

# Powergen/Petrochem Material Grades and Comparison of Grade Equivalents



Carbon Steel (CS) and Alloy Steel (AS)

EN/DIN Grade	Steel	Standard	ASTM/ASME Grade	Standard
P235GH	1.0345	EN 10216-2	A	A53/A106
P265GH	1.0425	EN 10216-2	B/A-1	A106/A210
			C	A106/A210
16Mo3	1.5415	EN 10216-2		
15NiCuMoNb5-6-4	1.6368	EN 10216-2		
			T11/P11	A213/A335
13CrMo4-5	1.7335	EN 10216-2	T12/P12	A213/A335
14MoV63	1.7715	EN 10216-2		
10CrMo9-10	1.7380	EN 10216-2	T22/P22	A213/A335
X11CrMo5	1.7362	EN 10216-2	T5/P5	A213/A335
X11CrMo9-1	1.7386	EN 10216-2	T9/P9	A213/A335
X10CrMoVNb9-1	1.4903	EN 10216-2	T91/P91	A213/A335
X10CrWMoVNb9-2	1.4901	EN 10216-2	T92/P92	A213/A335
X20CrMoV11-1	1.4922	EN 10216-2		
X20CrMoV12-1	1.4922	DIN 17175		

Stainless Steel (SS)

X5CrNi18-10/X2CrNi19-11	1.4301/1.4306	EN 10216-5	TP 304/304L	A312
X10CrNiCuNb18-9-3	1.4907	EN 10216-5*	UNS S30432 (304HCu)	A213
X6CrNi18-10	1.4948	EN 10216-5	TP 304/304H	A312
X6CrNiTi18-10	1.4541	EN 10216-5	TP 321/321H	A312
X6CrNiNb18-10	1.4550	EN 10216-5	TP 347/347H	A312
X8CrNi19-11	1.4908	EN 10216-5*	TP 347HFG	A213
X6CrNiNbN25-20	1.4952	EN 10216-5*	TP 310HCbN (310N)	A213
X5CrNiMo17-12-2/X2CrNiMo17-12-2	1.4401/1.4404	EN 10216-5	TP 316/316L	A312
X6CrNiMoTi17-12-2	1.4571	EN 10216-5	TP 316Ti	A312
X2CrNiMoN22-5-3	1.4462	EN 10216-5	UNS S31803 (DUPLEX)	A790
X2XrNiMoCuWN25-7-4	1.4501	EN 10216-5	UNS S32760 (SUPER DUPLEX)	A790
X1NiCrMoCu25-20-5	1.4539	EN 10216-5	UNS N08904 (TP 904L)	A312

\* following EN 10216-5

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