

AN INTRODUCTION TO EASYFLEX SEISMIC KIT

Easyflex Seismic Kit are designed and engineered to brace and secure non-structural equipment and services within a building or structure to minimise earthquake damage to suspended services.

Easyflex Seismic Kit are ideal for use on non-structural equipment and services requiring seismic support, such as essential facilities that are required for emergency operations in the aftermath of an earthquake.

Advantages:

- Complete pre-engineered systems
- Easyflex offer a complete system
- No additional swaging required on site
- Up to 10 times faster to install
- No tools required

THE DIFFERENCE BETWEEN STRUCTURAL AND NON-STRUCTURAL COMPONENTS

Structural components are made up of roofs, floors, beams, columns, foundations, walls, whereas non-structural components are architectural elements, mechanical and electrical equipment and supplies and other building furniture.

Non-Structural components are very important in the correct functioning of a building in the aftermath of an earthquake. Bracing these systems ensures higher safety levels for the occupants of the building.

EASYFLEX SEISMIC KIT AND IDENTIFICATION

The Easyflex Seismic Kit are available in kit form, comprising:

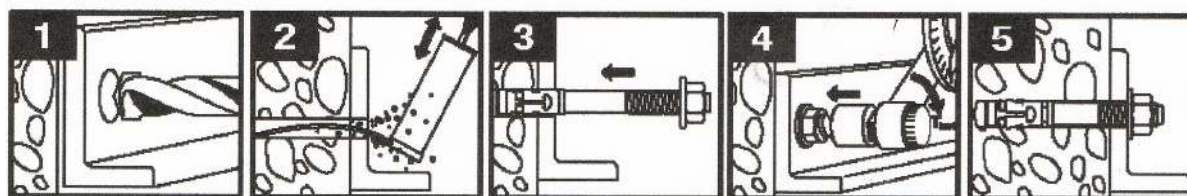
- Pre-determined length of wire, with a seismic bracket end
- Seismic rod bracket
- Easyflex



Easyflex Seismic Kit are colour coded so as to ensure easy recognition of wire diameter in buildings:



EASYFLEX SEISMIC KIT - FAZ II CEILING ANCHOR INSTALLATION OF THE FAZ II



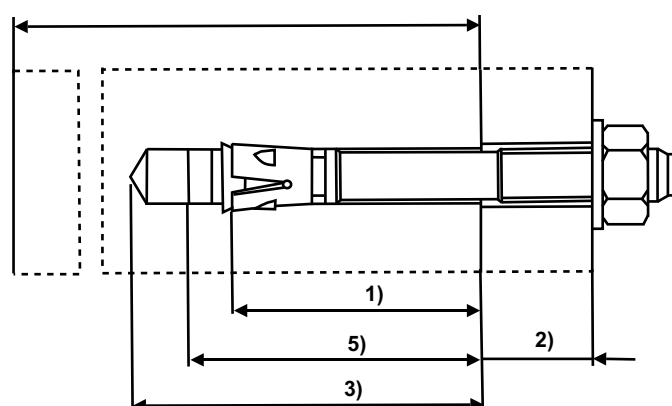
Step 1: Drill the hole by using the correct metric bit diameter. Drill hole to minimum required hole depth or deeper

Step 2: Remove drilling debris with a blowout bulb or with compressed air

Step 3: Using a hammer, tap the anchor through the part being fastened into the drilled hole until the washer is in contact with the fastened part. Make sure that the minimum required effective anchorage depth is kept and that the maximum thickness of fixture is not exceeded

Step 4: Using a torque wrench, apply the specified installation torque

FAZ II INSTALLED



- 1) Effective anchorage depth
- 2) Thickness of fixture
- 3) Drill hole depth
- 4) Min thickness of concrete member
- 5) Distance between the embedded end of the anchor and the concrete surface

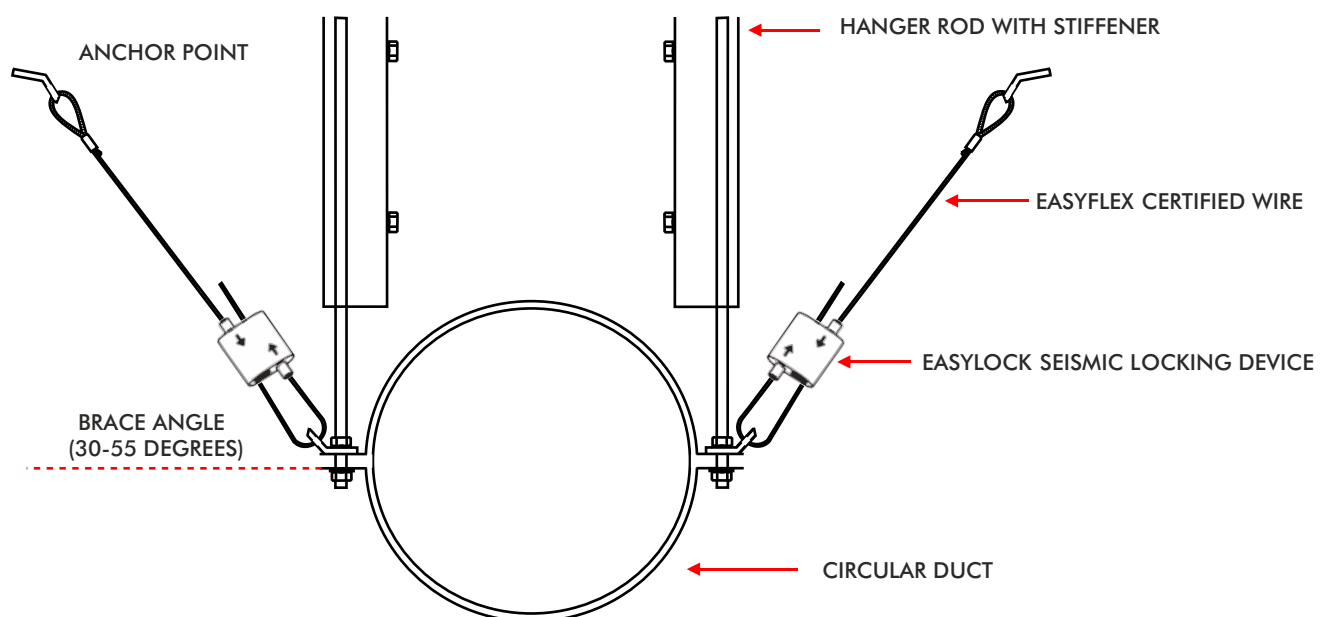
EASYFLEX SEISMIC KIT - BRACING METHODS

There are two different types of seismic bracing methods:

- Transverse Bracing
- Longitudinal Bracing



Transverse Bracing

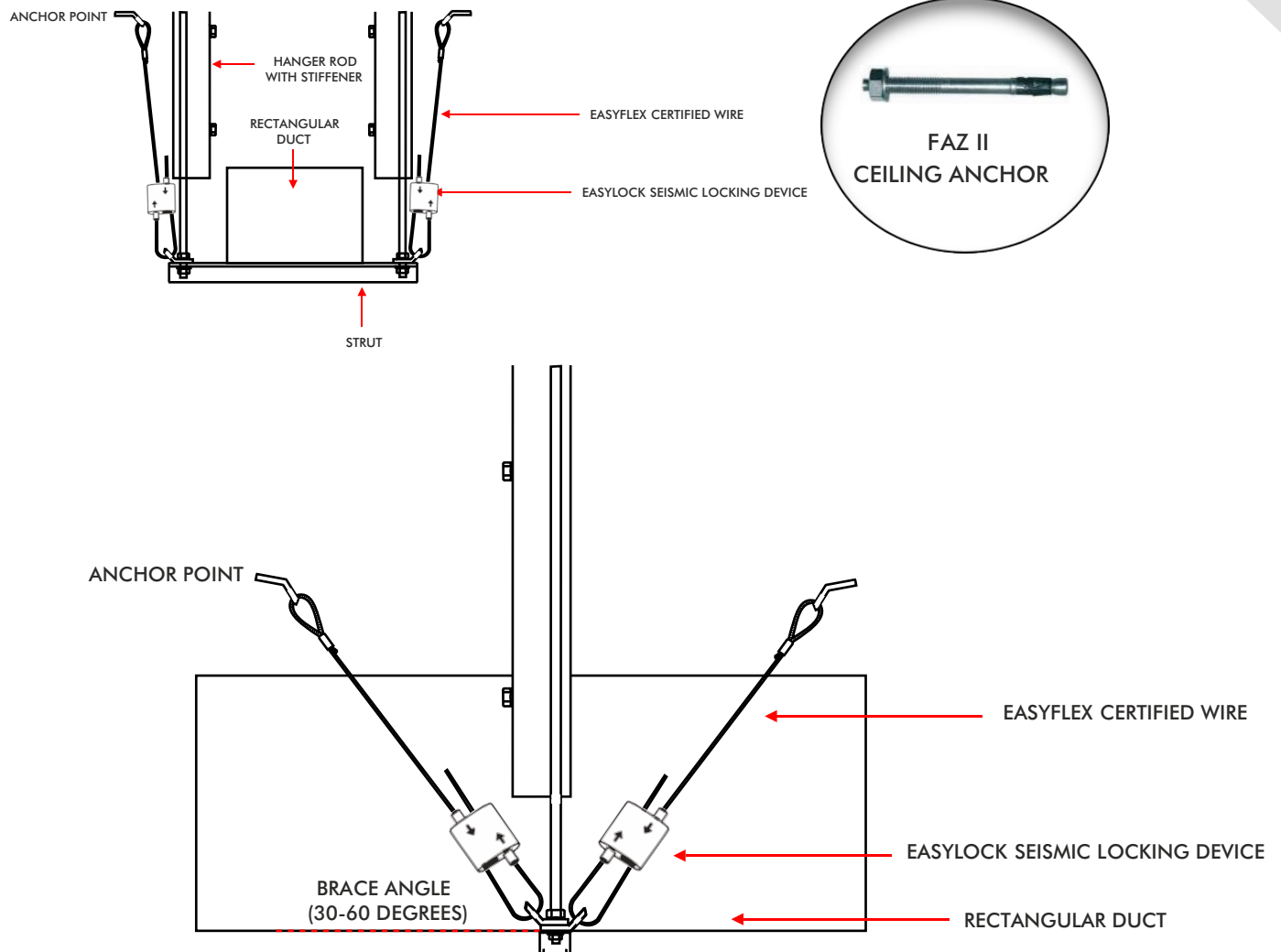


Transverse bracing restrains seismic forces perpendicular to a run of braced piping, equipment or ductwork. During an earthquake, a vertical force may be generated, therefore rod stiffeners are required so as to ensure the rod does not buckle.

MAXIMUM BRACE SPACING LIMITS FOR TRANSVERSE BRACING:

MATERIAL TYPE	PIPING DIAMETER	SPACING
Ductile	Minimum 2.48"	12 Metres
Ductile	Maximum 2.48"	9 Metres
Non-Ductile		6 Metres

Longitudinal Bracing



Longitudinal bracing restrains seismic forces parallel to a run of braced piping or ductwork. During an earthquake, a vertical force may be generated, therefore rod stiffeners are required so as to ensure the rod does not buckle.

MAXIMUM BRACE SPACING LIMITS FOR TRANSVERSE BRACING:

MATERIAL TYPE	PIPING DIAMETER	SPACING
Ductile	Minimum 2.48"	12 Metres
Ductile	Minimum 2.48"	9 Metres
Non-Ductile		6 Metres

EASYFLEX SEISMIC KIT - PRODUCT CODES

PRODUCT CODE	DESCRIPTION	SAFE WORKING LOAD (lbs)
EFSK-2R	Seismic Kit R 2 Metres	220
EFSK-3R	Seismic Kit R 3 Metres	220
EFSK-5R	Seismic Kit R 5 Metres	220
EFSK-2B	Seismic Kit B 2 Metres	586
EFSK-3B	Seismic Kit B 3 Metres	586
EFSK-5B	Seismic Kit B 5 Metres	586
EFSK-2GY	Seismic Kit GY 2 Metres	1349
EFSK-3GY	Seismic Kit GY 3 Metres	1349
EFSK-5GY	Seismic Kit GY 5 Metres	1349
EFSK-2N	Seismic Kit N 2 Metres	2646
EFSK-3N	Seismic Kit N 3 Metres	2646
EFSK-5N	Seismic Kit N 5 Metres	2646
EFSKB/R	45 Degree Bracing Bracket for Rod Suspensions	N/A
FAZ II M10	M10/M12 & M16 Seismic Strength Anchor	N/A

EASYFLEX SEISMIC KIT - INSTALLATION STEPS

