Table 1.1.3. *Graphical symbols* (*cont.*)

Symmetry axis or symmetry point	Graphical symbol	Screw vector of a right-handed screw rotation in units of the shortest lattice translation vector parallel to the axis	Printed symbol
Sixfold rotation axis		None	6
Sixfold screw axis: '6 sub 1'		$\frac{1}{6}$	6_1
Sixfold screw axis: '6 sub 2'		$\frac{1}{3}$	6_2
Sixfold screw axis: '6 sub 3'		$\frac{1}{2}$	6_3
Sixfold screw axis: '6 sub 4'		$\frac{2}{3}$	6_4
Sixfold screw axis: '6 sub 5'		$\frac{5}{6}$	6_5
Centre of symmetry, inversion centre: '1 bar'		None	$\bar{1}$
Twofold rotation axis with centre of symmetry		None	$2/m$
Twofold screw axis with centre of symmetry		$\frac{1}{2}$	$2_1/m$
Inversion axis: '3 bar'		None	$\bar{3}$
Inversion axis: '4 bar'		None	$\bar{4}$
Fourfold rotation axis with centre of symmetry		None	$4/m$
'4 sub 2' screw axis with centre of symmetry		$\frac{1}{2}$	$4_2/m$
Inversion axis: '6 bar'		None	$\bar{6}$
Sixfold rotation axis with centre of symmetry		None	$6/m$
'6 sub 3' screw axis with centre of symmetry		$\frac{1}{2}$	$6_3/m$

(*d*) Symmetry axes parallel to plane of projection.

Symmetry axis	Graphical symbol	Screw vector of a right-handed screw rotation in units of the shortest lattice translation vector parallel to the axis	Printed symbol
Twofold rotation axis		None	2
Twofold screw axis		$\frac{1}{2}$	2_1

References

International Tables for Crystallography (1983). Vol. A. *Space-group symmetry*, edited by Th. Hahn. Dordrecht: Kluwer Academic Publishers. [Revised editions: 1987, 1992, 1995 and 2002. Abbreviated as *IT* A (1983).]