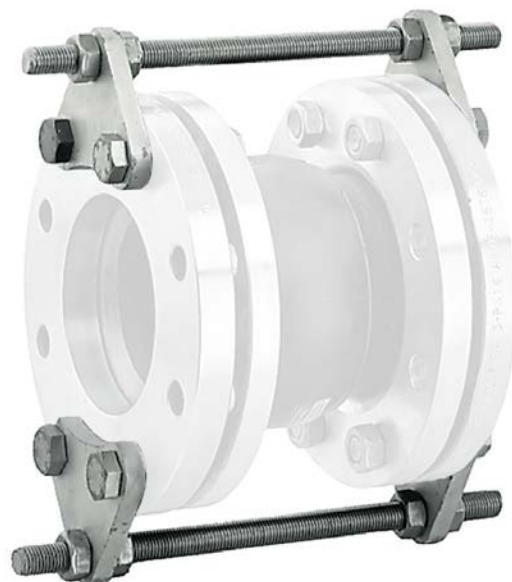
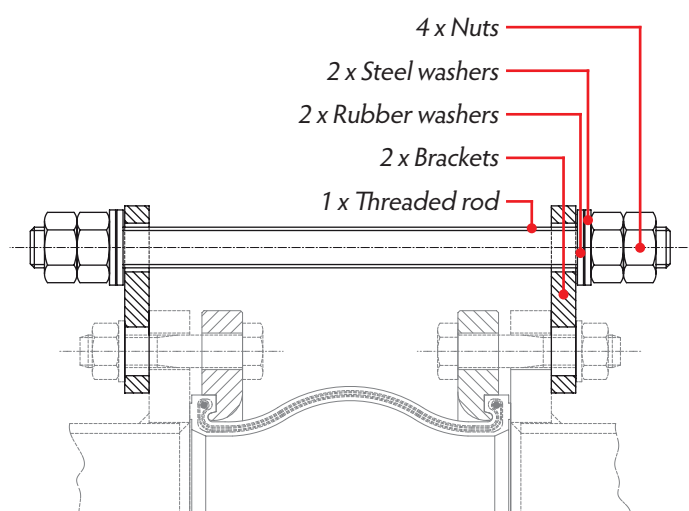




LIMIT RODS

Characteristics

- Represents an additional safety factor because they prevent a compensation joint from being submitted to further axial compression or expansion than what it was designed for. Such excessive movement could be caused by the failure of a fixing point or other components in a pipeline.
- They come supplied in individual kits comprising: 1 x threaded rod, 4 x nuts, 2 x galvanised steel washers, 2 x rubber washers and 2 x steel brackets that are pre-drilled to allow connection to the flanges used UNI, ANSI etc. (See diagram below)
- Limit rods can be used for either compression, extension, or both. The amount of movement is determined by the position of the nut stops along the rods. Nuts must be field set to no more than the maximum allowable extension movement of the rubber expansion joint.
- Internal and external nuts can also be field set to allow for no movement in the horizontal plane. This setting will allow the rubber to move laterally whilst keeping thrust forces low on adjacent equipment. Spherical washers can also be supplied (upon request) to combat any potential "nut to plate" binding during offset.



DN joint	PN bellow	TIE ROD		
		threaded rod	length	kit/joint
mm	bar	M	mm	n°
25	16	12	280	2
32	16	12 - 16	280 - 300	2
40	16	12 - 16	280 - 300	2
50	16	12 - 16	280 - 300	2
65	16	16 - 20	300 - 315	2
80	16	16 - 20	300 - 315	2
100	16	16 - 20	300 - 315	2
125	16	20	325 - 360	2
150	16	20 - 24	335 - 360	2
200	16	20 - 24	340 - 360	2
200	10	20 - 24	340 - 360	2
250	16	24	400 - 440	3
250	10	24	400 - 440	3
300	16	24	400 - 440	3
300	10	24	400 - 440	3
400	16	27	425 - 440	4
400	10	27	425 - 440	4

ATAG reserves the right to make changes without notice, by virtue of any quality improvements and/or product specifications • ott_18 rdb