



# **CLARK MASTS**



**QUALITY IN DESIGN AND MANUFACTURE**



# CLARK MASTS™

## AIR-OPERATED TELESCOPIC MASTS



### QT MAST

(2½"/3"/3½" non-keyed)

The handy, lightweight mast with 101 uses

Constructed of 16-gauge aluminium and operated via the integral handpump, the non-keyed QT range are used for a variety of applications; communications, wind speed/sound measurement, air pollution monitoring and deploying an extensive range of other items of equipment.



### FT MAST

(2½"/3"/3½" non-keyed)

A self-supporting, lightweight mast

Constructed of the same base materials as the QT Range, the FT Mast is available with a choice of two operating options – push-up or handpump operated. Self contained, the FT incorporates 3 integral legs and a turning collar makes it suitable for directional antenna and camera applications.



### ST MAST

(3" keyed)

The small mast with a rugged construction

The rugged ST series of telescopic masts has a 3" base tube and is the smallest of the Clark Masts "family" of 10-gauge aluminium construction masts. These masts benefit from a keyway in each section, thus allowing the mast to be fully rotatable after extension.



### NT MAST

(3½" keyed)

Larger base tube for more flexibility

The NT has a 3½" base tube mast allowing for the incorporation of an extra section in the mast. This extra section helps it to achieve a lower retracted height than the ST mast, without loss of headload capability. The NT is only available in locking Clamp Collar format.



### MT MAST

(4" keyed)

Quick and easy to extend and retract

Clark Masts MT range of masts offers a 4" base tube and a compact "retracted to extended" height ratio which results in a strong 1½" or 2" top section able to support headloads of between 10 and 20kg depending on the required extended height. Available in locking clamp collar variant only.



### DAF MAST

(3" keyed)

Self-contained, lightweight field mast

With 5 models in the range, the DAF series incorporates masts from the rugged ST series in a self-contained Field Mast format. Designed with four adjustable legs and integral handpump for easy deployment by one person, the system is easily transportable.



# FAST-ERECTING MAST SYSTEMS

**CLARK MASTS HAVE BEEN DEDICATED TO QUALITY IN THE DESIGN AND MANUFACTURE OF A WIDE RANGE OF TELESCOPIC AIR-OPERATED AND MECHANICAL SECTIONAL MASTS SINCE 1957.**

## **AIR-OPERATED TELESCOPIC MASTS**



### **AX MAST**

**(4½" keyed)**

**Low-profile mast for CCTV applications**

The unique construction of the AX mast range has integral collars which retract within the mast for a low profile masthead when installed in vehicles. Two options of internal cabling are available to suit all CCTV applications, either conventional of thermal imaging/ satellite transmission.



### **PT MAST**

**(4½" keyed)**

**The original Clark Mast**

The initial design characteristics and quality build of the PT mast, first manufactured in 1960 has made it the "mast of choice" for general applications ever since. The strong 4½" base tube and wide range of sizes make it a flexible solution for field-based, shelter and vehicle applications.



### **YT MAST**

**(5" keyed)**

**Light heavyweight mast for flexibility**

Originally developed from the PT mast, the 5" base tube allows for incorporation of an extra section in the mast, to achieve a lower retracted height without loss of headload capability. The YT is the mast of choice for car-based Outside Broadcast applications.



### **WT MAST**

**(6" keyed)**

**The heavyweight mast reaching 30 metres**

The super-strong WT Masts can reach greater heights by virtue of their 6" diameter base tube. With a maximum of 30 metres, most WT series masts in mobile roles have to be transported in the horizontal position; various roof trolley systems are available for this application.



### **ZT MAST**

**(7" keyed)**

**A super-heavyweight mast solution**

Introduced to "bridge the gap" between the WT and XT range, the 7" base tube allows for incorporation of an extra section in the mast, to achieve a lower retracted height than the corresponding WT Mast without any loss of headload capability.



### **XT MAST**

**(8" keyed)**

**The most powerful mast in the range**

Lifting up to 300kg with a variety of options of up to 30 metres, the 8" base tube XT range is the super heavyweight solution. Strength and inherent rigidity makes the XT an ideal mast for vehicle-based applications where guying the mast is not an option.

**FAST-ERECTING MAST SYSTEMS**





# CLARK MASTS™

## TRAILER MOUNTED TELESCOPIC MASTS

Each of the extensive Clark Masts range of trailer-mounted masts are bespoke, hand made, self-contained and independent mobile mast solutions for varied applications. Built “from the ground up” the trailer system is designed to safely transport the mast in the horizontal position and provide a stable platform for deploying the (up to) 30 metre mast into the vertical position.



A height-adjustable swan-neck towing arm is standard on all models and either a conventional tow hitch or NATO towing eye can be specified, ensuring that the trailer can be towed by a variety of vehicles. Auto-reverse, over-run and parking brakes are standard and the lighting package is fully EC regulation compliant.

The mast is hydraulically swung from the horizontal to the vertical position, ready for extension. This system allows for fitting of the payload to the mast when in the transport position, thus avoiding lifting of heavy objects and working-at-height issues. An operator safety cage (one person) is also a standard fitting, allowing for safe deployment of the mast with the collars locked for long deployment applications. Operation of the mast is via an oil-less compressor driven by a 3.5HP petrol engine.

### TRAILER 802

#### Standard duty trailers

This model is available in 15, 21 and 30 metre options and utilises masts from the WT series. The Stabilising Jacks are fast acting swing-out type and a Guy Winch Controller is standard on the 30 metre model and available as an option on the 15 and 21 metre options.

STANDARD DUTY TRAILERS		
Model	Extended height	Maximum headload
802/15-6	15.00m	50.0 kg
802/21-7	21.00m	35.0 kg
802/30-9	30.00m	15.0 kg

### TRAILER 803

#### Medium duty trailers

This Model is available in 15, 20 and 30 metre options and utilises masts from the ZT Series. Based on an 802 Series Trailer design, suitably up-rated for the additional weight loading, a Guy Winch Controller is standard on all models affording the very best control during extension and retraction.

MEDIUM DUTY TRAILERS		
Model	Extended height	Maximum headload
803/15-6	15.00m	85.0 kg
803/20-6	21.00m	70.0 kg
803/30-8	30.00m	35.0 kg

### TRAILER 804

#### Heavy duty trailers

This heavier duty model is extremely rugged and available in 15, 18, 26 and 30 metre options, utilising masts from the powerful XT Series to provide excellent stability for the payload. The Stabilising Jacks are mechanical and hinged to stow vertically. A Guy Winch Controller is standard on all models.

HEAVY DUTY TRAILERS		
Model	Extended height	Maximum headload
804/15-6	15.00m	100.0 kg
804/18-8	18.00 m	60.0 kg
804/26-8	26.00m	55.0 kg
804/30-9	30.00m	50.0 kg



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# AIR-OPERATED TELESCOPIC MASTS

LIGHT WEIGHT NON-KEYED MASTS		
QTM RANGE - NON-TURNABLE		
Model	Extended height	Maximum headload
SQT3-4/HP	3.00 m	22.5 kg
CSQT3-4/HP	3.00 m	22.5 kg
SQT4-4/HP	4.00 m	22.5 kg
CSQT4-4/HP	4.00 m	22.5 kg
SQT4-6/HP	4.00 m	12.5 kg
CSQT4-6/HP	4.00 m	12.5 kg
SQT4-7/HP	4.00 m	6.0 kg
CSQT4-7/HP	4.00 m	6.0 kg
QT4-6/HP	4.25 m	4.5 kg
CQT4-6/HP	4.25 m	4.5 kg
SQT5-4/HP	5.00 m	22.5 kg
CSQT5-4/HP	5.00 m	22.5 kg
QT6-4/HP	6.10 m	10.0 kg
CQT6-4/HP	6.10 m	10.0 kg
QT6-6/HP	6.10 m	4.5 kg
CQT6-6/HP	6.10 m	4.5 kg
SQT6-4/HP	6.00 m	20.0 kg
CSQT6-4/HP	6.00 m	20.0 kg
QTX6-6/HP	6.10 m	20.0 kg
CQTX6-6/HP	6.10 m	20.0 kg
SQT8-6/HP	7.95 m	10.0 kg
CSQT8-6/HP	7.95 m	10.0 kg
QTX8-6/HP	7.95 m	20.0 kg
CQTX8-6/HP	7.95 m	20.0 kg
SQT9-5/HP	9.00 m	18.0 kg
CSQT9-5/HP	9.00 m	18.0 kg
QT9-6/HP	9.00 m	4.5 kg
CQT9-6/HP	9.00 m	4.5 kg
QTX9-6/HP	8.80 m	18.0 kg
CQTX9-6/HP	8.80 m	18.0 kg
QT10-6/HP	10.00 m	4.5 kg
CQT10-6/HP	10.00 m	4.5 kg
SQT10-6/HP	10.15 m	10.0 kg
CSQT10-6/HP	10.15 m	10.0 kg
QTX10-6/HP	10.15 m	18.0 kg

QTM RANGE - NON-TURNABLE (CONTINUED)		
Model	Extended height	Maximum headload
CQTX10-6/HP	10.15 m	18.0 kg
SQT12-6/HP	12.20 m	10.0 kg
CQTX12-6/HP	12.20 m	15.0 kg
QTX12-6/HP	12.20 m	15.0 kg
CSQT12-6/HP	12.20 m	10.0 kg
SQT12-8/HP	11.55 m	10.0 kg
CSQT12-8/HP	11.55 m	10.0 kg
QTX12-8/HP	11.70 m	10.0 kg
CQTX12-8/HP	11.70 m	10.0 kg
QTX13-7/HP	12.90 m	10.0 kg
CQTX13-7/HP	12.90 m	10.0 kg
SQT15-7/HP	15.00 m	2.5 kg
CSQT15-7/HP	15.00 m	2.5 kg
QTX15-7/HP	15.00 m	10.0 kg
CQTX15-7/HP	15.00 m	10.0 kg
QTM RANGE - TURNABLE		
QTX-R6-5/HP	6.00 m	22.5 kg
CQTX-R6-5/HP	6.00 m	22.5 kg
QTX-R6-6/HP	6.00 m	18.0 kg
CQTX-R6-6/HP	6.00 m	18.0 kg
QTX-R8-6/HP	8.00 m	18.0 kg
CQTX-R8-6/HP	8.00 m	18.0 kg
QTX-R10-6/HP	10.00 m	18.0 kg
CQTX-R10-6/HP	10.00 m	18.0 kg
QTX-R12-8/HP	11.40 m	10.0 kg
CQTX-R12-8/HP	11.40 m	10.0 kg
SFT10-6/HP	10.05 m	10.0 kg
SFT11-7/HP	11.05 m	4.5 kg
SFT12-8/HP	11.60 m	2.5 kg

FT RANGE - NON-TURNABLE		
Model	Extended height	Maximum headload
SFT3-3/HP	3.25 m	20.0 kg
SFT4-4/HP	4.15 m	20.0 kg
SFT5-5/HP	5.10 m	15.0 kg

FT RANGE - NON-TURNABLE (CONTINUED)		
Model	Extended height	Maximum headload
SFT6-6/HP	6.05 m	10.0 kg
SFT7-7/HP	7.00 m	6.0 kg
SFT8-8/HP	7.90 m	4.5 kg
SFT9-6/HP	8.80 m	10.0 kg
SFT10-6/HP	10.00 m	10.0 kg
SFT11-7/HP	11.05 m	4.5 kg
SFT12-8/HP	11.60 m	2.5 kg
FT RANGE - TURNABLE		
CSFT-R3-3/HP	3.30 m	20.0 kg
CSFT-R4-4/HP	4.20 m	20.0 kg
CSFT-R5-5/HP	5.10 m	15.0 kg
CSFT-R6-6/HP	6.05 m	10.0 kg
CSFT-R7-7/HP	7.00 m	6.0 kg
CSFT-R8-8/HP	7.95 m	4.5 kg
CSFT-R9-6/HP	8.80 m	10.0 kg
CSFT-R10-6/HP	10.05 m	10.0 kg
CSFT-R11-7/HP	11.05 m	4.5 kg
CSFT-R12-8/HP	11.60 m	2.5 kg
CSFT-R3-3/H	3.05 m	10.0 kg
CSFT-R4-4/H	4.05 m	10.0 kg
CSFT-R5-5/H	5.05 m	10.0 kg
CSFT-R6-6/H	6.00 m	10.0 kg



**FAST-ERECTING MAST SYSTEMS**





# CLARK MASTS™

## AIR-OPERATED TELESCOPIC MASTS

LIGHT TO MIDDLE WEIGHT MASTS		
ST RANGE		
Model	Extended height	Maximum headload
STX25-3	2.51 m	30.0 kg
STX35-3	3.51 m	30.0 kg
STX45-3	4.51 m	25.0 kg
STX55-3	5.51 m	25.0 kg
STX65-3	6.51 m	25.0 kg
STX75-3	7.51 m	20.0 kg
STX90-3	9.01 m	20.0 kg
ST45-4	4.51 m	20.0 kg
ST55-4	5.50 m	20.0 kg
ST65-4	6.50 m	15.0 kg
ST75-4	7.50 m	15.0 kg
ST90-4	9.00 m	15.0 kg
ST1-5	7.63 m	9.0 kg
ST2-5	9.15 m	7.0 kg
ST3-5	6.11 m	9.0 kg
ST4-5	4.88 m	9.0 kg

NT RANGE		
Model	Extended height	Maximum headload
NT40-4	4.00 m	30.0 kg
NT60-4	6.00 m	25.0 kg
NT80-4	8.00 m	20.0 kg
NT60-5	6.00 m	20.0 kg
NT90-5	9.00 m	15.0 kg
NT100-5	10.00 m	12.0 kg
NT60-6	6.00 m	9.0 kg
NT80-6	8.00 m	9.0 kg
NT100-6	10.00 m	7.0 kg
NT120-6	12.00 m	5.0 kg

MT RANGE		
Model	Extended height	Maximum headload
MT6-5	6.00 m	30.0 kg
MT9-5	9.00 m	25.0 kg

MT RANGE (CONTINUED)		
Model	Extended height	Maximum headload
MT10-5	10.00 m	25.0 kg
MT12-5	12.00 m	20.0 kg
MT16-5	16.00 m	15.0 kg
MT9-6	9.00 m	15.0 kg
MT10-6	10.00 m	15.0 kg
MT12-6	12.00 m	12.0 kg
MT16-6	16.00 m	10.0 kg

STANDARD WEIGHT MASTS		
DAF RANGE		
Model	Extended height	Maximum headload
DAF45	4.50 m	20.0 kg
DAF55	5.50 m	20.0 kg
DAF65	6.50 m	15.0 kg
DAF90	9.00 m	15.0 kg
DAF120	12.00 m	10.0 kg

AX RANGE (CCTV MASTS)		
Model	Extended height	Maximum headload
AX235-4	2.35 m	45.0 kg
AX400-4	4.00 m	45.0 kg
AX470-4	4.70 m	45.0 kg
AX600-4	6.00 m	45.0 kg

PT RANGE		
Model	Extended height	Maximum headload
PT30-4	3.00 m	60.0 kg
PT35-4	3.50 m	60.0 kg
PT12-4	4.17 m	55.0 kg
PT50-4	5.00 m	55.0 kg
PT55-4	5.50 m	55.0 kg
PT5-4	6.17 m	55.0 kg
PT70-5	7.00 m	50.0 kg
PT40-5	4.00 m	50.0 kg
PT45-5	4.50 m	50.0 kg

PT RANGE (CONTINUED)		
Model	Extended height	Maximum headload
PT15-5	5.07 m	40.0 kg
PT55-5	5.50 m	40.0 kg
PT34-5	6.77 m	40.0 kg
PT75-5	7.50 m	35.0 kg
PT80-5	8.00 m	35.0 kg
PT90-5	9.00 m	35.0 kg
PT120-5	12.00 m	25.0 kg
PT150-5	15.00 m	25.0 kg
PT13-5	18.37 m	25.0 kg
PT50-6	5.00 m	30.0 kg
PT16-6	6.07 m	30.0 kg
PT14-6	7.57 m	25.0 kg
PT90-6	9.00 m	25.0 kg
PT11-6	10.07 m	25.0 kg
PT4-6	12.37 m	20.0 kg
PT8-6	15.37 m	20.0 kg
PT40-7	4.00 m	20.0 kg
PT50-7	5.00 m	20.0 kg
PT60-7	6.00 m	15.0 kg
PT54-7	6.77 m	15.0 kg
PT9-7	9.07 m	12.0 kg
PT1-7	10.76 m	12.0 kg
PT120-7	12.00 m	10.0 kg
PT150-7	15.00 m	10.0 kg
PT30-7	18.37 m	10.0 kg
PT6-7	21.07 m	10.0 kg
PT17-8	10.07 m	9.0 kg

LIGHT HEAVYWEIGHT MASTS		
YT RANGE		
Model	Extended height	Maximum headload
YT60-6	6.00 m	40.0 kg
YT80-6	8.00 m	40.0 kg
YT100-6	10.00 m	40.0 kg
YT120-6	12.00 m	40.0 kg
YT180-6	18.00 m	30.0 kg



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## AIR-OPERATED TELESCOPIC MASTS

YT RANGE (CONTINUED)		
Model	Extended height	Maximum headload
YT210-6	21.00 m	20.0 kg
YT80-7	8.00 m	25.0 kg
YT80-7	8.00 m	25.0 kg
YT90-7	9.00 m	25.0 kg
YT10.5-7	10.57 m	25.0 kg
YT120-7	12.07 m	20.0 kg
YT150-7	15.00 m	15.0 kg
YT21-7	21.00 m	15.0 kg
YT9-8	8.57 m	15.0 kg
YT12-8	12.07 m	12.0 kg
YT15-8	15.07 m	10.0 kg

HEAVYWEIGHT MASTS		
WT RANGE		
Model	Extended height	Maximum headload
WT14-4	3.47 m	150.0 kg
WT60-4	6.00 m	140.0 kg
WT80-4	8.00 m	120.0 kg
WT100-4	10.00 m	100.0 kg
WT21-5	5.77 m	85.0 kg
WT15-5	8.07 m	120.0 kg
WT7-5	12.07 m	90.0 kg
WT50-6	5.00 m	100.0 kg
WT60-6	6.00 m	100.0 kg
WT75-6	7.50 m	90.0 kg
WT90-6	9.00 m	80.0 kg
WT100-6	10.00 m	75.0 kg
WT120-6	12.00 m	75.0 kg
WT5-6	15.37 m	70.0 kg
WT10-6	21.47 m	60.0 kg
WT65-7	6.50 m	65.0 kg
WT90-7	9.00 m	55.0 kg
WT120-7	12.00 m	50.0 kg
WT150-7	15.00 m	50.0 kg
WT180-7	18.00 m	50.0 kg
WT6-7	21.37 m	40.0 kg

WT RANGE (CONTINUED)		
Model	Extended height	Maximum headload
WT75-8	7.50 m	45.0 kg
WT11-8	9.27 m	45.0 kg
WT12-8	12.07 m	40.0 kg
WT150-8	15.00 m	35.0 kg
WT180-8	18.00 m	30.0 kg
WT9-8	20.07 m	30.0 kg
WT90-9	9.00 m	20.0 kg
WT120-9	12.00 m	20.0 kg
WT16-9	13.87 m	15.0 kg
WT180-9	18.00 m	15.0 kg
WT26-9	26.07 m	12.0 kg
WT8-9	30.57 m	15.0 kg

SUPER HEAVYWEIGHT MASTS		
ZT RANGE		
Model	Extended height	Maximum headload
ZT100-6	10.00 m	120.0 kg
ZT120-6	12.00 m	110.0 kg
ZT150-6	15.00 m	85.0 kg
ZT180-6	18.00 m	60.0 kg
ZT100-7	10.00 m	100.0 kg
ZT120-7	12.00 m	80.0 kg
ZT150-7	15.00 m	70.0 kg
ZT180-7	18.00 m	55.0 kg
ZT120-8	12.00 m	70.0 kg
ZT150-8	15.00 m	65.0 kg
ZT180-8	18.00 m	50.0 kg
ZT210-8	21.00 m	50.0 kg

XT RANGE (PLAIN COLLAR)		
Model	Extended height	Maximum headload
XT40-4	4.08 m	300.0 kg
XT60-4	6.08 m	250.0 kg
XT80-4	8.08 m	200.0 kg
XT100-4	10.0 m	180.0 kg
XT50-5	5.08 m	220.0 kg

XT RANGE (COMBINED COLLAR)		
Model	Extended height	Maximum headload
XT40-4	4.08 m	180.0 kg
XT60-4	6.08 m	170.0 kg
XT80-4	8.08 m	150.0 kg
XT100-4	10.0 m	130.0 kg
XT50-5	5.08 m	160.0 kg
XT100-6	10.0 m	150.0 kg
XT120-6	12.0 m	130.0 kg
XT150-6	15.0 m	110.0 kg
XT180-6	18.0 m	90.0 kg
XT6-8	6.08 m	130.0 kg
XT8-8	8.08 m	120.0 kg
XT10-8	10.08 m	120.0 kg
XT12-8	12.08 m	110.0 kg
XT15-8	15.08 m	80.0 kg
XT18-8	18.08 m	60.0 kg
XT26-8	26.08 m	55.0 kg
XT90-9	9.00 m	90.0 kg
XT110-9	11.08 m	75.0 kg
XT140-9	14.08 m	65.0 kg
XT200-9	20.08 m	55.0 kg
XT300-9	30.08 m	50.0 kg



**FAST-ERECTING MAST SYSTEMS**





# CLARK MASTS™

## MILITARY MASTS - MECHANICAL SECTIONAL

A major problem with transportable masts is often predicting the erection site and the required height to achieve a satisfactory communications link. Sectional field mast systems are extremely flexible, with all of the equipment being in man-portable packages, the “building block” system allows for, with one basic set of parts, a height range of up to 30 metres to be readily achievable.



### TYPE 72 MAST

Newly-introduced extension to the tried and tested mechanical sectional mast range

Based on the tried and tested Type 73 formulae, the Type 72 is a lighter-weight version with a 3” tube section and five height options ranging from 8 metres up to 20 metres. A mechanical winch-guying system is utilised for the top guying level, with conventional hand-controlled Kevlar guying utilised for the intermediate guying level(s).

Model	Extended height	Number of sections	Maximum vertical headload
72 - 8	8.40 m	9	55.0 kg
72 - 10	10.20 m	11	50.0 kg
72 - 12	12.00 m	13	45.0 kg
72 - 15	14.75 m	16	40.0 kg
72 - 18	18.40 m	20	35.0 kg
72 - 20	20.20 m	22	30.0 kg



### TYPE 73 MAST

Vertically erected sectional masts

A classic since 1970, the Type 73 Sectional Mast system features 4” aircraft grade aluminium alloy mast sections, a winch system which controls the guys during erection, 3-legged erection gear and a mast lifting hoist. Manual handling and working-at-height issues make this mast a very user-friendly option. A bespoke crane system is available, as an option, for lifting heavy/bulky headloads into position.

Model	Extended height	Maximum vertical headload	Maximum horizontal headload
73 - 10	10.37 m	75.0 kg	150.0 kg
73 - 13	12.81 m	75.0 kg	130.0 kg
73 - 16	16.47 m	70.0 kg	120.0 kg
73 - 18	17.69 m	70.0 kg	110.0 kg
73 - 20	20.13 m	60.0 kg	100.0 kg
73 - 24	23.79 m	55.0 kg	80.0 kg
73 - 30	29.89 m	50.0 kg	70.0 kg



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## **MILITARY MASTS - MECHANICAL SECTIONAL**



### **SERIES 80 MAST**

**Up-rated system for larger headloads**

Introduced in 2008 to satisfy a military requirement the Series 80 range comprises seven height options ranging from 10 metres up to 30 metres with headloads of 125kg to 100kg respectively and fills the gap between the Type 73 and the Series 90. The design of the Series 80 draws on the best features of the long established Type 73 and Series 90 systems, with a 3-legged erection gear, 5" tube section, base assembly, brake arm and the user-friendly Guy Winch system a safe and effective deployment is guaranteed. A bespoke crane system is available, as an option, for lifting heavy/bulky headloads into position.

Model	Extended height	Maximum vertical headload	Maximum horizontal headload
80 - 10	10.00 m	125.0 kg	150.0 kg
80 - 12	12.00 m	125.0 kg	130.0 kg
80 - 16	16.00 m	120.0 kg	120.0 kg
80 - 18	18.00 m	120.0 kg	110.0 kg
80 - 20	20.00 m	120.0 kg	100.0 kg
80 - 25	25.00 m	110.0 kg	80.0 kg
80 - 30	30.00 m	100.0 kg	70.0 kg



### **SERIES 90 MAST**

**The big-lifter up to 40 metres**

This 6" section sectional mast lifts 100kg antenna loads up to 40m with great stability and safety. It uses a 4-legged erection gear and centrally-controlled guys at 90°. Sections are joined together with a keyed spigot and secured by means of an external clamp. A crane is used to lift big headloads into position at ground level and the lifting hoist, which is common to mast and crane, has a double braking system, finger controlled and automatic. It is possible to erect a number of masts with a single set of erection equipment.

Model	Extended height	Maximum vertical headload	Maximum horizontal headload
90 - 10	10.00 m	300.0 kg	560.0 kg
90 - 16	16.00 m	280.0 kg	500.0 kg
90 - 20	20.00 m	250.0 kg	450.0 kg
90 - 24	24.00 m	230.0 kg	400.0 kg
90 - 30	30.00 m	200.0 kg	300.0 kg
90 - 40	40.00 m	100.0 kg	200.0 kg

**FAST-ERECTING MAST SYSTEMS**





# CLARK MASTS™

## MILITARY MASTS



### PU MAST

#### Simple in concept, sophisticated in detail

The first PU Mast was first produced to satisfy a military requirement in 1972 and the inherent and initial design qualities have ensured that it has been in constant use in military applications ever since. The unique feature of the PU hand-extended telescopic mast is the cross-pin which is used to lock the extended sections; it is immediately identifiable as locked or unlocked and operable by one hand. Fully supported by two levels (three levels on certain models) of colour coded guys, the system is widely used for mobile communications where lightness of equipment and rapid deployment is a prerequisite. PU Masts can be deployed from vehicles and shelters and a range of bespoke mounting brackets are available.

Model	Extended height	Maximum vertical headload	Maximum horizontal headload
PU5	5.00 m	10.0 kg	50.0 kg
PU8	8.00 m	10.0 kg	45.0 kg
PU10	10.00 m	10.0 kg	40.0 kg
PU12	11.40 m	10.0 kg	35.0 kg



### SCAM MAST

#### Rugged, inherently stable communications mast

The Scam Mast was created in the mid 1960s to provide the military of several countries with a readily deployable and inherently stable mast for VHF/UHF communications. The design and rugged construction makes the SCAM a heavyweight unit, however this feature enhances its performance as it can very easily be deployed on hardened services, such as cobbled farm yards, often without the need for guying. Special guy collars allow the mast and antenna feeder cables to rotate through 360° without impacting on the guy ropes. SCAM masts can be deployed on shelters and vehicles and a wide range of bespoke bracketry is available for these applications. 45 years after it's conception the SCAM mast is still in operational use today.

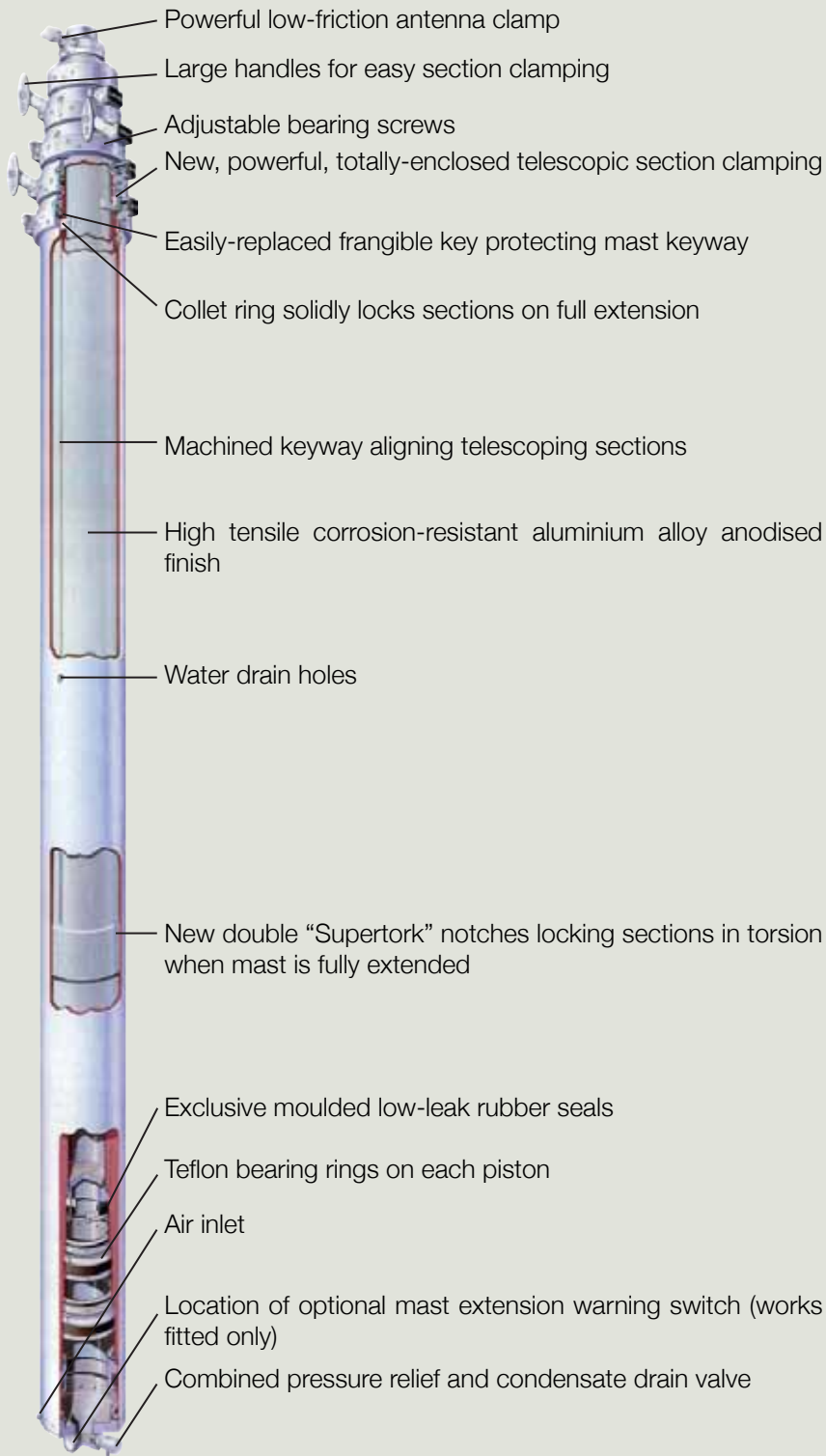
Model	Extended height	Maximum vertical headload
SCAM 7	7.40 m	70.0 kg
SCAM 9	9.60 m	40.0 kg
SCAM 12	12.00 m	35.0 kg
SCAM 15	15.30 m	28.0 kg
SCAM 21	21.00 m	18.0 kg



# FAST-ERECTING MAST SYSTEMS

**CLARK MASTS HAVE BEEN DEDICATED TO QUALITY IN THE DESIGN AND MANUFACTURE OF A WIDE RANGE OF TELESCOPIC AIR-OPERATED AND MECHANICAL SECTIONAL MASTS SINCE 1957.**

## **AIR-OPERATED TELESCOPIC MASTS**



**PLAIN COLLAR MAST**  
(Plain collar version-P)



**CLAMP COLLAR MAST**  
(Clamp collar version-C)



**FIXED BASE**  
(Non-turning version-N)



**ROTATABLE BASE**  
(Turning version-T)



**FIELD BASE**  
(Field version-F)

**FAST-ERECTING MAST SYSTEMS**





**Clark Masts Policy** is to use only materials whose long life is assured beyond all doubt. In addition, all products are designed to enable repairs to be carried out using only standard tools. Availability of spare parts is guaranteed.

**Individual technical leaflets are available on request for each Clark Masts product.**

**GO THERMAL**  
INNOVATIVE SENSING SOLUTIONS

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