of right-handed screw translation along the axis	Symbol	Symmetry axis	Graphical symbol (normal to plane of paper)	Nature of right-handed screw translation along the axis
1	Rotation monad	None	None	4	Rotation tetrad		None
$\bar{1}$	Inversion monad	o	None	4_1	Screw tetrads		<i>c</i> /4
2	Rotation diad	 (normal to paper)	None	4_2			$2c$ /4
		 (parallel to paper)		4_3			$3c$ /4
2_1	Screw diad	 (normal to paper)	<i>c</i> /2	$\bar{4}$	Inversion tetrad		None
		 (parallel to paper)	Either <i>a</i> /2 or <i>b</i> /2	6	Rotation hexad		None
		Normal to paper		6_1	Screw hexads		<i>c</i> /6
3	Rotation triad		None	6_2			$2c$ /6
3_1	Screw triads		<i>c</i> /3	6_3			$3c$ /6
3_2			$2c$ /3	6_4		$4c$ /6	
$\bar{3}$	Inversion triad		None	6_5		$5c$ /6	
				$\bar{6}$	Inversion hexad		None

In any space-group symbol the order in which the various parts of the symbol are written is, in general, the same as in the corresponding point groups (see Table 3.3.2).