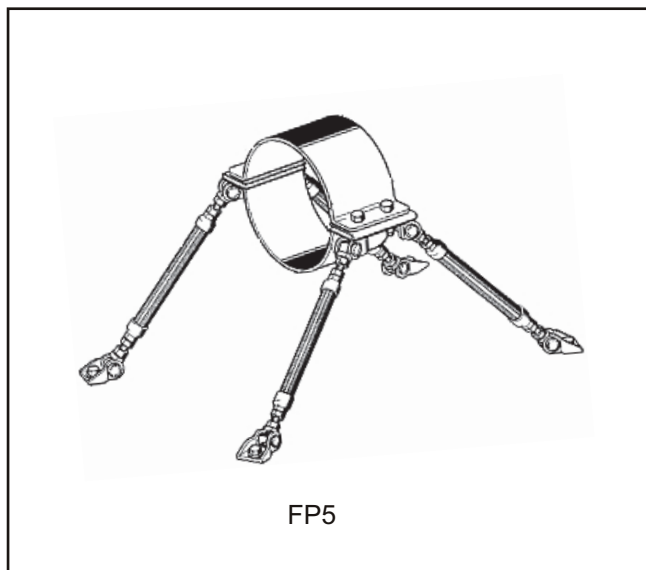


# FIXED POINTS (MODULAR ANCHORS) Model FP5



## APPLICATIONS

These fixed points offer a modular approach to anchoring pipes from ceilings, floors and walls. Standard construction is from steel with BZP finish, but stainless steel can be provided upon request.

These may be attached to the building structure as follows:-

- Ceiling mounting
  - Floor mounting
  - Wall mounting for rising pipes
  - Wall mounting for horizontal pipes\*
- \*NB only when the pipe weight is supported by other means*

These models can be used accordingly on stainless steel, carbon steel or copper pipes for the following applications:-

- Low Temperature Heating (LTHW)
- Medium Temp. Heating (MTHW)
- High Temp. Heating (HTHW)
- Domestic Hot Water (DHWS)
- Steam and Condensate

Pipe Size DN (mm)	Clamp Ring [W x T] Fixing	Tightening Torque (Nm)	Height to Pipe Axis (mm)	Maximum Force (N)	Product Code (MODEL-BRACE-SIZE-HEIGHT-O.DIA.)
The pipe size DN, clamp ring and tightening torque for each model is the same irrespective of height to pipe axis, maximum force and bracing.			250	8000	FP5(BZP)-M12-###-0250-(###)
			400	5000	FP5(BZP)-M12-###-0400-(###)
			500	3000	FP5(BZP)-M12-###-0500-(###)
			350	16000	FP5(BZP)-M16-###-0500-(###)
			500	8000	FP5(BZP)-M16-###-0500-(###)
			600	5000	FP5(BZP)-M16-###-0500-(###)
			500	24000	FP5(BZP)-1/2-###-0500-(###)
			750	10000	FP5(BZP)-1/2-###-0750-(###)
			1000	4000	FP5(BZP)-1/2-###-1000-(###)
			500	35000	FP5(BZP)-3/4-###-0500-(###)
			1000	14000	FP5(BZP)-3/4-###-1000-(###)
			1500	7000	FP5(BZP)-3/4-###-1500-(###)
			500	35000	FP5(BZP)-1-###-0500-(###)
			1000	32000	FP5(BZP)-1-###-1000-(###)
			1500	15000	FP5(BZP)-1-###-1500-(###)
15 to 40	[80 x 5] M16	50	The height to pipe axis and maximum force for each model is the same irrespective of pipe size.		
50 to 80	[80 x 6] M16	80			
100 to 250	[100 x 6] M16	100			
300 to 500	[100 x 8] M16	100			
e.g. FP5(BZP)-M12-015-0250-(022) FP5(BZP)-M16-040-0500-(049) FP5(BZP)-1/2-050-0750-(061) FP5(BZP)-3/4-100-1000-(114) FP5(BZP)-1-300-1500-(324)					

## SPECIFICATION

FP5(BZP) - a heavy BZP steel pipe clamp ring with four BZP steel universal bracings (threaded rods or tubes, depending on force).

FP5(SS) - as above, but with stainless steel clamp rings. The maximum forces in the table apply equally to the st. steel model.

FP5(NYL) - as above, but with nylon coated steel clamp rings. The maximum forces in the table do not apply to the nylon coated model.

The maximum force stated in the table is for thick walled steel pipes only when used with the BZP steel clamps at the stated tightening torque for the particular pipe size. These forces do not apply to nylon coated steel clamps used on copper or thin walled steel or stainless steel pipes such as those used with press-fit systems.

Other pipe specifications can be accommodated on request. Please refer to pipe dimensions at the end of this catalogue.

## OPERATING PARAMETERS

### FP5(BZP) and FP5(SS) models

Upper Temperature Limit = 200 °C  
Lower Temperature Limit = 0 °C

### FP5(NYL) model

Upper Temperature Limit = 100 °C  
Lower Temperature Limit = 0 °C

Clamping forces of up to 35kN are possible for BZP steel clamps, but be aware that the bending moments of threaded rods or tubes restrict the application to the maximum force stated. The angles at which the braces are affixed restrict the application, the maximum force stated above is based on all braces set at 45° to the structure (side elevation) and at 22.5° from the perpendicular (end elevation).

Note that all 4 clamp ring fixings must be tightened to the stated torque settings at each pipe size, for the maximum force to be achieved; this applies to BZP steel clamps on thick walled pipes.