



Forming Taps for Stainless Steel and Aluminium Alloys

# M-NRT

Volume 1



## KEY FEATURES : M-NRT

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**1** Low-torque spec with specially designed threading for Inox and aluminum

**2** TiN coating

**3** High wear resistance. Powder Metallurgy HSS.

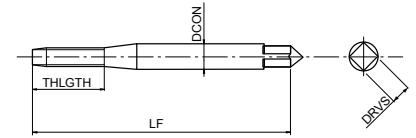
# M-NRT

Threading | Forming taps | Metric

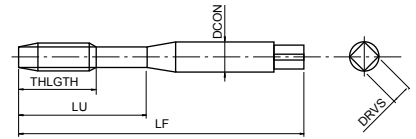


- Powder metal forming tap for through & blind holes
- TiN coating
- For general steel, stainless steels and aluminum

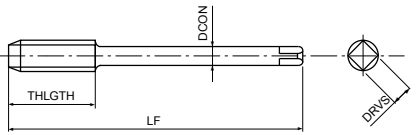
Type 1



Type 2



Type 3



<b>P</b> C < 0,2%	<b>P</b> 0,25 < C < 0,4	<b>P</b> C > 0,45%	<b>P</b> SCM	<b>M</b> INOX	<b>N</b> Al	<b>N</b> AC,ADC	<b>m/min</b>
20-30	20-30	15-30	10-20	6-12	10-25	15-40	

<b>M</b>	<b>PM</b>	<b>TiN</b>	<b>ISO 2 6HX</b>	<b>C/2,5</b>			<b>DIN 2174</b>	<b>DIN 2174</b>
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\* Tolerance 4HX

EDP	TD	TP	LF	THLGTH	LU	DCON	DRVS	NOF	PHD	Type	DIN	Price
EP0203111*	1	0,25	40	5,5		2,5	2,1	3	0,89	1	DIN2174	
EP0203115*	1,4	0,3	40	7		2,5	2,1	3	1,27	1	DIN2174	
EP0203118	1,6	0,35	40	8		2,5	2,1	3	1,44	1	DIN2174	
EP0203125	2	0,4	45	9		2,8	2,1	3	1,82	1	DIN2174	
EP0203133	2,5	0,45	50	9	14	2,8	2,1	4	2,3	2	DIN2174	
EP0203138	3	0,5	56	10	18	3,5	2,7	4	2,8	2	DIN2174	
EP0203142	3,5	0,6	56	11	20	4	3	4	3,25	2	DIN2174	
EP0203144	4	0,7	63	12	21	4,5	3,4	4	3,7	2	DIN2174	
EP0203147	4,5	0,75	70	14	25	6	4,9	4	4,15	2	DIN2174	
EP0203149	5	0,8	70	14	25	6	4,9	5	4,65	2	DIN2174	
EP0203152	5,5	0,9	80	14	30	6	4,9	5	5,1	2	DIN2174	
EP0203155	6	1	80	16	30	6	4,9	5	5,55	2	DIN2174	
EP0203158	7	1	80	16	30	7	5,5	5	6,55	2	DIN2174	
EP0203161	8	1,25	90	18	35	8	6,2	5	7,45	2	DIN2174	
EP0203165	9	1,25	90	18	35	9	7	5	8,45	2	DIN2174	
EP0203169	10	1,5	100	20	39	10	8	5	9,35	2	DIN2174	
EP0203175	11	1,5	100	22		8	6,2	5	10,35	3	DIN2174	
EP0203179	12	1,75	110	24		9	7	5	11,2	3	DIN2174	
EP0203191	14	2	110	25		11	9	6	13,1	3	DIN2174	
EP0203202	16	2	110	27		12	9	6	15,1	3	DIN2174	
EP0203214	18	2,5	125	32		14	11	7	16,8	3	DIN2174	
EP0203228	20	2,5	140	32		16	12	7	18,8	3	DIN2174	
EP0203238	22	2,5	140	32		18	14,5	7	20,8	3	DIN2174	
EP0203247	24	3	160	36		18	14,5	7	22,6	3	DIN2174	

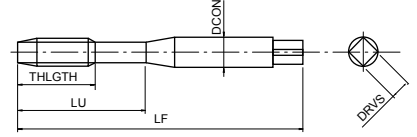


# M-OIL-NRT

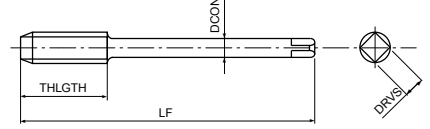
Threading | Forming taps | Metric



Type 1



Type 2



- Powder metal forming tap for through & blind holes
- TiN coating
- For general steel, stainless steels and aluminum
- With side through coolant

P C < 0,2%	P 0,25 < C < 0,4	P C > 0,45%	P SCM	M INOX	N Al	N AC, ADC	
20-30	20-30	15-30	10-20	6-12	10-25	15-40	m/min

M	PM	TiN	ISO 2 6HX	C/2,5			DIN 2174	DIN 2174
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EDP	TD	TP	LF	THLGTH	LU	DCON	DRVS	NOF	PHD	Type	DIN	Price
EP0206149	5	0,8	70	14	25	6	4,9	5	4,65	1	DIN2174	
EP0206155	6	1	80	16	30	6	4,9	5	5,55	1	DIN2174	
EP0206161	8	1,25	90	18	35	8	6,2	5	7,45	1	DIN2174	
EP0206169	10	1,5	100	20	39	10	8	5	9,35	1	DIN2174	
EP0206179	12	1,75	110	24		9	7	5	11,2	2	DIN2174	
EP0206191	14	2	110	25		11	9	6	13,1	2	DIN2174	
EP0206202	16	2	110	27		12	9	6	15,1	2	DIN2174	
EP0206214	18	2,5	125	32		14	11	7	16,8	2	DIN2174	
EP0206228	20	2,5	140	32		16	12	7	18,8	2	DIN2174	
EP0206238	22	2,5	140	32		18	14,5	7	20,8	2	DIN2174	
EP0206247	24	3	160	36		18	14,5	7	22,6	2	DIN2174	

Threading | Forming taps  
Metric

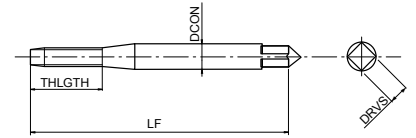
# M-NRT 6GX

Threading | Forming taps | Metric

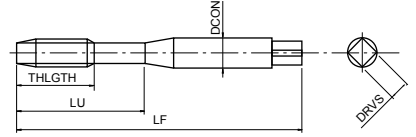


- Powder metal forming tap for through & blind holes
- TiN coating
- For general steel, stainless steels and aluminum
- For 6G internal thread tolerance

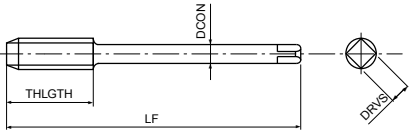
Type 1



Type 2



Type 3



<b>P</b> C < 0,2%	<b>P</b> 0,25 < C < 0,4	<b>P</b> C > 0,45%	<b>P</b> SCM	<b>M</b> INOX	<b>N</b> Al	<b>N</b> AC,ADC	
20-30	20-30	15-30	10-20	6-12	10-25	15-40	m/min

<b>M</b>	<b>PM</b>	<b>TiN</b>	<b>ISO 3 6GX</b>	<b>C/2,5</b>			<b>DIN 2174</b>
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EDP	TD	TP	oversize	LF	THLGTH	LU	DCON	DRVS	NOF	PHD	Type	DIN	Price
EP0204125	2	0,4	0,019	45	9		2,8	2,1	3	1,82	1	DIN2174	
EP0204133	2,5	0,45	0,020	50	9	14	2,8	2,1	4	2,3	2	DIN2174	
EP0204138	3	0,5	0,020	56	10	18	3,5	2,7	4	2,8	2	DIN2174	
EP0204142	3,5	0,6	0,021	56	11	20	4	3	4	3,25	2	DIN2174	
EP0204144	4	0,7	0,022	63	12	21	4,5	3,4	4	3,7	2	DIN2174	
EP0204149	5	0,8	0,024	70	14	25	6	4,9	5	4,65	2	DIN2174	
EP0204155	6	1	0,026	80	16	30	6	4,9	5	5,55	2	DIN2174	
EP0204161	8	1,25	0,028	90	18	35	8	6,2	5	7,45	2	DIN2174	
EP0204169	10	1,5	0,032	100	20	39	10	8	5	9,35	2	DIN2174	
EP0204179	12	1,75	0,034	110	24		9	7	5	11,2	3	DIN2174	
EP0204191	14	2	0,038	110	25		11	9	6	13,1	3	DIN2174	
EP0204202	16	2	0,038	110	27		12	9	6	15,1	3	DIN2174	

Threading | Forming taps

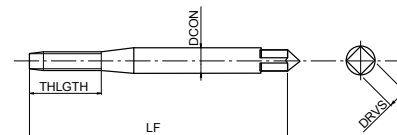
Metric

# M-NRT FORM E

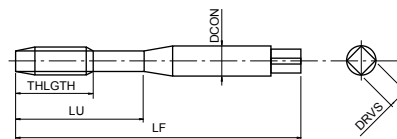
Threading | Forming taps | Metric



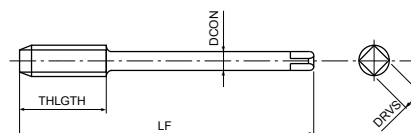
Type 1



Type 2



Type 3



- Powder metal forming tap for through & blind holes
- TiN coating
- For general steel, stainless steels and aluminum
- Chamfer Form E

<b>P</b> C < 0,2%	<b>P</b> 0,25 < C < 0,4	<b>P</b> C > 0,45%	<b>P</b> SCM	<b>M</b> INOX	<b>N</b> Al	<b>N</b> AC,ADC	
20-30	20-30	15-30	10-20	6-12	10-25	15-40	m/min

<b>M</b>	<b>PM</b>	<b>TiN</b>	<b>ISO 2 6HX</b>	<b>E/1,5</b>	<b>DIN 2174</b>	<b>DIN 2174</b>
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EDP	TD	TP	LF	THLGTH	LU	DCON	DRVS	NOF	PHD	Type	DIN	Price
EP0205125	2	0,4	45	9		2,8	2,1	3	1,82	1	DIN2174	
EP0205133	2,5	0,45	50	9	14	2,8	2,1	4	2,3	2	DIN2174	
EP0205138	3	0,5	56	10	18	3,5	2,7	4	2,8	2	DIN2174	
EP0205142	3,5	0,6	56	11	20	4	3	4	3,25	2	DIN2174	
EP0205144	4	0,7	63	12	21	4,5	3,4	4	3,7	2	DIN2174	
EP0205149	5	0,8	70	14	25	6	4,9	5	4,65	2	DIN2174	
EP0205155	6	1	80	16	30	6	4,9	5	5,55	2	DIN2174	
EP0205161	8	1,25	90	18	35	8	6,2	5	7,45	2	DIN2174	
EP0205169	10	1,5	100	20	39	10	8	5	9,35	2	DIN2174	
EP0205179	12	1,75	110	24		9	7	5	11,2	3	DIN2174	
EP0205191	14	2	110	25		11	9	6	13,1	3	DIN2174	
EP0205202	16	2	110	27		12	9	6	15,1	3	DIN2174	

Threading | Forming taps

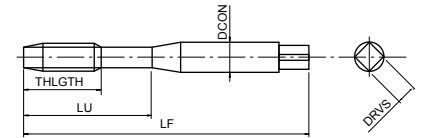
Metric

# M-OIL-NRT FORM E

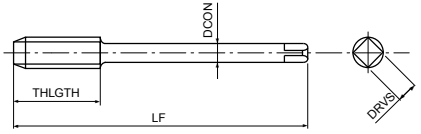
Threading | Forming taps | Metric



Type 1



Type 2



- Powder metal forming tap for blind holes
- TiN coating
- For general steel, stainless steels and aluminum
- Chamfer Form E, center through coolant

<b>P</b> C < 0,2%	<b>P</b> 0,25 < C < 0,4	<b>P</b> C > 0,45%	<b>P</b> SCM	<b>M</b> INOX	<b>N</b> Al	<b>N</b> AC, ADC	m/min
20-30	20-30	15-30	10-20	6-12	10-25	15-40	

<b>M</b>	<b>PM</b>	<b>TiN</b>	<b>ISO 2 6HX</b>	<b>E/1,5</b>			<b>DIN 2174</b>	<b>DIN 2174</b>
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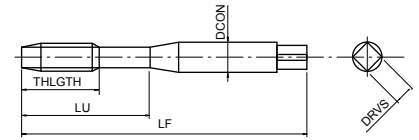
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EP0207149	5	0,8	70	14	25	6	4,9	5	4,65	1	DIN2174	
EP0207155	6	1	80	16	30	6	4,9	5	5,55	1	DIN2174	
EP0207161	8	1,25	90	18	35	8	6,2	5	7,45	1	DIN2174	
EP0207169	10	1,5	100	20	39	10	8	5	9,35	1	DIN2174	
EP0207179	12	1,75	110	24	-	9	7	5	11,2	2	DIN2174	
EP0207191	14	2	110	25	-	11	9	6	13,1	2	DIN2174	
EP0207202	16	2	110	27	-	12	9	6	15,1	2	DIN2174	

# M-NRT

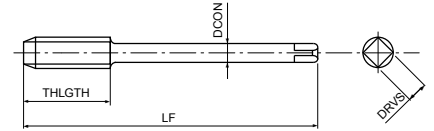
Threading | Forming taps | Metric Fine



Type 1



Type 2



- Powder metal forming tap for through & blind holes
- TiN coating
- For general steel, stainless steels and aluminum

Threading | Forming taps

<b>P</b>	<b>P</b>	<b>P</b>	<b>P</b>	<b>M</b>	<b>N</b>	<b>N</b>	
C < 0,2%	0,25 < C < 0,4	C > 0,45%	SCM	INOX	Al	AC,ADC	m/min
20-30	20-30	15-30	10-20	6-12	10-25	15-40	

<b>MF</b>	<b>PM</b>	<b>TiN</b>	<b>ISO 2 6HX</b>	<b>C/2,5</b>			<b>DIN 2174</b>
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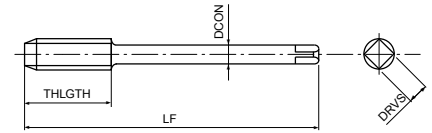
EDP	TD	TP	LF	THLGTH	LU	DCON	DRVS	NOF	PHD	Type	DIN	Price
EP0203145	4	0,5	63	8	21	4,5	3,4	4	3,8	1	DIN2174	
EP0203151	5	0,5	70	9	25	6	4,9	5	4,8	1	DIN2174	
EP0203157	6	0,5	80	10	30	6	4,9	5	5,8	1	DIN2174	
EP0203156	6	0,75	80	14	30	6	4,9	5	5,65	1	DIN2174	
EP0203160	7	0,75	80	14	30	7	5,5	5	6,65	1	DIN2174	
EP0203164	8	0,5	80	10	35	8	6,2	5	7,775	1	DIN2174	
EP0203163	8	0,75	80	14	35	8	6,2	5	7,65	1	DIN2174	
EP0203162	8	1	90	18	35	8	6,2	5	7,55	1	DIN2174	
EP0203171	10	1	90	18	39	10	8	5	9,55	1	DIN2174	
EP0203170	10	1,25	100	20	39	10	8	5	9,45	1	DIN2174	
EP0203182	12	1	100	22		9	7	5	11,55	2	DIN2174	
EP0203181	12	1,25	100	22		9	7	5	11,45	2	DIN2174	
EP0203180	12	1,5	100	22		9	7	5	11,35	2	DIN2174	
EP0203194	14	1	100	22		11	9	6	13,55	2	DIN2174	
EP0203193	14	1,25	100	22		11	9	6	13,45	2	DIN2174	
EP0203192	14	1,5	100	22		11	9	6	13,35	2	DIN2174	
EP0203204	16	1	100	20		12	9	6	15,55	2	DIN2174	
EP0203203	16	1,5	100	20		12	9	6	15,35	2	DIN2174	
EP0203218	18	1	110	25		14	11	7	17,55	2	DIN2174	
EP0203216	18	1,5	110	25		14	11	7	17,35	2	DIN2174	
EP0203232	20	1	125	25		16	12	7	19,55	2	DIN2174	
EP0203230	20	1,5	125	25		16	12	7	19,35	2	DIN2174	
EP0203240	22	1,5	125	25		18	14,5	7	21,35	2	DIN2174	
EP0203250	24	1,5	140	28		18	14,5	7	23,35	2	DIN2174	

Metric Fine



# M-NRT

Threading | Forming taps | G (BSP)



- Powder metal forming tap for through & blind holes
- TiN coating
- For general steel, stainless steels and aluminum

<b>P</b> C < 0,2%	<b>P</b> 0,25 < C < 0,4	<b>P</b> C > 0,45%	<b>P</b> SCM	<b>M</b> INOX	<b>N</b> Al	<b>N</b> AC,ADC	m/min	
20-30	20-30	15-30	10-20	6-12	10-25	15-40		

<b>G</b>	<b>PM</b>	<b>TiN</b>	<b>C/2,5</b>	<b>DIN 2189</b>
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EDP	TD	TP	LF	THLGTH	DCON	DRVS	NOF	PHD	DIN	Price
EP0203838	1/8	28	90	18	7	5,5	5	9,25	DIN2189	
EP0203839	1/4	19	100	22	11	9	6	12,5	DIN2189	
EP0203840	3/8	19	100	22	12	9	6	16	DIN2189	
EP0203841	1/2	14	125	25	16	12	7	20	DIN2189	
EP0203842	5/8	14	125	25	18	14,5	7	22	DIN2189	
EP0203843	3/4	14	140	28	20	16	8	25,5	DIN2189	

Threading | Forming taps

G (BSP)

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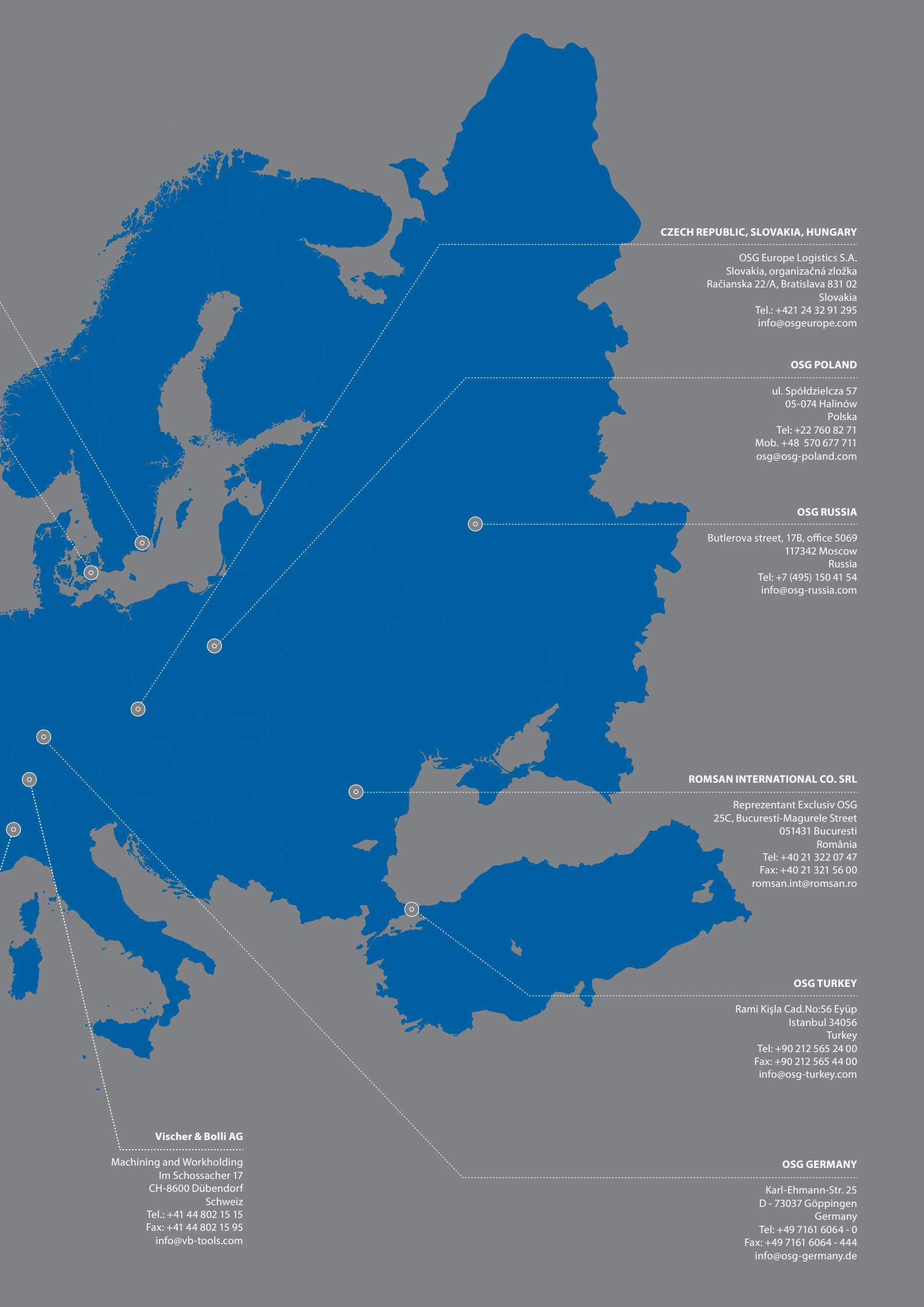
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