GEROH KVL | KVK

WILL-BURT

LIGHT / MEDIUM-DUTY TELESCOPIC CABLE-DRIVE MASTS

For payloads up to 132 lbs. (60 kg)

Will-Burt Germany's Family of light and medium-duty Telescopic KVL and KVK Masts are characterized by their lightweight construction in addition to superior stability, reliability, and long life. Both mast systems are available with manual crank deployment or motorized operation. The GEROH KVL and KVK mast systems are in use in military and commercial applications such as communications, surveillance, and lighting. The masts are designed for vehicle, trailer, shelter, or field deployment. The mast sections consist of precision mast profiles which ensure exact adjustment. Safe deployment and retraction is assured, even with ice or in heavy wind conditions. such as communications, surveillance, and lighting. The masts are designed for vehicle, trailer, shelter, or field deployment. The mast sections consist of precision mast profiles which ensure exact adjustment. Safe deployment and retraction is assured, even with ice or in heavy wind conditions.

ESSENTIAL FEATURES

- Payloads up to 132 lbs. (60 kg)
- Heights up to 40 ft (12 m)
- Available as a manual crank mast or with optional motor drive and controller
- Optimal for light surveillance systems, radio monitoring, and mobile, light measuring stations
- Designed for vehicle, trailer, shelter, or field deployment
- MIL-STD 810-G

SPECIFICATIONS

KVL	120 - 2.5 KVL 3	120 - 4 KVL 4	120 - 6 KVL 5	120 - 8 KVL 5	145 - 8 KVL 6	145 - 10 KVL 6
Extended Height (ft. / m)	8.2 / 2.5	13.1 / 4	19.7 / 6	26.2 / 8	26.2 / 8	32.8 / 10
Nested Height (ft. / m)	3.5 / 1.1	4.3 / 1.3	5.1 / 1.5	6.4 / 2.0	5.75 / 1.75	6.9 / 2.1
Payload Capacity (lb / kg)	67 / 30	67 / 30	55 / 25	44 / 20	44 / 20	33 / 15
Approximate Mast Weight (lb / kg)	62 / 28	71 / 32	82 / 37	95 / 43	106 / 48	122 / 55
Number of Sections	3	4	5	5	6	6

KVK	120 - 2.5 KVK 3	120 - 4 KVK 4	145 - 6 KVK 4	145 - 8 KVK 5	170 - 10 KVK 5	170 - 12 KVK 6
Extended Height (ft. / m)	8.2 / 2.5	13.1 / 4	19.7 / 6	26.2 / 8	32.8 / 10	39.3 / 12
Nested Height (ft. / m)	3.5 / 1.14	4.3 / 1.34	6.3 / 1.9	6.9 / 2.1	8.2 / 2.5	8.2 / 2.5
Payload Capacity (lb / kg)	132 / 60	99 / 45	132 / 60	99 / 45	110 / 50	88 / 40
Approximate Mast Weight (lb / kg)	62 / 28	78 / 35	122 / 55	139 / 63	183 / 83	194 / 88
Number of Sections	3	4	4	5	5	6

Additional sizes available. Specifications are for reference only and are subject to change. Please contact Will-Burt for current and exact specifications.
In addition to its masts, Will-Burt Germany also engineers and manufactures its own line of specialty single and double-axle military trailers, designed for maximum mobility with high payload capability and low curb weight.

KVL AND KVK MIL STD TESTS	
High Temperature Operation (+44C)	MIL-STD-810G, Method 501.5, Procedure II
Low Temperature Operation (-32C)	MIL-STD-810G, Method 502.5, Procedure II
High Temperature Storage (+63C)	MIL-STD-810G, Method 501.5, Procedure I
Low Temperature Storage (-51C)	MIL-STD-810G, Method 502.5, Procedure II
Humidity	MIL-STD-810G, Method 507.5, Procedure II (Aggravated cycle Figure 507.5-7, %95 uncondensed humidity)
Rain	MIL-STD-810G, Method 506.5, Procedure I
Vibration	MIL-STD-810G, Method 514.6, Procedure I, Category 20, Table 514.6C-VI, Figure 514.6C-3 (composite wheeled vehicle)
	MIL-STD-810G, Method 514.6, Procedure I, Category 11 (Rail Road-Train), Figure 514.6C-10
	MIL-STD-810G, Method 514.6, Procedure I, Category 8 (Aircraft-Propeller), Figure 514.6C-7
Shock	MIL-STD-810G, Method 516.6, Procedure I - Functional Shock, according to Table 516.6-II, 20g 11ms sawtooth (terminal)
Low Pressure	MIL-STD-810G, Method 500.5, Procedure II (3000m,-4.5° and 4572 m), Rapid decompression Procedure III
Solar Radiation	MIL-STD-810G, Method 505.5, Procedure II
Sand/Dust	MIL-STD-810G Method 510.5, Procedure I & II
Icing	MIL-STD-810G, Method 521.3, Procedure I (Ice thickness: 13mm)
EMI	MIL-STD 461F: CS101, CS114, CS115, CS116, RS103
Hazardous Chemicals	MIL STD 810 F Method 504.1
Salt Fog	MIL-STD 810F Method 509.4