

ENGINEERING BULLETIN #124

Common Alloys Cross-Reference

CROSS-REFERENCE OF AMERICAN WITH GERMAN & EUROPEAN STANDARDS

AISI grade	UNS No.	Werkstoff No.	DIN Designation
405	S40500	1.4002	X6CrAl13
410	S41000	1.4006	X12Cr13, X10Cr13
410S	S41008	1.4000	X6Cr13
416	S41600	1.4005	X12CrS13
430	S43000	1.4016	X6Cr17
446	S44600	1.4763	X8Cr24
2205	S31803	1.4462	X2CrNiMoN22-5-3
2207	S32750	1.4410	X2CrNiMoN25-7-4
303	S30300	1.4305	X8CrNiS18-9
304L	S30403	1.4307	X2CrNi18-9
304	S30400	1.4301	X5CrNi18-10
304H	S30409	1.4301	X5CrNi18-10
316	S31600	1.4401	X5CrNiMo17-12-2
316L	S31603	1.4404	X2CrNiMo17-12-2
316Ti	S31635	1.4571	X6CrNiMo17-12-2
317L	S31703	1.4438	X2CrNiMo18-15-4
317	S31703	1.4449	X5CrNiMo18-15-4
321	S32100	1.4541	X6CrNiTi18-10
321H	S32109	1.4541	X6CrNiTi18-10
347	S34700	1.4550	X6CrNiNb18-10
AL6XN	N08367	1.4529	****
309S	S30908	1.4833	X12CrNi24-12
309	S30900	1.4833	X12CrNi24-12
310S	S31008	1.4845	X8CrNi25-21
310H	S31009	1.4845	X8CrNi25-21
310	S31000	1.4845	X12CrNi25-21

AISI grade	UNS No.	Werkstoff No.	DIN Designation
314	S31400	1.4841	X15CrNiSi25-20
800	N08800	1.4876	X10NiCrAlTi32-20
800H	N08810	1.4876	X10NiCrAlTi32-20
Alloy 825	N08825	1.4876	NiCr21Mo
Alloy 625	N06625	2.4856	NiCr22Mo9Nb
Alloy 600	N06600	2.4816	NiCr15Fe
Alloy 718	N07718	2.4668	NiCr19NbMo
Monel 400	N04400	2.4360	NiCu30Fe
Monel K-500	N05500	2.4668	NiCu30Al
Alloy C276	N10276	2.4375	NiMo16Cr15W
Alloy 194	C19400	2.1310	****

CHART KEY

- AISI = American Iron and Steel Institute
- UNS No. = Unified Numbering System
- Werkstoff No. = German “Werkstoff” numbering system (widely used in Europe)
- DIN = Deutsches Institut für Normung (the German Institute for Standardization)

NOTE

1. Though the information presented in this chart comes from a respectable source, it is intended to be used only as a cross-reference guidance for selecting or specifying the appropriate alloy for a hose assembly.
2. UNS chemistries generally overlap the German standards shown but they are NOT identical. So, when the customer requires DIN certification of raw material, it can be re-certified by the producing mill which can provide a certificate of conformance.