

GirderFix Launch

March 2013



What is GirderFix?

- A patented solution for connecting two steel sections together at 90 degrees to each other. This is a totally new design that requires no fabrication of location plates, and provides a flexible and cost effective connection with a guaranteed load rating.
- GirderFix delivers:
 - A cost effective connection
 (Equal to that of a standard BeamClamp assembly)
 - Guaranteed loading of 1 ton with a 5 to 1 factor of safety
 - Requires no engineering
 - Installs quicker than traditional clamps or alternative methods.
 - All the benefits of clamping





Features and Benefits

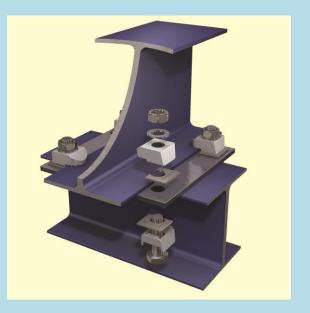
GirderFix provides a unique method of joining steel together but adopts the same concept as our existing BeamClamp Products. The main benefit is that this is an off the shelf solution that requires no off site fabrication of location plates or brackets. Below is a full list of features and benefits that are listed in our new literature:

Features	Advantages	Benefits
No fabrication of plates or clamps required	Available off the shelf	Considerably reduces lead times
No drilling or welding to the existing structure	No on-site power required	Reduced installation times and no need for relocating equipment
Easy re-alignment of steel members	Eliminates remedial work due to steel misalignment	Provides on site flexibility
No heat or sparks Generated	No hot work permit is necessary	Reduction in installation cost and administration time
Installation by semi-skilled labour	No need for specialist skills or equipment	Reduction in hire and installation costs
Tested at a third Party test facility	Documentation to prove the testing	Confidence that the connection is guaranteed
Hot Dipped Galvanised Finish	No requirements for post connection touch up	Reduction in installation time and confidence in the finish
Sults a wide range of standard steel sections	A one stop shop for most connections	Reduced sourcing costs for users
Guaranteed loading and factor of safety	No on-site testing required or reliance on the skill of the installer	Reduction in installation time and peace of mind that every connection will perform as stated
Provides a flush steel to steel connection	No location plate or spacers required	Saves time on re-design due to height level changes

GirderFix vs. Standard BeamClamps

- Available off the shelf ready to make the connection
- No location plate required so no height changes between steel sections are required
- Flexibility for slight variances in Beam widths due to connecting fasteners
- Even faster assembly time due to less components
- Allows easier maintenance for re-location due to the clamping action Note:

GirderFix is designed to make 90 degrees connections. For alternative angles please see our Fast-Fit product.





Girder-Fix vs. Fast-Fit

- GirderFix is more cost effective
- GirderFix is a totally new design in the market
- Girderfix can provide safe relocation of unsupported beams
- GirderFix can connect wider steel sections between 80mm (3–3/16") to 250mm (9-13/16")
- Fast-Fit can connect 65mm (2 1/2") to 190mm (7 1/2") wide steel sections





Literature / Website

Literature

We have created a four page pdf that incudes a time comparison to show how much time can be saved by using the GirderFix system. We have not included costs as these soon go out of date, however, costs can be applied by the individual to work out their saving. A step by step installation guide is also shown to show how easy it is to install.



NO SITE DRILLING OR WELDING
 EASILY ADJUSTED
 RAPID INSTALLATION IN UNDER 5 MINS
 NO FABRICATION OF PLATES OR CLAMPS

and the second	What is the Girde							
Green with reserve					Dim B (mm)	Dim C (mm)	Dim D (mm)	Dire (mr
provides a way to connect two steel se	ctions together without			80		60		-
he need for on-site drilling or welding, with four clamps to connect into east			GF0L1T	80	55	60	80	0
teel sections cross over and all that			Linking	Easte	nore			
he connection are some linking fa			Linking	raste	ners			
specification. The specification and in eruth is explained on the opposite page		-	The bolts	or sets	crews	should	be M1	0 gra
The GirderFix system provides a provide in the system provides a provide the transmission of transmission of transmission of the transmission of t	out the need for on-site		The lengt that the t the same	bolt will	be inst	talled. V	When b	wo se
rotective coatings on the existing steel		1 45 m						
nake each connection. Every connection	on is made using simple		Bolt Len			-		
and tools and semi-skilled labour. The rest to re-adjust for initial alignment of			e.g. Bean				100	
e-positioning purposes.			Bolt leng					
he clamping action of the GirderFi	provides a very high							
rictional capacity for the size of the c			Bolt Len			- 20-		
							en	
hen side loads are applied.								
	ix and what benefit	s does it provide?	e.g. Bean Bolt leng	pth 2 = 9	Omm			
	ix and what benefit	s does it provide? Benefits	Bolt leng		Omm Fix Mus	T NOT be	Isstenen	s to
Why use GirderFi Features			Bolt leng	th 2 = 9 The Goden the comec join the ter ation P	Omm Fix Mus t specific or clamp TOCEI	t NOT SE catiles of a la sada	Contart 1	s to logeth
Why use GirderFi Peatures No transcation of plates or clamps regarding No diffing or weaking to the existing structure	Advantages Available off the shelf No on-site power required	Benefits Considerabuly reduces (eud times Reduced installation times and no need for relocating equipment	Bolt leng	th 2 = 9 The Girden the correct join the ter ation P stall the for by hand er	Omm Fix Mus I specifi ar clamp TOCEI ret Groe	t NOT be cation of a in each dure this cam t is as	Contart 1	s to logethe STE err2
Why use GirderFi Peatures No tablecition of plates or clamps on onting or weaking to the existing structure Casy re-altigement of steel members	Advantages Available off the shelf No on-site power required Eliminutes remedial work due to steel mists alignment.	Benefits Considerability reduces lead times Reduced installation times and no need for relocating equipment Provides on site finability	Bolt leng	th 2 = 9 The Girden the correct join the ter ation P stall the for by hand er	Omm Fix Mus I specifi ar clamp TOCEI ret Groe	t NOT be cation of a in each dure this cam t is as	Contart 1	s to logeth STE en:5
Why use GirderFi Peatures to state classic or classic working or westing to the existing structure Carsy re-alignment of steel memory to heat or spatia Gamerated	Advantages Available off the shalf No on-state power required Eliminates remodul work due to steel mins alignment is necessary.	Benefits Considerability reflects Considerability reflects Reduced installation times and no need for indexiding equipment Provides on site finability Reductions installation scott and administration since	Bolt leng	th 2 = 9 The Girden the correct join the ter ation P stall the for by hand er	Omm Fix Mus I specifi ar clamp TOCEI ret Groe	t NOT be cation of a in each dure this cam t is as	Contart 1	s to logethe STE err2
Why use GirderFr Peters No state data or plates or campo expension on other weaking to the existing attention. Carp re-alignment of star mentions no total or queries Generated metalation by series attention	Advantages Available of the shaft No on-site power required Eliminates smendul work due to steel miss alignment No lot work premit is insetsary. No need for specialist shifts or equipment	Benefits Constitutionally reduces lead times Reduced tracitations times and no need revoluting regroupment Provides on site floatility Reduction in in installation costs Reduction in in the will restellation costs	Bolt leng	th 2 = 9 The Girden the correct join the ter ation P stall the for by hand er	Omm Fix Mus I specifi ar clamp TOCEI ret Groe	t NOT be cation of a in each dure this cam t is as	Contart 1	s to logethe STE err2
Features No statications of plates or clamps you statications of plates or so stating or weating to the existing structure Casy ro-alignment of state members no beat or spanis Generated installation by sens-skilled labour Tested at a third Party lost facility	Advantages Available off the shart No lon-the preserverguided Elisimulars anneadur work due to sheet initia alignment a locit at work present a resentary No need for specialist shifts or equipment Optimumatation to prove the testing	Benefits Considerably refuelse law three Refuelse law three Refuelse law three Refuelse shall be for biology Refuelses in the for biolity Refuelses in the for biolity Refuelses in the for and installation rests Conference to the convection is guaranteed	Bolt leng	th 2 = 9 The Girden the correct join the ter ation P stall the for by hand er	Omm Fix Mus I specifi ar clamp TOCEI ret Groe	t NOT be cation of a in each dure this cam t is as	Contart 1	s to
Why use GirderFi Peaking No statistication of plants or clamps non-stramp existing to the solution Cargo s-alignment of allow measures the statistication by series eakined labour metalitation by series eakined labour	Advantages Available of the shaft No on-site power required Eliminates smendul work due to steel miss alignment No lot work premit is insetsary. No need for specialist shifts or equipment	Benefits Constitutionally reduces taken Constitutionally reduces taken Constitutionally reduces taken Constitutional of the Constitution Constitution of the Constitution Cons	Bott lengt	th 2 = 9 The Ginden Join the correct Join the for station P stati the for by hand en the corrects	Omm Fit Muss t specific sectors Froce Correct sectors secto	tr NOT be cation of in in its match dure of its us ible.	p into	STE enclosed
Why use GirderFi Patares Notacitant give in a case of the second second second second second second second second second second second second second second metalation is sense same lateral metalation is sense same lateral	Advantages Available of the shaff No on-sha power required On-shafp ower required to ball and and power. No head for permit in recessory No need for specialist shifts or equipment Occumentations to prove the testing No requirements for post connection.	Benefits Considerability reliance land filmes Reduced installation times and no need for initiality explorated Reduction in initialities reprint and Reduction initialities reprint and Reduction in initialities reprint and Reduction initialities reprint and Reduction in initialities reprint and Reduction in initialities reprint and Reduction in initialities reprint and Reduction initialities reprint and Reduction in initialities reprint and Reduction i	Bott leng	th 2 = 9 The Ginden Join the correct Join the for station P stati the for by hand en the corrects	Omm Fit Muss t specific sectors Froce Correct sectors secto	tr NOT be cation of in in its match dure of its us ible.	p into	s te tegette stE ensk cont sout
Why use GirderFr Parlarse Negative Negative Sector of galaxies of any sector of galaxies of any sector of galaxies of any No local of galaxies any sector of galaxies any sector of galaxies of any metallitors in sector of any test of any end sector of any sector of galaxies of an	Advantages Available of the sheet No code power required Disolutions remodule work due to beet miss adjurned No los work previous a sectoary. No need for apenialist chills or experiment Decomentation to prove the leading No requirements for prot convection thanks and	Bacefits Constitutionally reduces level droves Reduced in translations and an or several Provides on the floatings Provides on the floatings Reductions in translations rest and Reductions rest and Reduc	Bott lengt	th 2 = 9 The Ginden Join the correct Join the for station P stati the for by hand en the corrects	Omm Fit Muss t specific sectors Froce Correct sectors secto	tr NOT be cation of in in its match dure of its us ible.	p into	s to logethe STE



Website

The Girderfix will feature in our new www.beamclamp.com site



Testing / Technical

- The product has been tested as a "full" system for tensile and frictional static loading at CERAM
- The full test report is available on request
- We are naming the GirderFix GFIX1t with the 1t standing for 1t. This is stated in the catalogue as 10kN or 2248lbs. This covers both and imperial and metric ton. Our research would suggest that a 1t system with a 5 to 1 Factor of safety will cover the majority of secondary steel connections within its target market.

ceram	Queens Road, Penithul, Stoke-or-Tien Staffordshina, ST4 7LO, U
TON I SUSTAINABUTY I QUALITY	Teb: (customer enquines) +44 (0/1782 78442
	tel: Iswitchboord1 444/091782 70440 fax: +44/091782 41293
	email: enquiriesi@ceram.com web: veve.ceram.com
	TEST REPORT
Ceram Reference:	124967 (QT23665/1/SL)/Ref. 1.0A
Project Title:	Testing of GirderFix 1t System
Client:	Kee Safety Limited 1 Boulton Road
	Reading
	Berkshire
	RG2 0NH
For the Attention of:	Mr Paul Bowes
Author(s):	Mr Dave Dix
Report Date:	20 November, 2012
Purchase Order No.:	STD414923
Work Location:	Ceram UK
This report supersedes the r	Riedo
Jame Cal	report Issued on DS. 11. 12. ADDA-D Mr Dave Dix Consultancy Team
Jame Cool	ADDED Mr Dave Dix
Jame Boli Miss Joanne Booth Consultancy Team	Alland Mr Dave Dix Consultancy Team
Jame Boli Miss Joanne Booth Consultancy Team	Alland Mr Dave Dix Consultancy Team
Jame Boli Miss Joanne Booth Consultancy Team	Alland Mr Dave Dix Consultancy Team
Jame Boli Miss Joanne Booth Consultancy Team	Alla-D Mr Dave Dix Consultancy Team
Jame Boli Miss Joanne Booth Consultancy Team	HILDAVE DIX Mr Dave Dix Consultancy Team Project Manager
Hama Eoch Miss Joanne Booth Consultancy Team Reviewer	Alla-D Mr Dave Dix Consultancy Team

Kee[®] Safety

Packaging

• It is important to note that a warning label has been added to the top of the box to ensure the user is clear that they must use linking fasteners with the Clamps.







• One IFU has been designed in Metric and Standard units to cover all territories and will be placed at the tope where the box will be opened.







Kee Safety International Ltd Cradley Business Park, Overend Road, Cradley Heath B64 7DW, United Kingdom Tel: +44 (0) 1384 632 398 Fax: +44 (0) 1384 632 399 Email: exportenquiries@keesafety.com Website: www.keesafetygroup.com

