

## CROSS REFERENCE OF POPULAR INTERNATIONAL SPECIFICATIONS

### Popular Chemistry Only Grades

AISI (USA)	Material No.	DIN (German)	BS (British)	JIS (Japanese)
1020	1.0402	17200-C22	970 Pt. 1 040M20	G4051-S20C
1030	1.0503	17200-C30	970 Pt. 1 080M30	G4051-S30C
1040	1.0511	17200-C40	970 Pt. 1 080M40	G4051-S40C
1045	1.0503	17200-C45	970 Pt. 1 080M46	G4051-S45C
4130	1.7220	17200-34CrMo4	970 Pt. 1 708A30	G4105-SCM 430
4140	1.7225	17200-42CrMo4	970 Pt. 1 708M40	G4105-SCM 440
4340	1.6565	40NiCrMo6	-	G4103-SNCM 439

### Popular Structural Grades

ASTM (USA)	Material No.	DIN (German)	BS (British)	JIS (Japanese)
A36	1.0044	17100 St 44-2	4360 43A	G3101-SS 400
A572*	-	-	4360 50B	G3106-SM 490, 520, 570
A588	-	-	-	G3114-SMA 490
A633*	1.0570	17100 St 52-3	-	G3106-SM 520
	1.0505	17102 StE 315	-	G3106-SM 490
	1.0562	17102 StE 355	4360 50D, 50E	G3106-SM 520
	1.8902	17102 StE 420	4360 55F	G3106-SM 570
A514*	-	-	-	G3128-SHY 685, 685N, 685NS

### Popular Pressure Vessel Grades

ASTM (USA)	Material No.	DIN (German)	BS (British)	JIS (Japanese)
A285*	1.0345	17155 HI	1501-151, 360, 400	G3115-SPV 235
A516*	1.0425	17155 HII	1501-224, 360, 400,	G3118-SGV 410, 450, 480
	1.0481	17155 17MN4	430, 490	
A537*	1.0473	17155 19MN6	1501-224, 490	G3115 SPV 355
A387*	1.7335	17155 13CRM04 4	1501-620, 621	G4109-SCMV 2, 3
	1.7380	17155 10CRM09 10	1501-622	G4109-SCMV 4
A553	1.5662	17280 8XNI9	-	-

Exact substitution is often not possible; review specification of interest before ordering. ISG Plate will accept orders to popular specifications independent of origin.

\* Various Grades and/or Classes available.



## PLATE WEIGHT

Width x Length (mm)	1219 x 2438	1219 x 6096	1524 x 3048	1524 x 6096	1524 x 9144	1524 x 12192	1829 x 6096	1829 x 12192	2133 x 6096	2133 x 12192	2438 x 6096	2438 x 12192	2743 x 6096	2743 x 12192	
Width x Length (ft) (inch)	4'x8' 48x96	4'x20' 48x240	5'x10' 60x120	5'x20' 60x240	5'x30' 60x360	5'x40' 60x480	6'x20' 72x240	6'x40' 72x480	7'x20' 84x240	7'x40' 84x480	8'x20' 96x240	8'x40' 96x480	9'x20' 108x240	9'x40' 108x480	
Thickness (mm)	KG						PC								
1.2	27.99	70.00	43.75	87.51											
1.4	32.66	81.66	51.05	102.10											
1.5	34.99	87.50	54.69	109.39											
1.8	41.99	105.00	65.63	131.27											
2.0	46.65	116.66	72.92	145.85											
2.3	53.65	134.16	83.86	167.73											
2.5	58.32	145.83	91.16	182.32											
2.8	65.32	163.33	102.10	204.20											
3.0	69.98	175.00	109.39	218.78											
4.0	93.31	233.33	145.85	291.71											
4.3	100.31	250.83	156.79	313.59											
4.5	104.98	262.50	164.09	328.18											
5.0	116.64	291.66	182.32	364.64											
5.8	135.31	338.33	211.49	422.98											
6.0	139.97	350.00	218.78	437.57	656.35	875.14	525.14								
7.5	174.97	437.50	273.48	546.96	820.44	1093.93	656.43								
8	187	467	292	583	875	1167	700	1400	817	1634	933	1867	1051	2100	
9	210	525	328	656	985	1313	788	1575	919	1837	1050	2100	1182	2363	
10	233	583	365	729	1094	1459	875	1750	1021	2042	1167	2333	1313	2625	
12	280	700	438	875	1313	1750	1050	2100	1225	2450	1400	2800	1575	3151	
12.7	296	741	463	926	1389	1852	1112	2223	1296	2593	1482	2363	1667	3334	
14	327	817	510	1021	1532	2042	1225	2450	1429	2858	1634	3267	1838	3675	
15	350	875	547	1094	1641	2187	1313	2626	1532	3062	1750	3500	1969	3938	
16	373	933	584	1167	1750	2334	1400	2801	1634	3266	1867	3734	2100	4201	
18	420	1050	656	1313	1969	2625	1575	3151	1837	3675	2100	4200	2363	4725	
19	443	1108	693	1386	2078	2771	1663	3326	1939	3879	2217	4433	2494	4988	
20	467	1167	729	1459	2188	2917	1751	3501	2041	4083	2333	4667	2625	5250	
22	513	1283	802	1604	2406	3209	1926	3851	2246	4491	2567	5133	2888	5776	
24	560	1400	875	1750	2625	3501	2101	4201	2450	4900	2800	5600	3150	6301	
25	583	1458	912	1823	2735	3646	2188	4376	2552	5104	2917	5833	3282	6563	
25.4	593	1482	926	1852	2778	3705	2223	4446	2593	5185	2963	5927	3334	6668	
26	607	1517	948	1896	2884	3792	2276	4551	2654	5308	3033	6067	3413	6826	
28	653	1633	1021	2042	3063	4084	2450	4901	2858	5716	3267	6534	3676	7351	
30	700	1750	1094	2188	3282	4376	2626	5251	3062	6124	3500	7000	3938	7876	
32	747	1867	1167	2334	3501	4668	2801	5602	3266	6533	3733	7467	4200	8401	
36	840	2100	1313	2625	3938	5251	3151	6302	3675	7349	4200	8400	4725	9450	
38	887	2217	1386	2771	4157	5542	3326	6652	3879	7757	4433	8867	4988	9976	
40	933	2333	1458	2917	4376	5834	3500	7001	4083	8186	4667	9334	5250	10500	
45	1050	2625	1641	3282	4923	6564	3938	7877	4593	9186	5250	10500	5907	11814	
50	1167	2917	1823	3646	5470	7293	4376	8752	5104	10207	5833	11666	6563	13126	
55	1283	3209	2006	4011	6017	8022	4814	9628	5614	11228	6417	12833	7219	14439	
60	1400	3500	2188	4376	6564	8752	5251	10503	6124	12249	7000	14000	7876	15751	
65	1516	3792	2370	4740	7111	9481	5689	11378	6635	13269	7583	15167	8532	17064	
70	1633	4083	2553	5105	7658	10210	6127	12253	7145	14290	8167	16333	9188	18377	

\* Calculated Considering Specific-Gravity of Steel As 7.85kg/mm<sup>2</sup> and Dimension in mm