

Bodycote Materials Testing Ltd, Teesside Laboratory, Holwick Road, Riverside Park, Middlesbrough, TS2 1QS
 Tel: 01642 250336, Fax: 01642 250337

Test Certificate

PENN FABRICATION LTD
 3 ARMSTRONG ROAD
 WASHINGTON
 DISTRICT 2
 TYNE & WEAR
 NE37 1LH

REF No T303252 : Issue 1
 Ord No TBA
 Date Tested 26/06/03
 Date Reported 30/06/03

Attn: MR H BARSK

Item _____ - 9 OFF STUD CLIPS

Specification - PRODUCT SPECIFICATION NOT APPLICABLE

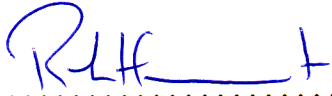
Load Test - Client Requirement			
	Position	Details	Comments
001:Failure Load	R1437/01	90 DEG UPWARDS	* 2493kg/54981bs - FAILURE IN TRACK AND DEFORMATION OF RING
002:Failure Load	R1437/01	PARALLEL TO TRACK	* 1577kg/34771bs - FAILURE IN CLIP AND DEFORMATION OF RING
003:Failure Load	R1437/01	90 DEG TO TRACK	* 1766kg/38931bs - FAILURE IN TRACK AND DEFORMATION OF RING
004:Failure Load	R1434/01-36	90 DEG UPWARDS	1633kg/36011bs - FAILURE IN RING
005:Failure Load	R1434/01-36	PARALLEL TO TRACK	1198kg/26411bs - FAILURE IN TRACK AND DEFORMATION IN RING
006:Failure Load	R1434/01-36	90 DEG TO TRACK	929kg/20481bs - FAILURE IN TRACK AND DEFORMATION IN RING
007:Failure Load	R1434/01	90 DEG UPWARDS	* 1744kg/38461bs - FAILURE IN TRACK AND DEFORMATION OF RING
008:Failure Load	R1434/01	PARALLEL TO TRACK	See Below
009:Failure Load	R1434/01	90 DEG TO TRACK	* 1146kg/25261bs - FAILURE IN CLIP AND DEFORMATION OF RING
Item 08: 1014kg/22631bs - FAILURE IN TRACK AND DEFORMATION OF RING AND CLIP			

Certificate Comments

* FIXED TO MIDDLE OF R1438 TRACK AND R1439 BACK PLATE

----- End of Text -----

Tested by BODYCOTE TEESSIDE LTD.


 R.L. HANNANT.
 OPERATIONS MANAGER
 For and on authority of
 Bodycote Materials Testing Ltd