


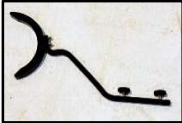















## 2.8 CRANE ACCESSORIES





Besides the crane there is a list of different accessories included in order to operate the crane properly or do maintenances to it. Below is shown a list of all the accessories for the Scorpio light cranes included or not.

### 2.8.1 ARM ACCESSORIES

Component	Ref.	Qty. 23'L	Qty. 17'	Qty. 10'	Description
Set of Counterweights 	7054 7056 7057 7058 7059	23 3 2 2 2	22 3 2 2 2	14 3 2 2 2	Counterweight 15 Kg. Counterweight 8 Kg. Counterweight 4 Kg. Counterweight 2 Kg. Counterweight 1 Kg. They are used to balance the crane.
S10'/S17'/S23'L Weights dolly 	7420	2	2	1	To transport the counterweights with the crane.
S10'/S17'/S23'L Security strap 	7421	2	2	2	The straps are used to secure the arm into the dolly for safely transport it. It is mandatory to have the crane strapped if there is no one operating it.
S10'/S17'/S23'L' Arm cable diverter cable 	7432	1	1	1	Diverter attached on the leveling head to separate the arm loom from the remote head.
S10'/S17'/S23'L Hand command bracket 	7418	1	1	1	Used to hold the hand command into the protection bar
S10'/S17'/S23'L Digital hand command 	7406	1 (1)	1 (1)	1 (1)	There is an extra hand command for the crane






S10'/S17'/S23'L Hand command cable 	7407	1 (1)	1 (1)	1 (1)	Short cable for hand command (2,5m.) Long cable for hand command (5m.)
	7405	1	1	1	
S10'/S17'/S23'L Leveling head cable 	7409 7803 7953	1 (1)	1 (1)	1 (1)	Cable to communicate the leveling head with the Electronic box.
S10'/S17'/S23'L DC Power cable 	7408	1	1	1	This cable provides power from the P.U. or batteries to the crane.
S10'/S17'/S23'L Encoder cables 	7411		1	1	S10' Encoder cable for pan axis (grey)
	7410		1	1	S10' Encoder cable for tilt axis (blue)
	7412		1	1	S10' Encoder cable for travelling (red)
	7963	1			S23'L Encoder cable for pan axis (grey)
	7962	1			S23'L Encoder cable for tilt axis (blue)
	7964	1			S23'L Encoder cable for travelling (red)
S10'/S17'/S23'L Arm Set of tools (7460/7899/7999) 	0067 2482 7431 7422 7438	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	18-19mm fix ring wrench Allen key set Mitchell mount tool S10' 10mm Allen key S10' tool for CW belt adjustment
Servo I 	7658	1	1	1	There are different digital boards inside the Electronic box. To understand the function of each board and identify which one could have a problem see the <a href="#">chapter 2.5.3 Key concepts</a> . Also, the LEDs outside the Electronic box and the LH gives information about the status of the boards.
S10' Arm Hardware spares	7437	2	2	2	S10'/S17'/S23'L Fixing nut for counterweights support.
	7416			2	S10' CW Locking screw with aluminum knob.
	7807		2		S17' CW Locking screw with aluminum knob.

	7957	2			S23'L CW Locking screw with aluminum knob.
	7426	1	1	1	S10' CW Locking aluminum knob.
	7429	4 (2)	4 (2)	4 (2)	S10' Plastic knob screw to fix E.B. M5x16mm.
	7423		2 (2)	2 (2)	S10' Plastic knob screw to fix arm M8x25mm.
	7967	2 (2)			S23'L Screw to fix arm to fulcrum DIN912 M8x25mm.
	7811	4	4	4	S10'/S17'/S23'L Screw and washer for side protection bar
	7424	1 (1)	1 (1)	1 (1)	S10' Holder pin to block arm D10x35mm.
	7425	4 (4)	4 (4)	4 (4)	S10' Leveling head fixing screw DIN 912 M6x25mm.
S10'/S17'/S23'L Set of spare belts 	7427			1 (1)	S10' Arm motor belt 600-5M-9
	7428			1 (1)	Encoder belt T2.5 540
	7430		1 (1)	1 (1)	Levelling head belt RPP5 265
	7808		1 (1)		Encoder belt T2.5 600
	7809		1 (1)		Encoder belt T2.5 540
	7810	1	1 (1)		S17'/S23'L Arm motor belt 835-5M-HT
Kit of fuses 	0213	1	1 (1)	1 (1)	2A FUSE for the security circuit board
	0212	1	1 (1)	1 (1)	10A FUSE for the Shunt resistor
	7475	2	1 (1)		15A FUSE for power unit 40A.
S10'/S17'/S23'L Power unit 40A (option) 	7472	1	1	1	The P.U. is a 30v 40Amp power supply. It has a 15Amp fuse in the back part. It is powered from AC current and has four 3pin XLR outputs to power the remote head and the crane.
S10'/S17'/S23'L Power-Communication & Video line for Scorpio Heads (optional) 	7433			1	This loom provides any Scorpio head power, communication and a video line going through the crane to the base of the dolly.
	7802		1		
	7951	1			
S10'/S17'/S23'L Portable display (optional) 	7403	1	1	1	The Portable display allows the user to do more functions with the crane and also displays useful information for the user.

<p>S10'/S17'/S23'L Portable display cable (optional)</p> 	7404	1 (1)	1 (1)	1 (1)	85cm cable to connect the portable display.
<p>S10' Lift bars (optional)</p> 	7469			4	These bars are used to lift the arm in order to introduce it into the fulcrum. They come with a locking pin to secure them into the arm.
<p>S10' Steering wheel for arm hand operation (option)</p> 	7473			1	This wheel is attached on top of the leveling head. It can be used to operate the crane in manual mode from the leveling head and to add weights in front in case the head and the camera package are very light.
<p>S10' Overnight cover (option)</p> 	7459			1	It protects your Scorpio 10' without the necessity of removing weights, head or camera. Very easy to install.

- *The numbers between brackets means those are extra or spares included with the arm.*

2.8.2 DOLLY ACCESSORIES

Component	Ref.	Qty.	Description
S10'/S17'/S23'L Dolly parts	7446	2	S10' Steering handle for dolly.
	7450	4	S10' Screw with knob for travelling wheels.
	7454	4	S10' Wheel for dolly
	7441	1	S10' Telescopic column
	7443	4	S10' Column tensors
S10'/S17'/S23'L Dolly Hardware & spares	7447	2 (1)	S10' Screw to fix steering bar DIN 912 M10x30mm.
	7448	2 (1)	S10' Holder pin to lock steering D10x40mm.
	7453	4 (1)	S10' Locking pin for leveling jack D8x60mm.
	7451	4 (2)	S10' Screw for articulated arm on dolly DIN912 M12x160mm.
	7442	4 (2)	S10' Nut and washer to fix column DIN6330 M16 DIN 125 M16
	7444 7445	8 (2) 6 (2)	S10' Holder pin for column tensor D10x25mm S10' Screw to fix column to dolly DIN912 M10x25mm
S10'/S17'/S23'L Dolly Set of tools (7463) 	0070	1	1/2" Ratchet wrench
	0089	1	24mm Socket 1/2'
	0075	1	Drill adaptor
Set of pneumatic wheels 	7474	4	Pneumatic wheels for outside the studios.
S10'/S17'/S23'L Leveling Jack 	7452	4	Used to lift and level the dolly.
S10'/S17'/S23'L Travelling wheels 	7449	4	Travelling wheels for tracks.
S10'/S17'/S23'L Weights basket on dolly 	7462	2	This weights basket is attached to the dolly and can be used to transport counterweights with the dolly. There is an attachment for the leveling jacks if they are not mounted.

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