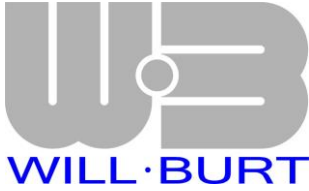


Will-Burt Pneumatic Telescoping Masts



Will-Burt designs and manufactures a complete line of standard and custom built telescoping masts using the finest materials, advanced engineering and quality testing to consistently deliver the world's best mobile masts.

Sealed aluminum sections are pressurized using an air compressor to extend the mast.

Air pressure on the non-locking models has to be maintained to keep the mast extended; the compressor is kept enabled and a pressure switch activates it to compensate for pressure losses.

On the locking models, locking collars keep the mast extended indefinitely without air pressure.

Non-locking models are best suited for short-term operation, such as survey vehicles, newsgathering vehicles, etc. Locking models are designed for deployment for extended periods of time, such as mobile cell sites. Above 18m of extended height, all models are locking, guyed types.

Standard duty, non-locking, not guyed Masts

Model	TMD-	5-20-1xx	6-27-1xx	8-30-1xx	7-34-1xx
Max Load	(kg)	32	18	45	18
Extended Height	(m)	6.1	8.2	9.1	10.3
Nested Height	(m)	1.6	1.8	2.4	2.1
Weight	(kg)	21	24	29	31
Number of sections		6	7	5	7
Average wall thickness	(mm)	2.4	2.4	2.4	2.4
Min/Max section diameter	(mm)	127/64	127/51	127/76	127/51
RF COM Part #		10983	11538	11539	11540
Accessories:					
Nycoil recommended length	(m)	9	6.5	13.5	16.5
Nycoil internal diameter and Part #s			½":12223, ¾":11008, 1":12224		
12VDC Pneumatic system		10984	10984	10984	10984
110VAC Pneumatic system		11552	11552	11552	11552

The mast stands on the vehicle or container floor height.
The heights indicated here are from the mast only, base to top.

Will-Burt Part # key: TMD-AA-BB-CDE

- AA:** Nested height (ft)
- BB:** Erected height (ft)
- C:** 1=Std duty, non-locking
2=Std duty, locking
3=Heavy duty, non-locking
4=Heavy duty, locking
5=Super Heavy duty, non-locking
6=Super Heavy duty, locking
- D:** 5=Rotatable (manual)
6=Non-rotatable
- E:** 7=Internal mount
8=External mount
9=Field mast

Heavy duty, non-locking, not guyed Masts

Model	TMD-	6-25-3xx	7-30-3xx	7-42-3xx	8.5-48-3xx	8.5-52-3xx	9.5-56-3xx
Max Load	(kg)	68	68	68	90	68	90
Extended Height	(m)	7,6	8,9	12,5	14,6	15,8	17
Nested Height	(m)	1,78	2,03	2,16	2,59	2,54	2,90
Weight	(kg)	50	57	107	125	125	136
Number of sections		6	6	9	8	9	8
Average wall thickness	(mm)	4	4	4	4	4	4
Min/Max section diameter	(mm)	172/76	172/76	229/76	229/95	229/76	229/95
RF COM Part #		11541	11543	11007	13522	11544	13523
Accessories:							
Nycoil recommended length	(m)	11.6	13.7	20.7	24	26.5	14.1
Nycoil internal diameter and Part #s				¾":11008, 1":12224			
12VDC Pneumatic system		11554	11554	11554	11554	11554	11554
110VAC Pneumatic system		26207	26207	26207	26207	26207	26207

The mast stands on the vehicle or container floor height. The heights indicated here are from the mast only, base to top.

Heavy duty, locking Masts, optional guying

Model	TMD-	7-30-4xx	7-42-4xx	10-60-4xx	14.5-80-4xx	17-100-4xx	20-134-4xx
Max Load	(kg)	68	68	91	102	137	91
Extended Height	(m)	8.86	12.6	18.3	24.3	30.4	40.8
Nested Height	(m)	2.1	2.33	3.07	4.35	5.15	6.05
Weight	(kg)	52	107	150	189	218	273
Number of sections		6	9	8	7	7	8
Average wall thickness	(mm)	4	4	4	4	4	4
Min/Max section diameter	(mm)	172/76	229/76	229/95	229/113	229/113	229/95
RF COM Part #		11546	11547	11586	11549	11550	11551
Accessories:							
Nycoil recommended length	(m)	19986	19974	15329	19987	included	included
Nycoil internal diameter and Part #s		11554	11554	11554	11554	11556	11556
110VAC Pneumatic system		26207	26207	26207	26207	11555	11555

The mast stands on the vehicle or container floor height. The heights indicated here are from the mast only, base to top.

Mounting optional accessories (masts below 18.3m): Rotatable base and External mounting support.
Masts higher than 18.3m are only mounted externally and can't use the rotatable base.



TMD-10-60-4xx