



BoltEx® – Bolt Exchange Clamp – Technical Datasheet

Primary use:

The SRJ BoltEx® is a clamp that enables the safe exchange of corroded flange fasteners on pressurised piping systems, commonly known as 'hot bolting' or 'single stud replacement'.

BoltEx® clamps can also be used as a preventive safety measure to provide temporary reinforcement of flange connections which are severely degraded, and where attempting online bolt exchange is potentially hazardous.



Product features:

- Designed to accommodate flange connections compliant with ASME B16.5.
- Can be used on 4-bolt flanges that incorporate an ASME B16.48 spectacle blind in combination with a BoltEx® Extension Kit.
- Will also fit certain API flange sizes and ratings – contact SRJ for more details.
- The unique safety feature of BoltEx® - its Gasket Protection System (GPS) - ensures that flange gasket compression is maintained within acceptable limits during the process of bolt exchange.
- Compact and lightweight clamp design allows simple installation by only 1 or 2 personnel.
- Tooling access for fitment is only needed from one side, permitting clamp use in space-restricted locations such as where a flange connection is situated close to a valve.
- Reusable for multiple applications.

Technical specifications:

- The standard BoltEx® range accommodates flange sizes from ½" to 8" and flange pressure classes from 150# to 1500# – refer to product line datasheet overleaf.
- Can be used on both steel and composite material (e.g. FIBERBOND) flanges; use on composite flanges may require an Extension Kit.
- Operating temperature and pressure ranges in alignment with ASME B16.5.
- Independent design verification by Bureau Veritas, Cert No: 21ABD10415 Rev. B



BoltEx® Product Line Datasheet

BoltEx® Standard Range					
(figures in table below identify the number of flange bolts)					
NPS (Inches)	Pressure Rating (Class)				
	150	300	600	900	1500
1/2	4	4	4	4	
3/4	4	4	4	4	
1	4	4	4	4	
1 1/2	4	4	4	4	
2	4	8	8	8	
2 1/2	4				
3	4	8	8	8	8
4	8	8	8	8	8
5	8				
6	8				
8	8				

The BoltEx® standard product range is displayed above, which is based on ASME B16.5-2020 flange dimensions, pressure and temperature performance.

Non-standard BoltEx® are available on request for ASME B16.5-2020 flanges not listed above.