



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 10216602397
Issued On 04/10/2016

Customer
OVAKO METALS OY AB
TUOTEKATU 3
33840 TAMPERE FI

Consignee
OVAKO METALS OY AB
TUOTEKATU 3
33840 TAMPERE FI

Delivery Nn 8302611109
Of 04/10/2016
Delivery note nr 1002011387
Quality Control
Q.M.D. A.Dal Prato
Plant Of Contino

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Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Pb (%)	Rm [N/mm ²]	Rp 0.2 [N/mm ²]	A (%)
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TPT TPT 35.00X 3000 11SMNPB30 EN10277 1161069246/30 46069727-0710 Date 08/07/2016

ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

16QL003973	863 KG	041596	.080	.003	1.100	.0500	.2800	.300	569	508	14.5
16QL003974	1021 KG	041596	.080	.003	1.100	.0500	.2800	.300	568	508	14.7
16QL003975	1021 KG	041596	.080	.003	1.100	.0500	.2800	.300	569	510	14.4
16QL003976	1019 KG	041596	.080	.003	1.100	.0500	.2800	.300	569	509	14.5

TPT TPT 38.00X 3000 11SMNPB30 EN10277 1161085198/80 46075998-0710 Date 17/08/2016

ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

16QL003979	1015 KG	114625	.066	.013	1.255	.0530	.3030	.300	574	514	13.7
16QL003980	1021 KG	114625	.066	.013	1.255	.0530	.3030	.300	575	514	13.5
16QL003982	1013 KG	114625	.066	.013	1.255	.0530	.3030	.300	574	513	13.9
16QL003984	1013 KG	114625	.066	.013	1.255	.0530	.3030	.300	574	514	13.6
16QL003985	1018 KG	114625	.066	.013	1.255	.0530	.3030	.300	573	515	13.8

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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Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Al (%)	Cu (%)	Rm [N/mm ²]	Rp 0.2 [N/mm ²]	A (%)	Kv1 [J]	Kv2 [J]	Kv3 [J]	Kv ^a [J]
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TRT TRT 35.00X 6000 S355J2C EN10277 1161111612/30 000581-1 Date 16/09/2016
COLD DRAWN ROUND Toll h9 EN 10278

16QL003812	1044 KG	354709	.196	.182	1.078	.0070	.0200	.020	.091	621	483	16.6	37	43	38	39
16QL003813	1041 KG	354709	.196	.182	1.078	.0070	.0200	.020	.091	622	484	16.4	40	43	43	42

Remarks:
 COLD DRAWN MATERIAL
 PROVA DI RESILIENZA ESEGUITA SUL LAMINATO DI PARTENZA.
 TEMPERATURA - 20 °
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Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Al (%)	Cu (%)	Rm [N/mm ²]	Rp 0.2 [N/mm ²]	A (%)	Kv1 [J]	Kv2 [J]	Kv3 [J]	Kv ^a [J]
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TRT TRT 20.00X 6000 S355J2C EN10277 1161111612/10 000581-1 Date 16/09/2016

COLD DRAWN ROUND Toll h9 EN 10278

16QL003814	1004 KG	611221	.180	.294	1.400	.0100	.0060	.030	.040	665	543	13.8	47	45	45	45
16QL003815	1004 KG	611221	.180	.294	1.400	.0100	.0060	.030	.040	665	543	13.9	47	44	50	47

TRT TRT 30.00X 6000 S355J2C EN10277 1161111612/20 000581-1 Date 16/09/2016

COLD DRAWN ROUND Toll h9 EN 10278

16QL003809	1003 KG	3069916	.153	.210	1.263	.0130	.0030	.022	.251	650	531	14.5	36	44	44	41
16QL003810	1004 KG	3069916	.153	.210	1.263	.0130	.0030	.022	.251	650	531	14.8	36	34	34	34
16QL003811	1002 KG	3069916	.153	.210	1.263	.0130	.0030	.022	.251	652	532	14.8	42	44	39	41

Remarks:

COLD DRAWN MATERIAL
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Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Al (%)	Cu (%)	Rm [N/mm ²]	Rp 0.2 [N/mm ²]	A (%)	Kv1 [J]	Kv2 [J]	Kv3 [J]	Kv ^a [J]
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TRT TRT 60.00X 6000 S355J2C EN10277 1161109002/10 000506-2 Date 13/09/2016

COLD DRAWN ROUND ToII h9 EN 10278

16QL003768	998 KG	114056691	.180	.210	1.340	.0160	.0240	.025	.010	576	402	18.6	37	35	35	35
16QL003769	1008 KG	114056691	.180	.210	1.340	.0160	.0240	.025	.010	576	401	18.6	39	41	41	40
16QL003770	1001 KG	114056691	.180	.210	1.340	.0160	.0240	.025	.010	577	401	18.6	44	47	41	44

Remarks:

COLD DRAWN MATERIAL
PROVA DI RESILIENZA ESEGUITA SUL LAMINATO DI PARTENZA.
TEMPERATURA - 20 °
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TPT TPT 12.00X 3000 11SMNPB30 EN10277 1161113299/10 000647-1 Date 22/09/2016
ROUND FREE CUTTING LEADED STEEL Toll h9 EN 10278

16QL003971	1003 KG	109564	.072	.010	1.240	.0530	.3040	.288	615	552	10.7
16QL003972	996 KG	109564	.072	.010	1.240	.0530	.3040	.288	613	552	10.7

Remarks:

MATERIALE CONTROLLATO CLASSE 2 EN 10277-1
COLD DRAWN MATERIAL
MATERIALE CONTROLLATO CLASSE 2
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Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Pb (%)	Rm [N/mm ²]	Rp 0.2 [N/mm ²]	A (%)
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TPE TPE 13 X3000 11SMNPB30 EN10277 1161117049/10 46061801 Date 03/10/2016

HEXAGONAL FREE CUTTING LEADED STEEL Toll h 11 EN 10278

16QL003998 1013 KG 506422 .065 .010 1.160 .0740 .3160 .251 614 562 11.3

Remarks:

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Identification Nr	Quantity	Heat	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Pb (%)	Rm [N/mm ²]	Rp 0.2 [N/mm ²]	A (%)
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TPE TPE 24 X3000 11SMNPB30 EN10277 1161113299/30 000647-1 Date 22/09/2016

HEXAGONAL FREE CUTTING LEADED STEEL Toll h 11 EN 10278

16QL003977	1003 KG	41716	.070	.004	1.090	.0500	.3100	.280	579	519	13.7
16QL003978	1007 KG	41716	.070	.004	1.090	.0500	.3100	.280	579	519	13.3

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TPQ TPQ 60.00X 60.00X 3000.00 11SMNPB30 EN10277 1161111612/40 000581-1 Date 16/09/2016

FREE CUTTING LEADED STEEL ToII h11 EN 10278

16QL003816	1029 KG	506570	.080	.008	1.110	.0610	.3040	.268	492	360	18.2
16QL003817	1029 KG	506570	.080	.008	1.110	.0610	.3040	.268	492	362	18.3
16QL003818	1026 KG	506570	.080	.008	1.110	.0610	.3040	.268	491	362	18.3
16QL003819	1030 KG	506570	.080	.008	1.110	.0610	.3040	.268	492	360	18.3
16QL003820	1026 KG	506570	.080	.008	1.110	.0610	.3040	.268	491	360	17.9

Remarks:

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