



Rolls-Royce

Manufacturing Laboratories catalogue

MLC101/9

Approved MSRR Metallic Material Suppliers

Titanium alloys

Titanium Aluminide, Titanium Base

MSRR8600 - 8999

Owner	Authority	Issue	Date
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APPROVED MSRR METALLIC MATERIAL SUPPLIERS

This section details the approved suppliers for individual MSRRs. However not all suppliers are approved to supply material for classified applications. Refer to the material suppliers scope of approval or the Rolls Royce controlling laboratory.

The information is tabulated as follows: -

Column	Description
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1. **MSRR** - Rolls-Royce Material Specification.
2. **Generic Alloy Type** - Typical description, included for information only.
3. **Supplier Name** - Rolls-Royce technically and quality system approved supplier.
4. **Method Reference** - Supplier Material Method of Manufacture Data sheet (MMMDS) reference number or identity number.
5. **Date Approved** - The Method of manufacture approval date.
6. **Size Range** - The approved size range contained in the approved MMMDS. Also includes historical Notes on usage restrictions, see below
7. **Restriction on Use** - This describes some restrictions not covered by the notes below.

Restriction Notes

The 'Size' field has historically been used to include additional information in the form of a note. The following is the key to the notes recorded in this field.

Note A No longer applicable.

Note B There is currently no approved supplier for this MSRR.

Refer to the following for alternative/equivalent specifications:

Non Critical parts

MSRR0001-A Index of **obsolete company specifications** and their replacement MSRR specifications for non-critical parts. BACE, BGA, BSEM, DHE, DNS, MAT and MS Specifications.

MSRR0001-B Index of **British standard aerospace** and **DTD** specifications and their replacement MSRR and national specifications for non-critical parts. BS.B, BS.HC, BS.HR, BS.L, BS.S, BS.T, BS.TA, and DTD Specifications.

MSRR0001-C Index of **British standards general series** specifications and their replacement or substitute MSRR or national specifications for non-critical parts. BS970/En series, BS980, BS249, BS369, BS374, BS1449, BS2870, and BS4360 specifications.

MSRR0001-D Index of obsolete and non-preferred material designations (**material common names**) and their replacement MSRR or national specifications for non-critical parts

Non-classified parts:

MSRR0002 Index of Rolls-Royce material specifications (MSRR) and their **substitute national and international specifications** for non-classified parts

MSRR0003 Index of Rolls -Royce material specifications (MSRR) and their **equivalent and alternative MSRR specifications** for non-classified parts

and / or MLC101/1 Table 5,

Non-Rotating classified parts:

MSRR0004 Index of Rolls -Royce material specifications (MSRR series) and their **substitutes for sensitive and critical parts**, excluding rotating critical parts.

and / or MLC101/1 Table 7.

Non-Classified parts Trent 1000 and Trent XWB:

MSRR0005 Index of **AMS** Specifications and their replacement **MSRR** specification for non-classified parts on the **Trent 1000 and XWB engines only**

or the Rolls-Royce Controlling Laboratory

Note C This supplier has previously been approved by Rolls-Royce; currently they are no longer approved, or are no longer operating. However, there may be material within the supplier network, which was produced under a historical approval. Should you have any doubt as to the acceptability of any material, please refer to the Rolls-Royce Controlling Laboratory.

Note D Refer to the Rolls-Royce Controlling Laboratory - restrictions on usage or supply, e.g. re-melt stock only.

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8602	Ti230	Timet Savoie	202589	TE1150TUK REV 5	04/12/2014	INGOT	
8602	Ti230	Timet UK Ltd	203149, 203180	PO 060 ISS 4 AM1	16/08/2011	300MM MAX.	
8603	Ti230	Timet Savoie	202589	TE1150TUK REV 5	04/12/2014	INGOT	
8603	Ti230	Timet UK Ltd	203149, 203180	PO 018 ISS 10	23/01/2015	0.5-10mm thick sheet	
8604	Ti230	RTI Extrusions	205836	OSE78 REV5	15/10/1999	Extruded sections	
8604	Ti230	Timet Savoie	202589	TE1150TUK REV 5	04/12/2014	INGOT	
8604	Ti230	Timet UK Ltd	203149, 203180	PO 060 ISS 4 AM1	16/08/2011	<300mm	
8605	Ti230	Timet Savoie	202589	TE1150TUK REV 5	04/12/2014	INGOT	
8605	Ti230	Timet UK Ltd	203149, 203180	PO 060 ISS 4 AM1	16/08/2011	300MM MAX.	
8606	Ti230	Timet Savoie	202589	TE1150TUK REV 5	04/12/2014	INGOT	
8606	Ti230	Timet UK Ltd	203149, 203180	PO 018 ISS 10	23/01/2015	0.5-10mm thick sheet	
8607	CP titanium	Timet UK Ltd	203149, 203180	PO 019 ISS 4 AM6	28/09/2009	8-108MM	
8607	CP titanium	Timet UK Ltd	203149, 203180	PO 027 ISS 2 AM1	16/08/2011	101 - 200mm	
8607	CP titanium	Timet UK Ltd	203149, 203180	PO 396 ISS 1	19/02/1999	RECT BAR VARIOUS	
8607	CP titanium	Timet USA (Henderson)	205856	FPA-RR-SQ (CPDVARSQ-RR) Rev 3	13/10/2014	32" or 34" INGOT	
8608	CP titanium	Allegheny Ludlum New Bedford	205852	TI GR 2 ISS. 1	18/10/1994	.002 - .020" FOIL	(Formerly Rodney Metals)
8608	CP titanium	Nippon Steel & Sumitomo Metal Corp, Nacetsu	205849	8NS-0020Q REV 0	21/05/1998	0.45-2.5mm	
8608	CP titanium	Timet UK Ltd	203149, 203180	PO 020 ISS 4	24/01/2014	Sheet & Plate	
8608	CP titanium	Timet USA (Henderson)	205856	FPA-RR-SQ (CPDVARSQ-RR) Rev 3	13/10/2014	32 or 34" INGOT	
8608	CP titanium	Timet USA (Toronto)	205855	SPO 7141 Rev B	03/05/2011	Sheet, Various	
8608	CP titanium	VSMPO-AVISMA Corp	205861	MP 39.097.RR-04 Rev A, amndt 1	29/09/2010	0.40 - 0.69 mm	
8608	CP titanium	VSMPC-AVISMA Corp	205861	MP 39.039.RR-01 Rev B, amndt 1	29/09/2010	0.4 - 0.69 mm	
8608	CP titanium	VSMPO-AVISMA Corp	205861	MP 39.032.RR-02 Rev D	15/06/2016	0.7 - 1.5 mm	
8608	CP titanium	VSMPO-AVISMA Corp	205861	MP 39.031.RR-01 Rev C	27/02/2004	1.6 - 3.2 mm	
8608	CP titanium	VSMPO-AVISMA Corp	205861	MP 39.012.RR-01 rev A	27/11/2001	250-270 forged slab	Forged slab only
8608	CP titanium	VSMPO-AVISMA Corp	205861	MP 39.025.RR-01 rev C	28/06/2016	220-320 die-forged slab	Forged slab only
8608	CP titanium	VSMPO-AVISMA Corp	205861	MP 39.024.RR-00 E	27/09/2003	Ingot: 660,740,840 mm Ø	
8608	CP titanium	VSMPO-AVISMA Corp	205861	MP 39.037.RR-00 rev C	19/07/2011	175mm slab, 200mm slab.	Forged slab only.
8609	125	Fine Tubes	202858	MMDS 8609TAQ Rev A0	12/08/2014	Tube: 0.36-50.80mm OD Wall 0.16 - 3.20mm	Unclassified applications only.
8609	125	Specitubes Samer	205848	QP224 Rev.3	08/03/2016	6 - 25,4 MM OD	
8609	125	Timet UK Ltd	203149, 203180	PO 199 ISS1 AM1	18/08/1993	Tube 15.88-25.4 OD	

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8610	Ti64	Allvac Inc (USA)	205630	SSA RR-T3 Rev 17	29/01/2010	<= 92mm	
8610	Ti64	Allvac Albany	205835	PD30 ISS NEW	18/06/1990	SEE NOTE C	
8610	Ti64	Allvac Albany	205835	PD30-P ISS NEW	18/06/1990	SEE NOTE C	
8610	Ti64	Allvac Albany	205835	TI SSA RR-T12 Rev 3	27/10/2005	30" Ingot	
8610	Ti64	Allvac Albany	205835	PT30 ISS NEW	13/08/1990	30" INGOT	
8610	Ti64	Timet Savoie	202589	TE1244RR REV 0	20/10/2000	INGOT	
8610	Ti64	Timet UK Ltd	203149, 203180	PO 063 ISS 9 Amd 1	27/10/2014	8-250MM	
8610	Ti64	Timet UK Ltd	203149, 203180	PO 072 ISS2	13/09/1989	Ingot only, 30 ins	
8610	Ti64	Timet UK Ltd	203149, 203180	FO 116 ISS3 AM7	16/08/2011	Rectangular bar	
8610	Ti64	Timet UK Ltd	203149, 203180	PO 423 ISS3 AM3	23/12/2014	16-165mm	
8610	Ti64	Timet UK Ltd	203149	PO 426RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Made from MT011RR.
8610	Ti64	Timet USA (Henderson)	205856	64TVARDQ-RR Iss. 6	18/01/2013	34" INGOT	Cancelled at request of Timet Oct 14.
8610	Ti64	Timet USA (Henderson)	205856	FPA-RR-DQ Iss 7	18/01/2013	34" INGOT	
8610	Ti64	Timet USA (Morgantown)	206599	MT011RR Iss 07	30/10/2014	25" & 30" Electrode	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426.
8610	Ti64	Timet USA (Morgantown)	206599	MT012RR Iss 4	25/01/2018	34 ins. dia Ingot	Supersedes MT001. VAR only made from MT011RR.
8610	Ti64	Timet UK Ltd	203149, 203180	PO 431 ISS3 AM6	16/08/2011	8-250MM	
8610	Ti64	Nippon Steel & Sumitomo Metal Corp, Osaka	206589	SEI-TM-228 Rev 3	09/02/2009	25-120mm dia	Forging stock for Sensitive and unclassified parts (EMC2442)
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.009.RR-00 Rev E	16/07/2009	15-65 mm dia	Forging stock only.
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.001.RR Rev.C	16/06/2003	Ingot: 750 mm dia	
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.137.RR Rev.D	06/04/2016	Ingot: 740 or 840 mm Ø	Ingot manufacture only.
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.007.RR Rev.7	12/01/1999	66 - 92MM DIA.	
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.008.RR-00 Rev E	16/02/2007	155 mm dia re-roll billet for 15 - 65mm bar	
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.010.RR-01 Rev.E-1	16/02/2007	155 mm dia re-roll billet for 66 - 115mm bar	
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.010.RR-01 Rev C	10/08/2010	Billet 155 mm Ø re-roll billet for 66 - 115mm bar	
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.011.RR-00 Rev.I	11/08/2010	66 - 115mm bar	Forging stock only.
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.118.RR-05 Rev.A	16/02/2007	155 mm dia re-roll billet for 15 - 115mm bar	
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.118.RR-05 Rev.B1	10/07/2008	15-92mm re-rolled bar	Using 1500 ton press to convert triple-melted ingot. (Superseded by double-melt route).
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.118.RR-05 Rev.B2	28/04/2008	155 mm dia re-roll billet for 15 - 115mm bar	
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.126.RR-05 Rev.NC	29/09/2005	155 mm dia re-roll billet for 25 mm bar	2 Heats only, 8-31-2015 and 8-31-2017
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.131.RR-06 Rev B	16/09/2014	15-65mm bar	Max 75% revert

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.134.RR-06 rev NC	08/08/2008	150 mm extruded stock for 15 - 65 mm bar	Intermediate stock only, not for sale at this size.
8610	Ti64	VSMPO-AVISMA Corp	205861	MP 39.148.RR-2008 rev NC	23/04/2008	15 - 40mm bar rerolled from 80mm bar	Applies to casts 8-31-1996 & 8-31-2013 ONLY.
8610	Ti64	Timet UK Ltd	203149, 203180	PO 515 iss 1	04/09/2009	<70mm	
8611	Ti685	Timet UK Ltd	203149, 203180	PO 075 ISS 4 Am 7	24/03/2004	8-108MM	
8612	Ti679	Timet UK Ltd	203149, 203180	PO 001 ISS 6 Am 2	28/11/2011	8-108MM	
8612	Ti679	Timet UK Ltd	203149, 203180	PO 145 ISS1	30/04/1986	Various	
8613	Ti679	Timet UK Ltd	203149, 203180	PO 035 ISS 2 AM 1	07/06/1994	SEE NOTE A	No longer applicable.
8613	Ti679	Timet UK Ltd	203149, 203180	PO 312 Iss 1-AM8	16/08/2011	100 - 250mm	
8614	Ti64	Allvac Inc (USA)	205630	SSA RR-T2 Rev 22	01/07/2011	Various bar+billet =<14"	
8614	Ti64	Baoji Non-Ferrous Metal Works	205634	QJ/BS01138A ISS.1	11/01/1999	800 MM DIA INGOT	
8614	Ti64	ALCOA (Ecclesfield)	202790	MM ES 38 Iss 3	08/01/2009	< 115 mm	Unclassified Applications only
8614	Ti64	ALCOA (Ecclesfield)	202790	MMMS 112 issue 2	09/08/2002	Flats	Sensitive & unclassified applications only
8614	Ti64	Allvac Albany	205835	TI SSA OR-RR-T8 Rev 3	16/11/2006	30" INGOT	
8614	Ti64	Allvac Albany	205835	SD30-P Rev New	09/01/1992	30" INGOT	
8614	Ti64	Allvac Albany	205835	ST30 ISS NEW	09/01/1992	30" INGOT	
8614	Ti64	RTI Niles	205840	RMI-RR-8652/8614-2D	30/05/2001	4.0" - 18.0"	For Unclassified Applications Only.
8614	Ti64	RTI Niles	205840	RMI-RR-8614-1	07/12/1992	0.5" - 4.0" BAR	
8614	Ti64	Nippon Steel & Sumitomo Metal Corp, Osaka	206589	SEI-TM-224 Rev4	09/02/2009	25-120mm dia	Forging stock for Sensitive and unclassified parts (EMC2442)
8614	Ti64	Nippon Steel & Sumitomo Metal Corp, Osaka	206589	SEI-TM-274 Rev 1	01/05/2013	350mm dia billet	Forging stock for Sensitive and unclassified parts (EMC3186): CIVIL ENGINE APPLICATIONS ONLY
8614	Ti64	Nippon Steel & Sumitomo Metal Corp, Osaka	206589	SEI-TM-279 Rev0	29/11/2016	121-350mm dia	Forging stock for Sensitive and unclassified parts: CIVIL ENGINE APPLICATIONS ONLY
8614	Ti64	Nippon Steel & Sumitomo Metal Corp, Osaka	206589	SEI-TM-316 Rev0	16/01/2018	121-350mm dia	Forging stock for Sensitive and unclassified parts: CIVIL ENGINE APPLICATIONS ONLY
8614	Ti64	ThyssenKrupp VDM	205710, 205711, 205712	PP185/07 Rev0	22/01/2008	Ingot only, 750-860mm	Unclassified Applications only
8614	Ti64	Timet Savoie	202589	TE12988 TUK Rev 1	22/05/2012	Ingot	
8614	Ti64	Timet Savoie	202589	TE1290RRO REV 3A	25/11/2011	100 - 390mm	
8614	Ti64	Timet UK Ltd	203149, 203180	PO 064 ISS 7 AMD 5	31/07/2015	8 - 500MM	
8614	Ti64	Timet UK Ltd	203149, 203180	PO 116 ISS3 AM7	16/08/2011	Rectangular bar	
8614	Ti64	Timet UK Ltd	203149, 203180	PO 174 ISS1 AM8	13/09/2007	380-400MM	
8614	Ti64	Timet UK Ltd	203149, 203180	PO 189 ISS1 Am.10	21/10/1998	8-108MM	

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8614	Ti64	Timet UK Ltd	203149, 203180	PO 239 Iss 1 AM.1	10/01/1996	760 MM DIA INGOT	
8614	Ti64	Timet UK Ltd	203149	PO 426RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Methods being updated to split out the different sections by site.
8614	Ti64	Timet UK Ltd	203149, 203180	PO 488 Iss 2	13/10/2017	8-600mm	Restricted use above 500mm dia. Contact TSM
8614	Ti64	Timet UK Ltd	203149, 203180	PO 515 iss 1	04/09/2009	<70mm	
8614	Ti64	Timet USA (Henderson)	205856	FPA-RR-SQ (64TVARSQ-RR) Rev 3	16/10/2014	32 or 34" INGOT	
8614	Ti64	Timet USA (Morgantown)	206599	MT005 Issue 12	01/02/2018	30, 34, 36in ingot	
8614	Ti64	Timet USA (Morgantown)	206599	MT011RR Iss 07	30/10/2014	25" & 30" Electrode	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426. Option for reallocation to MT005 agreed.
8614	Ti64	Timet USA (Morgantown)	206599	MT012RR Iss 3	13/06/2011	34 ins. dia Ingot	Option for reallocation to MT005 agreed.
8614	Ti64	Timet USA (Morgantown)	206599	MT0018RR Iss 1	22/08/2017	34in dia Ingot	
8614	Ti64	Timet USA (Toronto)	205855	SPO 1153 Rev B	28/04/2006	9-10"DIA (PRESS)	
8614	Ti64	Timet USA (Toronto)	205855	SPO1163 Rev B	28/04/2006	11.5 - 13" Dia	
8614	Ti64	Timet USA (Toronto)	205855	SPO 1131 Rev C	28/04/2006	7 - 8" Dia	
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.006.RR Rev.G	16/12/2014	Ingot: 740mm & 840mm	Ingot only
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.016.RR-01 Rev G	31/01/2017	120 - 305 mm DIA.	
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.082.RR-04 Rev D	17/04/2012	15 - 65 mm dia.	
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.162 RR-09 Rev NC	24/08/2012	12.7-14.5mmØ	
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.083.RR-04 Rev D	17/04/2012	66 - 115 mm dia.	
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.125.RR-05 Rev.A	22/05/2006	155 mm dia re-roll billet for 15 - 115mm bar	
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.127.RR-06 Rev.A	10/02/2015	155 mm dia re-roll billet for 15 - 115mm bar	
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.128.RR-2006 Rev C	06/01/2015	Ingot: 740, 810 & 840mm Ø	
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.138.RR-06	20/06/2007	Ingot: 750 mm Ø	Sensitive & Unclassified Applications only
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.152.RR-2008 rev A	20/07/2009	Billet: 356 - 406mm Ø	Sensitive or unclassified applications, provided Sensitive rings are ultrasonic-inspected after ring-rolling
8614	Ti64	VSMPO-AVISMA Corp	205861	MP 39.191.RR-2013 Rev NC	17/02/2014	Billet: 330 mm Ø	
8615	Ti64	Allvac Inc (USA)	205630	SSA RR-T2 Rev 22	01/07/2011	Various bar+billet =<14"	
8615	Ti64	ALCOA (Ecclesfield)	202790	MMMDS 92 iss 2	09/08/2002	Flats	Sensitive & Unclassified Applications only
8615	Ti64	Timet UK Ltd	203149, 203180	PO 089 ISS2 AM 2	10/01/1996	FWR bar	
8615	Ti64	Timet UK Ltd	203149, 203180	PO 116 ISS3 AM7	16/08/2011	Rectangular bar	

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8615	Ti64	Timet USA (Morgantown)	206599	MT005 Issue 12	01/02/2018	30, 34, 36in ingot	
8615	Ti64	Timet USA (Morgantown)	206599	MT0018RR Iss 1	22/08/2017	34in dia Ingot	
8616	Ti685	Timet UK Ltd	203149, 203180	PO 075 ISS4 AM 7	19/11/2004	8-100 MM	
8616	Ti685	Timet UK Ltd	203149, 203180	PO 143 ISS1 AM6	16/08/2011	100 - 305mm	
8620	155	Timet UK Ltd	203149, 203180	PO 021 ISS2 AM 2	25/07/2003	Sheet t=5MM MAX	
8620	155	Timet USA (Henderson)	205856	FPA-RR-SQ (CPDVARSQ-RR) Rev 3	16/10/2012	32 or 34" INGOT	
8620	155	Timet USA (Toronto)	205855	SPO 7142 Rev New	15/09/2004	Sheet, Various	
8624	Ti64	Timet UK Ltd	203149, 203180	PO 065 ISS 8	04/12/2013	154MM DIA MAX.	
8624	Ti64	Timet USA (Morgantown)	206599	MT011RR Iss 07	30/10/2014	25" & 30" Electrode	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426.
8624	Ti64	Timet UK Ltd	203149	PO 426RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Made from MT011RR.
8624	Ti64	Timet UK Ltd	203149	PO 522 Iss 2	12/01/2010	16-154mm	
8624	Ti64	Timet UK Ltd	203149	PO 582 iss 1	04/12/2013	8-105mm cut pieces	Service Centre method
8625	Ti64	Timet UK Ltd	203149, 203180	PO 015 ISS3 AM 8	08/03/2005	SEE NOTE D	
8625	Ti64	Timet UK Ltd	203149, 203180	PO 104 ISS1 AM.1	20/03/1991	SEE NOTE D	
8626	Ti550	Timet UK Ltd	203149, 203180	PO 68 Iss 4 Am1	16/08/2011	8-280MM.	
8627	Ti550	Timet UK Ltd	203149, 203180	PO 68 Iss 4 Am1	16/08/2011	8-280MM	
8629	130	Allegheny Ludlum New Bedford	205852	SOP 81-016 Rev 1	13/11/1997	.003" - .005" FOIL	(Formerly Rodney Metals)
8629	130	Allegheny Ludlum New Bedford	205852	QAP-RR-8629IP & QAP103006 Iss 5	06/08/2010	.003" - .005" FOIL	(Formerly Rodney Metals)
8629	130	Allvac Albany	205835	TI SSA RR T 14	28/07/2008	Slab	
8629	130	Timet USA (Henderson)	205856	FPA-RR-SQ (CPDVARSQ-RR) Rev 3	16/10/2012	32 & 34 DIA INGOT	
8629	CP titanium	Timet USA (Toronto)	205855	SPO 7140 Rev C	13/05/2011	0.020" - 0.050" Coil	
8629	130	Elgiloy	209982	MSRR8629 (Titanium 130) Rev C.	15/09/2009	0.25mm max foil.	
8632	Ti64	RTI Niles	205840	RMI-RR-8632-1	07/01/1992	0.4 - 4.75mm	
8632	Ti64	Timet UK Ltd	203149	PO 426RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Methods being updated to split out the different sections by site. Option for reallocation to standard grade specifications agreed.
8632	Ti64	Timet UK Ltd	203180	PO 527 iss 7	04/10/2012	Waterjet cut sheet <5mm	See MoM for part numbers approved.
8632	Ti64	Timet USA (Morgantown)	206599	MT005 Issue 12	01/02/2018	30, 34, 36in ingot	
8632	Ti64	Timet USA (Morgantown)	206599	MT011RR Iss 07	30/10/2014	25" & 30" Electrode	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426. Option for reallocation to MT005 agreed.
8632	Ti64	Timet USA (Morgantown)	206599	MT012RR Iss 3	13/06/2011	34 ins. dia Ingot	Option for reallocation to MT005 agreed.

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8632	Ti64	Timet USA (Morgantown)	206599	MT0018RR Iss 1	22/08/2017	34in dia Ingot	
8632	Ti64	Timet UK Ltd	203149, 203180	SPO 8111 (see Timet USA for details)	12/06/2003	Sheet	
8632	Ti64	Timet USA (Toronto)	205855	SPO 8111 Rev H	12/05/2008	Cross Rolled Sheet	
8632	Ti64	VSMPO-AVISMA Corp	205861	MP 39.015.RR-98 rev D	27/07/2012	Ingot: 740mm & 840mm	Feed-stock for 8632 or 8633
8632	Ti64	VSMPO-AVISMA Corp	205861	MP 39.022.RR.AM-98 Rev D	20/03/2009	230-300 thick slab, 1070x1600	
8632	Ti64	VSMPO-AVISMA Corp	205861	MP 39.035 RR-00 Rev D	05/08/2015	0.7 - 1.2 mm	Material code TCA only
8632	Ti64	VSMPO-AVISMA Corp	205861	MP 39.036 RR-00 Rev D Amd 1	04/04/2016	1.2 - 2.59mm	Material code TCA only
8632	Ti64	VSMPO-AVISMA Corp	205861	MP 39.030 RR-00 Rev C	22/02/2007	2.6 - 3.0 MM	Material code TCA only
8632	Ti64	VSMPO-AVISMA Corp	205861	MP 39.034 RR-00 Rev C	22/02/2007	3.0 - 4.0 MM	Material code TCA only
8632	Ti64	VSMPO-AVISMA Corp	205861	MP 39.121.RR-05 Rev B	14/04/2015	4.0 - 5.0 MM	Material code TCA only
8632	Ti64	VSMPO-AVISMA Corp	205861	MP 39.189.RR-12 Rev A	31/03/2016	4.7mm	Material Code TJS
8633	Ti64	RTI Niles	205840	RMI-RR-8633-1B	30/05/2001	0.18" - 3.9" Plate	Unclassified Applications only
8633	Ti64	RTI Niles	205840	R-R-8633-JES125	23/09/2005	4.75 - 100mm Plate	
8633	Ti64	Timet UK Ltd	203149, 203180	PO 034 ISS 8	20/12/2013	PLATE+SHEET, VAR.	
8633	Ti64	Timet UK Ltd	203149, 203180	PO 188 ISS 11	08/03/2017	OGV PLATE, VARIOUS	
8633	Ti64	Timet UK Ltd	203149, 203180	PO 417 ISS 1 AM3	16/08/2011	OGV PLATE	
8633	Ti64	Timet UK Ltd	203149	PO 426RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Methods being updated to split out the different sections by site. Option for reallocation to standard grade specifications agreed.
8633	Ti64	Timet UK Ltd	203149, 203180	PO 490 ISS 4	21/11/2014	OGV PLATE, VARIOUS	
8633	Ti64	Timet UK Ltd	203149, 203180	PO 506 ISS 5	20/12/2013	<100mm Plate	
8633	Ti64	Timet UK Ltd	203149, 203180	PO 637 Iss 1	05/09/2017	OGV PLATE, T1000 + TXWB	Dbl Thick OGV
8633	Ti64	Timet UK Ltd	203149, 203180	PO 638 Iss 1	05/09/2017	OGV PLATE, T1000 + TXWB	Dbl Thick OGV
8633	Ti64	Timet USA (Morgantown)	206599	MT003 Issue 1	25/11/2004	30 in ingot	Heats BR7990AZ1 and BR7990 AZ2 only (makes FR1300384). Concession TC2513 applies
8633	Ti64	Timet USA (Morgantown)	206599	MT005 Issue 12	01/02/2018	30, 34, 36in ingot	
8633	Ti64	Timet USA (Morgantown)	206599	MT011RR Iss 07	30/10/2014	25" & 30" Electrode	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426. Option for downgrade to MT005 agreed.
8633	Ti64	Timet USA (Morgantown)	206599	MT012RR Iss 3	13/06/2011	34 ins. dia Ingot	Option for downgrade to MT005 agreed.
8633	Ti64	Timet USA (Morgantown)	206599	MT0018RR Iss 1	22/08/2017	34in dia Ingot	
8633	Ti64	Timet UK Ltd	203149, 203180	PO 509 iss 7	06/07/2015	Waterjet cut plate <100mm	See MoM for part numbers approved.
8633	Ti64	Timet USA (Toronto)	205855	SPO 8121 Rev C	30/06/2008	<= 0.505" PLATE	

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8633	Ti64	Timet USA (Toronto)	205855	SPO 8122 Rev C	30/06/2008	>=0.500" PLATE	
8633	Ti64	VSMPO-AVISMA Corp	205861	MP 39.015.RR-98 rev D	27/07/2012	Ingot: 740mm & 840mm	Feed-stock for 8632 or 8633
8633	Ti64	VSMPO-AVISMA Corp	205861	MP 39.022.RR-AM-98 revE	15/11/2016	230-300 thick slab, 1070x1600	
8633	Ti64	VSMPO-AVISMA Corp	205861	MP 39.149.RR-2008 rev A	09/06/2010	7mm thick plate, cut perpendicular to the rolling direction 8mm plate cut parallel to rolling direction	Fine-grained version, restricted to Trent 900 OGV 'non-gas-slot plates only, NQF002816, made from NQF000723.
8633	Ti64	VSMPO-AVISMA Corp	205861	MP.39.159.RR-2008 rev NC	07/07/2009	28-320mm slab	
8633	Ti64	VSMPO-AVISMA Corp	205861	MP 39.154.RR-2008 rev NC	07/07/2009	56-65mm plate	
8633	Ti64	VSMPO-AVISMA Corp	205861	MP 39.167.RR2009 revA	23/09/2010	Plate: 7mm, 8mm thick	NQF003256 & NQF000723. Validation testing still WIP
8633	Ti64	VSMPO-AVISMA Corp	205861	MP 39.169.RR2210 rev NC	27/07/2012	220-320 slab	Feed stock for 20-40mm plate, ref 39.150 rev B
8633	Ti64	VSMPO-AVISMA Corp	205861	MP 39.151.RR-08 rev A	10/11/2008	12 - 19 mm plate	For slider plates
8633	Ti64	VSMPO-AVISMA Corp	205861	MP 39.203.RR-2015 Rev NC	12/01/2017	12 - 19 mm Plate	
8633	Ti64	VSMPO-AVISMA Corp	205861	MP 39.150.RR-08 rev B	03/11/2010	20 - 40 mm plate	For slider plates
8634	Ti550	RTI Niles	205840	RMI/RR MSRR8634	21/05/1999	SEE NOTE D	
8634	Ti550	Timet UK Ltd	203149, 203180	PO 022 ISS 3 AM.6 WITHDRAWN	10/01/1996	100 - 280mm	
8634	Ti550	Timet UK Ltd	203149, 203180	PO 156 ISS 3 AM2	16/08/2011	300MM MAX.	
8634	Ti550	Timet UK Ltd	203149, 203180	PO 526 ISS 1	16/04/2009	175-200mm	Applies to casts FR71792 and FR72271 only.
8636	Ti64	Kobe Steel Ltd	207335	KSTI-AY-00-28 REV8	19/09/2016	200-250MM	Approved for parts forged by Kobe only
8636	Ti64	Allvac Albany	205835	TI SSA RR T9 Rev 5, TISSA R-R T9 App1 Rev 2	29/08/2007	36 ins DIA. Ingot	
8636	Ti64	RTI Niles	205840	RMI-RR-8636 REV H	03/06/1998	140 - 330mm DIA	
8636	Ti64	Timet Savoie	202589	UAT1228RR ISS5	03/07/1995	140 - 350mm	No longer applicable.
8636	Ti64	Timet Savoie	202589	TE1228RRO REV 4	21/10/2013	237-342MM	
8636	Ti64	Timet Savoie	202589	TE1228RR REV 1X	07/12/1998	300MM DIA	No longer applicable.
8636	Ti64	Timet Savoie	202589	TE1230RRO REV 5	21/10/2013	101 - 236mm	
8636	Ti64	Timet Savoie	202589	TE1260RRO Rev 4	21/10/2013	101 - 236mm	
8636	Ti64	Timet Savoie	202589	TE1460RRO REV 0	13/09/2012	170mm	NQF008064 cut slug
8636	Ti64	Timet Savoie	202589	TE1261RRO REV 4	21/10/2013	237-342MM	
8636	Ti64	Timet UK Ltd	203149, 203180	PO 080 ISS 1	27/11/1981	175 - 300	
8636	Ti64	Timet UK Ltd	203149, 203180	PO 120 ISS1 AM17	16/08/2011	250 - 350MM	
8636	Ti64	Timet UK Ltd	203149, 203180	PO 131 ISS 01	25/02/1985	300-350MM	Note: No copy of the method is held on file. Suspect not used.
8636	Ti64	Timet UK Ltd	203149, 203180	PO 155 ISS4 AM4	16/08/2011	8MM - 254MM	
8636	Ti64	Timet UK Ltd	203149, 203180	PO 252 ISS2 AM11	27/10/2014	175-330MM	
8636	Ti64	Timet UK Ltd	203149, 203180	PO 386 ISS1	30/09/1998	SEE NOTE D	

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8636	Ti64	Timet USA (Henderson)	205856	FPA-RR-DQ Iss 7	18/01/2013	34" INGOT	
8636	Ti64	Timet USA (Morgantown)	206599	MT004 Issue 8	24/08/2006	34" dia Ingot	
8636	Ti64	Timet USA (Morgantown)	206599	MT011RR Iss 07	30/10/2014	25" & 30"	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426. No change to process.
8636	Ti64	Timet USA (Morgantown)	206599	MT012RR Iss 4	25/01/2018	34 ins. dia Ingot	Option for reallocation to MT005 agreed.
8636	Ti64	Timet UK Ltd	203149	PO 426 RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Methods being updated to split out the different sections by site.
8636	Ti64	Timet USA (Toronto)	205855	SPO 1115 Rev A	04/01/2011	4" - <8"	
8636	Ti64	Timet USA (Toronto)	205855	SPO 1130 Rev. D	28/07/2006	7-8" DIA (PRESS)	
8636	Ti64	Timet USA (Toronto)	205855	SPO 1151 Rev.E	02/04/2014	9-10" (229 - 254mm) DIA	
8636	Ti64	Timet USA (Toronto)	205855	SPO 1160 Rev. D	03/06/2009	11.5 TO 12" DIA	
8636	Ti64	Timet USA (Toronto)	205855	SPO 1161 Rev B	10/03/2003	11.5-14" DIA/PRESS	
8636	Ti64	Timet USA (Toronto)	205855	SPO 1161 Rev C	15/06/2009	11.5-14" DIA/PRESS	Approved for heat H12684 and H14187 only
8636	Ti64	VSMPO-AVISMA Corp	205861	MP 39.014.RR-01 Rev G Amd 2	05/02/2016	Ingot: 750 mm Ø	
8636	Ti64	VSMPO-AVISMA Corp	205861	MP 39.170.RR-2010 Rev C	24/06/2016	Billet: 150 - 260 mm Ø	
8636	Ti64	VSMPO-AVISMA Corp	205861	MP 39.078.RR-03 Rev E	26/06/2007	300 - 304.8 mm dia billet	
8636	Ti64	VSMPO-AVISMA Corp	205861	MP 39.163.RR-2009 Rev D	24/06/2016	305 - 330 mm dia billet	Ex Ingot: 810 & 840mm Ø
8636	Ti64	VSMPO-AVISMA Corp	205861	MP 39.087.RR-04 Rev D	03/02/2015	Ingot: 840mm Ø	
8636	Ti64	VSMPO-AVISMA Corp	205861	MP39.160.RR-2014Rev A	12/02/2018	Ingot: 740-840mm (890-960MM)	Not for fan discs currently.
8636	Ti64	Timet UK Ltd	203149, 203180	PO 624 Issue 1	10/03/2017	Ø 175-356mm	
8638	Ti64	Timet UK Ltd	203149, 203180	PO 009 ISS 4	07/07/1975	255MM MAX.	
8638	Ti64	Timet UK Ltd	203149, 203180	PO 032 ISS4 AM 7	22/01/1997	255MM MAX.	
8638	Ti64	Timet UK Ltd	203149, 203180	PO 036 ISS1	18/02/1977	255-300MM	
8638	Ti64	Timet UK Ltd	203149, 203180	PO 045 ISS1	31/01/1977	<100MM	
8638	Ti64	Timet UK Ltd	203149, 203180	PO 048 ISS 1	27/02/1979	300- 350MM	
8638	Ti64	Timet UK Ltd	203149, 203180	PO 155 IS3 AM4	08/03/2005	254MM MAX.	
8638	Ti64	Timet UK Ltd	203149, 203180	PO 426 ISS2 AM6	29/09/2005	<350mm dia	
8642	Ti550	Timet UK Ltd	203149, 203180	PO 115 ISS1 AM.15	28/09/2007	8-100MM	
8647	Ti5331S (829)	Timet UK Ltd	203149, 203180	PO 082 ISS 1	02/03/1983	305MM MAX.	
8647	Ti5331S (829)	Timet UK Ltd	203149, 203180	PO 261 ISS 2	07/02/2013	305MM MAX.	
8648	Ti5331S (829)	Timet UK Ltd	203149, 203180	PO 092 ISS4	06/05/2011	8-108MM	

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8649	Ti5331S (829)	Timet UK Ltd	203149, 203180	PO 092 ISS4	06/05/2011	8-108MM	
8649	Ti5331S (829)	Timet UK Ltd	203149, 203180	PO 200 ISS 2	06/02/2013	110-305mm	
8651	315	Timet UK Ltd	203149, 203180	PO 165 ISS1 Am. 2	27/10/1995	8-100MM	
8652	Ti64	Allvac Inc (USA)	205630	SSA RR-T2 Rev 22	01/07/2011	Various bar+billet =<14"	
8652	Ti64	Baoji Non-Ferrous Metal Works	205634	QJ/BS01138A ISS.1	11/01/1999	800 MM DIA INGOT	
8652	Ti64	ALCOA (Ecclesfield)	202790	MM ES 38 Iss 3	08/01/2009	< 115 mm	Unclassified Applications only
8652	Ti64	ALCOA (Fontana)	201674	FMI F1	05/04/2002	30 - 34"	For Forged Metals use only. Only applicable to Sensitive parts sourced with FMI after 1996 if forgings UST inspected. Not applicable to critical parts.
8652	Ti64	ALCOA (Rancho Cucamonga)	205841	V 14 Iss 2	04/07/2013		Approved for Timet Ingot only
8652	Ti64	Kobe Steel Ltd	207335	KSTI-AY-03-15 Rev9	11/07/2017	460-560mm DIA	Approved for unclassified and Sensitive parts forged by Kobe only
8652	Ti64	Allvac Albany	205835	TI SSA OR-RR-T8 R1	25/01/2002	30" INGOT	
8652	Ti64	Allvac Albany	205835	TI SSA OR-RR-T8 Rev 3	16/11/2006	30" INGOT	
8652	Ti64	Allvac Albany	205835	ST30 ISS NEW	09/01/1992	30" INGOT	
8652	Ti64	ALCOA (Fontana)	201674	FMI F2	22/08/2011	30 - 36"	For Forged Metals use only. Only applicable to Sensitive parts sourced with FMI after 1996 if forgings UST inspected. Not applicable to critical parts.
8652	Ti64	RTI Niles	205840	RMI-RR-8652/8614-2D	30/05/2001	4.0" - 18.0"	For Unclassified Applications Only.
8652	Ti64	Nippon Steel & Sumitomo Metal Corp, Osaka	206589	SEI-TM-224 Rev4	09/02/2009	25-120mm dia	Forging stock for Sensitive and unclassified parts (EMC2442)
8652	Ti64	Nippon Steel & Sumitomo Metal Corp, Osaka	206589	SEI-TM-274 Rev 1	01/05/2013	350mm dia billet	Forging stock for Sensitive and unclassified parts (EMC3186): CIVIL ENGINE APPLICATIONS ONLY
8652	Ti64	Nippon Steel & Sumitomo Metal Corp, Osaka	206589	SEI-TM-279 Rev 0	29/11/2016	121-350mm dia	Forging stock for Sensitive and unclassified parts: CIVIL ENGINE APPLICATIONS ONLY
8652	Ti64	Nippon Steel & Sumitomo Metal Corp, Osaka	206589	SEI-TM-316 Rev0	16/01/2018	121-350mm dia	Forging stock for Sensitive and unclassified parts: CIVIL ENGINE APPLICATIONS ONLY
8652	Ti64	ThyssenKrupp VDM	205710, 205711, 205712	PP185/07 Rev 1	07/07/2009	Ingot only, 750-860mm	Unclassified Applications only
8652	Ti64	Timet Savoie	202589	TE1288TUK Rev 1	22/05/2013	Ingot only	
8652	Ti64	Timet Savoie	202589	TE1290RPO REV 3A	25/11/2011	100 - 390mm	
8652	Ti64	Timet UK Ltd	203149, 203180	PO 064 ISS 7 AMD 5	31/07/2015	8 - 600MM & 30" ingot	Restricted use of billet above 500mm dia. Contact TSM
8652	Ti64	Timet UK Ltd	203149, 203180	PO 116 ISS3 AM7	16/08/2011	Rectangular bar	
8652	Ti64	Timet UK Ltd	203149, 203180	PO 174 ISS1 AM8	13/09/2007	380-400MM	For Doncasters Blaenavon use only.
8652	Ti64	Timet UK Ltd	203149, 203180	PO 189 ISS1 Am. 10	21/10/1998	8-108MM	

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8652	Ti64	Timet UK Ltd	203149, 203180	PO 239 Iss 1 AM.1	10/01/1996	760MM DIA INGOT	For Firth Rixson Viking use only.
8652	Ti64	Timet UK Ltd	203149	PO 426RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Methods being updated to split out the different sections by site. Option for reallocation to standard grade specifications agreed.
8652	Ti64	Timet USA (Henderson)	205856	FPA-RR-SQ (64TVARSQ-RR) Rev 3	13/10/2014	32 or 34" INGOT	
8652	Ti64	Timet USA (Morgantown)	206599	MT005 Issue 12	01/02/2018	30, 34, 36in ingot	
8652	Ti64	Timet USA (Morgantown)	206599	MT011RR Iss 07	30/10/2014	25" & 30" Electrode	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426. Option for downgrade to MT005 agreed.
8652	Ti64	Timet USA (Morgantown)	206599	MT012RR Iss 3	13/06/2011	34 ins. dia Ingot	Option for reallocation to MT005 agreed.
8652	Ti64	Timet UK Ltd	203149, 203180	PO 488 Iss 2	13/10/2017	8-600mm	Restricted use above 500mm dia. Contact TSM
8652	Ti64	Timet USA (Morgantown)	206599	MT0018RR Iss 1	22/08/2017	34in dia Ingot	
8652	Ti64	Timet USA (Toronto)	205855	SPO 1131 Rev B	04/02/2004	7 - 8" Dia	
8652	Ti64	Timet USA (Toronto)	205855	SPO 1153 Rev A	10/03/2003	9-10" DIA (PRESS)	
8652	Ti64	Timet USA (Toronto)	205855	SPO1163 Rev B	28/07/2006	11.5 - 13" Dia	
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.006.RR Rev.G	16/12/2014	Ingot: 740mm & 840mm	Ingot only
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.128.RR-2006 Rev C	06/01/2015	Ingot: 740, 810 & 840mm Ø	
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.016.RR-01 Rev G	30/01/2017	Billet: 120 - 305mm Ø	
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.082.RR-04 Rev D	17/04/2012	15 - 65 mm dia.	
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.162.RR-09 Rev NC	24/08/2012	12.7-14.5mmØ	
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.083.RR-04 Rev D	17/04/2012	66 - 115 mm dia.	
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.125.RR-05 Rev.A	22/05/2006	155 mm dia re-roll billet for 15 - 115mm bar	
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.127.RR-06 Rev.A	10/02/2015	155 mm dia re-roll billet for 15 - 115mm bar	
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.138.RR-06 rev NC	15/01/2007	750 mm dia ingot	Sensitive & Unclassified Applications only
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.191.RR-2013 Rev NC	17/02/2014	Billet: 330 mm Ø	
8652	Ti64	VSMPO-AVISMA Corp	205861	MP 39.152.RR-2008 rev A	20/07/2009	Billet: 356 - 406mm Ø	Sensitive or unclassified applications.
8652	Ti64	Timet UK Ltd	203149, 203180	PO 515 iss 1	04/09/2009	<70mm	
8657	Ti64	Timet UK Ltd	203149, 203180	PO 101 ISS 6	13/02/2009	Various	
8657	Ti64	Timet USA (Morgantown)	206599	MT011RR Iss 07	30/10/2014	25" & 30" Electrode	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426. Option for downgrade to MT005 agreed.

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8657	Ti64	Timet UK Ltd	203149	PO 426RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Methods being updated to split out the different sections by site.
8660	Ti5331S (829)	Timet UK Ltd	203149, 203180	PO 100 Iss.3 AM.6	02/12/2007	Machining bar	
8661	Ti6242	Timet UK Ltd	203149, 203180	PO 378 ISS 1	06/05/1998	28MM CAST BU63273	
8662	Ti6242	Timet USA (Toronto)	205855	SPO 8116 Rev A	12/05/2008	Cross Rolled Sheet	
8665	Ti685	Timet Savoie	202589	UAT1356RR ISS1	05/06/1991	160-260MM	Contact TSM before use
8665	Ti685	Timet UK Ltd	203149, 203180	PO 081 ISS 2	13/02/1986	305MM MAX.	
8665	Ti685	Timet UK Ltd	203149, 203180	PO 139 IS1 DEV.1	18/07/1985	250MM	
8665	Ti685	Timet UK Ltd	203149, 203180	PO 210 ISS1 AM9	16/08/2011	250MM MAX.	
8669	Ti64	RTI Niles	205840	RMI-RR-8669-3	20/11/1995	0.5 - 1.0mm	
8669	Ti64	Timet UK Ltd	203149, 203180	PO 219 ISS 4 AM.1	21/05/1993	0,50 - 0,71 MM	
8669	Ti64	Timet USA (Henderson)	205856	FPA-RR-SQ (64TVARSQ-RR) Rev 3	13/10/2014	32 or 34" INGOT	
8670	Ti64	VSMPO-AVISMA-Corp	205861	MP.39.056.RR-205	20/06/2006	355MM Cast Stock	
8672	Ti64	RTI Niles	205840	RMI-RR-V250017-1	23/08/1993	17MM PLATE. PROV.	
8672	Ti64	RTI Niles	205840	RMI-RR-E418-1	23/08/1993	18MM PLATE. PROV.	
8672	Ti64	RTI Niles	205840	RMI-RR-G19-1	23/08/1993	19MM PLATE. PROV.	
8672	Ti64	RTI Niles	205840	RMI-RR-T700-19-1	23/08/1993	19MM PLATE. PROV.	
8672	Ti64	RTI Niles	205840	RMI-RR-T800-216-1	23/08/1993	21.6MM PLATE. PROV.	
8672	Ti64	Timet UK Ltd	203149, 203180	PO 125A ISS6 AM.3	10/01/1996	30"ing. 17MM PLATE	
8672	Ti64	Timet UK Ltd	203149, 203180	PO 146A ISS6 AM.3	10/01/1996	30"ing. 19MM PLATE	
8672	Ti64	Timet UK Ltd	203149, 203180	PO 196 Iss 3 AM.3	10/01/1996	Plate	
8672	Ti64	Timet UK Ltd	203149, 203180	PO 197 ISS5 AM.3	10/01/1996	30"ing. 18MM PLATE	
8672	Ti64	Timet UK Ltd	203149, 203180	PO 254 ISS 3 AM.1	10/01/1996	30"ing. 21.6MM PLAT	
8672	Ti64	Timet UK Ltd	203149, 203180	PO 255 ISS 2 AM.2	10/01/1996	30"ing. 19MM PLATE	
8672	Ti64	Timet UK Ltd	203149, 203180	PO 308 Iss 1 AM. 1	10/01/1996	Plate	
8672	Ti64	Timet UK Ltd	203149, 203180	PO 359 Iss 2	05/03/1997	19mm PLATE	
8672	Ti64	Timet UK Ltd	203149, 203180	PO 360 Iss 1	06/03/1997	21.6mm PLATE	
8672	Ti64	Timet USA (Morgantown)	206599	MT011 RR Iss 07	30/10/2014	25" & 30" Electrode	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426.
8672	Ti64	Timet UK Ltd	203149	PO 426RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Methods being updated to split out the different sections by site.

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8673	Ti3/2.5	Fine Tubes	202858	MMDS 8673TGE Rev A0	12/08/2014	Tube: 6.0 - 50.0mm OD Wall 0.50 - 2.25mm	Unclassified applications only.
8673	Ti3/2.5	Fine Tubes	202858	FT 2217 ISSUE 1	22/09/1989	Tube/round, various	Unclassified applications only.
8673	Ti3/2.5	Specitubes Samer	205848	QP223 Rev.4 Iss.4	14/01/2016	6,00 - 25,4 mm OD	
8673	Ti3/2.5	Specitubes Samer	205848	QP229 Rev.iss 3	12/09/1995	Sq. + Rect.Various	
8673	Ti3/2.5	Timet Savoie	202589	TE1180RR	21/11/1996	SEE MMMDS	
8673	Ti3/2.5	Timet UK Ltd	203149, 203180	PO 172 ISS1	16/09/1988	Various	
8673	Ti3/2.5	Timet UK Ltd	203149, 203180	PO 187 ISS1	31/12/1999	TUBE, VARIOUS	
8673	Ti3/2.5	VSMPO-AVISMA Corp	205861	MP 39.019.FT.98	16/03/2000	Various	
8677	Ti834	Timet UK Ltd	203149, 203180	PO 230 ISS2 Am 9	24/06/2005	8 TO 80MM	Notify TSM before use
8679	Ti834	Timet Savoie	202589	TE1380RRO rev 0	22/09/2014	250-260mm	
8679	Ti834	Timet UK Ltd	203149, 203180	PO 182 ISS4 Am 2	27/07/2015	250-260MM	
8681	Ti834	Timet UK Ltd	203149, 203180	PO 230 ISS2 Am. 9	24/06/2005	8 to 80 MM	Notify TSM before use
8684	Ti6246	Allvac Albany	205835	TI SSA RR T10 Rev 1	27/10/2005	36 ins DIA. Ingot	
8684	Ti6246	Timet UK Ltd	203149, 203180	PO 311 iss7	12/12/2017	300MM	Note approved RFS B3230 applies
8684	Ti6246	Timet UK Ltd	203149, 203180	PO 351 iss7	12/12/2017	200MM	Note approved RFS B3230 applies
8684	Ti6246	Timet USA (Henderson)	205856	FPA-RR-DQ Iss 7	10/01/2013	34" INGOT	6246T ARDQ-EB-RR Iss 5 Cancelled at request of Timet. Replaced by FPA-RR-DQ and re-approved Issue 6. 18 Jan 2013.
8684	Ti6246	Timet USA (Toronto)	205855	SPO 3120 Rev A	04/02/2014	7 to 9" dia.	approval of the plank route - grade x-6
8684	Ti6246	Timet USA (Toronto)	205855	SPO 3150 Rev D	04/02/2014	11.5 to 14" dia.	approval of the plank route - grade x-6
8684	Ti6246	VSMPO-AVISMA Corp	205861	MP 39.064 R-R-03 Rev H	25/04/2014	Ingot	
8684	Ti6246	VSMPO-AVISMA Corp	205861	MP 39.190.RR-2012 Rev NC Amd 5	12/04/2016	Ingot	
8684	Ti6246	VSMPO-AVISMA Corp	205861	MP 39.089.R-R-04 Rev G	15/04/2016	200 - 305 mm	
8689	Ti64	RTI Niles	205840	RMI-RR-UDRR524G	25/04/1996	17 - 19MM	
8689	Ti64	RTI Niles	205840	RMI-RR-UDRRE418-1A	10/05/1996	17 - 19MM	
8689	Ti64	RTI Niles	205840	RMI-RR-UDV2500	17/04/1996	17 - 19MM	
8689	Ti64	Timet UK Ltd	203149, 203180	PO 350 ISS1.DRAFT	31/12/1999	19 - 21.6MM	
8689	Ti64	Timet USA (Morgantown)	206599	MT011RR Iss 07	30/10/2014	25" & 30" Electrode	Replaces EB melting section of MT001/MT004/TE1260RR/TE1261RR and PO426.
8689	Ti64	Timet UK Ltd	203149	PO 426RR ISS 5	16/01/2012	34" or 36" Ingot	VAR only. Methods being updated to split out the different sections by site.
8693	Ti6242	Timet UK Ltd	203149, 203180	PO 404 ISS2 AM1	16/08/2011	0 - 65mm, 105-150mm	
8693	Ti6242	VSMPO-AVISMA Corp	205861	MP 39.172. RR-2011 Rev NC	16/12/2013	25 - 35mm	

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MSRR	Generic Alloy Type	Supplier Name	Vendor Number	Method Ref	Date Approved	Size Range	Comments & Restrictions
8693	Ti6242	VSMPO-AVISMA Corp	205861	MP 39.173.RR-2011 Rev NC	16/12/2013	Ingot: 740 or 810 or 840mm	
8693	Ti6242	VSMPO-AVISMA Corp	205861	MP 39.174.RR-2011 Rev A	23/01/2015	150mm intermediate billet for re- rolling	