

Apple Steel Delivery Programme



A selection of Steel Grades



Pipe, fittings, flanges, bar, valves and many other piping products in any size or grade.

DELIVERY PROGRAMME: ASTM / ASME

PIPE, FITTINGS, FLANGES & FORGINGS

Seamless & Welded	WP-S, WP-W & WP-WX	
ASME B36.10	ASME B16.9	ASME B16.5
ASME B36.19	MSS SP-75	ASME B16.47
	ASME B16.11	

CARBON STEEL

ASTM A53 grade A / B		
ASTM A106 gr A / B / C	ASTM A234 WPB / WPC	A105 / N
ASTM A672 C65, C70 etc all classes		
API 5L / ISO 3183	A860 WPHY 52	A694F52
grade B / X42	A860 WPHY 60	A694F60
X52 / X60 / X65	A860 WPHY 65	A694F65
X70 / X80 / X100	A860 WPHY 70	A694F70
ASTM A519 - 4130	AISI 4130	

LOW TEMP CARBON STEEL

ASTM A333 grade 6	A420 WPL6	A350LF2 cl.1
ASTM A333 grade 3	A420 WPL3	A350LF3
ASTM A671 CC65, CC70 etc all classes		A350LF6

CR-MO STEEL

ASTM A335 & A691	ASTM A234	ASTM A182
A335 P1	A234 WP1	A182 F1
A335 P11 1¼Cr	A234 WP11	A182 F11
A335 P12 1Cr	A234 WP12	A182 F12
A335 P22 2¼Cr	A234 WP22	A182 F22
A335 P23		A182 F23
A335 P5 5Cr	A234 WP5	A182 F5
A335 P9 9Cr	A234 WP9	A182 F9
A335 P91 91	A234 WP91	A182 F91

A335 P92

AUSTENITIC STAINLESS STEEL

STM A312 & A358		
TP304 / L / H	A403 WP304 / L / H	A182F304 / L / H
TP316 / L / H / Ti	A403 WP316 / L / H	A182F316 / L / H / Ti
TP321 / 321H	A403 WP321 / H	A182F321 / H
TP347 / 347H	A403 WP347 / H	A182F347 / H
UNS S31254 / 254 SMO® / 6Mo	A403 WPS31254	A182F44
TP309	A403 WP309	A182F309
TP310S	A403 WP310S	A182F310
TP904L UNS N08904	A403 WP904L	A182F904L

DUPLEX STAINLESS STEEL

DELIVERY PROGRAMME: EN / DIN

PIPE, FITTINGS, FLANGES & FORGINGS

Seamless & Welded		
EN10216 / EN10217	EN10253	EN1092
EN10208	DIN2609	EN10222
DIN17175 / DIN17173		

CARBON STEEL & LOW TEMPERATURE CARBON STEEL

1.0345	P235GH	HI
1.0460	P245GH	C22.8
1.0425	P265GH	HIII
1.0487	P285GH	WStE285
1.0481		17 Mn 4
1.0565	P355NH	WStE355
1.0566	P355NL1	TSTE355
1.0473		19 Mn 6
1.8935		WStE460
1.5637	12Ni14	
1.0582	L360NB	
1.8972	L415NB	

St 37.0 - St 35.8 I - St 35.8 III - St 52.0 - St 52.3

CR-MO STEEL

1.5415	16Mo3	
1.7335	13CrMo4-5	
1.7380	10CrMo9-10	
1.7383	11CrMo9-10	
1.7362	X11CrMo5	
1.4903	X10CrMoVNb9-1	
1.4901	X10CrWMoVNb9-2	
1.6368	15NiCuMoNb5-6-4	WB36

AUSTENITIC STAINLESS STEEL

1.4301	X5 CrNi 18-10	(304)
1.4306 / 1.4307	X2 CrNi 18-9	(304L)
1.4948	X6 CrNi 18-10	(304H)
1.4401	X2 CrNiMo 17-13-2	(316)
1.4404	X2 CrNiMo 17-12-2	(316L)
1.4435	X2 CrNiMo 18-14-3	(316L Mo+)
1.4571	X6 CrNiMoTi 17-12-2	(316Ti)
1.4541	X6CrNiTi18-10	(321)
1.4941	X8 CrNiTi 18-10	(321H)
1.4550	X6 CrNiNb 18-10	(347)

1.4547 X1 CrNiMoCuN 20-18-7 (6Mo)

ASTM A790 & A928

UNS S31803

UNS S32205

UNS S32750

UNS S32760

A815 WPS31803

A815 WPS32205

A815 WPS32750

A815 WPS32760

A182F51 UNS S31803

A182F60 UNS S32205

A182 F53 UNS S32750

A182F55 UNS S32760

1.4833

1.4845

1.4539

DUPLEX STAINLESS STEEL

1.4462

1.4410

1.4501

X7 CrNi 23-14

X12 CrNi 25-21

X1 NiCrMoCu 25-20-5

X2 CrNiMoN 22-5-3

X2 CrNiMoN 25-7-4

X2 CrNiMoCuWN 25-7-4

(309S)

(310S)

(904)

(S31803)

(S32750)

(S32760)

Pipe, fittings, flanges, bar, valves and many other piping products in any size or grade.

VALVES

ASME B16.34 : GATE, GLOBE, CHECK, BALL, BUTTERFLY, DOUBLE BLOCK & BLEED

	AUSTENITIC STAINLESS STEEL		DUPLEX STAINLESS STEEL
Cast	A216 WCB	A217 WC6	A351 CF8
	A216 WCC	A217 WC9	A351 CF3
		A217 C5	A351 CF10
	ASTM A352 LCB	A217 C12	A351 CF8M
	ASTM A352 LCC	A217 C12A	A351 CF3M
			A351 CF10M
			A351 CF8C
Forged	A105 / N	A182 F1	A182 F304 / L / H
		A182 F11 / F12	A182 F316 / L / H / Ti
	A350 LF2	A182 F22	A182 F321 / H
		A182 F5	A182 F347 / H
		A182 F9	A182 F44
		A182 F91 / F92	
			A182 F51 UNS S31803
			A182 F60 UNS S32205

SOLID BAR FORGED & ROLLED

ASTM / ASME	EN / DIN	AUSTENITIC STAINLESS STEEL	DUPLEX STAINLESS STEEL
A105 / N	P250GH 1.0460 C22.8	A182 F1	A182 F51 UNS S31803
	P280GH 1.0436	A182 F11 cl.2	A182 F60 UNS S32205
A350 LF2 cl.1	P355NH 1.0560	A182 F12 cl.2	A182 F53 UNS S32750
	TStE355 1.0566	A182 F22 cl.3	A182 F55 UNS S32760
		A182 F5	
		A182 F9	
		A182 F91 / F92	
		1.5415 16 Mo 3	1.4301 X5 CrNi 18-10 (304)
		1.7335 13 CrMo 4-5	1.4306 X2 CrNi 18-9 (304L)
		1.7380 10 CrMo 9-10	1.4948 X6 CrNi 18-10 (304H)
		1.7383 11 CrMo 9-10	1.4401 X2 CrNiMo 17-13-2 (316)
		1.7362 X11 CrMo 5	1.4404 X2 CrNiMo 17-12-2 (316L)
		1.4903 X10 CrMoVNb 9-1	1.4435 X2 CrNiMo 18-14-3 (316 Mo+)
		1.4901 X10 CrWMoVNb 9-2	1.4571 X6 CrNiMoTi 17-12-2 (316Ti)
		1.6368 15 NiCuMoNb 5-6-4	1.4541 X6CrNiTi18-10 (321)
		WB36	1.4941 X8 CrNiTi 18-10 (321H)
			1.4550 X6 CrNiNb 18-10 (347)
			1.4547 X1 CrNiMoCuN 20-18-7 (6Mo)
			1.4833 X7 CrNi 23-14 (309S)
			1.4845 X12 CrNi 25-21 (310S)
			1.4542 X5 CrNiCuNb 16-4 (630) 17-4 PH
			1.4539 X1 NiCrMoCu 25-20-5 (904)

NICKEL ALLOYS

	PIPE	FITTINGS	FLANGES / FORGINGS	EN / DIN
Seamless & Welded				
ASME B36.19	ASTM B161 / B165 / B622 / B 619 / B705 / B729	ASME B16.9 / B16.11	ASME B16.5 / B16.47	
	UNS N08020 Alloy 20	ASTM B366	ASTM B462 / B564	
	UNS N02200 Alloy 200	WP20CB	UNS N08020	2.4660 NiCr 20 CuMo
	UNS N04400 Alloy 400	WPN	UNS N02200	2.4066 Ni 99.2
Monel®	UNS N06600 Alloy 600	WPNC	UNS N04400	2.4360 NiCu 30 Fe
Inconel®	UNS N06625 Alloy 625	WPNCI	UNS N06600	2.4816 NiCr 15 Fe
		WPNCMC	UNS N06625	2.4856 NiCr 22 Mo 9 Nb

Incoloy®	UNS N08800 Alloy 800	WPNIC	UNS N08800	1.4876	X10 NiCrAlTi 32-20
	UNS N08810 Alloy 800H/HT	WPNIC10	UNS N08810	1.4958	X5 NiCrAlTi 31-20
	UNS N08825 Alloy 825	WPNICMC	UNS N08825	2.4858	NiCr 21 Mo
Hastelloy®	UNS N05500 Alloy K500		UNS N05500	2.4375	NiCu 30 Al
	UNS N10276 C-276	WPHC276	UNS N10276	2.4819	NiMo 16 Cr 15 W



APPLE STEEL

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