

Alloy Family	Alloy Type	API Category	Trade Names	UNS number	Chemical composition										PREN
					max. wt % or range, unless otherwise indicated										
					C	Cr	Ni	Mo	Cu	Ti	V	W	N		
Martensitic Stainless Steels	13 Chrome	5CT 13Cr L80	13CR 420 Mod 13Cr L80	S42000	0.15 to 0.22	12.0 to 14.0	0.5	—	0.25	—	—	—	—	12 to 14	
	Modified 13 Chrome	N/A	13CRM	N/A	0.03	11.0 to 14.0	4.0 to 6.0	0.2 to 1.2	—	—	—	—	—	12 to 18	
			HP1	N/A	0.04	12.0 to 14.0	3.5 to 4.5	0.8 to 1.5	—	—	—	—	15 to 19		
	Super 13 Chrome	5CRA Group 1 13-5-2 PSL 1 & 2	13CRS CR13S	S41426	0.03	11.5 to 13.5	4.5 to 6.5	1.5 to 3.0	—	0.01 to 0.5	0.5	—	—	16 to 23	
			S13CR	S41425	0.05	12 to 15	4.0 to 7.0	1.5 to 2.0	0.03	—	—	—	0.06 to 0.12	17 to 22	
		5CRA Group 1 13-5-2 PSL 1	SCR13	S41427	0.03	11.5 to 13.5	4.5 to 6.0	1.5 to 2.5	—	0.01	0.1 to 0.5	—	—	16 to 22	
			HP2	N/A	0.04	12.0 to 14.0	4.5 to 5.5	1.8 to 2.5	—	—	—	—	—	18 to 22	
	15 Chrome	N/A	15 Cr	S42500	0.08 to 0.2	14.0 to 16.0	1.0 to 2.0	0.3 to 0.7	—	—	—	—	0.2	15 to 18	
			UHP-15CR Super 15Cr	N/A	0.04	14.0 to 16.0	6.0 to 7.0	1.8 to 2.5	1.5	—	—	—	—	20 to 24	
	17 Chrome	N/A	17CRS Super 17Cr	N/A	0.03	16.0 to 18.0	4.0 to 5.5	2.0 to 3.0	2.0 to 3.0	—	0.1	—	—	23 to 28	