

TONGUE/SHOOTBOLT

The HLS9000 tongue/shootbolt offers the added security of both horizontal and vertical strength for increased wind-load protection.



See corresponding colors in chart when referencing top extension length with middle extension chart

Top Extension

Part Number	Description	Top Extension Length	Max. Cutoff	Number of Screws	Overall Length Combined with M 691 TN 600 (with 914mm/36" Handle Height)	Overall Length Combined with M 1141 TN 1050 (with 914mm/36" Handle Height)	Overall Length Combined with M 1591 TN 1500 (with 914mm/36" Handle Height)
8778611	M 400 SB 16S 20 100	400mm (15.75)	100mm (3.94)	3	1946mm - 2046mm (76.61 - 80.55)	2396mm - 2496mm (94.33 - 98.27)	2846mm - 2946mm (112.05 - 115.98)
8778615	M 475 SB 16S 20 100	475mm (18.70)	100mm (3.94)	3	2021mm - 2121mm (79.57 - 83.50)	2471mm - 2571mm (97.28 - 101.22)	2921mm - 3021mm (115.00 - 118.94)
8778619	M 550 SB 16S 20 100	550mm (21.65)	100mm (3.94)	4	2096mm - 2196mm (82.52 - 86.46)	2546mm - 2646mm (100.24 - 104.17)	2996mm - 3096mm (117.95 - 121.89)
8778623	M 625 SB 16S 20 100	625mm (24.61)	100mm (3.94)	4	2171mm - 2271mm (85.47 - 89.41)	2621mm - 2721mm (103.19 - 107.13)	3071mm - 3171mm (120.91 - 124.84)
8778627	M 700 SB 16S 20 100	700mm (27.56)	100mm (3.94)	4	2246mm - 2346mm (88.43 - 92.36)	2696mm - 2796mm (106.14 - 110.08)	3146mm - 3246mm (123.86 - 127.80)
8778631	M 775 SB 16S 20 100	775mm (30.51)	100mm (3.94)	5	2321mm - 2421mm (91.38 - 95.31)	2771mm - 2871mm (109.09 - 113.03)	3221mm - 3321mm (126.81 - 130.75)

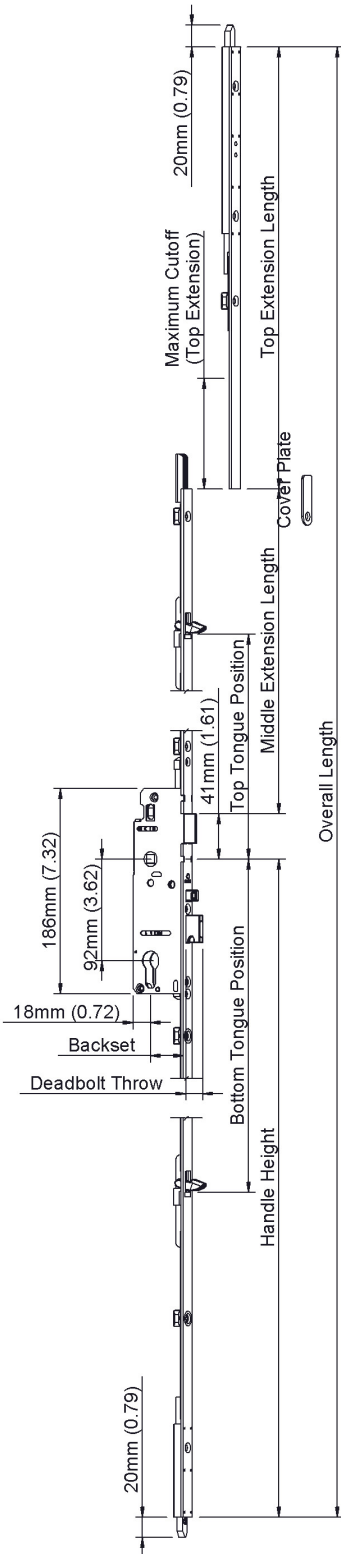
Middle Extension Cover plate is needed 2875118

Part Number	Description	Middle Extension	Top Tongue Position	Second Tongue Position	Maximum Cutoff	Number of Screws
2344923	M 341 TN 250 16S	341mm (13.43)	250mm (9.84)	N/A	N/A	3
8778703	M 691 TN 600 16S	691mm (27.20)	600mm (23.62)	N/A	N/A	4
8779139	M 750 TN 600 16S	750mm (29.53)	600mm (23.62)	N/A	N/A	4
2002350	M 834 TN 743 16S	834mm (32.83)	743mm (29.25)	N/A	N/A	5
8778707	M 1141 TN 1050 16S	1141mm (44.92)	1050mm (41.34)	N/A	N/A	7
8779143	M 1156 TN 1050 16S	1156mm (45.51)	1050mm (41.34)	N/A	N/A	7
2002384	M 1284 TN 1193 16S	1284mm (50.55)	1193mm (46.97)	N/A	N/A	7
8778711	M 1591 TN 1500 16S	1591mm (62.64)	1500mm (59.06)	N/A	N/A	9
2339358	M 2041 TNT 1050/1950 16S	2041mm (80.35)	1950mm (76.77)	1050mm (41.34)	N/A	12

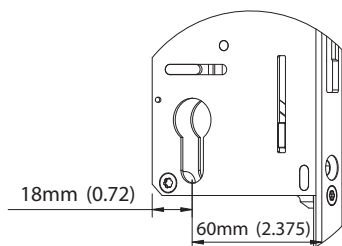
Gear

Part Number	Description	Backset	Deadbolt Throw	Handle Height	Bottom Tongue Position	Max. Cutoff	Number of Screws
8778283	M/35/14 914 TNS 620 16S 20	35mm (1.38)	14mm (0.55)	914mm (36.00)	620mm (24.41)	N/A	6
8778311	M/45/14 914 TNS 620 16S 20	45mm (1.77)	14mm (0.55)	914mm (36.00)	620mm (24.41)	N/A	6
8778263	M/35/25 914 TNS 620 16S 20	35mm (1.38)	25mm (1.00)	914mm (36.00)	620mm (24.41)	N/A	6
8778107	M/45/25 914 TNS 620 16S 20	45mm (1.77)	25mm (1.00)	914mm (36.00)	620mm (24.41)	N/A	6

2875118 Cover Plate



60mm Backset Gear / Bottom Extension

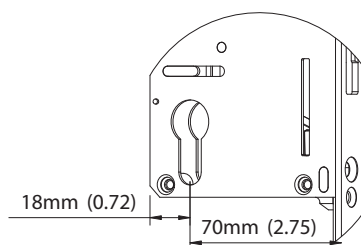


Gear - 60mm Backset

Part Number	Description	Backset	Deadbolt Throw	Handle Height	Bottom Tongue Position	Number of Screws
2406477	M/60/25 914 TNS 620 16S 20	60mm (2.375)	25.4mm (1.00)	914mm (36.00)	620mm (24.41)	6

For Top Extension, please reference the Top extension chart on the adjacent page.

70mm Backset Gear / Bottom Extension



Gear - 70mm Backset

Part Number	Description	Backset	Deadbolt Throw	Handle Height	Bottom Tongue Position	Number of Screws
2406485	M/70/25 914 TNS 620 16S 20	70mm (2.75)	25.4mm (1.00)	914mm (36.00)	620mm (24.41)	6

For Top Extension, please reference the Top extension chart on the adjacent page.