



Inspection Certificate and Material Test Report
(EN10204-1991 3.1.B / EN10204-2004 3.1)

Certificate/Serial/Job No: YE76

Quality

Quantity	Size (NPS)	Class	Product	Description	Type	SONumber	Line	Sold
10	3	150	/ 103035	DSI 37XUF	GATE			

Pressure Test: API598	<input checked="" type="checkbox"/> Satisfactory	Shell Pressure : 450 psi 3102.64 kPa	BackSeat : 325 psi 2240.8 kPa	Seat Pressure 325 psi 2240.8 kPa
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Part	Specif.	HEAT#	Chemical Composition [%]													Mechanical			
			C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	W	Nb	Al	N	Ceq	Tensile [ksi] [MPa]	Yield [ksi] [MPa]

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BODY	ASTM A216 WCB-2008	W 13885	0.197	0.42	0.94	0.022	0.010	0.042	0.033	0.001	0.041	0.008						0.37	85.12 586.88	54.96 378.9	28.4	57.0
BONNET	ASTM A216 WCB-2008	A 11521	0.210	0.42	0.87	0.021	0.011	0.028	0.051	0.005	0.035	0.011			0.019			0.37	72.50 499.87	42.49 293	30	57
WEDGE	ASTM A217 CA15-2007	D 5446	0.11	0.88	0.80	0.025	0.011	0.137	12.50	0.094	0.049								104.55 720.85	72.65 500.9	19.4	49

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BODY	ASTM A216 WCB-2008	A 11653	0.220	0.42	0.82	0.025	0.011	0.031	0.057	0.001	0.044	0.005			0.015			0.37	74.10 510.90	43.50 299.9	34	56
BONNET	ASTM A216 WCB-2008	A 11634	0.220	0.48	0.93	0.025	0.014	0.025	0.043	0.013	0.04	0.005			0.043			0.39	76.42 526.9	44.95 309.9	29	53
WEDGE	ASTM A217 CA15-2007	D 5445	0.10	0.84	0.74	0.027	0.011	0.132	12.32	0.021	0.012								104.11 717.81	73.95 509.9	20	48

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BODY	ASTM A216 WCB-2008	A 11877	0.210	0.52	0.91	0.025	0.014	0.024	0.057	0.004	0.045	0.004			0.053			0.38	73.81 508.90	43.21 297.9	35	57
BONNET	ASTM A216 WCB-2008	A 11659	0.210	0.46	0.92	0.028	0.017	0.029	0.057	0.015	0.035	0.008						0.38	74.53 513.87	44.37 305.9	33	56
WEDGE	ASTM A217 CA15-2007	D 5449	0.11	0.88	0.84	0.025	0.010	0.133	12.70	0.037	0.017								104.98 723.81	74.68 514.9	19	51

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BODY	ASTM A216 WCB-2008	A 11635	0.210	0.53	0.95	0.029	0.016	0.031	0.056	0.005	0.041	0.005			0.034			0.39	76.56 527.86	45.24 311.9	27	55
BONNET	ASTM A216 WCB-2008	A 11663	0.200	0.47	0.89	0.023	0.013	0.022	0.052	0.007	0.04	0.005			0.015			0.37	76.42 526.9	45.82 315.9	28	53
WEDGE	ASTM A217 CA15-2007	D 5447	0.10	0.92	0.81	0.025	0.010	0.136	12.70	0.090	0.014								103.53 713.81	73.52 506.9	20	51

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