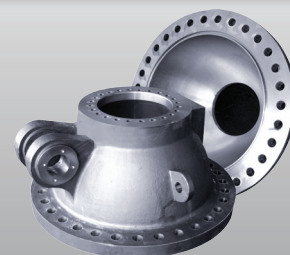
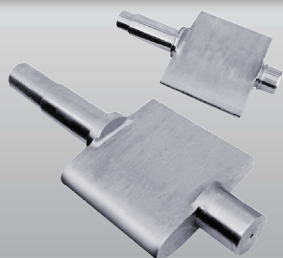
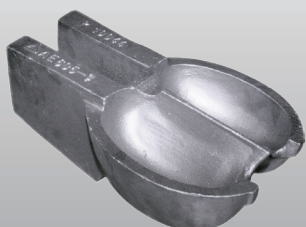


CORROSION RESISTANT STAINLESS STEELS

Austenitic Steels

Altona Reference EA	Equivalent Trade Reference / Name	Basic Chemical Composition (%)					Minimum Mechanical Properties			Hardness HB
		C	Cr	Ni	Mo	Others	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)	
07124	CF-3 1.4309	≤ 0,03	19,0	10,0	—	—	205	485	35	130 200
07135	CF-8 1.4308	≤ 0,07	19,0	10,0	—	—	205	485	35	130 200
07635	CF-3M (1.4404)*	≤ 0,03	19,0	10,0	2,5	—	205	485	30	130 200
07134	CF-8M 1.4408	≤ 0,07	19,0	10,0	2,5	—	205	485	30	130 200
07143	CF-8C 1.4581	≤ 0,07	19,0	10,0	2,2	Nb	205	485	35	130 200
07302	CN7M Alloy 20	≤ 0,07	20,0	28,0	2,5	Cu-3,5	170	425	35	130 180
07626	~ 1.4538	≤ 0,03	22,0	29,0	4,2	Cu-3,7 N ; Nb	190	450	35	130 180
07653	1.4588	≤ 0,025	20,0	25,0	6,5	Cu-1,00 N-0,15	235	480	30	130 200
07636	(1.4361)*	≤ 0,03	18,0	15,0	—	Si-4,0 N	200	500	20	130 180

* Designation for plates and bars frequently used for castings.



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ISO 9001
ISO/TS 16949
BUREAU VERITAS
Certification



CORROSION RESISTANT STAINLESS STEELS**Austenitic Steels****General Features and Recommended Applications**

- Microstructure: Austenitic
- Response to heat treatment: Non hardenable
- Mechanical features: Low hardness and mechanical resistance, high toughness.
- Examples of application: Pump parts, valves, fittings, etc.

EA - 07124

Stainless steels of high resistance to corrosion, suitable for general use in the chemical industry and alike, such as petroleum, pharmaceutical and food industries.

EA - 07135

For applications involving nitric acid, preference should be given to those steels without molybdenum (EA-07124 and EA 07135).

EA - 07635

Steels with extra-low contents of C (EA-07124 and EA-07635) and stabilized with Niobium (EA-07143) are specially indicated for elevated temperatures or when constructions by welding do not permit post heat treatment.

EA - 07134**EA - 07143****EA - 07302****EA - 07626****EA - 07653**

Stainless steels recommended for applications involving hot sulphuric acid of medium concentration, phosphoric acid and pickling baths with sulphuric acid. For severe applications, the use of the qualities EA-07626 and EA-07653 are recommended.

EA - 07636

Stainless steel with high contents of silicon, specially recommended for applications involving hot and high concentrated nitric acid.

