Abnahmeprüfzeugnis 3.1
Inspection certificate 3.1

gemäß / according to DIN EN 10204

Materialbescheinigung / Material Confirmation

Werkstoff / Material:	**KDisc – Technical Product**	**Liefermenge / Quantity:**	100 kg
Kunde / Customer:	Bodysteel, Thailand	**Lieferdatum / date of deliver:**	15.04.2025
Bezeichnung / Description:		**Bestell. Nr.: / Order no.:**	RM202504002
		Chargen-Nr. / Lot-No.:	X
		Datum / Date:	25.06.2025

1. **Werkstoffkennwerte / Material Properties:**

Chemische Zusammensetzung (Massen %) / Chemical Composition (Mass %)

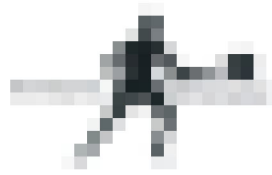
Element	Chargenbezogene Werte / Batch-related values %
Co	61,7
Cr	27,8
W	8,5
Si	1,6
Mn/Fe	**≤ 1,0**

Normen / Standards: DIN EN ISO 22674 / DIN EN ISO 13485

erstellt am 03.12.2024 fbs / as

Abnahmeprüfzeugnis 3.1
Inspection certificate 3.1

gemäß / according to DIN EN 10204



Materialbescheinigung / Material Confirmation

Werkstoff / Material:	**Kgen – Technical Product**	**Liefermenge / Quantity:**	200 kg
Kunde / Customer:	Bodysteel, Thailand	**Lieferdatum / date of deliver:**	15.04.2025
Bezeichnung / Description:	Ø 8,0 x 15 mm	**Bestell. Nr.: / Order no.:**	RM202504002
		Chargen-Nr. / Lot-No.:	2408-00230
		Datum / Date:	25.06.2025

1. **Werkstoffkennwerte / Material Properties:**

Chemische Zusammensetzung (Massen %) / Chemical Composition (Mass %)

Element	Chargenbezogene Werte / Batch-related values %
Co	61,34
Cr	27,62
W	8,42
Si	1,71
Mn	0,22
Fe	0,09

Normen / Standards: DIN EN ISO 22674 / DIN EN ISO 13485

[illegible]

[illegible]

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Abschrift von Abnahmeprüfzeugnis EN 10204 3.1
Transcription of Inspection Certificate EN 10204 Type 3.1

Chargen-Nr. / Batch-No.	Artikel-Nr./ Articel No.	Werkstoff–Nr. / Material No.	Bezeichnung / Designation
910533	QuCoCr	CoCrMo	Laserschweißdraht QuCoCr

Chemische Zusammensetzung in %
Chemical composition in %

Cr	Mo	Ni	Fe	Mn	Si	C	N
27,63	5,78	0,1	0,1	0,65	0,37	0,032	0,166

Mechanische Eigenschaften
Mechanical properties

Ø	Festigkeit / Tensile Strength (Depending on heat treatment)	Dehnung des Drahtes vor Schweißung AL 100 Expansion of the wire before welding AL 100
0,5		

Härte/ Hardness	Streckfestigkeit / Yield Strength (Depending on heat treatment)

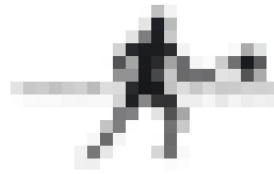
Diese Angaben sind teilweise aus dem Werkszeugnis unseres Vormaterial-Lieferanten übernommen.
Partial of the above information has been taken over from our raw material supplier certificate.

Datum/Date:	Unterschrift/Signature
10.09.2025	

Das Zeugnis wurde maschinell erstellt und ist gem. EN 10204 ohne Unterschrift rechtsverbindlich.
This certificate was generated by data system acc. to EN 10204 it needs not to be signed for validity.

Abnahmeprüfzeugnis 3.1
Inspection certificate 3.1

gemäß / according to DIN EN 10204



Materialbescheinigung / Material Confirmation

Werkstoff / Material:	**Kgen – Technical Product**	**Liefermenge / Quantity:**	100 kg
Kunde / Customer:	Bodysteel, Thailand	**Lieferdatum / date of deliver:**	29.09.2025
Bezeichnung / Description:	Ø 8 x 15 mm	**Bestell. Nr.: / Order no.:**	RM202509005
		Chargen-Nr. / Lot-No.:	2501-00272
		Datum / Date:	29.09.2025

1. **Werkstoffkennwerte / Material Properties:**

Chemische Zusammensetzung (Massen %) / Chemical Composition (Mass %)

Element	Tolerance min. %	Tolerance max. %	Chargenbezogene Werte / Batch-related values %
Co	59,6	63,6	61,52
Cr	27,5	28,5	28,04
W	8	9	8,48
Si	1,5	1,8	1,54
Mn	0	0,35	0,19

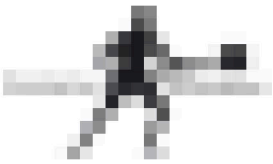
Normen / Standards: DIN EN ISO 22674 / DIN EN ISO 13485

Country of Origin: European Union

erstellt am 03.12.2024 fbs / as

Abnahmeprüfzeugnis 3.1
Inspection certificate 3.1

gemäß / according to DIN EN 10204



Materialbescheinigung / Material Confirmation

Werkstoff / Material:	**Kgen – Technical Product**	**Liefermenge / Quantity:**	150,6kg
Kunde / Customer:	Bodysteel, Thailand	**Lieferdatum / date of deliver:**	15.09.2025
Bezeichnung / Description:	Ø 9,5 x 11 mm	**Bestell. Nr.: / Order no.:**	RM202508012
		Chargen-Nr. / Lot-No.:	2501-00272
		Datum / Date:	15.09.2025

1. **Werkstoffkennwerte / Material Properties:**

Chemische Zusammensetzung (Massen %) / Chemical Composition (Mass %)

Element	Tolerance min. %	Tolerance max. %	Chargenbezogene Werte / Batch-related values %
Co	59,6	63,6	61,52
Cr	27,5	28,5	28,04
W	8	9	8,48
Si	1,5	1,8	1,54
Mn	0	0,35	0,19

Normen / Standards: DIN EN ISO 22674 / DIN EN ISO 13485

Country of Origin: European Union

erstellt am 03.12.2024 fbs / as

Abnahmeprüfzeugnis 3.1
Inspection certificate 3.1

gemäß / according to DIN EN 10204

Materialbescheinigung / Material Confirmation

Werkstoff / Material:	**Kgen – Technical Product**	**Liefermenge / Quantity:**	9,31 kg
Kunde / Customer:	Bodysteel, Thailand	**Lieferdatum / date of deliver:**	15.09.2025
Bezeichnung / Description:	Ø 9,5 x 11 mm	**Bestell. Nr.: / Order no.:**	RM202508012
		Chargen-Nr. / Lot-No.:	2408-00230
		Datum / Date:	15.09.2025

1. **Werkstoffkennwerte / Material Properties:**

Chemische Zusammensetzung (Massen %) / Chemical Composition (Mass %)

Element	Tolerance min. %	Tolerance max. %	Chargenbezogene Werte / Batch-related values %
Co	59,6	63,6	61,94
Cr	27,5	28,5	27,62
W	8	9	8,42
Si	1,5	1,8	1,71
Mn	0	0,35	0,22

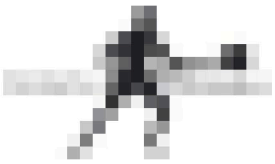
Normen / Standards: DIN EN ISO 22674 / DIN EN ISO 13485

Country of Origin: European Union

erstellt am 03.12.2024 fbs / as

Abnahmeprüfzeugnis 3.1
Inspection certificate 3.1

gemäß / according to DIN EN 10204



Materialbescheinigung / Material Confirmation

Werkstoff / Material:	**Kgen – Technical Product**	**Liefermenge / Quantity:**	40,09 kg
Kunde / Customer:	Bodysteel, Thailand	**Lieferdatum / date of deliver:**	15.09.2025
Bezeichnung / Description:	Ø 9,5 x 11 mm	**Bestell. Nr.: / Order no.:**	RM202508012
		Chargen-Nr. / Lot-No.:	2501-00272
		Datum / Date:	15.09.2025

1. **Werkstoffkennwerte / Material Properties:**

Chemische Zusammensetzung (Massen %) / Chemical Composition (Mass %)

Element	Tolerance min. %	Tolerance max. %	Chargenbezogene Werte / Batch-related values %
Co	59,6	63,6	61,52
Cr	27,5	28,5	28,04
W	8	9	8,48
Si	1,5	1,8	1,54
Mn	0	0,35	0,19

Normen / Standards: DIN EN ISO 22674 / DIN EN ISO 13485

Country of Origin: European Union

erstellt am 03.12.2024 fbs / as

Abschrift von Abnahmeprüfzeugnis EN 10204 3.1
Transcription of Inspection Certificate EN 10204 Type 3.1

Chargen-Nr. / Batch-No.	Artikel-Nr./ Articel No.	Werkstoff–Nr. / Material No.	Bezeichnung / Designation
910597	QuCoCr	CoCrMo	Laserschweißdraht QuCoCr

Chemische Zusammensetzung in %
Chemical composition in %

Cr	Mo	Ni	Fe	Mn	Si	C	N
28,02	5,60	0,03	0,13	0,79	0,56	0,05	0,069

Mechanische Eigenschaften
Mechanical properties

Ø	Festigkeit / Tensile Strength (Depending on heat treatment)	Dehnung des Drahtes vor Schweißung AL 100 Expansion of the wire before welding AL 100
0,35		

Härte/ Hardness	Streckfestigkeit / Yield Strength (Depending on heat treatment)

Diese Angaben sind teilweise aus dem Werkszeugnis unseres Vormaterial-Lieferanten übernommen.
Partial of the above information has been taken over from our raw material supplier certificate.

Datum/Date:	Unterschrift/Signature
12.01.2026	

Das Zeugnis wurde maschinell erstellt und ist gem. EN 10204 ohne Unterschrift rechtsverbindlich.
This certificate was generated by data system acc. to EN 10204 it needs not to be signed for validity.

Abschrift von Abnahmeprüfzeugnis EN 10204 3.1
Transcription of Inspection Certificate EN 10204 Type 3.1

Chargen-Nr. / Batch-No.	Artikel-Nr./ Articel No.	Werkstoff–Nr. / Material No.	Bezeichnung / Designation
910589	QuCoCr	CoCrMo	Laserschweißdraht QuCoCr

Chemische Zusammensetzung in %
Chemical composition in %

Cr	Mo	Ni	Fe	Mn	Si	C	N
28,02	5,60	0,03	0,13	0,79	0,56	0,05	0,069

Mechanische Eigenschaften
Mechanical properties

Ø	Festigkeit / Tensile Strength (Depending on heat treatment)	Dehnung des Drahtes vor Schweißung AL 100 Expansion of the wire before welding AL 100
0,5		

Härte/ Hardness	Streckfestigkeit / Yield Strength (Depending on heat treatment)

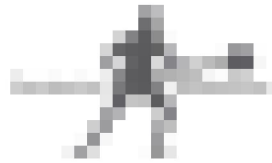
Diese Angaben sind teilweise aus dem Werkszeugnis unseres Vormaterial-Lieferanten übernommen.
Partial of the above information has been taken over from our raw material supplier certificate.

Datum/Date:	Unterschrift/Signature
12.01.2026	

Das Zeugnis wurde maschinell erstellt und ist gem. EN 10204 ohne Unterschrift rechtsverbindlich.
This certificate was generated by data system acc. to EN 10204 it needs not to be signed for validity.

Abnahmeprüfzeugnis 3.1
Inspection certificate 3.1

gemäß / according to DIN EN 10204



Materialbescheinigung / Material Confirmation

Werkstoff / Material:	**Kgen – Technical Product**	**Liefermenge / Quantity:**	150 kg
Kunde / Customer:	Bodysteel, Thailand	**Lieferdatum / date of deliver:**	29.01.2026
Bezeichnung / Description:	Ø 8 x 15 mm	**Bestell. Nr.: / Order no.:**	RM202602001
		Chargen-Nr. / Lot-No.:	2501-00272
		Datum / Date:	13.02.2026

1. **Werkstoffkennwerte / Material Properties:**

Chemische Zusammensetzung (Massen %) / Chemical Composition (Mass %)

Element	Tolerance min. %	Tolerance max. %	Chargenbezogene Werte / Batch-related values %
Co	59,6	63,6	61,52
Cr	27,5	28,5	28,04
W	8	9	8,48
Si	1,5	1,8	1,54
Mn	0	0,35	0,19

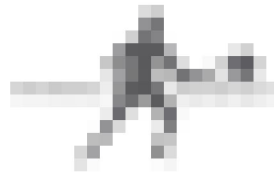
Normen / Standards: DIN EN ISO 22674 / DIN EN ISO 13485

Country of Origin: European Union

erstellt am 03.12.2024 fbs / as

Abnahmeprüfzeugnis 3.1
Inspection certificate 3.1

gemäß / according to DIN EN 10204



Materialbescheinigung / Material Confirmation

Werkstoff / Material:	**KDisc – Technical Product**	**Liefermenge / Quantity:**	150 kg
Kunde / Customer:	Bodysteel, Thailand	**Lieferdatum / date of deliver:**	29.01.2026
Bezeichnung / Description:		**Bestell. Nr.: / Order no.:**	RM202602001
		Chargen-Nr. / Lot-No.:	X
		Datum / Date:	13.02.2026

1. **Werkstoffkennwerte / Material Properties:**

Chemische Zusammensetzung (Massen %) / Chemical Composition (Mass %)

Element	Chargenbezogene Werte / Batch-related values %
Co	61,7
Cr	27,8
W	8,5
Si	1,6
Mn/Fe	**≤ 1,0**

Normen / Standards: DIN EN ISO 22674 / DIN EN ISO 13485

Country of Origin: European Union

erstellt am 03.12.2024 fbs / as

Certificate of Conformance

Cert Number 24833-7 3/27/2025

BODYSTEEL AND SILVER CO., LTD.
63, MOO 5, SOI WAT BANG-CO,
YAEK RONG-FOAM, KANCHANAPHISEK ROAD
BANG MA-NANG, BANG YAI
NONTHABURI, TA 11140
Thailand

Sold To: BODYSTEEL AND SILVER CO., LTD., 63, MOO 5, SOI WAT BANG-CO,, YAEK RONG-FOAM, KANCHANAPHISEK ROAD, BANG MA-NANG, BANG YAI, NONTHABURI, TA 11140, Thailand
Ship To: BODYSTEEL AND SILVER CO., LTD., 63, MOO 5, SOI WAT BANG-CO,, YAEK RONG-FOAM, KANCHANAPHISEK ROAD, BANG MA-NANG, BANG YAI, NONTHABURI, TA 11140, Thailand

Reference

Customer	525/0	**Your Order**	RM202411021 (12/25/2024)
Our Order	17585-1-1	**Packing List**	24833-1 (3/27/2025)

Product Information

	Heat	Tag	Pcs	KGS
COBALT CHROME MOLY ROUND BAR TO ASTM F1537-20 ANNEALED 2.5MM(h9) DIA X 2000MM L *MILL ORIGIN: CHINA*	24069(01)	21325A	76	6.35

Conform To ASTM F1537

[redacted]

QUALITY CERTIFICATE

ACC. TO EN 10204 3.1

03/18/2025

[redacted]

Page: 1/1

ISO9001 Cert.No.: C0683686-AS2, Validity to: 2025-11-02 Cert. No.: TMT240115901

AS9100D Cert.No.: 130965/A/0001/UK/En, Validity to: 2025-11-02 Date: Mar. 12th, 2025

Commodity: CoCrMo Rod (For Surgical Implants)
Wrought Cobalt-28Chromium-6Molybdenum Alloys

Specification: ASTMF1537-20 / ISO5832-12:2019	Condition: Annealed (A)	Invoice No.: TMT2401159
Element: Alloy 1 UNS R31537 (Low Carbon)	Surface: Polished	Po No.: TAI-11821-TL

No.	Grade	Size(mm)	Quantity	Net Weight	Heat No.	Lot No.
1	CoCrMo	Ø2.5(h9)x2000	87 pcs	7.50 (kgs)	24069	2406901
2		Ø2.5(h9)x3000	344 pcs	42.50 (kgs)	24069	2406901

Chemical Composition(%) & Material Safety Data Sheet (HCS-2012 APPENDIX D TO § 1910.1200)

Requirement	C	Si	Mn	Cr	Ni	Mo	Fe	N	Cobalt
(W/%) (Max.)	0.14	1.0	1.0	26.0~30.0	1.0	5.0~7.0	0.75	0.25	Balance
Result	0.011	0.52	0.71	28.58	0.10	5.78	0.26	0.16	Balance
CAS No.:	7440-44-0	7440-21-3	7439-96-5	7440-47-3	7440-02-0	7439-98-7	7439-89-6	7727-37-9	7440-48-4

Mechanical Property / Standard: ASTM E8/E8M-21; (Room temperature: 20℃; Humidity: 50%)

Requirement (%)(Min)	Tensile Strength, Rm,Min. (MPa)	Yield Strength, Rp0.2, Min. (MPa)	Elongation, A_{4D} Min. (%)	Reduction of area, Z Min. (%)	Hardness HRC
	897	517	20	20	Min.25
Result (L)	1224	706	50.0	43	30

Other Test

Test	Grain Size ASTM E112-13 ≥G5	DPI Test HD-ST DPT-5	Surface Contamination	Eddy current testing	Dimensional Inspection
Result	G6.0	Acceptable	Acceptable	Class-A / Acceptable	Acceptable

[redacted]

Melting process: VIM+ESR Annealing temperature: 1050-1150℃

Holding Time: 2 hours. Cooling method: Air

Note:

1. We hereby certify that the material described above has been tested and complies with the terms of the contract confirmation. Inspection and dimensional control without complaints.
2. The material free from radioactive contamination.
3. This certificate is signed and issued by the inspection representative authorized by the manufacturer and independent of the [redacted]

[redacted]

[redacted]

[redacted]

Certificate No. R-D-H 23 006210

ACC. TO DIN EN 10204 3.1

Date: Feb. 3rd, 2025

Commodity: CoCrMo Ingot

Wrought Cobalt-28Chromium-6Molybdenum Alloys

Standard Specification: ASTMF1537-20 / ISO5832-12:2019			Element: Alloy 1 UNS R31537 (Low Carbon)		Invoice No.: TMT2401159 Po No.: TAI-11821-TL
No.	Grade	Ingot Size(mm)	Quantity	Net Weight	Heat No.
1	CoCrMo	Ø320x800	1 pc	510 (kgs)	24069

Chemical Composition(%) & Material Safety Data Sheet (HCS-2012 APPENDIX D TO § 1910.1200)

Requirement	C	Si	Mn	Cr	Ni	Mo	Fe	N	Cobalt
(%)	0.14	1.0	1.0	26.0~30.0	1.0	5.0~7.0	0.75	0.25	Balance
Result	0.011	0.52	0.71	28.58	0.10	5.78	0.26	0.16	Balance
CAS NO.	7440-44-0	7440-21-3	7439-96-5	7440-47-3	7440-02-0	7439-98-7	7439-89-6	7727-37-9	7440-48-4

Melting Method

[redacted]

Melting process: VIM+ESR

Notes:

1. We hereby certify that the material described above has been tested and complies with the terms of the contract confirmation.
2. The materials have been tested by laboratories approved to ISO 17025. Inspection and dimensional control without complaints.
3. The management system of the mill is certified according to ISO 9001.
4. The material is free from radioactive contamination.

[redacted]

Certificate of Conformance

Cert Number 24833-11 3/27/2025

BODYSTEEL AND SILVER CO., LTD.
63, MOO 5, SOI WAT BANG-CO,
YAEK RONG-FOAM, KANCHANAPHISEK ROAD
BANG MA-NANG, BANG YAI
NONTHABURI, TA 11140
Thailand

Sold To: BODYSTEEL AND SILVER CO., LTD., 63, MOO 5, SOI WAT BANG-CO,, YAEK RONG-FOAM, KANCHANAPHISEK ROAD, BANG MA-NANG, BANG YAI, NONTHABURI, TA 11140, Thailand
Ship To: BODYSTEEL AND SILVER CO., LTD., 63, MOO 5, SOI WAT BANG-CO,, YAEK RONG-FOAM, KANCHANAPHISEK ROAD, BANG MA-NANG, BANG YAI, NONTHABURI, TA 11140, Thailand

Reference

Customer	525/0	**Your Order**	RM202411021 (3/26/2025)
Our Order	17585-2-1	**Packing List**	24833-1 (3/27/2025)

Product Information

	Heat	Tag	Pcs	KGS
COBALT CHROME MOLY ROUND BAR TO ASTM F1537-20 ANNEALED 2.5MM(h9) DIA X 3000MM L	24069(01)	21325B	350	43.54

MILL ORIGIN: CHINA
Conform To ASTM F1537

Certificate of Conformance

[redacted]

Anton Lee
Quality Assurance Representative

[redacted]

QUALITY CERTIFICATE

ACC. TO EN 10204 3.1

03/18/2025

[redacted]

ISO9001 Cert.No.: C0683686-AS2, Validity to: 2025-11-02 Cert. No.: TMT240115901

AS9100D Cert.No.: 130965/A/0001/UK/En, Validity to: 2025-11-02 Date: Mar. 12th, 2025

Commodity: CoCrMo Rod (For Surgical Implants)
Wrought Cobalt-28Chromium-6Molybdenum Alloys

Specification: ASTMF1537-20 / ISO5832-12:2019	Condition: Annealed (A)	Invoice No.: TMT2401159
Element: Alloy 1 UNS R31537 (Low Carbon)	Surface: Polished	Po No.: TAI-11821-TL

No.	Grade	Size(mm)	Quantity	Net Weight	Heat No.	Lot No.
1	CoCrMo	Ø2.5(h9)x2000	87 pcs	7.50 (kgs)	24069	2406901
2		Ø2.5(h9)x3000	344 pcs	42.50 (kgs)	24069	2406901

Chemical Composition(%) & Material Safety Data Sheet (HCS-2012 APPENDIX D TO § 1910.1200)

Requirement (W/%) (Max.)	C	Si	Mn	Cr	Ni	Mo	Fe	N	Cobalt
	0.14	1.0	1.0	26.0~30.0	1.0	5.0~7.0	0.75	0.25	Balance
Result	0.011	0.52	0.71	28.58	0.10	5.78	0.26	0.16	Balance
CAS No.:	7440-44-0	7440-21-3	7439-96-5	7440-47-3	7440-02-0	7439-98-7	7439-89-6	7727-37-9	7440-48-4

Mechanical Property / Standard: ASTM E8/E8M-21; (Room temperature: 20℃; Humidity: 50%)

Requirement (%)(Min)	Tensile Strength, Rm,Min. (MPa)	Yield Strength, Rp0.2, Min. (MPa)	Elongation, A_{4D} Min. (%)	Reduction of area, Z Min. (%)	Hardness HRC
	897	517	20	20	Min.25
Result (L)	1224	706	50.0	43	30

Other Test

Test	Grain Size ASTM E112-13 ≥G5	DPI Test HD-ST DPT-5	Surface Contamination	Eddy current testing	Dimensional Inspection
Result	G6.0	Acceptable	Acceptable	Class-A / Acceptable	Acceptable

Melting Method & Heat Treatment

[redacted]

Melting process: VIM+ESR Annealing temperature: 1050-1150℃

Holding Time: 2 hours. Cooling method: Air

Note:

1. We hereby certify that the material described above has been tested and complies with the terms of the contract confirmation. Inspection and dimensional control without complaints.
2. The material free from radioactive contamination.
3. [redacted] the

[redacted]

[redacted]

[redacted]

Certificate No. R-D-H 23 006210

ACC. TO DIN EN 10204 3.1

Date: Feb. 3rd, 2025 Page 1/1

Commodity: CoCrMo Ingot

Wrought Cobalt-28Chromium-6Molybdenum Alloys

Standard Specification: ASTMF1537-20 / ISO5832-12:2019			Element: Alloy 1 UNS R31537 (Low Carbon)		Invoice No.: TMT2401159 Po No.: TAI-11821-TL
No.	Grade	Ingot Size(mm)	Quantity	Net Weight	Heat No.
1	CoCrMo	Ø320x800	1 pc	510 (kgs)	24069

Chemical Composition(%) & Material Safety Data Sheet (HCS-2012 APPENDIX D TO § 1910.1200)

Requirement	C	Si	Mn	Cr	Ni	Mo	Fe	N	Cobalt
(%)	0.14	1.0	1.0	26.0~30.0	1.0	5.0~7.0	0.75	0.25	Balance
Result	0.011	0.52	0.71	28.58	0.10	5.78	0.26	0.16	Balance
CAS NO.	7440-44-0	7440-21-3	7439-96-5	7440-47-3	7440-02-0	7439-98-7	7439-89-6	7727-37-9	7440-48-4

Melting Method

[redacted]

Melting process: VIM+ESR

Notes:

1. We hereby certify that the material described above has been tested and complies with the terms of the contract confirmation.
2. The materials have been tested by laboratories approved to ISO 17025. Inspection and dimensional control without complaints.
3. The management system of the mill is certified according to ISO 9001.
4. [redacted]

[redacted]

Certificate of Conformance

Cert Number 26445-7 1/14/2026

BODYSTEEL AND SILVER CO., LTD.
63, MOO 5, SOI WAT BANG-CO,
YAEK RONG-FOAM, KANCHANAPHISEK ROAD
BANG MA-NANG, BANG YAI
NONTHABURI, TA 11140
Thailand

Sold To: BODYSTEEL AND SILVER CO., LTD., 63, MOO 5, SOI WAT BANG-CO,, YAEK RONG-FOAM, KANCHANAPHISEK ROAD, BANG MA-NANG, BANG YAI, NONTHABURI, TA 11140, Thailand
Ship To: BODYSTEEL AND SILVER CO., LTD., 63, MOO 5, SOI WAT BANG-CO,, YAEK RONG-FOAM, KANCHANAPHISEK ROAD, BANG MA-NANG, BANG YAI, NONTHABURI, TA 11140, Thailand

Reference

Customer	525/0	**Your Order**	RM202509008 (9/23/2025)
Our Order	18386-1-1	**Packing List**	26445-1 (1/14/2026)

Product Information

	Heat	Tag	Pcs	KGS
COBALT CHROME MOLY ROUND BAR TO ASTM F1537-20 ANNEALED, ISO 5832-12:2019 2.5MM(h9) DIA X 2000-3000MM R/L	24069(01)	22812	330	49

MILL ORIGIN: CHINA
Conform To ISO 5832-12,ASTM F1537

[redacted]

QUALITY CERTIFICATE

ACC. TO EN 10204 3.1

TI QA 12

12/30/2025

[redacted]

Page: 1/1

Cert. No.: TMT25098101

Date: Dec. 30th, 2025

Commodity: CoCrMo Rod (For Surgical Implants)
Wrought Cobalt-28Chromium-6Molybdenum Alloys

Specification: ASTMF1537-20 / ISO5832-12:2019 Element: Alloy 1 UNS R31537 (Low Carbon)	Condition: Annealed (A) Surface: Polished	Invoice No.: TMT250981 Po No.: TAI-12524-BC

No.	Grade	Size(mm)	Quantity	Net Weight	Heat No.	Lot No.
1	CoCrMo	Ø2.5(h9)x2000	/	19.7 (kgs)	24069	2406901
2		Ø2.5(h9)x3000	/	28.7 (kgs)	24069	2406901

Chemical Composition(%) & Material Safety Data Sheet (HCS-2012 APPENDIX D TO § 1910.1200)

Requirement	C	Si	Mn	Cr	Ni	Mo	Fe	N	Cobalt
(W/%) (Max.)	0.14	1.0	1.0	26.0~30.0	1.0	5.0~7.0	0.75	0.25	Balance
Result	0.011	0.52	0.71	28.58	0.10	5.78	0.26	0.16	Balance
CAS No.:	7440-44-0	7440-21-3	7439-96-5	7440-47-3	7440-02-0	7439-98-7	7439-89-6	7727-37-9	7440-48-4

Mechanical Property / Standard: ASTM E8/E8M-21; (Room temperature: 20℃; Humidity: 50%)

Requirement (%)(Min)	Tensile Strength, Rm,Min. (MPa)	Yield Strength, Rp0.2, Min. (MPa)	Elongation, A_{4D} Min. (%)	Reduction of area, Z Min. (%)	Hardness HRC
	897	517	20	20	Min.25
Result (L)	1224	706	50.0	43	30

Other Test

Test	Grain Size ASTM E112-13 ≥G5	DPI Test HD-ST DPT-5	Surface Contamination	Eddy current testing	Dimensional Inspection
Result	G6.0	Acceptable	Acceptable	Class-A / Acceptable	Acceptable

Melting Method & Heat Treatment

[redacted]

Melting process: VIM+ESR
Holding Time: 2 hours.

Annealing temperature: 1050-1150℃
Cooling method: Air

Note:

1. We hereby certify that the material described above has been tested and complies with the terms of the contract confirmation. Inspection and dimensional control without complaints.
2. The material free from radioactive contamination.
3. This certificate is signed and issued by the inspection representative authorized by the manufacturer and independent of the

[redacted]

[redacted]

Certificate No. R-D-H_23_006210

ACC. TO DIN EN 10204 3.1

Date: Dec. 30th, 2025

Commodity: CoCrMo Ingot
Wrought Cobalt-28Chromium-6Molybdenum Alloys

Standard Specification: ASTMF1537-20 / ISO5832-12:2019	Element: Alloy 1 UNS R31537 (Low Carbon)	Invoice No.: TMT250981 Po No.: TAI-12524-BC

No.	Grade	Ingot Size(mm)	Quantity	Net Weight	Heat No.
1	CoCrMo	Ø320x800	1 pc	510 (kgs)	24069

Chemical Composition(%) & Material Safety Data Sheet (HCS-2012 APPENDIX D TO § 1910.1200)

Requirement	C	Si	Mn	Cr	Ni	Mo	Fe	N	Cobalt
(%)	0.14	1.0	1.0	26.0~30.0	1.0	5.0~7.0	0.75	0.25	Balance
Result	0.011	0.52	0.71	28.58	0.10	5.78	0.26	0.16	Balance
CAS NO.	7440-44-0	7440-21-3	7439-96-5	7440-47-3	7440-02-0	7439-98-7	7439-89-6	7727-37-9	7440-48-4

Melting Method

[redacted]

Melting process: VIM+ESR

Notes:

1. We hereby certify that the material described above has been tested and complies with the terms of the contract confirmation.
2. The materials have been tested by laboratories approved to ISO 17025. Inspection and dimensional control without complaints.
3. The management system of the mill is certified according to ISO 9001.
4. T[redacted]

[redacted]

[redacted]

PACKING LIST

INVOICE NO.: TMT250981
DATE: Dec 29, 2025
PAYMENT METHOD: T/T

SHIP TO / NOTIFY PARTY:

S/N.	PO NO.	DESCRIPTION	SPECIFICATION	SIZE(mm)	HEAT NO.	LOT NO.	N.W. (kgs)	G.W. (kgs)	PKG NO.	PACKAGE SIZE(cm)
1	TAI-12524-BC	COCRMO ROD (Annealed)	ISO 5832-12:2019 & ASTM F1537: 2020 Alloy 1: Low carbon – UNS R31537	Ø2.5(h9)x2000	24069	2406901	19.70	63.00	1-1	310*16*23
2				Ø2.5(h9)x3000	24069	2406901	28.70			
TOTAL :							48.40KGS	63.00KGS	1CASE	0.114CBM

INCOTERM: FOB SHANGHAI SEAPORT
THE CUSTOMS TARIFF: 810590
THE ORIGIN OF MATERIALS: CHINA
SHIPPING MARKS: TAI-12524-BC
PACKING: FIXED IN PLYWOOD CASE (FUMIGATION FREE)
PORT OF LOADING: SHANGHAI SEAPORT
PORT OF DESTINATION: PENDING

[redacted]

[redacted]

Our Order 18386-1-1 Your Order RM202509008
Packing List 26445-1 (1/14/2026) Image 60762 (1/14/2026)