



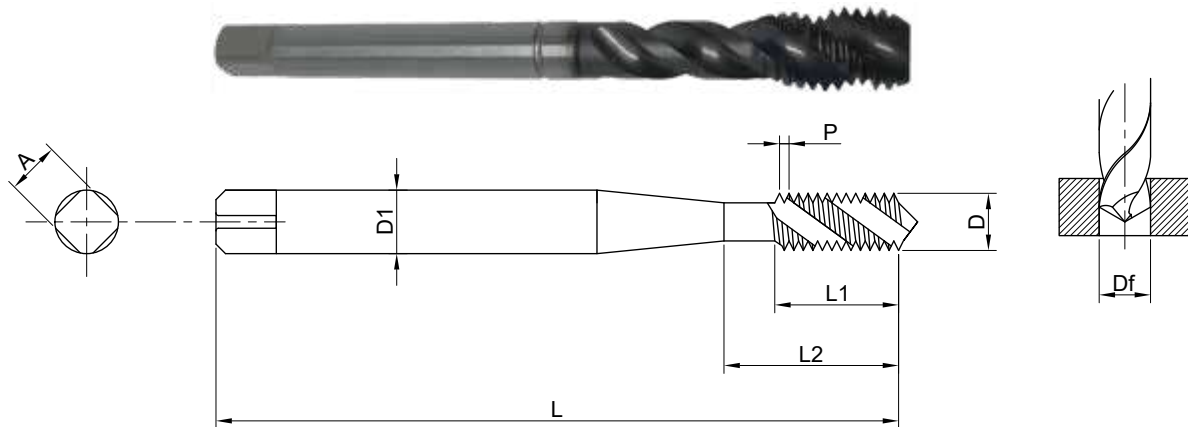
## Linea TOP T Alte prestazioni

### Scanalatura forte torsione

Per fori ciechi

Rivestimento TiAlN

HSS-E	DIN 371 ≤ M10 gambo rinforzato	DIN 376 ≥ M12 gambo passante	6HX	 R45	 < 2.5 x D
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### Linea TOP T

| gruppo sconto MS10 |

D1	Passo Screw pitch	L	L1	L2	D1	A	ø Df ø hole	CODICE CODE	€
M 4	0,70	63	7,5	21	4,5	3,4	3,3	N51-M4-TN-GT	38,00
M 5	0,80	70	8,5	25	6	4,9	4,2	N51-M5-TN-GT	39,00
M 6	1,00	80	11	30	6	4,9	5	N51-M6-TN-GT	40,00
M 8	1,25	90	14	35	8	6,2	6,8	N51-M8-TN-GT	47,00
M 10	1,50	100	16	39	10	8	8,5	N51-M10-TN-GT	59,00
M 12	1,75	110	18,5	49	9	7	10,2	N52-M12-TN-GT	69,00
M 14	2,00	110	20	53	11	9	12	N52-M14-TN-GT	105,00
M 16	2,00	110	20	54	12	9	14	N52-M16-TN-GT	105,00
M 18	2,50	125	25	62	14	11	15,5	N52-M18-TN-GT	175,00
M 20	2,50	140	25	62	16	12	17,5	N52-M20-TN-GT	157,00
M 24	3,00	160	30	79	18	14,5	21	N52-M24-TN-GT	230,00
M 30	3,50	180	35	85	22	18	26,5	N52-M30-TN-GT	279,00

### PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

MATERIALI Materials	ACCIAI Alloy steels			INOX SS			GHISA Cast iron		ALLUMINIO Aluminium		TITANIO Titanium	SUPERLEGHE FE/NI/CO Superalloy Fe/Ni/Co	
	< 700 N/mm <sup>2</sup>	< 1000 N/mm <sup>2</sup>	< 1400 N/mm <sup>2</sup>	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
 m/min	18	16	14	10	8	8	22	20	30	20	2	3	2

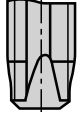
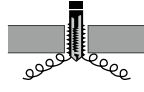


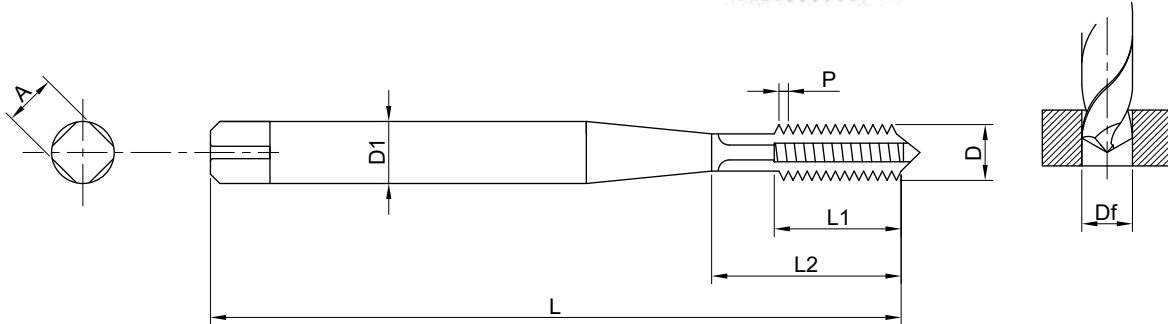
## Linea TOP T Alte prestazioni

### Scanalature diritte imbocco corretto

Per fori passanti

Rivestimento TiN

HSS-E	DIN 371 ≤ M10 gambo rinforzato	DIN 376 ≥ M11 gambo passante	6HX		
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#### Linea TOP T

| gruppo sconto MS10 |

D1	Passo Screw pitch	L	L1	L2	D1	A	ø Df ø hole	CODICE CODE	€
M 4	0,70	63	12	21	4,5	3,4	3,3	<b>N31-M4-T-GT</b>	<b>36,00</b>
M 5	0,80	70	14	25	6	4,9	4,2	<b>N31-M5-T-GT</b>	<b>36,00</b>
M 6	1,00	80	16	30	6	4,9	5	<b>N31-M6-T-GT</b>	<b>37,00</b>
M 8	1,25	90	17	35	8	6,2	6,8	<b>N31-M8-T-GT</b>	<b>43,00</b>
M 10	1,50	100	20	39	10	8	8,5	<b>N31-M10-T-GT</b>	<b>54,00</b>
M 12	1,75	110	24	49	9	7	10,2	<b>N32-M12-T-GT</b>	<b>64,00</b>
M 14	2,00	110	26	53	11	9	12	<b>N32-M14-T-GT</b>	<b>97,00</b>
M 16	2,00	110	26	54	12	9	14	<b>N32-M16-T-GT</b>	<b>97,00</b>
M 18	2,50	125	30	62	14	11	15,5	<b>N32-M18-T-GT</b>	<b>161,00</b>
M 20	2,50	140	32	62	16	12	17,5	<b>N32-M20-T-GT</b>	<b>144,00</b>
M 24	3,00	160	36	79	18	14,5	21	<b>N32-M24-T-GT</b>	<b>213,00</b>
M 30	3,50	180	40	85	22	18	26,5	<b>N32-M30-T-GT</b>	<b>256,00</b>

#### PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS



MATERIALI Materials	ACCIAI Alloy steels			INOX SS			GHISA Cast iron		ALLUMINIO Aluminium		TITANIO Titanium	SUPERLEGHE FE/NI/CO Superalloy Fe/Ni/Co	
	< 700 N/mm <sup>2</sup>	< 1000 N/mm <sup>2</sup>	< 1400 N/mm <sup>2</sup>	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
 m/min	20	18	16	12	10	8	25	20	30	20	2	3	2

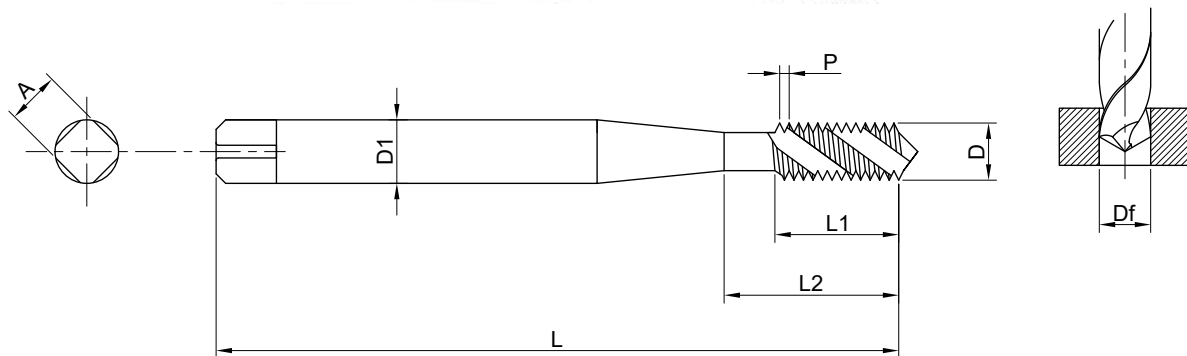
## Linea EASY E Universale

### Scanalature forte torsione

Per fori ciechi

Vaporizzato

HSS-E	DIN 371 ≤ M10 gambo rinforzato	DIN 376 ≥ M11 gambo passante	6H	 R40	 < 2.5 x D
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#### Linea EASY E

| gruppo sconto MS10 |

D1	Passo Screw pitch	L	L1	L2	D1	A	ø Df ø hole	CODICE CODE	€
M 4	0,70	63	7,5	21	4,5	3,4	3,3	N51-M4-V-GE	12,00
M 5	0,80	70	8,5	25	6	4,9	4,2	N51-M5-V-GE	13,00
M 6	1,00	80	11	30	6	4,9	5	N51-M6-V-GE	13,00
M 8	1,25	90	14	35	8	6,2	6,8	N51-M8-V-GE	16,00
M 10	1,50	100	16	39	10	8	8,5	N51-M10-V-GE	18,00
M 12	1,75	110	18,5	49	9	7	10,2	N52-M12-V-GE	20,00
M 14	2,00	110	20	53	11	9	12	N52-M14-V-GE	29,00
M 16	2,00	110	20	54	12	9	14	N52-M16-V-GE	30,00
M 18	2,50	125	25	62	14	11	15,5	N52-M18-V-GE	46,00
M 20	2,50	140	25	62	16	12	17,5	N52-M20-V-GE	45,00
M 22	2,50	140	27	65	18	14,5	18,5	N52-M22-V-GE	83,00
M 24	3,00	160	30	79	18	14,5	21	N52-M24-V-GE	105,00
M 27	3,00	160	30	79	20	16	24	N52-M27-V-GE	140,00
M 30	3,50	180	35	85	22	18	26,5	N52-M30-V-GE	149,00

#### PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

MATERIALI Materials	ACCIAI Alloy steels			INOX SS			GHISA Cast iron		ALLUMINIO Aluminium		TITANIO Titanium	SUPERLEGHE FE/NI/CO Superalloy Fe/Ni/Co	
	< 700 N/mm <sup>2</sup>	< 1000 N/mm <sup>2</sup>	< 1400 N/mm <sup>2</sup>	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
 m/min	14	12	10	4	6	5	15	18	20	15			





FRESATURA / MILLING  
 TORNTURA / TURNING  
 FORATURA / DRILLING  
 INTEGRALE / INTEGRAL  
 ATTREZZATURA / EQUIPMENT

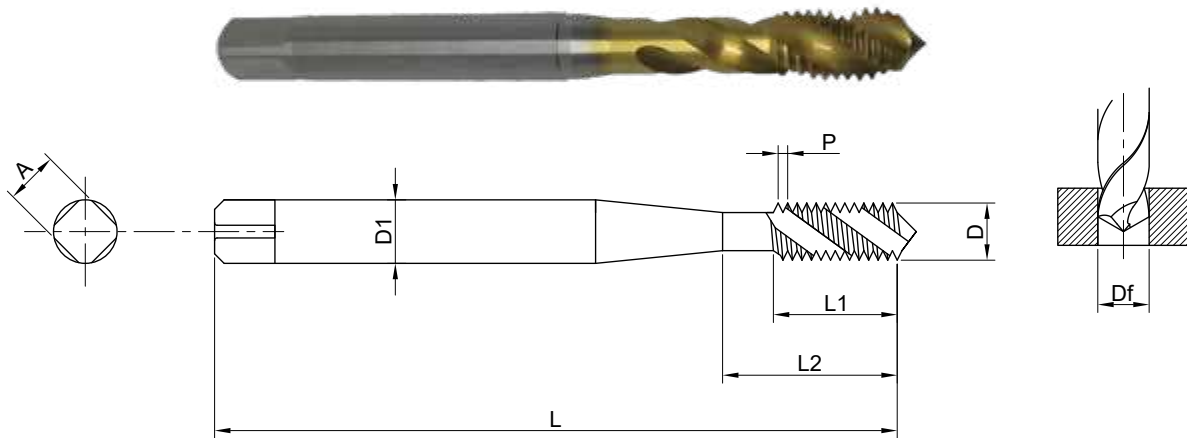
## Linea EASY E Universale

### Scanalature forte torsione

Per fori ciechi

Rivestimento TiN

HSS-E	DIN 371 ≤ M10 gambo rinforzato	DIN 376 ≥ M11 gambo passante	6H	 R40	 < 2.5 x D
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#### Linea EASY E

| gruppo sconto MS10 |

D1	Passo Screw pitch	L	L1	L2	D1	A	∅ Df ∅ hole	CODICE CODE	€
M 4	0,70	63	7,5	21	4,5	3,4	3,3	<b>N51-M4-T-GE</b>	<b>17,00</b>
M 5	0,80	70	8,5	25	6	4,9	4,2	<b>N51-M5-T-GE</b>	<b>17,00</b>
M 6	1,00	80	11	30	6	4,9	5	<b>N51-M6-T-GE</b>	<b>21,00</b>
M 8	1,25	90	14	35	8	6,2	6,8	<b>N51-M8-T-GE</b>	<b>23,00</b>
M 10	1,50	100	16	39	10	8	8,5	<b>N51-M10-T-GE</b>	<b>29,00</b>
M 12	1,75	110	18,5	49	9	7	10,2	<b>N52-M12-T-GE</b>	<b>35,00</b>
M 14	2,00	110	20	53	11	9	12	<b>N52-M14-T-GE</b>	<b>48,00</b>
M 16	2,00	110	20	54	12	9	14	<b>N52-M16-T-GE</b>	<b>55,00</b>
M 20	2,50	140	25	62	16	12	17,5	<b>N52-M20-T-GE</b>	<b>97,00</b>
M 22	2,50	140	27	65	18	14,5	18,5	<b>N52-M22-T-GE</b>	<b>150,00</b>
M 24	3,00	160	30	79	18	14,5	21	<b>N52-M24-T-GE</b>	<b>157,00</b>

#### PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS


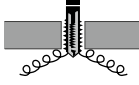
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	< 700 N/mm <sup>2</sup>	< 1000 N/mm <sup>2</sup>	< 1400 N/mm <sup>2</sup>	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
 m/min	16	14	12	5	7	6	18	21	20	15			

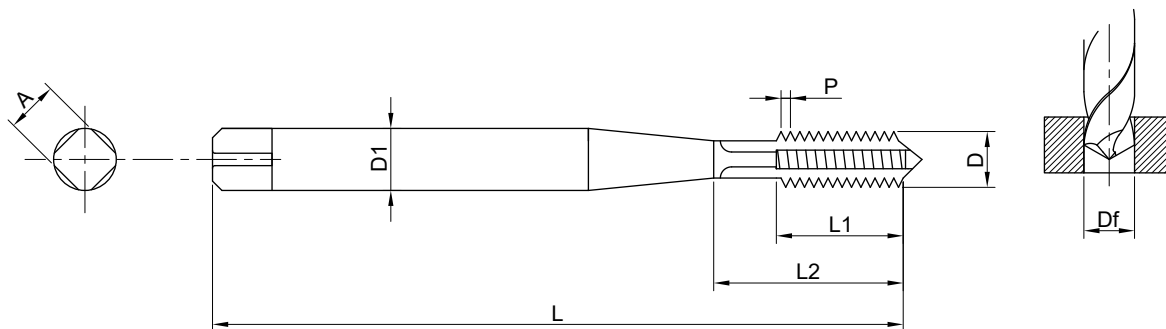
## Linea EASY E Universale

### Scanalature dritte imbocco corretto

Per fori passanti

Vaporizzato

HSS-E	DIN 371 ≤ M10 gambo rinforzato	DIN 376 ≥ M11 gambo passante	6H		
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#### Linea EASY E

| gruppo sconto MS10 |

D1	Passo Screw pitch	L	L1	L2	D1	A	∅ Df ∅ hole	CODICE CODE	€
M 4	0,70	63	12	21	4,5	3,4	3,3	<b>N31-M4-V-GE</b>	<b>12,00</b>
M 5	0,80	70	14	25	6	4,9	4,2	<b>N31-M5-V-GE</b>	<b>12,00</b>
M 6	1,00	80	16	30	6	4,9	5	<b>N31-M6-V-GE</b>	<b>12,00</b>
M 8	1,25	90	17	35	8	6,2	6,8	<b>N31-M8-V-GE</b>	<b>14,00</b>
M 10	1,50	100	20	39	10	8	8,5	<b>N31-M10-V-GE</b>	<b>17,00</b>
M 12	1,75	110	24	49	9	7	10,2	<b>N32-M12-V-GE</b>	<b>21,00</b>
M 14	2,00	110	26	53	11	9	12	<b>N32-M14-V-GE</b>	<b>31,00</b>
M 16	2,00	110	26	54	12	9	14	<b>N32-M16-V-GE</b>	<b>31,00</b>
M 18	2,50	125	30	62	14	11	15,5	<b>N32-M18-V-GE</b>	<b>39,00</b>
M 20	2,50	140	32	62	16	12	17,5	<b>N32-M20-V-GE</b>	<b>49,00</b>
M 22	2,50	140	36	79	18	14,5	19,5	<b>N32-M22-V-GE</b>	<b>90,00</b>
M 24	3,00	160	36	79	18	14,5	21	<b>N32-M24-V-GE</b>	<b>117,00</b>
M 27	3,00	160	38	82	20	16	24	<b>N32-M27-V-GE</b>	<b>150,00</b>
M 30	3,50	180	40	85	22	18	26,5	<b>N32-M30-V-GE</b>	<b>165,00</b>

#### PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

MATERIALI Materials	ACCIAI Alloy steels			INOX SS			GHISA Cast iron		ALLUMINIO Aluminium		TITANIO Titanium	SUPERLEGHE FE/NI/CO Superalloy Fe/Ni/Co	
	< 700 N/mm <sup>2</sup>	< 1000 N/mm <sup>2</sup>	< 1400 N/mm <sup>2</sup>	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
 m/min	16	14	11	5	6	5	19	21	19	14			


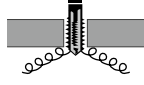
## Linea TOP T SINTERIZZATO

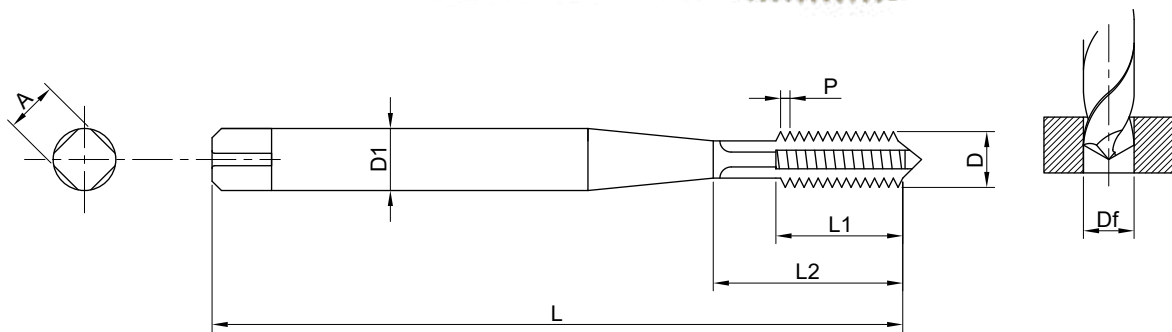
### Alte prestazioni

### Scanalature dritte imbocco corretto

Per fori passanti

Rivestimento TiN

HSS-E-PM	DIN 371 ≤ M10 gambo rinforzato	DIN 376 ≥ M11 gambo passante	6H		
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#### Linea TOP T

| gruppo sconto MS10 |

D1	Passo Screw pitch	L	L1	L2	D1	A	ø Df ø hole	CODICE CODE	€
M 4	0,70	63	12	21	4,5	3,4	3,3	<b>N31-PM-M4-T-GT</b>	<b>17,00</b>
M 5	0,80	70	14	25	6	4,9	4,2	<b>N31-PM-M5-T-GT</b>	<b>19,00</b>
M 6	1,00	80	16	30	6	4,9	5	<b>N31-PM-M6-T-GT</b>	<b>22,00</b>
M 8	1,25	90	17	35	8	6,2	6,8	<b>N31-PM-M8-T-GT</b>	<b>25,00</b>
M 10	1,50	100	20	39	10	8	8,5	<b>N31-PM-M10-T-GT</b>	<b>33,00</b>
M 12	1,75	110	24	49	9	7	10,2	<b>N32-PM-M12-T-GT</b>	<b>39,00</b>
M 14	2,00	110	26	53	11	9	12	<b>N32-PM-M14-T-GT</b>	<b>59,00</b>
M 16	2,00	110	26	54	12	9	14	<b>N32-PM-M16-T-GT</b>	<b>55,00</b>
M 18	2,50	125	30	62	14	11	15,5	<b>N32-PM-M18-T-GT</b>	<b>96,00</b>
M 20	2,50	140	32	62	16	12	17,5	<b>N32-PM-M20-T-GT</b>	<b>99,00</b>

#### PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

MATERIALI Materials	ACCIAI Alloy steels			INOX SS			GHISA Cast iron		ALLUMINIO Aluminium		TITANIO Titanium	SUPERLEGHE FE/NI/CO Superalloy Fe/Ni/Co	
	< 700 N/mm <sup>2</sup>	< 1000 N/mm <sup>2</sup>	< 1400 N/mm <sup>2</sup>	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
 m/min	18	16	14	7	8	6	22	20	30	20			