



R1003BBR

Swivel fitting,
cylindrical head.
For single glazing.

R1039BBR

Swivel fitting, cylindrical head
insulated glass unit.
Fixed on one layer of glass only.

Explosion Test Report Summary	
SADEV	
Report No: CCL_012014	March 2012
Blast Enhanced Rotule	
Test No:	1
Client:	SADEV 76 Chemin des Poirés BP No. 28 74330 Polisy France
Manufacturer:	SADEV
Product Type:	BBR R1003
Pane Size:	1750mm (W) x 2000mm (H)
Glazing:	19.52mm Laminated glass pane: (12mm Toughened/1.52mm PVB/6mm Heat Strengthened)
Test Specimen:	Delivered by manufacturer
Test Requirements:	100kg TNT at 25m
Performance:	In accordance with ISO EXV 25, Hazard rating C-Minimal Hazard
Date of test:	6/10/2012
Notes:	For commercial in confidence reasons the detailed drawings and description of the rotule is not issued to the public, but is included within the full test report.

ISO EXV16993
Test - Certificate

Due to the confidential nature of this document, it is not available for general release.
Should you need a copy, please write to the address below.

SADEV®
ARCHITECTURAL GLASS SYSTEMS

Tél.: +33 (0)4 50 08 39 00 Fax: +33 (0)4 50 08 39 49 E-mail: info@sadev.com
www.sadev.com

Recommended by;



29 Avro Way, Brooklands Business Park
Weybridge, Surrey. KT130YZ
Tel: 01932 336080 Fax: 01932 347080
email: tech@kiteglass.co.uk
www.kiteglass.co.uk

UK & Ireland Sole Distributor;



Unit 8 Dolphin Point, Dolphin Way,
Purfleet, Essex. RM19 1 NR
Tel. 01708 891515 Fax: 01708 891516
email: sales@barrier-components.co.uk
www.barrier-components.co.uk

INNOVATIVE SOLUTIONS
FOR POINT FIXED GLASS FAÇADES

Photos credit: Mike Crossley - Vision Actuelle. Non bending documentation - RCS Annecy 410 187 280 - 05/2012 - Design: www.future-creation.com



BOMB BLAST ENHANCED SYSTEM



SADEV®
ARCHITECTURAL GLASS SYSTEMS



Number one in Bomb Blast Enhanced System with **R1003 BBR®** & **R1039 BBR®**

With the increase of terrorist attacks, protecting building occupants from blast effects is an international focus of current R&D. In order to allow the construction of safe and secure public buildings, a brand new and effective bolt fixed system has been developed for point fixed glass façades.

Features and benefits:

High performance in UK tests.

Manufactured in France from stainless steel 316.

40° articulation absorbs impact of explosion and deflection.

can be installed on both single and double glazing.
No thermal bridge.

Tested in accordance with ISO 16933 requirements.

Wide range of SADEV spiders.
Non specified glass.

Project specification assistance provided.



The trials were undertaken to determine the response of the bolt fixed glazing panes to a typical vehicle borne improvised explosive charge, such as the 100kg device used in the blast assessments of major UK infrastructure.

A first trial was made using a large steel test cubicle which validated the performance of the bolt systems albeit with smaller window pane sizes that would be used in a commercial glazing project. The panes remained attached at a 25 m range.

A further blast trial of these bolt fixed systems was undertaken also at a 25 m range, this time with glass pane sizes more typical of a commercial bolt-fixed glazing installation. All six panes were retained in place by bolt fixings.

