

Crystal system #		Point group		Space groups	
		Hermann–Mauguin	Schoenflies	Order	
Triclinic	1	1	C_1	1	$P1$
	2	$\bar{1}$	C_i	2	$P\bar{1}$
Monoclinic	3–5	2	C_2	2	$P2, P2_1, C2$
	6–9	m	C_s	2	Pm, Pc, Cm, Cc
	10–15	2/m	C_{2h}	4	$P2/m, P2_1/m, C2/m, P2/c, P2_1/c, C2/c$
	16–24	222	D_2	4	$P222, P222_1, P2_12_12_1, C222_1, C222, F222, I222, I2_12_12_1$
Orthorhombic	25–46	mm2	C_{2v}	4	$Pmm2, Pmc2_1, Pcc2, Pma2, Pca2_1, Pnc2, Pmn2_1, Pba2, Pna2_1, Pnn2, Cmm2, Cmc2_1, Ccc2, Amm2, Aem2, Ama2, Aea2, Fmm2, Fdd2, Imm2, Iba2, Ima2$
	47–74	mmm	D_{2h}	8	$Pmmm, Pnnn, Pccm, Pban, Pmma, Pnna, Pmna, Pcca, Pbam, Pccn, Pbcm, Pnnm, Pmmn, Pbcn, Pbca, Pnma, Cmcm, Cmce, Cmmm, Cccm, Cmme, Ccce, Fmmm, Fddd, Immm, Ibam, Ibca, Imma$
	75–80	4	C_4	4	$P4, P4_1, P4_2, P4_3, I4, I4_1$
	81–82	$\bar{4}$	S_4	4	$P\bar{4}, I\bar{4}$
Tetragonal	83–88	4/m	C_{4h}	8	$P4/m, P4_2/m, P4/n, P4_2/n, I4/m, I4_1/a$
	89–98	422	D_4	8	$P422, P4_212, P4_122, P4_12_12, P4_222, P4_22_12, P4_322, P4_32_12, I422, I4_122$
	99–110	4mm	C_{4v}	8	$P4mm, P4bm, P4_2cm, P4_2nm, P4cc, P4nc, P4_2mc, P4_2bc, I4mm, I4cm, I4_1md, I4_1cd$
	111–122	$\bar{4}2m$	D_{2d}	8	$P\bar{4}2m, P\bar{4}2c, P\bar{4}2_1m, P\bar{4}2_1c, P\bar{4}m2, P\bar{4}c2, P\bar{4}b2, P\bar{4}n2, I\bar{4}m2, I\bar{4}c2, I\bar{4}2m, I\bar{4}2d$
	123–142	4/mmm	D_{4h}	16	$P4/mmm, P4/mcc, P4/nbm, P4/nnc, P4mbm, P4/mnc, P4/nmm, P4/ncc, P4_2/mmc, P4_2/mcm, P4_2/nbc, P4_2/nnm, P4_2/mbc, P4_2/mnm, P4_2/nmc, PP4_2/ncm, I4/mmm, I4/mcm, I4_1/amd, I4_1/acd$
	143–146	3	C_3	3	$P3, P3_1, P3_2, R3$
Trigonal	147–148	$\bar{3}$	S_6	6	$P\bar{3}, R\bar{3}$
	149–155	32	D_3	6	$P312, P321, P3_112, P3_121, P3_212, P3_221, R32$
	156–161	3m	C_{3v}	6	$P3m1, P3_1m, P3c1, P3_1c, R3m, R3c$
	162–167	$\bar{3}m$	D_{3d}	12	$P\bar{3}1m, P\bar{3}1c, P\bar{3}m1, P\bar{3}c1, R\bar{3}m, R\bar{3}c$
Hexagonal	168–173	6	C_6	6	$P6, P6_1, P6_5, P6_2, P6_4, P6_3,$
	174	$\bar{6}$	C_{3h}	6	$P\bar{6}$
	175–176	6/m	C_{6h}	12	$P6/m, P6_3/m$
	177–182	622	D_6	12	$P622, P6_122, P6_522, P6_222, P6_422, P6_322$
	183–186	6mm	C_{6v}	12	$P6mm, P6cc, P6_3cm, P6_3mc$
	187–190	$\bar{6}m2$	D_{3h}	12	$P\bar{6}m2, P\bar{6}m2, P\bar{6}2m, P\bar{6}2c$
Cubic	191–194	6/mmm	D_{6h}	24	$P6/mmm, P6/mcc, P6_3/mcm, P6_3/mmc$
	195–199	23	T	12	$P23, F23, I23, P2_13, I2_13$
	200–206	$m\bar{3}$	T_h	24	$Pm\bar{3}, Pn\bar{3}, Fm\bar{3}, Fd\bar{3}, Im\bar{3}, Pa\bar{3}, Ia\bar{3}, P432, P4_232, F432, F4_132, I432, P4_332, P4_132, I4_132$
	207–214	432	O	24	$P\bar{4}3m, F\bar{4}3m, I\bar{4}3m, P\bar{4}3n, F\bar{4}3c, I\bar{4}3d$
	215–220	$\bar{4}3m$	T_d	24	$Pm\bar{3}m, Pn\bar{3}n, Pm\bar{3}n, Pn\bar{3}m, Fm\bar{3}m, Fm\bar{3}c, Fd\bar{3}m, Fd\bar{3}c, Im\bar{3}m, Ia\bar{3}d$
	221–230	$m\bar{3}m$	O_h	48	

- Pyroelectrics, possible ferroelectrics: 1, 2, m, mm2, 3, 3m, 4, 4mm, 6, 6mm
- Piezoelectrics only: 222, $\bar{4}$, 422, $\bar{4}2m$, 32, $\bar{6}$, 622, $\bar{6}m2$, 23, $\bar{4}3m$
- Non-centrosymmetric and non-piezoelectric: O
- Centrosymmetric: $\bar{1}$, 2/m, mmm, 4/m, 4/mmm, $\bar{3}$, $\bar{3}m$, 6/m, 6/mmm, m3, $m\bar{3}m$