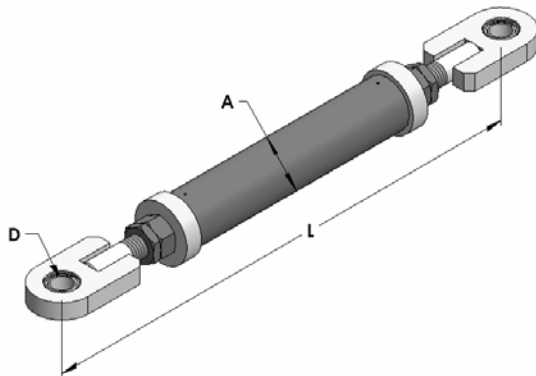


Introduction

Rigid Struts are a rigid connection between a piping system and supporting structure. They offer a pivot connection, allowing a small angular displacement (+/- 7 degrees) whilst maintaining a rigid connection in both compression and tension. This allows a pipe movement due to thermal expansion in singular direction.

When Ordering please quote Part No. for required load and centre dimension 'L'



Material	
Strut Body & Ends	Carbon Steel
Surface Finish	
Strut Body	Hot Dipped Galvanised
Ends	Zinc Plated

General Notes

- Please refer to page 3 for material standards and specifications.

Description	PIPE SIZE (A)	Fixing Dimensions		Maximum Load (kg)	Part No.
		Hole Diameter (D)	Minimum Centers (L) (Maximum = 3,000mm)		
BG350 Rigid Strut 500kg	32NB Sch 40	20	551	500	350001
BG350 Rigid Strut 1,000kg	40NB Sch 40	25	608	1,000	350002
BG350 Rigid Strut 2,000kg	50NB Sch 40	30	650	2,000	350003
BG350 Rigid Strut 4,000kg	65 NB Sch 40	30	675	4,000	350004
BG350 Rigid Strut 6,000kg	80NB Sch 40	35	725	6,000	350005
BG350 Rigid Strut 8,000kg	80NB Sch 40	40	812	8,000	350006
BG350 Rigid Strut 10,000kg	100NB Sch 40	45	873	10,000	350007
BG350 Rigid Strut 15,000kg	100NB Sch 40	50	938	15,000	350008
BG350 Rigid Strut 25,000kg	150NB Sch 40	60	1124	25,000	350009
BG350 Rigid Strut 60,000kg	200NB Sch 80	70	1470	60,000	350010

Construction

Rigid Struts are manufactured from thick walled pipe with threaded end connection plates welded to the pipe in left and right handed threads to facilitate installation.

End Connections

The end connections are fitted with captive, self aligning spherical bearings to allow some angular displacement and connection to Binder pipe clamps and BG355 End attachments. Accurately machined load pins as supplied with BG355 end attachments should be used to prevent vibration.

Right and left hand threaded shafts provide the facility for on site installation and adjustment to the operational length.

Load Capacity

Compressive and Tensile loads up to 60,000 kg can be accommodated within the standard design range.

Strut Length

Rigid Struts are available from 550mm to 3000mm in length (load Pin centers). Clients must nominate the desired load pin center dimension 'L'.

Installation

End Attachments should be fully seal welded to support structure. Threaded end connections are then adjusted to the required length and connected to pipe clamps or opposite structure. Sight holes are located at each end of the Strut to check full thread engagement.

Final assembly is accomplished by tightening the two lock nuts on each end of the Strut.

BG355 End Attachments must be ordered separately.

Finish

Standard Finish is HDG with Zinc plated end connectors. Other Finishes are available on request.