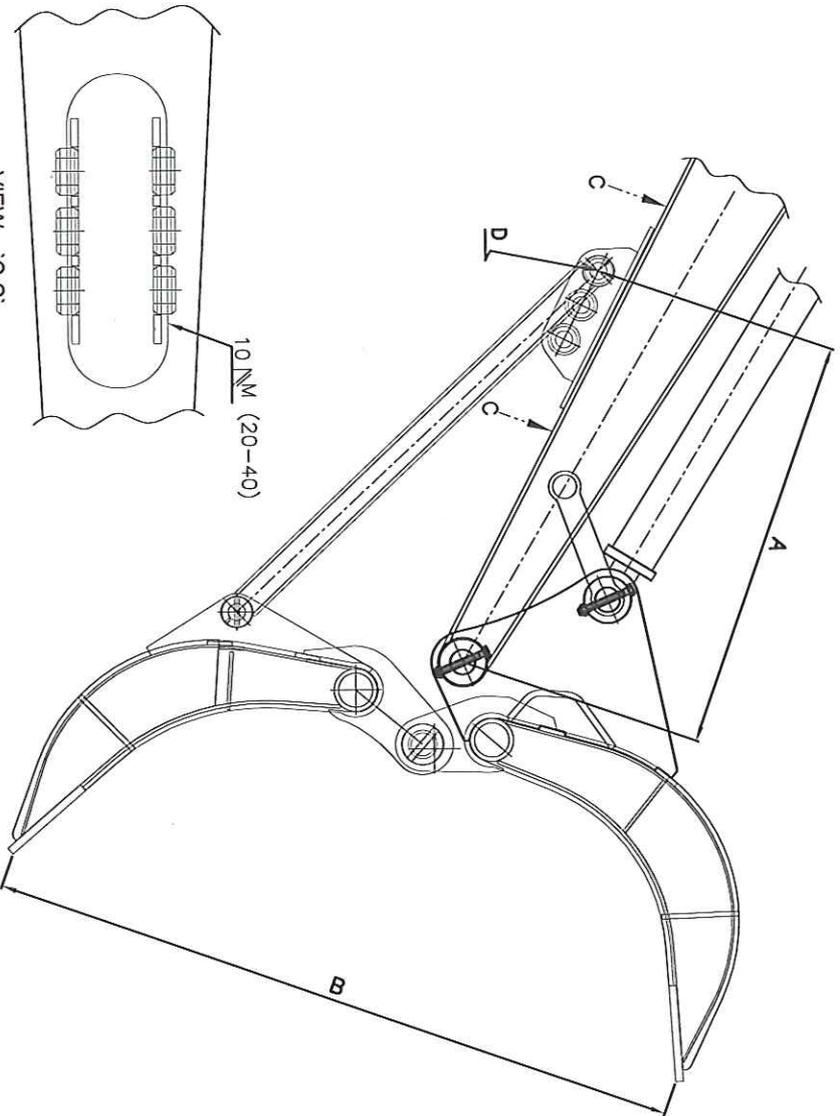


MAX OPENING FOR ROCK GRAB		
PRODUCT CODE	TONNAGE RANGE (T)	MAX OPENING "B" (mm)
ZRG 320 / 400	0 - 2.2	780
ZRG 500	2.3-2.8	1042
ZRG 600	2.9-3.7	1100
ZRG 700	4.7-5.9	1459
ZRG 800	6-8	1678
ZRG 900	12-14	1842
ZRG 1070/1150	18-27	2849
ZRG 1200	28-31	2600

TABLE :1



VIEW - 'C-C'

WELD 10mm MULTIPLE PASS FILLET AND TAPER GRIND 20-40mm

GENERAL DISTANCE BETWEEN BOOM PIN CENTRE TO GRAB BRACKET PIN CENTRE		
PRODUCT CODE	TONNAGE RANGE (T)	DISTANCE "A" (mm)
ZRG 320 / 400	0-2.2	445
ZRG 500	2.3-2.8	435
ZRG 600	2.9-3.7	475
ZRG 700	4.7-5.9	665
ZRG 800	6 - 8	820
ZRG 900	12-14	945
ZRG 1070 / 1150	18-27	1545
ZRG 1200	28-31	1360

TABLE : 2

FIGURE : 1

NOTE : ECH RECOMMENDS TO WELD THE MOUNT BRACKET ALONG WITH THE ROCK GRAB BY ADJUSTING REQUIRED POSITION AS PER INSTRUCTIONS.

PIN CENTRE DISTANCE "A" IN ABOVE FIGURE:1 IS FOR GENERAL INDICATION ONLY. ACTUAL DISTANCE MAY VARY DEPENDING ON APPLICATION OR ACTUAL USE

COPYRIGHT © EQUIPMENT COMPONENT HOLDING PTY LTD THIS DRAWING IS DESIGN IS THE PROPERTY OF ECH ANY REPRODUCTION IN WHOLE OR IN PART OR REPRODUCTION BY ANY MEANS WITHOUT THE WRITTEN CONSENT OF ECH IS PROHIBITED. DRAWINGS ISSUED FOR QUOTATION OR FOR CONSTRUCTION SHALL BE RETURNED AFTER USE.		TOOL No REF. DRG. No	SHEET SIZE A4
APPROVED BY : JAMES CHECKED BY : Chandra	DATE : 04/3/14 DATE : 04/3/14	SCALE 1 : 1 PROJECTION 1st Angle	TITLE : ROCK GRAB BRACKET MOUNTING DIAGRAM
DRAWN BY : Chandra	DATE : 04/3/14	SHEET No 1 OF 1	Part No : Drawing No :
Factory 2/161-203 Chandler Road Kaysborough, Victoria, Australia, 3173 Tel: +61 3 9709 0900 Fax: +61 3 9709 0600		Revision 00	



EQUIPMENT COMPONENT HOLDINGS PTY LTD
ABN 40 056 759 534 ACN 056 759 534

ROCK GRAB INSTALLATION PROCEDURE

- The Rock Grab is delivered in closed position. Please keep the Grab on the ground for installation purpose
- You need a: **Hammer, C clamps, Measuring tape, Permanent marker & Welding machine** for installation purpose
- In closed position mount the machine boom and H pin on the Grab pick-ups to secure the pins as shown in Figure 1
- Please make sure pins are securely bolted on the pick ups
- If machine is equipped with hydraulic/manual hitch then please engage the Grab pick-ups. Please make sure the hitch is engaged on Grab pick up pins securely
- The Grab needs to be opened to the maximum height "B" as shown in Table:1. To do so please secure the site where Grab will be opened making sure there are no personnel within the operating area
- While opening the Grab please make sure Grab fingers are not touching each other or any part touching the machine boom
- If above step is not followed carefully you may damage the machine boom. We advise you to follow this step carefully. If in doubt please ring ECH technical staff on 1800 448 247

MOUNTING BRACKET INSTALLATION

- Lift the stiff arm so that mount bracket plate can touch the boom of the machine as shown in Figure:1
- When lifting the stiff arm please ensure safe lifting practices are followed. Failure to do so may lead to injury or death
- Now, mark the position of the mounting bracket on the boom shown in the drawing as position "D" and adjust pin distance "A" as shown in Table:2
- When using Hydraulic / Manual hitch check dimension "A" between bracket pin centre to top hook up front mounting pin of the hitch
- Please clamp the bracket using C clamp on the boom
- Tack weld the mount bracket in this position as shown in Figure:2
- If C clamps are not available then lift the stiff arm along with bracket until the bracket mount plate touch the boom then mark the position "D" of the bracket on the boom using permanent marker. Please make sure outline of the bracket plate is visible on the boom.
- Remove the pin from the mount bracket and separate it from the stiff arm. Then align the bracket on the boom in space outlined by marker before
- Tack weld the bracket in the position and lift the stiff arm to align in the plate. Please ensure stiff arm is aligned inside bracket bosses and not twisted before full weld
- At this stage please check the distance "A" and maximum opening "B" as shown in Figure:1
- Use 10mm multiple pass fillet 20-40mm on sides of bracket then taper grind the weld