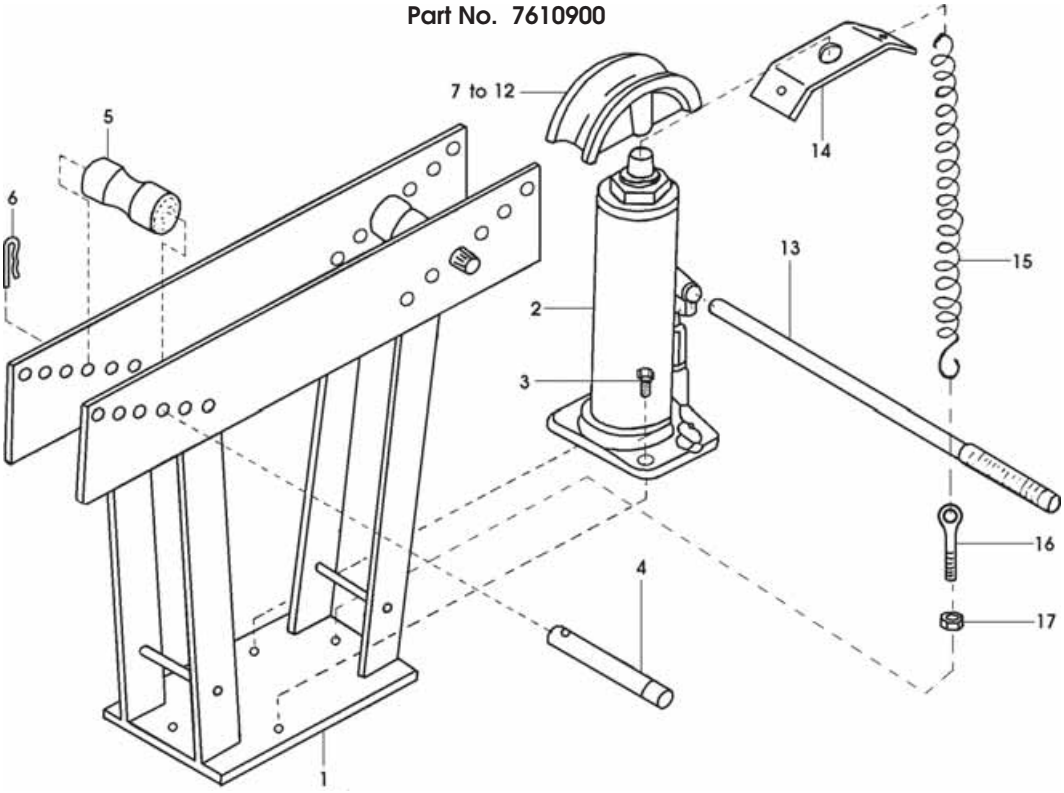
HYDRAULIC PIPE BENDER 12Ton

Model No. CHV12

Part No. 7610900



Item	Description	Qty	Part No.
1	Frame	1	HTB1201
2	12 Ton Bottle Jack	1	HTB1202
3	Hex Bolt	2	HTB1203
4	Roller Shaft	2	HTB1204
5	Guide Roller	2	HTB1205
6	Hitch Pin	2	HTB1206
7	1/2" Bending Die	1	HTB1207
8	3/4" Bending Die	1	HTB1208
9	1" Bending Die	1	HTB1209

Item	Description	Qty	Part No.
10	1-1/4" Bending Die	1	HTB1210
11	1-1/2" Bending Die	1	HTB1211
12	2" Bending Die	1	HTB1212
13	Jack Handle	1	HTB1213
14	Spring Plate	1	HTB1214
15	Spring	2	HTB1215
16	Eye Bolt	2	HTB1216
17	Nut	2	HTB1217

For Spare Parts and Service,please contact your nearest dealer, or CLARKE International, on one of the following numbers.

PARTS & SERVICE TEL: 020 8988 7400

or e-mail as follows:

Parts@clarkeinternational.com OR Service@clarkeinternational.co

Thank you for purchasing this CLARKE Hydraulic Pipe Bending Kit, which is designed for bending STEEL PIPE ONLY, either galvanised or black finish.

IMPORTANT: This tool is NOT designed to bend thin wall tube - copper for example, and this should not be attempted. This tool benefits from being able to be used on its side, unlike many other types.

Please read this leaflet thoroughly before use, to familiarise yourself with its operation, so that it may be used properly in order to provide you with long and satisfactory service.

GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

METHOD OF USE

The tool is provided with six Bending Dies or Formers, in order that the following sizes of British Standard Pipe, to BS1387, may be bent to any angle up to 180 degrees.

1/2 , 3/4, 1, 1-1/4, 1-1/2, and 2 inches

Consult the chart below to ensure the correct die for the corresponding pipe is used. If the wrong die is used, the quality of bend will be severely compromised.

With the pipe resting on the die, and with the ram in its lowest position, (open the hydraulic valve by turning it anticlockwise), secure the guide rollers in place using the Hitch Pin (see parts diagram).

ALWAYS ensure the pipe is sitting firmly and squarely on the die,

Close the hydraulic valve by turning it clockwise fully, then pump the operating lever gently.

NOTE: For best results, bend the pipe progressively. Set the guide rollers wide apart to begin with, bringing them closer together as the degree of bend increases.

When completed, open the hydraulic valve, thus allowing the work to be removed.

To remove the Die from the work, a short sharp tap with a hammer and brass drift should be all that is required. TAKE CARE when removing...NEVER hammer directly on the edges of the Die.

MAINTENANCE

This tool requires no maintenance except for keeping it clean. Always inspect before each use to ensure no welds are cracked or broken, and that the tool is in good general condition. If it is damaged or if in doubt as to its serviceability, consult your CLARKE dealer immediately.

ALWAYS store the tool with the ram in its lowest position, IN AN UPRIGHT POSITION - DO NOT lay on its side as air could enter the system resulting in poor performance and the need to bleed before putting to use once again.

If the ram fails to operate satisfactorily, it should be bled as follows: With the ram in its vertical position, close the release valve at the base of the ram unit (turn it clockwise), then remove the rubber bung on the upper part of the cylinder. Pump the handle several times to expel all air, then replace the rubber bung.

Nominal Bending Die/Pipe Size	Inside Diameter (Bore)				Outside Diameter (Actual size of Bending Die)	
	Medium		Heavy		Medium/Heavy	
BSP	mm	inch	mm	inch	mm	inch
1/2"	16.2	0.65	15.0	0.59	21.4	27/32
3/4"	21.7	0.85	20.5	0.81	26.9	1-1/16
1"	27.4	1.08	25.8	1.02	33.8	1-3/8
1-1/4"	36.1	1.42	34.5	1.36	42.5	1-11/16
1-1/2"	42.0	1.65	40.4	1.59	48.4	1-29/32
2"	53.1	2.09	51.3	2.02	60.3	2-3/8