

	Material	Material no.	Short name	Application
Chromium and chromium molybdenum steels with 13 - 19% Cr With ground or polished surface, sufficiently resistant to water, steam, strongly diluted lye and lightly oxidising acids.	Coracid 410	1.4006	X12Cr13	Apparatus engineering and tank construction in the chemical industry, in the food, tobacco and alcohol industry, for shipbuilding, valves, barrel extruders, for power plant and generator engineering.
	Coracid 420	1.4021	X20Cr13	
	Coracid 410-15	1.4024	X15Cr13	
	Coracid 420-46	1.4034	X46Cr13	
	Coracid 4120	1.4120	X20CrMo13	
Good resistance to water, steam, weak acids and lye and to stronger oxidising acids. Materials 1.4057 and 1.4122 are relatively resistant to seawater.	Coracid 431	1.4057	X17CrNi19-2	
	Coracid 440 B	1.4112	X90CrMoV18	
	Coracid 4122	1.4122	X39CrMo17-1	
	Coracid 13-4	1.4313	X3CrNiMo13-4	
	Coracid 16-5	1.4418	X4CrNiMo16-5-1	
Austenitic chromium nickel and chromium nickel molybdenum steels High corrosion resistance and excellent mechanical properties.	Coracid 304	1.4301	X5CrNi18-10	Apparatus engineering and tank construction in the chemical industry, in the food, tobacco and alcohol industry, in the grease and soap industry.
	Coracid 303	1.4305	X8CrNi18-9	
	Coracid 304 L	1.4306	X2CrNi19-11	
	Coracid 4311	1.4311	X2CrNiN18-10	Textile, pulp and dyeworks industry, reactor industry, offshore technology, flue gas decontamination, tools for automatic lathes (1.4305).
	Coracid 310 L	1.4335	X1CrNi25-21	
	Coracid 4361	1.4361	X1CrNiSi18-15-4	
	Coracid 316	1.4401	X5CrNiMo17-12-2	
	Coracid 316 L	1.4404	X2CrNiMo17-12-2	
	Coracid 4406	1.4406	X2CrNiMoN17-11-2	
Coracid 4429	1.4429	X2CrNiMoN17-13-3		
By adding molybdenum, an increased resistance to non oxidising acids and substances containing halogen is achieved. Materials 1.4505 and 1.4539 with the addition of copper display an increased resistance to sulphuric acid; 1.4361 is particularly recommended for attacks of highly concentrated nitric acids.	Coracid 4435	1.4435	X2CrNiMo18-14-3	By using a high N. content, nitrogen alloyed austenitic steels are suitable for the following applications: <ul style="list-style-type: none"> - environment engineering (REA) - urea industry - offshore technology - water management (in the event of an increased chlorine ion content) When ensuring at the same time a high degree of purity, these alloys may also be used in high vacuum technology.
	Coracid 4436	1.4436	X5CrNiMo17-13-3	
	Coracid 4439	1.4439	X2CrNiMoN17-13-5	
	Coracid 4465	1.4465	X1CrNiMoN25-25-2	
	Coracid 4503	1.4503	X3NiCrCuMoTi27-23	
	Coracid 4505	1.4505	X4NiCrMoCuNb20-18-2	
	Coracid 904 L	1.4539	X1NiCrMoCu25-20-5	
	Coracid 630	1.4542	X5CrNiCuNb16-4	
Steels containing stabilisers titanium and niobium cannot be brightly polished.	Coracid 321	1.4541	X6CrNiTi18-10	
	Coracid 347	1.4550	X6CrNiNb18-10	
	Coracid 316 Ti	1.4571	X6CrNiMoTi17-12-2	
	Coracid 4577	1.4577	X3CrNiMoTi25-25	
	Coracid 4583	1.4583	X10CrNiMoNb18-12	
Super austenitic, high nickel and molybdenum alloy stainless steels with excellent corrosion resistance. Nitrogen addition for increased strength and toughness. Chromium, molybdenum and nitrogen increase in particular the resistance to pitting. Therefore the critical pitting temperature for super austenitic steels is clearly more favourable.	Coracid 926	1.4529	X1NiCrMoCuN25-20-7	For equipment which is in contact with seawater and brackish water. Excellent resistance to crevice and abrasion fretting corrosion and to stress corrosion cracking induced by pitting.
	Coracid 254 SMO	1.4547	X1CrNiMoCuN20-18-7	
	Coracid 31	1.4562	X1NiCrMoCu32-28-7	
	Coracid 28	1.4563	X1NiCrMoCu31-27-4	
	Coracid 4565	1.4565	X2CrNiMnMoN25-18-6-5	
	Coracid 24	1.4566	X3CrNiMnMoCuNbN23-17-5-3	
Duplex materials Ferritic-austenitic high performance chromium nickel molybdenum steels High wear resistance and good running properties, resistance to stress corrosion cracking and also resistance to intercrystalline corrosion.	Coracid -D-27.06	1.4460	X3CrNiMoN27-5-2	Pulp and dyeworks industry, petrochemical industry, shafts in acid pumps, machine components exposed to seawater.
	Coracid -D-22.05	1.4462	X2CrNiMoN22-5-3	
	Coracid -D-24.5.3.A1	~ 1.4462-A1	~ X2CrNiMoN24-5-3	
	Coracid -D-24.5.3.A2	~ 1.4462-A2	~ X2CrNiMoN24-5-3	
Super duplex materials Stainless ferritic-austenitic chromium nickel molybdenum steel with Cu addition. Good resistance to stress corrosion cracking and pitting. High resistance to sulphuric substances. Required surface finish: pickled or treated.	Coracid Super D-255	1.4507 (UNS 32550)	X2CrNiMoCuN-25-6-3	Components for the chemical industry, in flue gas desulphurisation plants, in the oil and gas industries, in dyeworks, in pumps exposed to seawater.
Maximum corrosion resistance and good strength. Good weldability. Excellent resistance to stress corrosion cracking (SCC), corrosion fatigue crack, pitting, crevice corrosion and erosion corrosion.	Coracid Super D-25.07	1.4410 (UNS 32750)	X2CrNiMoN25-7-4	Workpieces exposed to seawater, e.g., heat exchangers, booster pumps, injection pumps, chemistry, waste water technology, oil and natural gas production, separators, LCP components, ventilators.
	Coracid Super D-100	1.4501 (UNS 32760)	X2CrNiMoCuWN25-7-4	

	Material	Material no.	Short name	Application
HEAT RESISTANT STEELS AND ALLOYS				
Ferritic chromium steels with aluminium and silicon addition. Excellent resistant to oxidising gases containing sulphur; not recommended for low oxygen nitrogenous gases. Resistant to scale up to approx. 800°C in air (1.4713) and up to approx. 1200°C in air (1.4762).	Coracid 4713	1.4713	X10CrAlSi7	Furnace components, temperature measuring equipment.
	Coracid 4762	1.4762	X10CrAlSi25	
Austenitic chromium nickel steels Maximum scale resistance between 800 and 1200°C for nitrogenous low oxygen gases, depending on the steel grade.	Coracid 4828	1.4828	X15CrNiSi20-12	Heat resistant components subject to high mechanical stress, furnace components, high temperature components in the chemistry and petrochemical industry.
	Coracid 4841	1.4841	X15CrNiSi25-21	
	Coracid 4845	1.4845	X8CrNi25-21	Refuse incineration, pyrolysis, gasification of coal.
	Coralloy 330	1.4864	X12NiCrSi36-16	
	Coralloy 800	1.4876	X10NiCrAlTi32-21	
	Coralloy 800 H	1.4958	X5NiCrAlTi31-20	
	Coralloy 800 HAT	1.4959	X8NiCrAlTi32-21	
	Coracid 4878	1.4878	X12CrNiTi18-9	
HEAT RESISTANT STEELS AND ALLOYS				
The heat treatable 12% chromium steels offering satisfactory long term high temperature resistance and good resistance to scale are preferably used up to a service temperature of approx. 600°C. For higher temperatures up to approx. 750°C, austenitic chromium nickel steels are used.	Coracid 9.1	1.4903	X10CrMoVNb9-1	Screws, nuts, fittings and other components in turbine and boiler construction, turbine blades, chemical industry, reactor engineering.
	Coracid 4906	1.4906	X12CrMoWVNbN10-1-1	
	Coracid 4913	1.4913	X19CrMoNbVN11-1	
	Coracid 4921	1.4921	X19CrMo12-1	
	Coracid 4922	1.4922	X20CrMoV11-1	
	Coracid 4923	1.4923	X22CrMoV12-1	
	Coracid 4926	1.4926	X21CrMoV12-1	
	Coracid 4939	1.4939	X12CrNiMo12	
	Coracid 4948	1.4948	X6CrNi18-10	
	Coracid 4961	1.4961	X8CrNiNb16-13	
	Coracid 4962	1.4962	X12CrNiWTiB16-13	
	Coralloy A 286	1.4980	X6NiCrTiMoVB25-15-2	
	Coracid 4981	1.4981	X8CrNiMoNb16-16	