



NOMINAL PIPE SIZE	A PIPE O.D.	B MAXIMUM BELL O.D. CLEARED	C MAX. RESTRAINT O.D. (CASING CLEARED)	D OVER ALL LENGTH	THRUST BOLT (NUMBER-SIZE)
4	4.80	6.75	9.25	13	2- 3/4X13
6	6.90	8.75	11.25	18	2- 3/4X18
8	9.05	12.25	14.75	18	2- 3/4X18
10	11.10	14.20	16.85	22	4- 3/4X22
12	13.20	16.90	19.45	22	4- 3/4X22

SPECIFICATION

RESTRAINT FOR PVC PIPE BELL (AWWA C900) SHALL CONSIST OF THE FOLLOWING: THE RESTRAINT SHALL BE MANUFACTURED OF DUCTILE IRON CONFORMING TO ASTM A536. A SPLIT RING SHALL BE UTILIZED BEHIND THE PIPE BELL. A SERRATED RING SHALL BE USED TO GRIP THE PIPE AND A SUFFICIENT NUMBER OF BOLTS SHALL BE USED TO CONNECT THE BELL RING AND THE GRIPPING RING. THE COMBINATION SHALL HAVE A MINIMUM WORKING PRESSURE RATING EQUIVALENT TO THE PIPE.

PRESSURE RATING (C900)

NOMINAL PIPE SIZE	DR14 CLASS 200	DR18 CLASS 150
4	200	150
6	200	150
8	200	150
10	200	150
12	200	150

REVISION	BY	DATE	MECHANICAL RESTRAINT FOR JOINTS STANDARD DETAILS			
					CITY OF COLLINSVILLE, OK. ENGINEERING DIVISION	
			DATE	02/2020	STANDARD NO.	WAT-17

STANDARD DETAILS WATER/WAT-17