

The following table lists the correlation of Quality Castings standard alloys to Australian, British and American Casting Specifications and Wrought Alloy equivalents.

| Q.C. Alloy | Unified Number | Australian Standard | British Standard | A.S.T.M. Standard | Wrought Equivalents | | | Description |
|--------------|----------------|-------------------------------|--|--|----------------------|-------------|----------------|---|
| | | | | | AS:1444 AISI | ASG18 (En.) | BS870 | |
| S3 | J03002 | 2074-C3 C4-1 C4-2 | 3100-A1, A2 1504-161 430, 480, 540 | A27 – All Grades A216-WCA, WCB, WCC A352-LCA, LCB A487-A, B | 1018 1020 1023 | -- | 080A20 | General purpose carbon steel. Also applicable to sub-ambient and moderately elevated temperature use. |
| R10 | F41000 | 1833: L-Ni Cu Cr 15-6-2 | 3468: L-Ni Cu Cr 15-6-2 | A436 Type 1 | -- | -- | -- | Type 1 Ni-resist. Austenitic Cast Iron. |
| R11 | F41002 | 1833: L-Ni Cr 20-2 | 3468 L-Ni Cr 20-2 | A436 Type 2 | -- | -- | -- | Type 2 Ni-resist. Austenitic Cast Iron. |
| R11SG | F43000 | 1833: S-Ni Cr 20-2 | 3468: S-Ni Cr 20-2 | A439 Type D2 | -- | -- | -- | S.G. Ni-resist. Ductile Austenitic Cast Iron. |
| R23 | J91153 | 2074: H3A, H3B | 3100-410C21, 420C29, 1504-420C29 | A217, A296, A487, A743: CA-15, CA-15M | 410 | 56A 56B | 410S21 | High strength, wear resistant stainless steel. |
| R23HC | -- | -- | 3100-420C24 | A743: CA-40 | 420 | 56C 56D | 420S37 | High strength, wear resistant stainless steel. |
| R24 | J91540 | -- | 3100-425C11 1504-425C11 | A487, A743: CA-6MN | -- | -- | -- | High strength, tough stainless steel. |
| R26 | J91803 | -- | -- | -- | 431 | 57 | 431S29 | High strength wear and corrosion resistant stainless steel. |
| R27 | J92170 | 2074-H7B | -- | A747: CB-7Cu-2 | (XM-12) | -- | -- | 15/5 PH high strength precipitation hardening stainless steel. |
| R28 | J92170 | 2074-H7A | -- | A747: CB-7Cu-1 | (630) | -- | -- | 17/4 PH high strength precipitation hardening stainless steel. |
| R29 | -- | -- | -- | A351, A743, A744; CD-4M Cu A890: Gr 4A, 5A | (329) | -- | -- | Duplex stainless steel. |
| R30 | J91270 | 2074-H5C | 3100-347C17 | A351, A743, A744; CF-8C | 347 | -- | 347S17 | 18/8 Nb corrosion resistant stabilised stainless steel. |
| R31 | J92600 | 2074-H5A, H5B | 3100-302C25 1504-304C15 | A351, A743, A744; CF-8 | 304 302 | 58E | 304S15 | 18/8 corrosion resistant stainless steel. |
| R32 | J92701 | 2074-H5BM | 3100-302C25F 304C15F | A743: CF-16F | 303 | 58M | 303S21 | 18/8 free machining stainless steel. |
| R33 | J92900 | 2074-H6B | 3100-316C16 316C71 1504-316C16 316C71 | A351, A743, A744; CF-8M | 316 | 58H | 316S16 | 18/8 Mo corrosion resistant stainless steel. |
| R33Nb | J92971 | 2074-H6C | 3100-318C17 | (A351CF-10MC) | (318) | -- | 320S17 (Ti) | 18/8 Mo Nb corrosion and creep resistant stabilised stainless steel |
| R34 | J9300 | 2074-H6A | 3100-317C16 1504-317C16 | A743, A744: CG-8M | 317 | -- | 317S16 | 20/10/3 corrosion resistant stainless steel. |
| R36 | J95150 | 2074-H9A | 1504-332C11 | A351, A743, A744; CN-7M | (825) | -- | -- | Durimet 20 equivalent. |

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|--------------|---------|-----------------------|-------------------------------|--|------------------|-------|-------------------|--|
| R37 | J94650 | -- | -- | A743, A744: CN-7MS | (825) | -- | -- | Worthite Equivalent. |
| R39 | N10002 | -- | -- | A743, A744: CW-12M, A494: CW-12M-2 | (Hast C) | -- | -- | Hastelloy C equivalent. Chlorimet 3 equivalent. |
| R42 | N10001 | -- | -- | A743, A744: N-12M, A494: N-12M-2 | (Hast B) | -- | -- | Hastelloy B equivalent. Chlorimet 2 equivalent. |
| R47 | N004400 | -- | 3071-NA1 | A494, A743, A744: M-35 | (Monel 400) | -- | BS3072 Gr. NA1 | Monel 400. |
| R47H | N05500 | -- | 3071-NA2 | -- | -- | -- | -- | "H" Monel 506. Anti-galling. |
| R47S | | -- | 3071-NA3 | -- | (Monel K-500) | -- | -- | "S" Monel 506. Age Hardenable. |
| R48 | N02200 | -- | -- | A494, A743, A744: CZ-100 | (Nickel 200) | -- | -- | Cast Nickel. |
| R60 | J14047 | 2074-L2A | 3100-BW2, BW3 | -- | 4150 | 19C | 708H42 | 1% Cr. Wear resistant low alloy steel. |
| R66 | J23260 | 2074-L6A, 2074-L6B | 3100-BT1, BT2 | A148: 90-60 to 120-95, A487: 10N, 10Q | 4337 | 24 | -- | Very high strength constructional steel. |
| R67 | G13300 | 2074-L1A | 3100-A4 | A148: 80-40 to 90-60 | 1320 | 14B | 150M19 | High strength low alloy steel. |
| R68 | J12522 | 2074-L5A | 3100-B1, BL1, 1504-245 | A217-WC1, A352- LC1 | 4520 | -- | -- | ½ Mo creep resistant low alloy steel. |
| R69 | J12072 | 2074-L5B | 3100-B2 1504-621 | A217-WC6 | -- | -- | -- | 1¼Cr. ½ Mo creep resistant low alloy steel. |
| R70 | J21890 | 2074-L5C | 3100-B3 1504-622 | A217- WC9: A487-8N, 8Q | -- | -- | -- | 21/2 Cr. 1 Mo creep resistant low alloy steel. |
| R71 | J42045 | 2074-L5E | 3100-B5 1504-625 | A217-C5 | 501 502 | -- | -- | 5 Cr. ½ Mo high creep strength low alloy steel. |
| R72 | J82090 | 2074-H2A | 3100-B6 1504-629 | A217-C12 | -- | -- | -- | 9 Cr. 1 Mo heat and creep resistant steel. |
| R78 | J92605 | 2074-H4A | 3100-452C11 | A743: CC50, A297-HC, A608-HC30 | 446 | -- | -- | 26 Cr. Ferritic heat resistant steel. |
| R80 | J93403 | -- | 3100-309C40 | A743: CE30, A297-HE, A608-HE35 | 312 | -- | -- | 29/9 heat resistant steel. |
| R81 | J92603 | -- | (3100-302C35) | A297-HF, A608-HF30 | 302B | (58A) | 302S25 | 20/10 austenitic heat resistant steel. |
| R83 | J63503 | 2074-H8B, 2074-H8C | 3100-309C30 309C32, 309C35 | A297-HH, A447 Type II A608: HH30, HH33 | 309 | -- | -- | 25/12 austenitic heat resistant steel. |
| R84 | J94203 | 2074-H8E-2 | 3100-310C45 | A297-HK, A351, A567, A608 GDE HK30 | 310 314 | -- | 310S24 | 25/20 austenitic heat resistant steel. |
| R84HC | J94204 | 2074-H8E-2 | 3100-310C40 1504-310C40 | A297-HK, A351, A567, A608 GDE HK40 | -- | -- | -- | |
| R85 | J94604 | -- | -- | A297-HL: A608- HL30, HL40 | -- | -- | -- | 30/20 austenitic heat resistant steel. |
| R86 | -- | -- | -- | -- | IN519 | -- | -- | 24/24 Nb stabilised austenitic H.R. steel. |
| R87 | J95705 | -- | -- | A297-HP | -- | -- | -- | 25/35 high strength austenitic H.R. |

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| R88 | J95405 | 2074-H8G, 2074-H8H | 3100-330C12, 331C60, 331C40 | A297-HU, A608- HU50 | 300 | -- | -- | 18/38 austenitic heat resistant alloy. |
| R89 | -- | -- | -- | -- | -- | -- | -- | 25/35 Co W superalloy. |
| R91 | R20500 | -- | -- | A560-50Cr50Ni | IN657 | -- | -- | 50/50 heat and ash corrosion resistant alloy. |
| Q14 | F45005 | -- | -- | A532, Class II Type B | -- | -- | -- | 15% Chromium, heat and wear resistant Cast Iron. |
| Q15 | F45009 | 2074-H8B, 2027-Cr.27 | -- | A532, Class III Type A | -- | -- | -- | 28% Chromium, heat and wear resistant Cast Iron. |
| Q16 | -- | 2027-Cr.16 | -- | A532, Class II Type B | -- | -- | -- | 15/3 Cr. Mo wear resistant Cast Iron. |
| Q17 | -- | 2027-Cr.21 | -- | A532 Class II Type D | -- | -- | -- | 20/1 Cr. Mo wear resistant Cast Iron. |
| Q51 | -- | -- | -- | -- | -- | -- | -- | Machineable Ni Hard. |
| Q52 | -- | 2027-Cr.2 | 4844 Pt. 2-2B | A532 Class I Type A | -- | -- | -- | Ni-hard Type 1. |
| Q54 | -- | 2027-Cr.9 | 4844 Pt 2-2E | A532 Class I Type D | -- | -- | -- | Ni-hard Type 4. |
| Q95 | -- | -- | -- | -- | -- | -- | -- | Stellite 4 equivalent hot wear alloy. |
| Q96 | R30006 | -- | -- | (AMS5373) | -- | -- | -- | Stellite 6 Equivalent hot wear alloy. |
| Q99 | -- | -- | -- | -- | -- | -- | -- | Um, Co 50 slag, heat and wear resistant alloy. |
| Q120 | -- | -- | -- | -- | -- | -- | -- | 30% Chromium wear resistant Cast Iron. |
| N2 | F33100 | AS1831 /JS/350-22/S | | A536-65-45-12 | | | | Ductile Iron for General Service |
| N3 | -- | AS1831 /JS/500-7/S | | A536-80-55-06 | | | | Ductile Iron for medium strength |
| N5 | F34800 | AS1831 /JS/700-2/S | | A536-100-70-03 | | | | Ductile Iron for high strength castings |
| V12 | F10005 | AS1830 /JL/200 | | A48-Class 25 | | | | Cast Iron for thin sections |
| V17 | F10005 | AS1830 /JL/275 | | A48-Class 40 | | | | Cast Iron for medium sections |
| V23 | F10005 | AS1830 /JL/350 | | A48-Class 50 | | | | Cast Iron for thick & heavy sections |

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