

EXL-Masts

Lightweight, telescopic masts for large and heavy top loads

Data Sheet

COBHAM

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Lightweight telescopic EXL-masts are mechanical winch and belt-operated masts, designed for larger and heavier top loads. EXL-masts are made of carbon and glass fibre composite material.

EXL-masts are available in three sizes. Please see the table below for more specific information.

EXL-masts can be deployed by two or three persons and are elevated with a hand-cranked winch or by an optional electric winch power unit (WPU). The entire mast is rotatable by 360 degrees. EXL-mast sections open one by

one and an automatic mechanical locking mechanism allows guying each lower section separately during winching up. This allows safe handling of higher top loads especially under windy conditions.

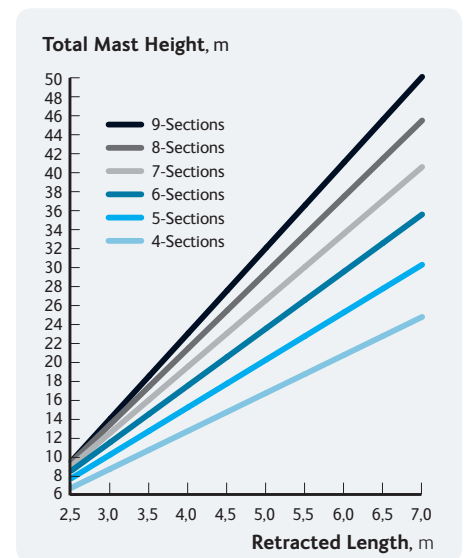
Standard designs can be customised according to customer's specifications and requirements and painted in customer specific colours.

EXL-masts can be supplemented with a wide selection of mounting kits for vehicles and shelters. Sand plate kit or hard ground kit also available.



Accessories and Ancillaries

- sledge hammer, guy stakes
- ground spike, spike, eye bar, base plate
- guy reels and measuring rope
- accessory bags
- winch, winch power units (WPU)
- antenna positioners
- vehicle mounting kits
- antenna brackets



Masts listed below are examples. Other lengths with different top load specifications are available at request.

| Mast type: | EXL141-MASTS | | | EXL167-MASTS | | | EXL195-MASTS | | |
|---------------------------------|--------------|-----|-----|--------------|-----|-----|--------------|-----|-----|
| | 10 | 15 | 18 | 21 | 24 | 30 | 30 | 34 | 50 |
| Extended height (m) | 10 | 15 | 18 | 21 | 24 | 30 | 30 | 34 | 50 |
| Transportation length (m) | 3.6 | 4.1 | 4.6 | 4.2 | 4.7 | 5.5 | 5.1 | 5.6 | 7.6 |
| Vertical top load (kg) | 100 | 80 | 70 | 100 | 80 | 80 | 120 | 80 | 50 |
| Wind area CxA (m ²) | 1 | 0.7 | 0.5 | 1.2 | 1 | 1 | 1.2 | 1 | 0.5 |
| Operational wind speed (m/s) | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Mast weight (kg) | 45 | 50 | 55 | 80 | 90 | 100 | 120 | 140 | 190 |
| Accessories weight (kg) | 50 | 55 | 60 | 60 | 70 | 90 | 90 | 100 | 190 |

Can't find what you are looking for? Contact us at:

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