

OG™ PREMIUM FLUSH 3.5in. x 9.2 lb/ft HC-P110

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OG PREMIUM FLUSH

v1.0

9/9/2019

Nominal OD 3.500 inches Connection OD 3.500 inches Nominal Weight 9.20 lb/ft Connection ID 2.955 inches Wall Thickness 0.254 inches Make Up Loss 4.996 inches Plain End Weight 8.81 lb/ft Critical Section Area 1.606 in² Standard Drift 2.867 inches Internal / External Pressure Rating 100% of Pipe Nominal ID 2.992 inches Internal Pressure 13,970 Grade HC-P110 External Pressure 15,560 Min Yield 110,000 lbf/in² Tension Efficiency 62% 177 kips Min Tensile 125,000 lbf/in² Compression Efficiency 62% 177 kips Critical Section Area 2.590 in² Uniaxial Bend Rating 89 °/100 ft Pipe Body Yield Strength 285 kips Optimal Make Up Torque 2,000 ft-lbs Min Internal Yield Pressure 15,560 psi Min 1,800 ft-lbs 1 Collapse Pressure 15,560 psi Min 1,800 ft-lbs 1	Pipe Body			Connection		
Wall Thickness0.254 inchesMake Up Loss4.996 inchesPlain End Weight8.81 lb/ftCritical Section Area1.606 in²Standard Drift2.867 inchesInternal / External Pressure Rating100% of PipeNominal ID2.992 inchesInternal Pressure13,970GradeHC-P110External Pressure15,560Min Yield110,000 lbf/in²Tension Efficiency62% 177 kipsMin Tensile125,000 lbf/in²Compression Efficiency62% 177 kipsCritical Section Area2.590 in²Uniaxial Bend Rating89 ° / 100 ftPipe Body Yield Strength285 kipsUniaxial Bend Rating89 ° / 100 ftMin Internal Yield Pressure13,970 psiOptimal Make Up Torque2,000 ft-lbs MCollapse Pressure15,560 psiMin1,800 ft-lbs M	Nominal OD	3.500	inches	Connection OD	3.500	inches
Plain End Weight 8.81 lb/ft 2.867 inches Nominal ID 2.992 inches Min Yield 110,000 lbf/in² Critical Section Area 1.606 in² Min Tensile 125,000 lbf/in² Critical Section Area 1.606 in² External Pressure Rating 100% of Pipe Internal Pressure 13,970 External Pressure 15,560 Tension Efficiency 62% 177 kips Compression Efficiency 62% 177 kips Compression Efficiency 62% 177 kips Uniaxial Bend Rating 89 °/100 ft Pipe Body Yield Strength 285 kips Min Internal Yield Pressure 13,970 psi Optimal Make Up Torque 2,000 ft-lbs ↑ Collapse Pressure 15,560 psi Min 1,800 ft-lbs ↑	Nominal Weight	9.20	lb/ft	Connection ID	2.955	inches
Standard Drift Nominal ID 2.867 inches Nominal ID 2.992 inches HC-P110 Min Yield Min Tensile Critical Section Area Pipe Body Yield Strength Min Internal Yield Pressure 13,970 External Pressure 13,970 External Pressure 15,560 Tension Efficiency 62% 177 kips Compression Efficiency 62% 177 kips Compression Efficiency 62% 177 kips Uniaxial Bend Rating 89 ° / 100 ft Optimal Make Up Torque 2,000 ft-lbs Collapse Pressure 15,560 psi Min 1,800 ft-lbs	Wall Thickness	0.254	inches	Make Up Loss	4.996	inches
Nominal ID 2.992 inches HC-P110 External Pressure 13,970 External Pressure 15,560 Min Yield 110,000 lbf/in² Tension Efficiency 62% 177 kips Compression Efficiency 62% 177 kips Compression Efficiency 62% 177 kips Compression Efficiency 62% 177 kips Uniaxial Bend Rating 89 °/100 ft Pipe Body Yield Strength 285 kips Min Internal Yield Pressure 13,970 psi Optimal Make Up Torque 2,000 ft-lbs 1 Collapse Pressure 15,560 psi Min 1,800 ft-lbs 1	Plain End Weight	8.81	lb/ft	Critical Section Area	1.606	in²
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Min Yield110,000lbf/in²Tension Efficiency62%177 kipsMin Tensile125,000lbf/in²Compression Efficiency62%177 kipsCritical Section Area2.590in²Uniaxial Bend Rating89° / 100 ftPipe Body Yield Strength285kipsMin Internal Yield Pressure13,970psiOptimal Make Up Torque2,000ft-lbsCollapse Pressure15,560psiMin1,800ft-lbs	Nominal ID	2.992	inches	Internal Pressure	13,970	
Min Tensile125,000 lbf/in²Compression Efficiency62%177 kipsCritical Section Area2.590 in²Uniaxial Bend Rating89 ° / 100 ftPipe Body Yield Strength285 kipsOptimal Make Up Torque2,000 ft-lbs ↑Min Internal Yield Pressure13,970 psiOptimal Make Up Torque2,000 ft-lbs ↑Collapse Pressure15,560 psiMin1,800 ft-lbs ↑	Grade	HC-P110		External Pressure	15,560	
Critical Section Area 2.590 in² Uniaxial Bend Rating 89 °/100 ft Pipe Body Yield Strength 285 kips Min Internal Yield Pressure 13,970 psi Optimal Make Up Torque 2,000 ft-lbs Collapse Pressure 15,560 psi Min 1,800 ft-lbs	Min Yield	110,000	lbf/in²	Tension Efficiency	62%	177 kips
Pipe Body Yield Strength285kipsMin Internal Yield Pressure13,970psiOptimal Make Up Torque2,000ft-lbs ↑Collapse Pressure15,560psiMin1,800ft-lbs ↑	Min Tensile	125,000	lbf/in²	Compression Efficiency	62%	177 kips
Min Internal Yield Pressure 13,970 psi Optimal Make Up Torque 2,000 ft-lbs Collapse Pressure 15,560 psi Min 1,800 ft-lbs	Critical Section Area	2.590	in²	Uniaxial Bend Rating	89	° / 100 ft
Collapse Pressure 15,560 psi Min 1,800 ft-lbs	Pipe Body Yield Strength	285	kips			
w the state of the	Min Internal Yield Pressure	13,970	psi	Optimal Make Up Torque	2,000	ft-lbs 👖
w the state of the	Collapse Pressure	15,560	psi	Min	1,800	ft-lbs
				Max	2,200	

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The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects.



Torque Data Sheet - OG™ PREMIUM FLUSH



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Min Make Up Torque 1,800 ft-lbs Nom Shoulder Torque 1,000 ft-lbs

Max Make Up Torque 2,200 ft-lbs

Optimum Torque 2,000 ft-lbs

