

Guaranteed Technical Particulars - Angle Section/Stay Clamp

	Description	Bidder's Offer
1.	Manufacturer's name & country of manufacture	Metsec Cables Ltd, Kenya
2.	Type reference/ Model number of items offered (as per	Angle Section/ Stay Clamp as per
	clause 6.4.(iii))	TSP/02/004/03
		KPLC Codes
		186435
		186436
		186443
		186444
		186445
		186446
		186437
		186455
3.	List of components to be supplied (for one installation)	The clamps will be provided with line bolts, rib bolts,
		c/w 2 no. nuts, of which shall be a locking nut, 1no. Flat
		washer, 1no. Spring washer
4.1	Service Conditions	The accessories shall be suitable for continuous
		operation outdoors in tropical areas at altitudes of up
		to 2200m above sea level, humidity of up to 95%,
		average ambient temperature of +30°C with a minimum
		of -1°C and a maximum of +40°C, in direct sunlight,
		heavy saline conditions along the coast and isokeraunic
		levels of up to 180 thunderstorms days per year
4.2.1	Structural grade of steel	The multipurpose pole clamp shall be fabricated from
		structural steel grade Q235 as specified in the BS 4360:
		"Specification for wieldable structural steel" and be hot
		dipped to ISO 1461
4.2.2	Tensile strength of light and heavy duty multipurpose	The tensile strength of the multipurpose pole clamp
	clamps	shall be not less than 70KN for light duty clamps and
		120KN for the heavy duty clamps respectively.
4.3.1	Adaptation of clamps to both wooden and concrete	The multipurpose pole clamps shall be designed to
	poles	adapt to circular concrete poles tapering diameters at
		13mm per metre and wooden poles for attaching line
		accessories at various configurations.





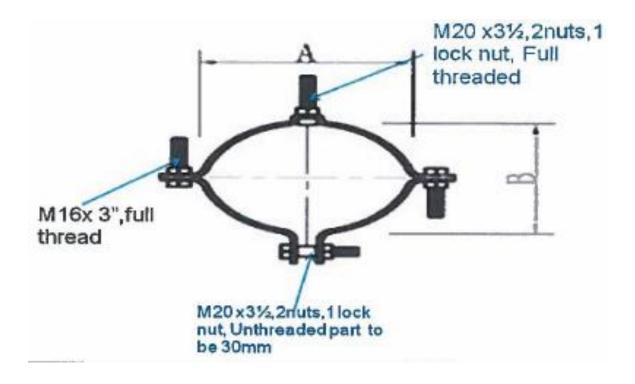
4.3.3	Type of cutting and forging	The multipurpose pole clamps shall be designed with forged reinforcing stiffer (ribs) on their corners for extra strength. The cutting shall be by cold process (cutting and punching).
4.3.4	Bending and shaping	The bending and shaping shall be by hot forging. In case of cold bending, the materials after bending shall be stress relieved at min. temperature of 600°C and it shall be capable of being re-flattened without fracture.
4.3.5	Finished product (appearance)	All surfaces of the multipurpose pole clamps shall be smooth, free from blisters, sharp edges or any other irregularities which can injure personnel during assembly or installation
4.4.1	Compliance to dimensional and performance requirements	The multipurpose pole clamps shall conform to dimensional and performance requirements of Document No. KP1/3CB/TSP/02/004 – Specification for Multipurpose Overhead Line Clamps. The multipurpose pole clamps shall be specified on the basis of the dimensions specified in tbale 1 and 2 of the specification and drawings in fig. 1(TSP/01) to fig 3 (TSP/03)
4.4.4	Multipurpose clamps locking bolts sizes	The locking bolt size will be M20 x 3 ½" Full threaded and supplied with 2no. Nuts, one of which shall be a locking nut, 1no. flat washer, and 1no. spring washer.
4.4.5	Size of line bolts and rib bolts	The rib bolt size will be M16 x 3" Full threaded and supplied with 1no. flat washer, and 1no. spring washer, and 1no. Locking Nut. Also 1no. M20x 31/2", 2nuts, 1 lock nut, Unthreaded part to be 30mm
4.4.6	Dimensions of holes	The holes will be drilled with dimension ± 5% of the diameter of the bolts
4.4.7	Thickness of galvanization and compliance to ISO 1461	All components will be hot dipped galvanized to ISO 1461 with a min. zinc coating thickness of 80µm





5.5	Experience in manufacture of multipurpose clamps	3 Years
6.1	Design and fabrication drawings to KPLC for approval	Yes, design and fabrication drawings will be given to
	before manufacturing	KPLC for approval before manufacturing.
6.4.3	Labeling and marking by engraving as per specifications	Each item will be engraved legibly and indelibly with the
		following information
		i) Manufacturer's Name
		ii) Month and Year of Manufacture
		iii) Type Reference No.
		iv) Mechanical Characteristics
		v) Size
		vi) Standard
		vii) Duty of the item (e.g. LD or HD)

Drawing with Dimensions



All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for products set forth our standard terms and conditions of sale

