

Wade's Rules for Boranes

Type	Basic formula	Example	# of vertices	# of vacancies	# of e ⁻ in B + charge	# of bonding MOs
Closo	$B_nH_n^{2-}$	$B_6H_6^{2-}$	n	0	3n+2	n + 1
Nido	$B_nH_n^{4-}$	B_5H_9	n + 1	1	3n+4	n + 2
Arachno	$B_nH_n^{6-}$	B_4H_{10}	n + 2	2	3n+6	n + 3
Hypho	$B_nH_n^{8-}$		n + 3	3	3n+8	n + 4