



**ASTM Standards Cross Over**

Compilation of technical data.  
 PAI does not assume any responsibility.

| METAL   | TYPE              | UNS DESIGNATION      | PLATE            | BAR            | PIPE                | WELD FITTINGS  |
|---|-------------------|----------------------|------------------|----------------|---------------------|----------------|
| AUSTENITIC/<br>FERRITIC/<br>MARTENSITIC<br>STAINLESS<br>STEEL | WP-304/304H/304L  | S30400/S30409/S30403 | SA, A-240        | SA, A-479      | SA, A-312, 358      | SA, A-403      |
|   | WP-309/309S       | S30900/S30908        | SA, A-240        | SA, A-479      | SA, A-312, 358      | SA, A-403      |
|   | WP-310/310S       | S31000/S31008        | SA, A-240        | SA, A-479      | SA, A-312, 358      | SA, A-403      |
|   | WP-316/316H/316L  | S31600/S31609/S31603 | SA, A-240        | SA, A-479      | SA, A-312, 358      | SA, A-403      |
|   | WP-317/317L/317LM | S31700/S31703/S31725 | SA, A-240        | SA, A-479      | SA, A-312, 358      | SA, A-403      |
|   | WP-321/321H       | S32100/S32109        | SA, A-240        | SA, A-479      | SA, A-312, 358      | SA, A-403      |
|   | WP-347/347H       | S34700/S32109        | SA, A-240        | SA, A-479      | SA, A-312, 358      | SA, A-403      |
|   | 253MA             | S30815               | SA, A-240        | SA, A-479      | SA, A-312, 358      |                |
|   | 254 SMO           | S31254               | SA, A-240, 167   | SA-182         | SA, A-312, 358      | SA-403 pending |
|   | Ferrarium 255     | S32550               | SA, A-240        | SA, A-479      | SA, A-790           |                |
|   | WP-410/410S       | S41000/S41008        | SA, A-240, 176   | SA, A-479, 276 | SA, A-268           | SA, A-815/815M |
|   | WP-430            | S43000               | SA, A-240, 176   | SA, A-479, 276 | SA, A-268           | SA, A-815/815M |
|   | WP-446            | S44600               | A-176            | A-276          | SA, A-268           | SA, A-815/815M |
|   | 2205              | S31803               | SA, A-240        | SA, A-182 F51  | SA, A-790           | SA, A-815/815M |
| NICKEL &<br>NICKEL<br>ALLOYS<br>BASE                          | 200 WPN           | N02200               | SB, B-162        | SB, B-160      | SB, B-161           | SB, B-366      |
|   | 201 WPNL          | N02201               | SB, B-162        | SB, B-160      | SB, B-161           | SB, B-366      |
|   | 400 WPNC          | N04400               | SB, B-127        | SB, B-164      | SB, B-165           | SB, B-366      |
|   | 600 WPNCI         | N06600               | SB, B-168        | SB, B-166      | SB, B-167, 516, 517 | SB, B-366      |
|   | 601               | N06601               | AMS 5870, -A, -B | AMS 5715       |                     |                |
|   | 625 WPNCMC        | N06625               | SB, B-443        | SB, B-446      | SB, B-444           | SB, B-366      |
|   | WP-330            | N08330               | SB, B-536        | SB, B-511, 512 | SB, B-535           | SB, B-366      |
|   | 800 WPNIC         | N08800               | SB, B-409        | SB, B-408      | SB, B-407, 514      | SB, B-366      |
|   | 800H/800HT WPNIC  | N08810/N08811        | SB, B-409        | SB, B-408      | SB, B-407, 514      | SB, B-366      |
|   | 825 WPNICMC       | N08825               | SB, B-424        | SB, B-425      | SB, B-423           | SB, B-366      |
|   | 904L              | N08904               | SB, B-625        | SB, B-649      | SB, B-673           |                |
|   | AL6XN             | N08367               | SB, B-688        | SB, B-691      | SB, B-675, 690      |                |
|   | 20CB WP20CB       | N08020               | SB, B-463        | SB, B-473      | SB, B-464, 468, 474 | SB, B-366      |
|   | B-2 WPHB-2        | N10665               | SB, B-333        | SB, B-335      | SB, B-619           | SB, B-366      |
|   | C-276 WPHC-276    | N10276               | SB, B-575        | SB, B-574      | SB, B-619           | SB, B-366      |
| X WPHX  | N06002            | SB, B-435            | SB, B-572        | SB, B-619      | SB, B-366           |                |
| G3 WPHG3  | N06985            | SB, B-582            | SB, B-581        | SB, B-619      | SB, B-366           |                |
| ALUMINIUM<br>ALLOYS   | WP-1060           | A91060               | SB, B-209        | SB, B-221, 211 | SB, B-241           | B-361          |
|   | WP-3003           | A93003               | SB, B-209        | SB, B-221, 211 | SB, B-241           | B-361          |
|   | WP-5052           | A95052               | SB, B-209        | B-211          | SB, B-241           |                |
|   | WP-5083           | A95083               | SB, B-209        | SB, B-221      | SB, B-241           | B-361          |
|   | WP-5086           | A95086               | SB, B-209        | SB, B-221      | SB, B-241           | B-361          |
|   | WP-6061           | A96061               | SB, B-209        | SB, B-211, 221 | SB, B-241           | B-361          |
|   | WP-6063           | A96063               | SB, B-209        | SB, B-221      | SB, B-241           | B-361          |
| COPPER<br>NICKEL<br>ALLOYS                                    | 90/10 (706)       | C70600               | SB-171, SB-402   | SB, B-151      | SB-466, 467         |                |
|   | 70/30 (715)       | C71500               | SB-171, SB-402   | B-151          | SB-466, 467         |                |
| SILICON/<br>BRONZE  | 655               | C65500               | SB, B-96         | SB, B-98       | SB, B-315           |                |
| CARBON &<br>ALLOY<br>STEEL                                    | WP-B              |                      | SA, A-516, GR 70 | SA, A-105      | SA, A-106, GR B     | SA, A-234      |
|   | WP-C              |                      | SA, A-516, GR 70 | SA, A-105      | SA, A-106, GR C     | SA, A-234      |
|   | WP-1              |                      | SA, A-204, GR B  | SA, A-182 F1   | SA, A-335, P1       | SA, A-234      |
|   | WP-5              |                      | SA, A-387, GR 5  | SA, A-182 F5   | SA, A-335, P5       | SA, A-234      |
|   | WP-9              |                      | SA, A-387, GR 9  | SA, A-182 F9   | SA, A-335, P9       | SA, A-234      |
|   | WP-11             |                      | SA, A-387, GR 11 | SA, A-182 F11  | SA, A-335, P11      | SA, A-234      |
|   | WP-12             |                      | SA, A-387, GR 12 | SA, A-182 F12  | SA, A-335, P12      | SA, A-234      |
| WP-22   |                   | SA, A-387, GR 22     | SA, A-182 F22    | SA, A-335, P22 | SA, A-234           |                |
| LOW-<br>TEMPERATURE<br>STEEL                                  | WP-L3             |                      | SA, A-203, GR E  | SA, A-350 LF3  | SA, A-333, GR 3     | SA, A-420      |
|   | WP-L6             |                      | SA, A-516, GR 70 | SA, A-350 LF2  | SA, A-333, GR 6     | SA, A-420      |
|   | WP-L8             |                      | SA, A-353        | SA, A-522      | SA, A-333, GR 8     | SA, A-420      |
| TITANIUM  | Gr-2, WP-T2       | R50400               | SB, B-265        | SB, B-348      | SB, B-337           | SB, B-363      |
|   | Gr-7, WP-T7       | R52400               | SB, B-265        | SB, B-348      | SB, B-337           | SB, B-363      |
| ZIRCONIUM   | Gr-702, PZ-2      | R60702               | SB, B-551        | SB, B-550      | SB, B-658           | B-653          |
|   | Gr-705, PZ-5      | R60705               | SB, B-551        | SB, B-550      | SB, B-658           | B-653          |