

▼ **ASME B16.20 Flange Gaskets**
Carbon Steel Outer Ring - SS304/Graphite Gasket (Yellow with Gray Stripe)

▼ **Material Details**

OUTER RING - CARBON											
STD/ ACTUAL	C	Mn	Si	P	S	Cr	Ni	N	Yield Strength MPA	Elongation %	Hardness B
Standard	0.26	1.55	0.1	0.05	0.05	--	--	--	--	--	--
Heat #17AD0651	0.17	0.3	0.08	0.008	0.006	--	--	--	--	--	--

WINDING ALLOY - 304SS											
STD/ ACTUAL	C	Mn	Si	P	S	Cr	Ni	N	Yield Strength MPA	Elongation %	Hardness B
Standard	0.08	2	0.75	0.045	0.03	18-20	8-12	0.1	205	40	92
Heat #1517246	0.038	1.27	0.36	0.022	0.003	18.04	8.09	0.054	276	60	86

FILLER MATERIAL - GRAPHITE										
STD/ ACTUAL	C	Ash	Chlorine	Fluorine	Tensile	Density	Compressibility	Recovery	Stress Relaxation	
Standard	≥ 98%	≤ 2%	≤ 50 PPM	≤ 50 PPM	≥ 4.0 MPA	1.0±0.5	≥ 48%	≥ 9%	≤ 10%	
Batch #Y29TS1501	99.16	0.59	10	10	4.8	1.07	45.7	11.2	--	

INNER RING - Material N/A											
STD/ ACTUAL	C	Mn	Si	P	S	Cr	Ni	N	Yield Strength MPA	Elongation %	Hardness B
Standard	--	--	--	--	--	--	--	--	--	--	--
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- 1 Gaskets visually inspected and found to be satisfactory
- 2 Gasket dimension confirmed against ASME B16.20 Edition 2012
- 3 The above mentioned data conforms to EN10204 Type 3.1 Certification Criteria



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