

IRON BASE COMPONENTS



Brand ID	Metal Grade	Chemical Composition (Weight%)										Application	Reference Standard
		C	Si	Cr	Mo	Mn	Ni	N	Cu	Ti	Fe		
HCS 20#	Fe320	0.07	1.5	21	2.5	1.5	29	--	3.5	--	Bal	For concentrated sulphuric acid and alkylation valve.	ASTM A743M CN-7M
HCS 825	Fe325	0.05	1	21.5	3	1	41	--	2.5	Nb0.9	Bal	For sulfur resistant valve, heat exchanger, condenser and sulphuric acid environment with multiple ions.	ASTM A494 CU5MCuC
HCS 333	Fe333	0.8	1.5	33	1.5	2.5	10	0.25	0.25	RE0.2	Bal	For high temperature wear-resistant electric coupler sleeve.	GB/T 5235 ZG8Cr33Ni9N
HCS 340	Fe340	0.4	2	26	0.5	2	20	--	--	--	Bal	For the heat-resistant environment of furnace roller, trestle, frame and etc.	ASTM A297 HK
HCS 344	Fe344	0.025	1	20	6.5	1.2	18.5	0.2	1	--	Bal	For pump and valve under reductive acid medium condition and marine equipment, etc.	ASTM A451 CK3MCuN
HCS 351	Fe351	0.03	1	22	3	1.5	5.5	0.2	--	--	Bal	Offshore industry, coal chemical industry, petroleum pump and valve	ASTM A890 4A/CD3MN
HCS 353	Fe353	0.03	1	25	4.5	1.5	7	0.2	--	--	Bal	Offshore industry, coal chemical industry, petroleum pump and valve	ASTM A890 5A/CE3MN
HCS 354N	Fe354N	0.04	1	25	2	1	5	0.2	3	--	Bal	Offshore industry, coal chemical industry, petroleum pump and valve	ASTM A890 1B/CD4MCN
HCS 355	Fe355	0.03	1	25	3.5	1	7.5	0.25	0.7	W0.8	Bal	Offshore industry, coal chemical industry, pump and valve of petroleum and chemical fertilizer industry.	ASTM A890 6A/CD3MWCuN
HCS 374	Fe374	0.07	1	16.5	--	0.5	4	--	2.8	0.3	Bal	For wear-resistant scrapers, corrosive conditions valve cages, valve balls and other parts in the paper industry	ASTM A747 CB7CU-1
HCS 3C4	Fe3C4	0.03	4	14	--	0.5	14	--	--	--	Bal	Concentrated nitric acid pump valve, subsea valve	GB/T2100 ZG03Cr14Ni14Si4
HCS 342	Fe342	0.5	2	26	--	1	35	--	--	--	Bal	For heat treatment furnace, high temperature gals boiler, emission device, ad etc.	ASTM A297 HP
HCS Mo6	Fe356	0.02	0.8	21	6.5	1.5	25	0.22	--	--	Bal	For reductive acid valve pump body, seawater corrosion-resistant equipment	ASTM A451 CN3MN