

List Of Materials

MARTENSITIC STAINLESS AND ALLOY FOR PRESSURE RETAINING PARTS AT HIGH TEMPERATURE SERVICE

ACI Designation	ASTM casting Spec. N° Grade	UNS	DIN/EN	AFNOR Approx. EQUIV.	ASTM Forgings Spec. N° Grade	Wrought Approx Equivalent/ Brand Name
WC1	A217 WC1	J12524	1.5419/G20MO5		A182 F1	
WC6	A217 WC6	J12072	1.7357/G17CrMo5-5		A182 F11	
WC9	A217 WC9	J21890	1.7379/G17 CrMo9-10		A182 F22	
C5	A217 CS	J42045	1.7365/GX15CRM05		A182 F5a	
C12	A217 C12	J82090	1.7386/X12CrMo9-1		A182 F9	
C12A	A217 C12A	J84090	1.4903/X10CrMoVNb9-1		A182 F91	

FERRITIC AND MARTENSITIC ALLOY FOR PRESSURE CONTAINING PARTS AT LOW TEMPERATURE SERVICE

ACI Designation	ASTM casting Spec. N° Grade	UNS	DIN/EN	AFNOR Approx. EQUIV.	ASTM Forgings Spec. N° Grade	Wrought Approx Equivalent/ Brand Name
LCB	A352 LCB	J03003	1.1131/G17Mn5		A350 LF2	
LCC	A352 LCC	J02505	1.6220/g20Mn5			
LC1	A352 LC1	J12522	1.5422/G18Mo5			
LC2	A352 LC2	J22500	1.5636/G9Ni10			
LC2-1	A352 LC2-1	J42215	1.6781/G17NICRMO13-6			
LC3	A352 LC3	J31550	1.5638/G9Ni14		A350 LF3	
LC4	A352 LC4	J41500				
CA6NM	A352 CA6NM	J91540	1.4313/GX4CrNi13-4	Z4CND13.419	A182 F6NM	

MARTENSITIC STAINLESS STEEL CORROSION RESISTANT FOR GENERAL APPLICATION

ACI Designation	ASTM casting Spec. N° Grade	UNS	DIN/EN	AFNOR Approx. EQUIV.	ASTM Forgings Spec. N° Grade	Wrought Approx Equivalent/ Brand Name
CA15	A743 CA15	J91150	1.4011/GX12Cr12	Z12C13M	A182 F6a	AISI 410
CA15M	A747 CA15M	J91151		Z6CN12.1M		
CA40	A743 CA40	J91153	1.4027/GX20Cr14	Z30C13M		AISI 420
CA6NM	A747 CA6NM	J91540	1.4313/X4CrNi13-4	Z4CND13.4M	A182 F6NM	
CB7Cu-1	A747 CB7Cu-1	J92180	1.4540/GX4CrNiCuNb16-4	Z5CNU16.4M		17-4-PH
CB7Cu-2	A747 CB7Cu-2	J92110				15-5 PH

AUSTENITIC STAINLESS STEEL FOR PRESSURE RETAINING PARTS

ACI Designation	ASTM casting Spec. N° Grade	UNS	DIN/EN	AFNOR Approx. EQUIV.	ASTM Forgings Spec. N° Grade	Wrought Approx Equivalent/ Brand Name
CF3	A351 CF3, CF3A	J92700	1.4309/GX2CrNi19-11	Z2NC18.10M	A182 F304L	AISI 304L
CF8	A351 CF8, CF8A	J92600	1.4309/GX2CrNi19-10	Z6NC18.10M	A182 F304	AISI 304
CF3M	A351 CF3M, CF3MA	J92800	1.4409/GX2CrNiMo19-11-2	Z2CN18.12M	A182 F316L	AISI 316L
CF8M	A351 CF8M	J92900	1.4408/GX5CrNiMo19-11-2	Z2CN18.12M	A182 F316	AIAI 316
CF8C	A351 CF8C	J92710	1.4552/GX5CrNiNb19-11	Z6CNNb18.10M	A182 F347	AISI 347
CF3MN	A351 CF3MN	J92804	1.4404/GX2CrNiMo17-12-2		A182 F316ln	AISI 316LN
CG8M	A351 CG8M	J93000	1.4412/GX5CrNiMo 19-11-3		A182 F317	AISI 317
CK20	A351 CK20	J94202	1.4843/X16CrNi25-20		A182 F310H	AISI 310H; 3105
CF20	A743 CF20	J92602	1.4312/GX10CrNi18-8	Z10CN18.9M		
CT15C	A351 CT15C	NO8151	1.4859/GX10NiCrNb32-20			INCOLOY 800H
			1.4581/GX5CrNiMoNb19-11-2	26CNDNb18-12M		

SUPERAUSTENITIC STAINLESS STEEL

ACI Designation	ASTM casting Spec. N° Grade	UNS	DIN/EN	AFNOR Approx. EQUIV.	ASTM Forgings Spec. N° Grade	Wrought Approx Equivalent/ Brand Name
CK3MCuN	A351 CK3MCuN	J93254	1.4547/X1CrNiMoCuN20-18-7Z1CNDU20-18-06Az		A182-F44	254SMO
CN7N	A351 CN7M	N08007				
CN7MS	A351 CN7MS	J94650				
CN3MN	A351 CN3MN	J94651	1.4529/X1NiCrMoCuN25-20-6Z2NCDU25-20-06Az		A182-F62	AL-6XN

DUPLEX AND SUPERDUPLEX (AUSTENITIC-FERRITIC)STAINLESS STEEL FOR GENERAL AND PRESSURE RETAINING

ACI Designation	ASTM casting Spec. N° Grade	UNS	DIN/EN	AFNOR Approx. EQUIV.	ASTM Forgings Spec. N° Grade	Wrought Approx Equivalent/ Brand Name
CD4MCu	A890 1A	J93370	1.4593/GX3CrNiMoCuN24-6-2-3 Z3CNUD26-5M			
CD4MCuN	A890-A995 1B	J93372	1.4517/GX2CrNiMoCuN25-6-3-3			
CD3MCuN	A890 1C	J93373				
CD6MN	A890-A995 3A	J93371			A182 F50	
CD3MN	A890-A995 4A	J92205	1.4470/GX2CrNiMoN22-5-3		A182 F51	DUPLEX 2205
CE3MN	A890-A995 5A	J93304	1.4469/GX2CrNiMoN”&-7-4		A182 F53	SUPERDUPLEX 2507

NICKEL BASE ALLOYS FOR CORROSION RESISTANT SERVICE

ACI Designation	ASTM casting Spec. N° Grade	UNS	DIN/EN	AFNOR Approx. EQUIV.	ASTM Forgings Spec. N° Grade	Wrought Approx Equivalent/ Brand Name
CUSMCuC	A494 CU5MCuC	N08826	2.4858/NiCr21Mo	NFe30C20DUM	B564 N08825	INCOLOY 825
CZ100	A494 CZ100	N02100	2.4066/G-Ni95	N100M		NiCKEL 200
M35-1	A494 M35-1	N24153	2.4365/G-NiCu30Nb	NU30M	B564 N04400	MONEL 400
M35-2	A494 M35-2	N04020				
M35-H	A494 M30-H	N24030	2.4367/G-NiCu30Si3	NU30SiM		
M25S	A494 M25-S	N24025	2.4368/G-NiCu30Si4			MONEL S
CY-40	A494 CY-40	N06040	2.4816/NiCr15Fe	NC16Fe11M	B564 n06600	INCONEL 600
CW-6MC	A494 CW-6MC	N26625	2.4856/NiCr22Mo9NB	NC22D9Nb4M	B564 N06625	INCONEL 625
CW-2M	A494 CW-2M	N26455	2.4686/G-NiMo17Cr	NC16D16M	B564 N10276	HASTELLOY C-4
CW-12MW	A494 CW-12MW	N30002	2.4883/G-NiMo16CrW			HASTELLOY C-276
CX-2MW	A494 CX-2MW	N26022	2.4602/NiCr21Mo14W			HASTELLOY C-22
N-7M	A494 N-7M	N30007	2.4685/G-NiMo28	ND30M		HASTELLOY B-2
N-12MV	A494 N-12MV	N30012	2.4882/G-NiMo30			HASTELLOY B
CX2M	A494 CX2M	N26059	2.4685/G-NICR23MO16			ALLOY 59