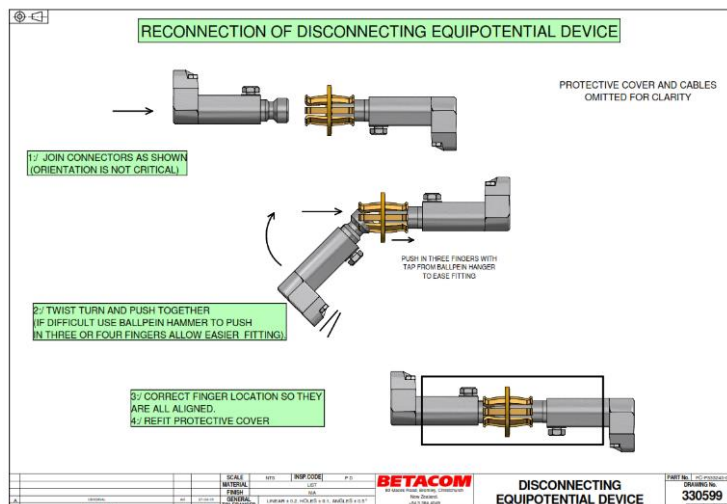




## Update on New Breakaway Bonding Lead for EWPs

<b>LINE CLAMP 38 HANDLE ASSEMBLY</b> HANDLE LENGTH 0.6m FIBREGLASS 339908	<b>EARTH CABLE CAPACITY/LENGTH</b> 50mm TESTED TO 10kA FOR 1s LENGTH 2.6m +/- 50mm 338750	<b>CUSTOMISED SET</b> CUSTOMER NAME CUSTOMER AUTHORISATION SET COMPLIES WITH REQUIREMENTS OF IEC 61230																								
<b>TEST REGIME</b> <b>MECHANICAL LOADING</b> Central coupling load test is 22.5kg(min) 35kg (max) <b>ELECTRICAL RESISTANCE</b> 1) Clamp to Clamp = 1200 micro-ohms (max) 2) Across central disconnect = 125 micro ohms (max)	<b>TEST POINTS</b> SERIAL No. J330001 120mm 3/4" HS W.O.F. EARTH BAG LENGTH 0.85m 334852 EARTH CABLE CAPACITY/LENGTH 50mm TESTED TO 10kA FOR 1s LENGTH 0.4m +/- 25mm 338750 EARTH CLAMP ASSEMBLY 331754	<b>EQUIPOTENTIAL DISCONNECT DEVICE</b> FOR BUCKET TRUCK TO LINE BONDING 333240																								
<table border="1"> <tr> <td>B</td> <td>Device Name updated</td> <td>18-10-17</td> <td>P/C</td> <td>FC-P330599-00</td> <td>SCALE</td> <td>NTS</td> <td>BETACOM</td> </tr> <tr> <td>A</td> <td>ORIGINAL ISSUE</td> <td></td> <td>DATE</td> <td></td> <td>DRG No</td> <td>330599</td> <td>DESCRIPTION</td> </tr> <tr> <td colspan="2">AMENDMENT HISTORY</td> <td>DATE</td> <td>DRAWN BY</td> <td>G.R.C.</td> <td>DATE</td> <td>27.04.17</td> <td>ELEVATED WORK PLATFORM – EPZ BREAKAWAY BOND – PED</td> </tr> </table>			B	Device Name updated	18-10-17	P/C	FC-P330599-00	SCALE	NTS	BETACOM	A	ORIGINAL ISSUE		DATE		DRG No	330599	DESCRIPTION	AMENDMENT HISTORY		DATE	DRAWN BY	G.R.C.	DATE	27.04.17	ELEVATED WORK PLATFORM – EPZ BREAKAWAY BOND – PED
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### Description

- These devices are available from Betacom. Their drawing above on the left shows the minimum disconnecting mechanical load of 22.5kgs and maximum load of 35kgs that each individual lead is tested to at the time of manufacturing. This drawing also provides electrical test results as well.
- The drawing on the right shows the correct reconnection process for the device. Note that the fingers must be all aligned in the machined groove in the receiving connector.
- The HIANZ booklet (Version 2, June 2016) 'Using elevating work platforms safely' limits the maximum allowable side force (tethering) to 400N (40kgs). The breakaway bond meets this requirement.

### Outcome

- A working group are engaged with EWP manufacturers and hire companies to look to have permanent earthing plates welded to their machines, both at ground level and on the platform.
- TP Service Providers will need to bolt/test the installation of copper strap/galvanized steel plate to the dedicated Plates fitted by the manufacturer or retrospectively by the hire company to the manufacturers specification.
- Please note: To allow time the existing interim measure of installing a 25kA lead from a dedicated earthing lug on the chassis of an EWP to the conductor can be used up till the 30<sup>th</sup> June 2019. At this time TP will review the industry position on permanent Earthing Plates on all hired MEWPs to see if we are in a position to only allow Breakaways bonds to be used. This is our preferred position in time.

Name	John Antony Wilson
Position	Service Delivery Manager
Mobile	021 655 436
Email	<a href="mailto:John.wilson2@transpower.co.nz">John.wilson2@transpower.co.nz</a>