



Sede Legale e amministrativa:
 via Bresciani 16
 46040 Gazoldo degli Ippoliti
 Mantova-Italy
 Tel. +39 - 0376 685 1
 Fax. +39 - 0376 685 600
 www.marcegaglia.com

Type Inspection Certificate 3.1 EN 10204
 Number 10217369649
 Issued On 19/06/2017

Customer
 OVAKO METALS OY AB
 TUOTEKATU 3
 33840 TAMPERE FI

Consignee
 OVAKO METALS OY AB
 TUOTEKATU 3
 33840 TAMPERE FI

Delivery Nn	8302707177	Quality Control	Pages 1/8
Of	19/06/2017	Q.M.D. A.Dal Prato	
Delivery note nr	1002007290	Plant Of Contino	

Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Pb (%)	Rm MPa	Rp 0.2 MPa	A (%)
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TPT TPT 36.00X 3000 11SMNPB30 EN10277 1171066097/30 003994-1 Date 06/06/2017

ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

17QL002626	1021 KG	537054	.071	.010	1.120	.0830	.3100	.275	566	505	15.1
17QL002627	1000 KG	537055	.070	.006	1.200	.0760	.3170	.264	573	512	14.1
17QL002628	1023 KG	537054	.071	.010	1.120	.0830	.3100	.275	565	505	14.9
17QL002629	1025 KG	537054	.071	.010	1.120	.0830	.3100	.275	566	504	15.0

TPT TPT 38.00X 3000 11SMNPB30 EN10277 1171066097/100 003994-1 Date 06/06/2017

ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

17QL002662	807 KG	113246	.070	.002	1.120	.0500	.2900	.280	569	509	14.4
17QL002663	1024 KG	118079	.068	.013	1.260	.0580	.2950	.290	571	510	14.6

TPT TPT 32.00X 3000 11SMNPB30 EN10277 1171069485/20 004095-1 Date 12/06/2017

ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

17QL002700	1030 KG	115463	.067	.019	1.255	.0580	.3000	.268	571	511	14.1
17QL002701	1029 KG	115463	.067	.019	1.255	.0580	.3000	.268	572	511	14.5

TPT TPT 35.00X 3000 11SMNPB30 EN10277 1171069485/30 004095-1 Date 12/06/2017

ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

17QL002702	1005 KG	536497	.068	.007	1.150	.0740	.3180	.258	569	509	14.6
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Remarks:

MATERIALE CONTROLLATO CLASSE 2 EN 10277-1
 COLD DRAWN MATERIAL
 MATERIALE CONTROLLATO CLASSE 2

Dimensional and visual check OK - We certify that material supplied complies with the requirements agreed on order

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Delivery Nn	8302707177	Quality Control	Pages 2/8
Of	19/06/2017	Q.M.D. A.Dal Prato	
Delivery note nr	1002007290	Plant Of Contino	

Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Al (%)	Cu (%)	Rm MPa	Rp 0.2 MPa	A (%)	Kv1 [J]	Kv2 [J]	Kv3 [J]	Kv ^a [J]
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TRT TRT 35.00X 6000 S355J2C EN10277 1171066097/60 003994-1 Date 06/06/2017

COLD DRAWN ROUND Toll h9 EN 10278

17QL002634	1039 KG	3066965	.151	.185	1.257	.0171	.0240	.027	.345	623	484	16.4	46	43	43	44
17QL002635	1038 KG	3066965	.151	.185	1.257	.0171	.0240	.027	.345	621	483	16.6	38	43	43	41

Remarks:

COLD DRAWN MATERIAL
 PROVA DI RESILIENZA ESEGUITA SUL LAMINATO DI PARTENZA.
 TEMPERATURA - 20 °
 Dimensional and visual check OK - We certify that material supplied complies with the requirements agreed on order
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Delivery Nn	8302707177	Quality Control	Pages 3/8
Of	19/06/2017	Q.M.D. A.Dal Prato	
Delivery note nr	1002007290	Plant Of Contino	

Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Al (%)	Cu (%)	Rm MPa	Rp 0.2 MPa	A (%)	Kv1 [J]	Kv2 [J]	Kv3 [J]	Kv ^a [J]
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TRT TRT 20.00X 6000 S355J2C EN10277 1171066097/40 003994-1 Date 06/06/2017

COLD DRAWN ROUND Toll h9 EN 10278

17QL002632	1030 KG	60909	.153	.207	1.300	.0090	.0080	.021	.259	654	536	14.5	36	43	48	42
17QL002633	1029 KG	60909	.153	.207	1.300	.0090	.0080	.021	.259	656	535	14.4	45	48	43	45

TRT TRT 30.00X 6000 S355J2C EN10277 1171066097/50 003994-1 Date 06/06/2017

COLD DRAWN ROUND Toll h9 EN 10278

17QL002641	996 KG	3073916	.140	.278	1.256	.0216	.0030	.025	.260	651	530	14.7	41	45	45	43
17QL002642	996 KG	3073916	.140	.278	1.256	.0216	.0030	.025	.260	651	531	14.7	42	45	45	44

TRT TRT 20.00X 6000 S355J2C EN10277 1171069485/90 004095-1 Date 12/06/2017

COLD DRAWN ROUND Toll h9 EN 10278

17QL002693	1012 KG	60909	.153	.207	1.300	.0090	.0080	.021	.259	650	530	14.9	36	38	34	36
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TRT TRT 30.00X 6000 S355J2C EN10277 1171069485/100 004095-1 Date 12/06/2017

COLD DRAWN ROUND Toll h9 EN 10278

17QL002694	1007 KG	3073435	.141	.203	1.229	.0100	.0080	.024	.236	656	536	14.3	37	35	35	35
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Remarks:

COLD DRAWN MATERIAL
 PROVA DI RESILIENZA ESEGUITA SUL LAMINATO DI PARTENZA.
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Delivery Nn	8302707177	Quality Control	Pages 4/8
Of	19/06/2017	Q.M.D. A.Dal Prato	
Delivery note nr	1002007290	Plant Of Contino	

Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Al (%)	Cu (%)	Rm MPa	Rp 0.2 MPa	A (%)	Kv1 [J]	Kv2 [J]	Kv3 [J]	Kv ^a [J]
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TRT TRT 45.00X 6000 S355J2C EN10277 1171066097/70 003994-1 Date 06/06/2017

COLD DRAWN ROUND ToII h9 EN 10278

17QL002638	1037 KG	16501746	.200	.270	1.360	.0170	.0040	.027	.010	580	405	20.6	31	33	33	32
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Remarks:

COLD DRAWN MATERIAL
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Delivery Nn 8302707177
 Of 19/06/2017
 Delivery note nr 1002007290
 Quality Control
 Q.M.D. A.Dal Prato
 Plant Of Contino

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Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Al (%)	Cu (%)	Rm MPa	Rp 0.2 MPa	A (%)	Kv1 [J]	Kv2 [J]	Kv3 [J]	Kv ^a [J]
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TRT TRT 50.00X 6000 S355J2C EN10277 1171066097/80 003994-1 Date 06/06/2017

COLD DRAWN ROUND Toll h9 EN 10278

17QL002639	1098 KG	BC1502	.180	.240	1.380	.0090	.0030	.022	.080	580	404	20.2	45	43	43	43
17QL002640	1100 KG	BC1502	.180	.240	1.380	.0090	.0030	.022	.080	580	404	20.4	45	48	43	45

TRT TRT 60.00X 6000 S355J2C EN10277 1171066097/90 003994-1 Date 06/06/2017

COLD DRAWN ROUND Toll h9 EN 10278

17QL002636	1006 KG	BC0496	.185	.240	1.360	.0130	.0020	.028	.090	578	403	20.5	41	39	39	39
17QL002637	1007 KG	BC0496	.185	.240	1.360	.0130	.0020	.028	.090	577	403	20.3	37	40	40	39

Remarks:
 PEELED BARS
 PROVA DI RESILIENZA ESEGUITA SUL LAMINATO DI PARTENZA.
 TEMPERATURA - 20 °
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 Plant Of Contino
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Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Pb (%)	Rm MPa	Rp 0.2 MPa	A (%)
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TPT TPT 30.00X 3000 11SMNPB30 EN10277 1171066097/20 003994-1 Date 06/06/2017
ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

17QL002623	998 KG	540169	.076	.009	1.130	.0790	.3050	.280	585	521	12.9
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TPT TPT 18.00X 3000 11SMNPB30 EN10277 1171069485/10 004095-1 Date 12/06/2017
ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

17QL002696	1010 KG	77406	.080	.003	1.155	.0620	.3100	.295	584	519	13.2
17QL002697	1009 KG	77406	.080	.003	1.155	.0620	.3100	.295	584	518	13.0
17QL002698	1010 KG	77406	.080	.003	1.155	.0620	.3100	.295	584	518	12.9

Remarks:
 MATERIALE CONTROLLATO CLASSE 2 EN 10277-1
 COLD DRAWN MATERIAL
 MATERIALE CONTROLLATO CLASSE 2
 Dimensional and visual check OK - We certify that material supplied complies with the requirements agreed on order
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Delivery Nn 8302707177
Of 19/06/2017
Delivery note nr 1002007290

Quality Control
Q.M.D. A.Dal Prato
Plant Of Contino

Pages
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Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Pb (%)	Rm MPa	Rp 0.2 MPa	A (%)
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TPT TPT 50.00X 3000 11SMNPB30 EN10277 1171069485/60 004095-1 Date 12/06/2017

ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

17QL002699 1095 KG 113286 .070 .003 1.090 .0500 .2900 .290 494 393 17.4

Remarks:

COLD DRAWN MATERIAL
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Q.M.D. A.Dal Prato
Plant Of Contino

Pages
8/8

Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Pb (%)	Rm MPa	Rp 0.2 MPa	A (%)
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TPE TPE 41 X3000 11SMNPB30 EN10277 1171069485/80 004095-1 Date 12/06/2017

HEXAGONAL FREE CUTTING LEADED STEEL Toll h 11 EN 10278

17QL002695 1019 KG 60356 .070 .002 1.100 .0500 .2900 .290 507 376 18.1

Remarks:

MATERIALE CONTROLLATO CLASSE 2

Dimensional and visual check OK - We certify that material supplied complies with the requirements agreed on order