



# Pasco Steel Grades

<b>3SP</b>	Standard: GOST 380				Material Number: 1.0038					
Equivalent Grades:	SAE/AISI 1018		DIN RSt 37-2		JIS SS330		GB GB/T Q235			
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Other
	0.14-0.22	0.15-0.30	0.40-0.65	0.040	0.050	-	-	-	-	-
Type of Our Products:	Billet & Bloom									

<b>5SP</b>	Standard: GOST 380				Material Number: 1.0050					
Equivalent Grades:	DIN St 50-2		JIS SS500		GB GB/T Q275					
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Other
	0.28-0.37	0.05-0.15	0.50-0.80	0.040	0.050	-	-	-	-	-
Type of Our Products:	Billet & Bloom									

<b>Q195</b>	Standard: GB/T 700				Material Number: 1.0035					
Equivalent Grades:	Afnor A33		DIN St33		Gost St1SP					
Main Chemical Composition(wt.%):	C (max)	Si (max)	Mn (max)	P (max)	S (max)	Cr	Mo	Ni	V	Other
	0.12	0.30	0.50	0.035	0.040	-	-	-	-	-
Type of Our Products:	Billet & Bloom, Wire Rod									



# Pasco Steel Grades

<b>Q235</b>	Standard: GB/T 700				Material Number: 1.0036					
Equivalent Grades:	Afnor A34-2		DIN St34-2		JIS SS330					
Main Chemical Composition(wt.%):	C (max)	Si (max)	Mn (max)	P (max)	S (max)	Cr	Mo	Ni	V	Other
	0.20	0.35	1.40	0.045	0.045	-	-	-	-	-
Type of Our Products:	Billet & Bloom, Wire Rod									

<b>ASTM A1006</b>	Standard: ASTM A1006				Material Number: 1.0044					
Equivalent Grades:	DIN St 44-2		SAE/AISI 1020, 1021		GB GB/T Q255A		JIS SS400		UNS G10200	
Main Chemical Composition(wt.%):	C (max)	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Other
	0.22			0.025	0.015					-
Type of Our Products:	Billet & Bloom, Wire Rod									

<b>ASTM A1008</b>	Standard: ASTM A1008				Material Number: 1.0044					
Equivalent Grades:	DIN St 44-2		SAE/AISI 1020, 1021		GB GB/T Q255A		JIS SS400		UNS G10200	
Main Chemical Composition(wt.%):	C	Si	Mn (max)	P (max)	S (max)	Cr (max)	Mo (max)	Ni (max)	Cu (max)	Ti (max)
	0.02-0.15	-	0.60	0.025	0.035	0.15	0.06	0.20	0.20	0.025
Type of Our Products:	Billet & Bloom, Wire Rod									



# Pasco Steel Grades

<b>ASTM A1010</b>	Standard: ASTM A1010				Material Number: 1.4512					
Equivalent Grades:	DIN X2CrTi12		SAE/AISI 409		AFNOR Z3CT12		JIS SUH409L		UNS S40900	
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni (max)	N (max)	Other
	0.030	1.00	1.50	0.040	0.01	10.50-12.50	-	1.50	0.03	-
Type of Our Products:	Billet & Bloom, Wire Rod									

<b>SWRH42B</b>	Standard: JIS G 3506				Material Number: 1.0511					
Equivalent Grades:	DIN C40		SAE/AISI 1040		GB GB/T 40		UNS G10400		AFNOR C40	
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr (max)	Ni (max)	Mo (max)	Cu (max)	Al (max)
	0.39-0.46	0.15-0.35	0.60-0.90	0.030	0.030	0.15	0.20	0.05	0.25	0.01
Type of Our Products:	Billet & Bloom, Wire Rod									

<b>SWRH52B</b>	Standard: JIS G 3506				Material Number: 1.0588					
Equivalent Grades:	DIN D 53-2		AFNOR C52D		GB GB/T C52D					
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr (max)	Ni (max)	Mo (max)	Cu (max)	Al (max)
	0.49-0.56	0.15-0.35	0.60-0.90	0.030	0.030	0.15	0.20	0.05	0.25	0.01
Type of Our Products:	Billet & Bloom, Wire Rod									



# Pasco Steel Grades

<b>SWRH62B</b>	Standard: JIS G 3506				Material Number: 1.0601					
Equivalent Grades:	DIN C60		SAE/AISI 1060		GB GB/T 60		UNS G10600		AFNOR C60	
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr (max)	Ni (max)	Mo (max)	Cu (max)	Al (max)
	0.59-0.66	0.15-0.35	0.60-0.90	0.030	0.030	0.15	0.20	0.05	0.25	0.01
Type of Our Products:	Billet & Bloom, Wire Rod									

<b>SWRH67B</b>	Standard: JIS G 3506				Material Number: 1.0613					
Equivalent Grades:	DIN D 68-2		SAE/AISI 1065		GB GB/T C68D		UNS G10650		AFNOR C68D	
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr (max)	Ni (max)	Mo (max)	Cu (max)	Al (max)
	0.64-0.71	0.15-0.35	0.60-0.90	0.030	0.030	0.15	0.20	0.05	0.25	0.01
Type of Our Products:	Billet & Bloom, Wire Rod									

<b>SWRH72B</b>	Standard: JIS G 3506				Material Number: 1.1231, 1.0603					
Equivalent Grades:	DIN Ck67		SAE/AISI 1070		GB GB/T 65		UNS G10700		AFNOR C68	
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr (max)	Ni (max)	Mo (max)	Cu (max)	Al (max)
	0.69-0.76	0.15-0.35	0.60-0.90	0.030	0.030	0.15	0.20	0.05	0.25	0.01
Type of Our Products:	Billet & Bloom, Wire Rod									



# Pasco Steel Grades

<b>SWRH82B</b>	Standard: JIS G 3506				Material Number: 1.0622					
Equivalent Grades:	DIN D 80-2		SAE/AISI 1078		GB GB/T C80D		UNS G10780		AFNOR C80D	
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr (max)	Ni (max)	Mo (max)	Cu (max)	Al (max)
	0.79-0.86	0.15-0.35	0.60-0.90	0.030	0.030	0.15	0.20	0.05	0.25	0.01
Type of Our Products:	Billet & Bloom, Wire Rod									

<b>Alloy Structural Steels</b>	<b>CK10</b>	Standard: DIN 17210				Material Number: 1.1121					
	Equivalent Grades:	SAE/AISI 1010		GB GB/T 10		JIS S10C		UNS G10100		UNI C10	
	Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
		0.07-0.13	0.40	0.30-0.60	0.035	0.035	-	-	-	-	-
	Type of Our Products:	Rolled Billet, SBQ									
	<b>CK15</b>	Standard: DIN 17210				Material Number: 1.1141					
	Equivalent Grades:	SAE/AISI 1015		JIS S15C		UNS G10150		UNI C16		GB GB/T 15	
	Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
		0.12-0.18	0.40	0.30-0.60	0.035	0.035	-	-	-	-	-
	Type of Our Products:	Rolled Billet, SBQ									



# Pasco Steel Grades

<b>CK45</b>	Standard: DIN 17200				Material Number: 1.1191					
Equivalent Grades:	SAE/AISI 1045		UNI C45		JIS S45C		UNS H10140, G10450		GB GB/T 45	
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.42-0.50	0.40	0.50-0.80	0.035	0.03	-	-	-	-	-
Type of Our Products:	Rolled Billet, SBQ									

<b>GS-20Mn5</b>	Standard: 17182				Material Number: 1.1120 (1.6220)					
Equivalent Grades:	DIN EN G20Mn5		JIS SCW480							
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr (max)	Mo (max)	Ni (max)	V	Oth
	0.17-0.23	0.17-0.37	1.00-1.60	0.02	0.015	0.30	0.15	0.40	-	-
Type of Our Products:	Wire Rod									

<b>30MnSi</b>	Standard: GB/T 24587				Material Number: -					
Equivalent Grades:										
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Ni (max)	Cr (max)	Cu (max)	Mo	Oth
	0.28-0.33	0.70-1.10	0.90-1.30	0.025	0.025	0.25	0.25	0.20	-	-
Type of Our Products:	Wire Rod									



# Pasco Steel Grades

<b>25CrMo4</b>	Standard: DIN 17200				Material Number: 1.7218					
Equivalent Grades:	SAE/AISI 4130		UNS G41300		JIS SCM420					
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.22-0.29	0.40	0.60-0.90	0.035	0.03	0.90-1.20	0.15-0.30	-	-	-
Type of Our Products:	Rolled Billet, SBQ									

<b>42CrMo4</b>	Standard: DIN 17200				Material Number: 1.7225					
Equivalent Grades:	SAE/AISI 4140		GB GB/T 42CrMo		JIS SCM440		UNS G41400			
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.38-0.45	0.40	0.60-0.90	0.035	0.03	0.90-1.20	0.15-0.30	-	-	-
Type of Our Products:	Rolled Billet, SBQ, Wire Rod									

<b>20MnCr5</b>	Standard: DIN 17210				Material Number: 1.7147					
Equivalent Grades:	GB 20CrMnTi		SAE/AISI 5120H, 4820		JIS SMnC420H					
Main Chemical Composition(wt.%):	C	Si (max)	Mn	Cr	Ti	Cu	Mo	Ni	V	Oth
	0.17-0.22	0.40	0.80-1.10	1.00-1.30	0.04-0.10	-	-	-	-	-
Type of Our Products:	Rolled Billet, SBQ									



# Pasco Steel Grades

<b>38MnB5</b>	Standard: DIN 10083-3				Material Number: 1.5532					
Equivalent Grades:	JIS SWRCHB737									
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	B	Cr	Mo	Oth	
	0.36-0.42	0.40	1.15-1.45	0.025	0.035	0.0008-0.0050	-	-	-	
Type of Our Products:	Rolled Billet, SBQ									

<b>38MnVS6</b>	Standard: DIN 10267				Material Number: 1.1303					
Equivalent Grades:	Bsi BS 38MnVS6		DIN 1.5231							
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	N	Cr (max)	Mo (max)	V	Oth
	0.34-0.41	0.15-0.80	1.20-1.60	0.025	0.020-0.060	0.010-0.020	0.30	0.08	0.08-0.20	-
Type of Our Products:	Rolled Billet, SBQ									

<b>30CrNiMo8</b>	Standard: DIN 17200				Material Number: 1.658					
Equivalent Grades:	SAE/AISI 4340		BSi BS 823M30							
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.26-0.34	0.40	0.30-0.60	0.035	0.03	1.80-2.20	0.30-0.50	1.80-2.20	-	-
Type of Our Products:	Rolled Billet, SBQ									





# Pasco Steel Grades

<b>Bearing Steels</b>	<b>100Cr6</b>	Standard: DIN 17230				Material Number: 1.3505					
	Equivalent Grades:	SAE/AISI 52100		GB GB/T B00150							
	Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Ni (max)	Cu (max)	Mo	Oth
		0.90-1.05	0.15-0.35	0.25-0.45	0.030	0.025	1.35-1.65	0.30	0.30	-	-
	Type of Our Products:	SBQ, Wire Rod									
<b>Bearing Steels</b>	<b>100CrMo7</b>	Standard: DIN 17230				Material Number: 1.3537					
	Equivalent Grades:	JIS 100CrMo7									
	Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni (max)	Cu (max)	Oth
		0.90-1.05	0.20-0.40	0.25-0.45	0.030	0.025	1.65-1.95	0.15-0.25	0.30	0.30	-
	Type of Our Products:	SBQ									

<b>Spring Steels</b>	<b>CK55</b>	Standard: DIN 17200				Material Number: 1.1203					
	Equivalent Grades:	SAE/AISI 1055		GB GB 55		JIS S55C					
	Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
		0.52-0.60	0.40	0.60-0.90	0.045	0.045	-	-	-	-	-
Type of Our Products:	SBQ, Rolled Billet										



# Pasco Steel Grades

<b>CK60</b>	Standard: DIN 17200		Material Number: 1.1221							
Equivalent Grades:	SAE/AISI 1060, 1064		GB GB/T 60		JIS S58C					
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.57-0.65	0.40	0.60-0.90	0.035	0.03	-	-	-	-	-
Type of Our Products:	SBQ, Rolled Billet									

<b>CK75</b>	Standard: DIN 17222		Material Number: 1.1248							
Equivalent Grades:	SAE/AISI 1070, 1075		GB GB/T 75		JIS S75CM					
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.70-0.80	0.15-0.35	0.60-0.80	0.035	0.035	-	-	-	-	-
Type of Our Products:	SBQ, Rolled Billet									

<b>55Cr3</b>	Standard: DIN EN 10089		Material Number: 1.7176							
Equivalent Grades:	SAE/AISI 5155, 5160		GB GB/T 60CrMnA		JIS JIS SUP9					
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.52-0.59	0.40	0.70-1.00	0.025	0.025	0.70-1.00	-	-	-	-
Type of Our Products:	SBQ									



# Pasco Steel Grades

<b>51CrV4</b>	Standard: DIN EN 10089				Material Number: 1.8159					
Equivalent Grades:	SAE/AISI 6150		GB 55CrVA		JIS SUP10					
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.47-0.55	0.40	0.70-1.10	0.025	0.025	0.90-1.20	-	-	0.10-0.25	-
Type of Our Products:	SBQ									

<b>52CrMoV4</b>	Standard: DIN EN 10089				Material Number: 1.7701					
Equivalent Grades:	SAE/AISI 4150		AFNOR 51CDV4							
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.48-0.56	0.40	0.70-1.10	0.025	0.025	0.90-1.20	0.15-0.30	-	0.10-0.20	-
Type of Our Products:	SBQ									

<b>54SiCr6</b>	Standard: DIN EN 10089				Material Number: 1.7102					
Equivalent Grades:	cen EN 1.8152									
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.51-0.59	1.20-1.60	0.50-0.80	0.025	0.025	0.50-0.80	-	-	-	-
Type of Our Products:	Wire Rod									



# Pasco Steel Grades

<b>60SiCr7</b>	Standard: DIN 17221				Material Number: 1.7108				
Equivalent Grades:	DIN EN 61SiCr7		SAE/AISI 9260		cen EN 61SiCr7				
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	V	
	0.55-0.65	1.50-1.80	0.70-1.00	0.025	0.025	0.20-0.40	-	-	
Type of Our Products:	SBQ								

<b>38Si7</b>	Standard: DIN EN 10089				Material Number: 1.5023					
Equivalent Grades:	cen EN 38Si7									
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.35-0.42	1.50-1.80	0.50-0.80	0.025	0.025	-	-	-	-	-
Type of Our Products:	SBQ									

<b>Case Hardening Steels</b>	<b>18CrNi8</b>	Standard: DIN 17210				Material Number: 1.5920					
	Equivalent Grades:	cen EN 18CrNi8									
	Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo (max)	Ni	V	Oth
		0.15-0.22	0.17-0.37	0.40-0.70	0.035	0.035	1.80-2.10	0.10	1.80-2.10	-	-
Type of Our Products:	Rolled Billet, SBQ										



# Pasco Steel Grades

<b>34CrNiMo6</b>	Standard: DIN EN 10083				Material Number: 1.6582					
Equivalent Grades:	SAE/AISI 4340		Bsi BS 817M40		JIS SNCM447					
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.30-0.38	0.40	0.50-0.80	0.035	0.035	1.30-1.70	0.15-0.30	1.30-1.70	-	-
Type of Our Products:	Rolled Billet, SBQ									

<b>18CrNiMo7-6</b>	Standard: DIN EN 10084				Material Number: 1.6587					
Equivalent Grades:	SAE/AISI 4820		Bsi 18CrNiMo7-6		JIS 18CrNiMo7-6		DIN 17CrNiMo6			
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.15-0.21	0.40	0.50-0.90	0.035	0.035	1.50-1.80	0.25-0.35	1.40-1.70	-	-
Type of Our Products:	Rolled Billet, SBQ									

<b>27MnCrB5-2</b>	Standard: DIN EN 10083				Material Number: 1.7182					
Equivalent Grades:										
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	B	
	0.24-0.30	0.40	1.10-1.40	0.035	0.040	0.30-0.60	-	-	0.0008-0.0050	
Type of Our Products:	Rolled Billet, SBQ									



# Pasco Steel Grades

<b>16MnCr5</b>	Standard: DIN EN 10084				Material Number: 1.7131					
Equivalent Grades:	SAE/AISI 5115		Bsi BS 527M20		JIS SCR415					
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.14-0.19	0.40	1.00-1.30	0.035	0.035	0.80-1.10	-	-	-	-
Type of Our Products:	Rolled Billet									

## Cold Heading Steels

<b>33B2</b>	Standard: DIN EN 10263				Material Number: 1.5514					
Equivalent Grades:	cen EN 33B2									
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr (max)	Cu (max)	Mo	B	
	0.30-0.35	0.30	0.60-0.90	0.025	0.025	0.30	0.25	-	0.0008-0.005	
Type of Our Products:	SBQ									

<b>30MnB4</b>	Standard: DIN EN 10263				Material Number: 1.5526					
Equivalent Grades:	SAE/AISI		GB		JIS					
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Cu (max)	B	
	0.27-0.32	0.30	0.80-1.10	0.025	0.025	0.30	-	0.25	0.0008-0.005	
Type of Our Products:	SBQ									



# Pasco Steel Grades

<b>31CrMoB2-1</b>	Standard: DIN EN 10263				Material Number: 1.7272				
Equivalent Grades:	cen EN 31CrMoB2-1								
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Cu (max)	B
	0.28-0.33	0.30	0.90-1.20	0.025	0.025	0.40-0.55	0.10-0.15	0.25	0.0008-0.005
Type of Our Products:	SBQ								

<b>C10C</b>	Standard: DIN EN 10263				Material Number: 1.0214				
Equivalent Grades:	SAE/AISI 1012		DIN QSt 36-3		JIS SWCH10		GB GB/T ML10Al		
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	Al
	0.08-0.12	0.10	0.30-0.50	0.025	0.025	-	-	-	0.020-0.060
Type of Our Products:	SBQ								

<b>C15C</b>	Standard: DIN EN 10263				Material Number: 1.0234				
Equivalent Grades:	JIS SWRCH15A		DIN QSt 38-3						
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	Al
	0.13-0.17	0.10	0.35-0.60	0.025	0.025	-	-	-	0.020-0.060
Type of Our Products:	SBQ								



# Pasco Steel Grades

<b>C20C</b>	Standard: DIN EN 10263				Material Number: 1.0411				
Equivalent Grades:	cen EN 1.0411								
Main Chemical Composition(wt.%):	C	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	Al
	0.18-0.22	0.10	0.70-0.90	0.025	0.025	-	-	-	0.020-0.060
Type of Our Products:	SBQ								

<b>SAE10B21</b>	Standard: SAE J403				Material Number: 1.0044				
Equivalent Grades:	DIN St44-2		GB GB/T Q255A		AFNOR S275JR				
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni	B
	0.18-0.23	-	0.60-0.90	0.030	0.050	-	-	-	0.0005-0.003
Type of Our Products:	SBQ, Wire Rod								

<b>SAE10B35</b>	Standard: SAE J403				Material Number: 1.0516				
Equivalent Grades:	DIN D 35-2		GB GB/T C38D		AFNOR C38D				
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni	B
	0.32-0.38	-	0.60-0.90	0.030	0.050	-	-	-	0.0005-0.003
Type of Our Products:	SBQ, Wire Rod								





# Pasco Steel Grades

<b>SAE10B38</b>	Standard: SAE J403				Material Number: 1.1150				
Equivalent Grades:	DIN C38D2		GB GB/T C38D2		JIS S35CM				
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni	B
	0.35-0.42	–	0.60-0.90	0.030	0.050	–	–	–	0.0005-0.003
Type of Our Products:	SBQ, Wire Rod								

<b>RSt34</b>	Standard: DIN 17100				Material Number: 1.0034					
Equivalent Grades:	GB Q215									
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	0.11-0.16	0.04-0.07	0.50-0.80	0.05	0.05	0.010-0.014				–
Type of Our Products:	Billet & Bloom, Wire Rod									

<b>SG2</b>	Standard: DIN 8559				Material Number: –					
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr (max)	Mo	Ni (max)	Cu (max)	Oth
	0.06-0.13	0.70-1.00	1.30-1.060	0.025	0.025	0.15	–	0.15	0.30	–
Type of Our Products:	Billet & Bloom, Wire Rod									

Electrode Steels



# Pasco Steel Grades

<b>SG3</b>	Standard: DIN 8559				Material Number: _					
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr (max)	Mo	Ni (max)	Cu (max)	Oth
	0.06-0.13	0.80-1.20	1.60-1.90	0.025	0.025	0.15	_	0.15	0.30	_
Type of Our Products:	Wire Rod									

<b>SWRY11</b>	Standard: JIS G 3503				Material Number: 1.0204					
Equivalent Grades:	SAE/AISI 1008		DIN C11G1C		UNS G10080					
Main Chemical Composition(wt.%):	C (max)	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni	V +Nb + Ti (max)	
	0.09	0.03	0.35-0.65	0.020	0.023	_	_	_	0.15	
Type of Our Products:	Wire Rod									

## Oil and Gas Steels

<b>X52</b>	Standard: API 5L				Material Number: _					
Equivalent Grades:	API 5L L360		GB		JIS					
Main Chemical Composition(wt.%):	C (max)	Si	Mn (max)	P (max)	S (max)	Cr	Mo	Ni	V +Nb + Ti (max)	
	0.28	_	1.40	0.030	0.030	_	_	_	0.15	
Type of Our Products:	Billet & Bloom									



# Pasco Steel Grades

<b>L80</b>	Standard: API 5CT				Material Number: –					
Main Chemical Composition(wt.%):	Type	C (max)	Si (max)	Mn	P (max)	S (max)	Cr	Mo	Ni (max)	Cu (max)
	1	0.43	0.45	max 1.90	0.030	0.030	–	–	0.25	0.30
	9Cr	0.15	1.00	0.30-0.60	0.020	0.010	8.00-10.00	0.90-1.10	0.50	0.20
Type of Our Products:	Billet & Bloom									

<b>P110</b>	Standard: API 5CT				Material Number: –					
Main Chemical Composition(wt.%):	C	Si	Mn	P (max)	S (max)	Cr	Mo	Ni	V	Oth
	–	–	–	0.030	0.030	–	–	–	–	–
Type of Our Products:	Billet & Bloom									

<b>C110</b>	Standard: API 5CT				Material Number: –					
Main Chemical Composition(wt.%):	C (max)	Si	Mn (max)	P (max)	S (max)	Cr	Mo	Ni (max)	Cu	Oth
	0.35	–	1.20	0.020	0.005	0.40-1.50	0.25-1.00	0.99	–	–
Type of Our Products:	Billet & Bloom									