

BONLOK TECHNICAL PARAMETERS

PARAMETER		UNIT	SPECIFICATION		REMARKS
Tolerance of Pipe outer dimension	10≤D≤13	mm	±0.2		The outside pipe diameter is within the stated tolerance
	13.5≤D≤51	mm	±0.3		
	54≤D≤65	mm	±0.4		
	68≤D≤80	mm	±0.5		
	83≤D≤90	mm	±0.7		
	95≤D≤114	mm	±0.9		
	121≤D≤140	mm	±1.1		
	142≤D≤168	mm	±1.4		
Suitable pipes			Steel and nonferrous Pipes		Cast iron is not suitable
Wall Thickness of Common Fittings		mm	≤ Schedule 80		When Sch > 80, fittings must be customized. Contact BONLOK.
Hardness of Pipeline		HB	40Cr = 130≤HB≤180 45# = 130≤HB≤160 316L = 130≤HB≤160		Dependent on material used and the wall thickness of pipe. Contact Bonlok for further information
Surface Quality of Pipe which is in contact with the Bonlok fitting			<ul style="list-style-type: none"> Smooth, free from defects Round Cut is 90°±2° 		
Working Temperature		°C	<ul style="list-style-type: none"> Stainless Steel -196—300 Carbon Steel -40—300 		
Maximum Pressure (Working pressure × Safety Factor)	Fitting Spec (mm)	Mpa	Carbon Steel	Stainless Steel	The pressure value in the table is the value of the static pressure test with water as the medium when the indoor temperature is 20°C. Working pressure is effected by pipe material, mechanical properties of pipe, wall thickness, dimensional accuracy, surface quality, and temperature.
	6≤Spec.≤18		128	156	
	19≤Spec.≤34		112	136	
	35≤Spec.≤50		100	112	
	51≤Spec.≤65		80	72	
	68≤Spec.≤80		56	48	
	83≤Spec.≤90		48	40	
	95≤Spec.≤114		24	24	
	120≤Spec.≤140		16	16	
	142≤Spec.≤168		10	10	
Material of Main Body			Carbon Steel, Stainless Steel,		Different grades of Carbon Steel and Stainless Steel are available
Material of Pressure Ring			Carbon Steel, Stainless Steel,		Different grades of Carbon Steel and Stainless Steel are available