

H31-V-GT

Scanalature dritte imbocco corretto

Straight grooves right inlet



HSS-E

vap

P

H

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N51-TN-GT

Scanalatura forte torsione

Strong twisting grooves



HSS-E

TiAIN

P

M

pag 213

N31-T-GT

Scanalature dritte imbocco corretto

Straight grooves right inlet



HSS-E

TiAIN

P

M

pag 214

N51-V-GE

Scanalature forte torsione

Strong twisting grooves



HSS-E

vap

P

M

pag 215

N51-T-GE

Scanalature forte torsione

Strong twisting grooves



HSS-E

TiN

P

M

K

N

S

H

pag 216

N31-V-GE

Scanalature dritte imbocco corretto

Straight grooves right inlet



HSS-E

vap

P

M

K

N

S

H

pag 217

N31-PM-T-GT

Scanalature dritte imbocco corretto

Straight grooves right inlet



HSS-E-PM

TiN

P

M

K

N

S

H

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A41-GE

Maschi a macchina per filettatura metrica ISO

Taps for ISO metric thread



HSS-E

N

pag 219

A31-GE

Maschi a macchina per filettatura metrica ISO

Taps for ISO metric thread



HSS-E

N

pag 220

G31-FLA-GE

Maschi a macchina per filettatura metrica ISO

Taps for ISO metric thread



HM	TiN	N	K
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N73-FLR TC PX

Maschio a rullare metrico con fori sui fianchi

Oil feed fluteless taps ISO metric threads with holes on the sides



HSS-E-PM	TiN	P	M	K
		S		

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N61-TC-PX

Maschio a rullare metrico

Fluteless machine taps for ISO metric threads



HSS-E-PM	TiCN	P	M
		S	

pag 223

N67-TC-PX

Maschio a rullare GAS

Fluteless machine taps for BSP-threads



HSS-E-PM	TiCN	P	M	K
		S		

pag 224

N68-TC-PX

Maschio a rullare metrico fine

Fluteless machine taps DIN 374



HSS-E-PM	TiCN	P	M	K
		S		

pag 225

N93-FLA-TC-PX

Maschio a rullare metrico con foro centrale

Fluteless machine taps DIN 371/DIN 376



HSS-E-PM	TiCN	P	M	K
		S		

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N93-FLA-TC-PX

Maschio a rullare metrico con foro centrale

Fluteless machine taps DIN 374



HSS-E-PM	TiCN	P	M
		S	

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N73-FLR-TC-PX

Maschio a rullare metrico con fori sui fianchi

Oil feed fluteless taps ISO metric threads with holes on the sides



HSS-E-PM	TiCN	P	M	K
		S		

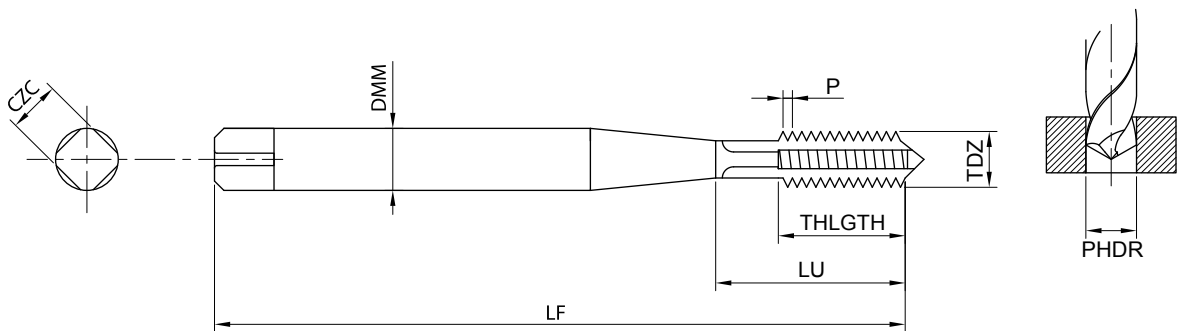
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XTAP H31-V-GT

PER MATERIALI DURI
FOR HARD MATERIALS

Scanalature dritte imbocco corretto/Straight grooves right inlet

Per fori passanti/For through holes



DIN 371 ≤ M10 gambo rinforzato/DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	A	PHDR ø preforo	CODICE CODE	
M3	0,50	56	10	18	3,5	2,7	2,5	H31-M3-V-GT	○
M4	0,70	63	12	21	4,5	3,4	3,3	H31-M4-V-GT	○
M5	0,80	70	14	25	6	4,9	4,2	H31-M5-V-GT	○
M6	1,00	80	16	30	6	4,9	5	H31-M6-V-GT	○
M8	1,25	90	17	35	8	6,2	6,8	H31-M8-V-GT	○
M10	1,50	100	20	39	10	8	8,5	H31-M10-V-GT	●
M12	1,75	110	24	49	9	7	10,2	H31-M12-V-GT	○
M16	2,00	110	26	54	12	9	14	H31-M16-V-GT	○
M20	2,50	140	32	62	16	12	17,5	H31-M20-V-GT	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

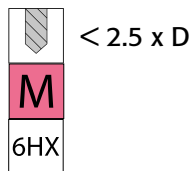
PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min		8	6										

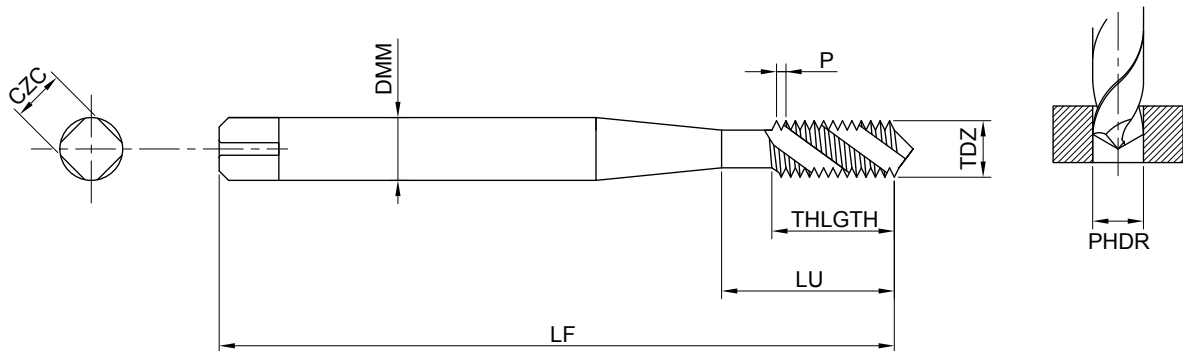
ALTE PRESTAZIONI HIGH PERFORMANCE

Scanalatura forte torsione/Strong twisting grooves

Per fori ciechi/For blind holes



Evacuazione truciolo a basso attrito
Low friction chip evacuation



DIN 371 ≤ M10 gambo rinforzato/DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M 4	0,70	63	7,5	21	4,5	3,4	3,3	N51-M4-TN-GT	●
M 5	0,80	70	8,5	25	6	4,9	4,2	N51-M5-TN-GT	●
M 6	1,00	80	11	30	6	4,9	5	N51-M6-TN-GT	●
M 8	1,25	90	14	35	8	6,2	6,8	N51-M8-TN-GT	●
M 10	1,50	100	16	39	10	8	8,5	N51-M10-TN-GT	●
M 12	1,75	110	18,5	49	9	7	10,2	N52-M12-TN-GT	●
M 14	2,00	110	20	53	11	9	12	N52-M14-TN-GT	●
M 16	2,00	110	20	54	12	9	14	N52-M16-TN-GT	●
M 18	2,50	125	25	62	14	11	15,5	N52-M18-TN-GT	●
M 20	2,50	140	25	62	16	12	17,5	N52-M20-TN-GT	●
M 24	3,00	160	30	79	18	14,5	21	N52-M24-TN-GT	●
M 30	3,50	180	35	85	22	18	26,5	N52-M30-TN-GT	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	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

XTAP N31-T-GT

ALTE PRESTAZIONI

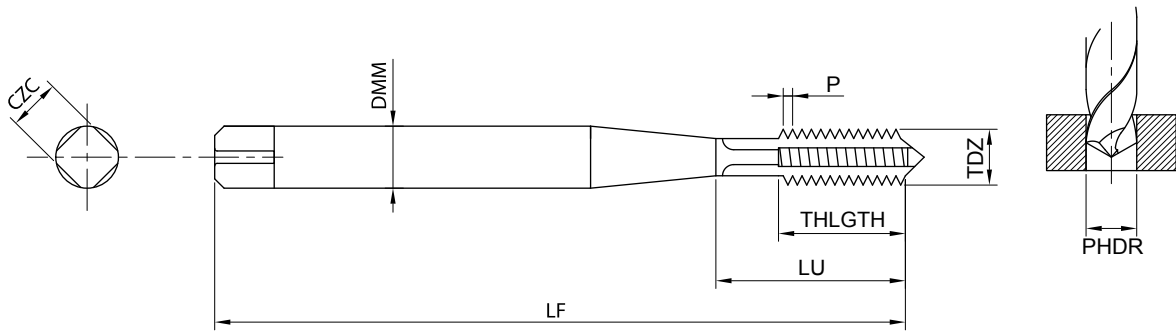
HIGH PERFORMANCE

Scanalature diritte imbocco corretto / Straight grooves right inlet

Per fori passanti / For through holes



Evacuazione truciolo a basso attrito
Low friction chip evacuation



DIN 371 ≤ M10 gambo rinforzato / DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M 4	0,70	63	12	21	4,5	3,4	3,3	N31-M4-T-GT	●
M 5	0,80	70	14	25	6	4,9	4,2	N31-M5-T-GT	●
M 6	1,00	80	16	30	6	4,9	5	N31-M6-T-GT	●
M 8	1,25	90	17	35	8	6,2	6,8	N31-M8-T-GT	●
M 10	1,50	100	20	39	10	8	8,5	N31-M10-T-GT	●
M 12	1,75	110	24	49	9	7	10,2	N32-M12-T-GT	●
M 14	2,00	110	26	53	11	9	12	N32-M14-T-GT	●
M 16	2,00	110	26	54	12	9	14	N32-M16-T-GT	●
M 18	2,50	125	30	62	14	11	15,5	N32-M18-T-GT	●
M 20	2,50	140	32	62	16	12	17,5	N32-M20-T-GT	●
M 24	3,00	160	36	79	18	14,5	21	N32-M24-T-GT	●
M 30	3,50	180	40	85	22	18	26,5	N32-M30-T-GT	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

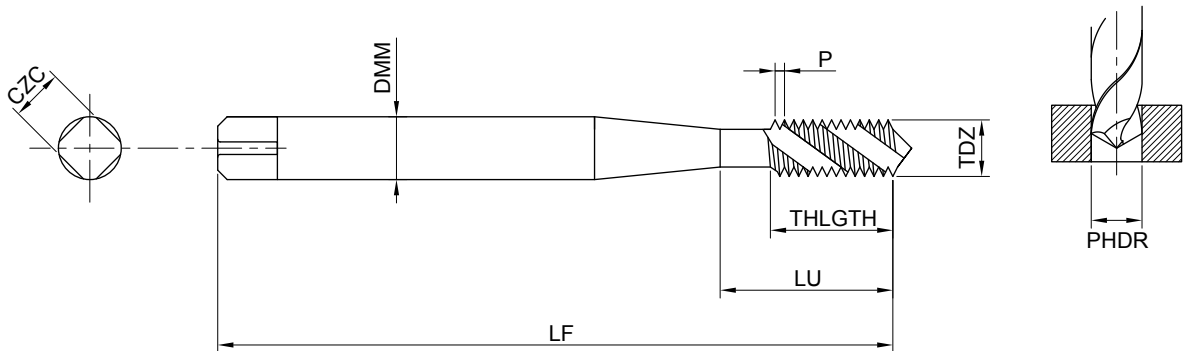
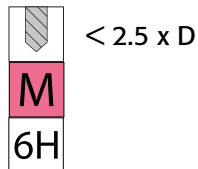
PARAMETRI DI TAGLIO INDICATIVI / SUGGESTED CUTTING PARAMETERS

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	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

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Scanalature forte torsione/Strong twisting grooves

Per fori ciechi/For blind holes



DIN 371 ≤ M10 gambo rinforzato/DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M 4	0,70	63	7,5	21	4,5	3,4	3,3	N51-M4-V-GE	●
M 5	0,80	70	8,5	25	6	4,9	4,2	N51-M5-V-GE	●
M 6	1,00	80	11	30	6	4,9	5	N51-M6-V-GE	●
M 8	1,25	90	14	35	8	6,2	6,8	N51-M8-V-GE	●
M 10	1,50	100	16	39	10	8	8,5	N51-M10-V-GE	●
M 12	1,75	110	18,5	49	9	7	10,2	N52-M12-V-GE	●
M 14	2,00	110	20	53	11	9	12	N52-M14-V-GE	●
M 16	2,00	110	20	54	12	9	14	N52-M16-V-GE	●
M 18	2,50	125	25	62	14	11	15,5	N52-M18-V-GE	●
M 20	2,50	140	25	62	16	12	17,5	N52-M20-V-GE	●
M 22	2,50	140	27	65	18	14,5	18,5	N52-M22-V-GE	○
M 24	3,00	160	30	79	18	14,5	21	N52-M24-V-GE	●
M 27	3,00	160	30	79	20	16	24	N52-M27-V-GE	○
M 30	3,50	180	35	85	22	18	26,5	N52-M30-V-GE	●

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

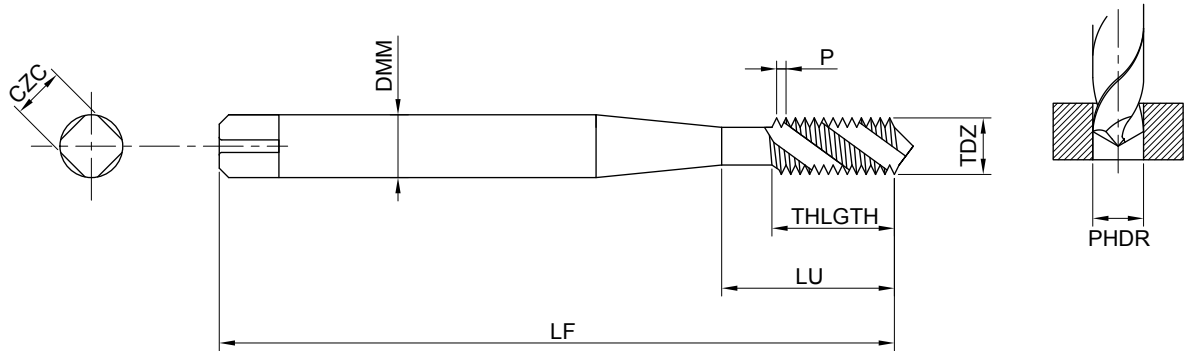
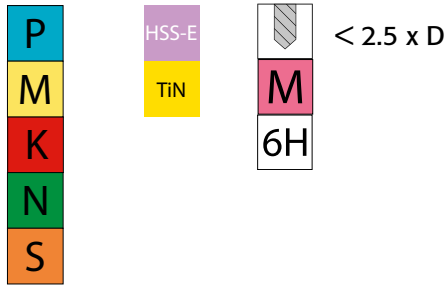
MATERIALI Materials	ACCIAI Alloy steels			INOX SS			GHISA Cast iron		ALLUMINIO Aluminium		TITANIO Titanium	SUPERLEGHE FE/NI/CO Superalloy Fe/Ni/Co	
	< 700 N/mm ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min	14	12	10	4	6	5	15	18	20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

XTAP NS1-T-GE

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Scanalature forte torsione/Strong twisting grooves

Per fori ciechi/For blind holes



DIN 371 ≤ M10 gambo rinforzato/DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M 4	0,70	63	7,5	21	4,5	3,4	3,3	N51-M4-T-GE	●
M 5	0,80	70	8,5	25	6	4,9	4,2	N51-M5-T-GE	●
M 6	1,00	80	11	30	6	4,9	5	N51-M6-T-GE	●
M 8	1,25	90	14	35	8	6,2	6,8	N51-M8-T-GE	●
M 10	1,50	100	16	39	10	8	8,5	N51-M10-T-GE	●
M 12	1,75	110	18,5	49	9	7	10,2	N52-M12-T-GE	●
M 14	2,00	110	20	53	11	9	12	N52-M14-T-GE	●
M 16	2,00	110	20	54	12	9	14	N52-M16-T-GE	●
M 20	2,50	140	25	62	16	12	17,5	N52-M20-T-GE	●
M 22	2,50	140	27	65	18	14,5	18,5	N52-M22-T-GE	●
M 24	3,00	160	30	79	18	14,5	21	N52-M24-T-GE	●

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

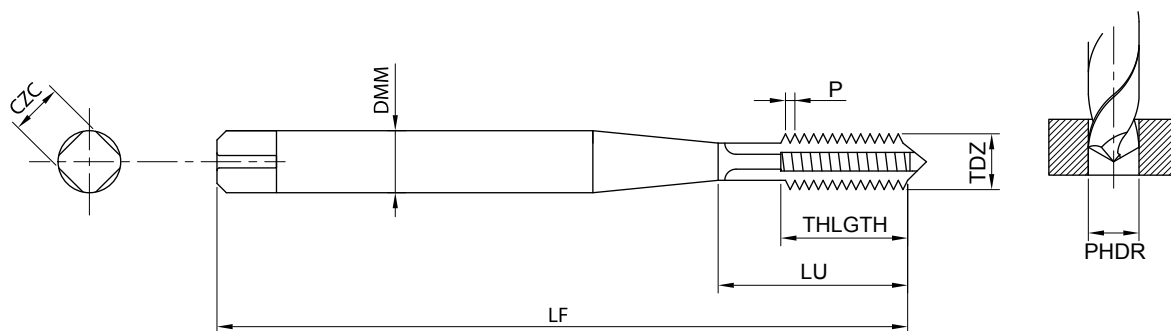
PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

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

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Scanalature dritte imbocco corretto/Straight grooves right inlet

Per fori passanti/For through holes



DIN 371 ≤ M10 gambo rinforzato/DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M 4	0,70	63	12	21	4,5	3,4	3,3	N31-M4-V-GE	●
M 5	0,80	70	14	25	6	4,9	4,2	N31-M5-V-GE	●
M 6	1,00	80	16	30	6	4,9	5	N31-M6-V-GE	●
M 8	1,25	90	17	35	8	6,2	6,8	N31-M8-V-GE	●
M 10	1,50	100	20	39	10	8	8,5	N31-M10-V-GE	●
M 12	1,75	110	24	49	9	7	10,2	N32-M12-V-GE	●
M 14	2,00	110	26	53	11	9	12	N32-M14-V-GE	●
M 16	2,00	110	26	54	12	9	14	N32-M16-V-GE	●
M 18	2,50	125	30	62	14	11	15,5	N32-M18-V-GE	●
M 20	2,50	140	32	62	16	12	17,5	N32-M20-V-GE	●
M 22	2,50	140	36	79	18	14,5	19,5	N32-M22-V-GE	●
M 24	3,00	160	36	79	18	14,5	21	N32-M24-V-GE	●
M 27	3,00	160	38	82	20	16	24	N32-M27-V-GE	○
M 30	3,50	180	40	85	22	18	26,5	N32-M30-V-GE	●

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min	16	14	11	5	6	5	19	21	19	14			

XTAP N31-PM-T-GT

ALTE PRESTAZIONI

HIGH PERFORMANCE

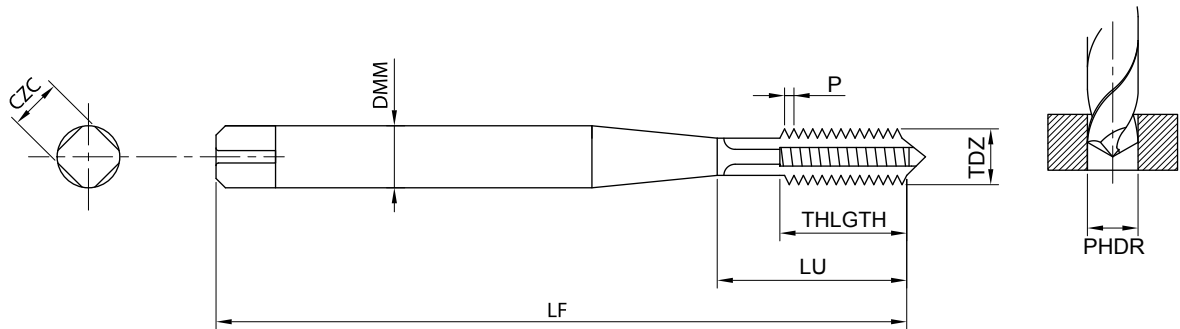
Scanalature dritte imbocco corretto/Straight grooves right inlet

Per fori passanti/For through holes



< 2.5 x D

SINTERIZZATO
SINTERED



DIN 371 ≤ M10 gambo rinforzato/DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M 4	0,70	63	12	21	4,5	3,4	3,3	N31-PM-M4-T-GT	●
M 5	0,80	70	14	25	6	4,9	4,2	N31-PM-M5-T-GT	●
M 6	1,00	80	16	30	6	4,9	5	N31-PM-M6-T-GT	●
M 8	1,25	90	17	35	8	6,2	6,8	N31-PM-M8-T-GT	●
M 10	1,50	100	20	39	10	8	8,5	N31-PM-M10-T-GT	○
M 12	1,75	110	24	49	9	7	10,2	N32-PM-M12-T-GT	●
M 14	2,00	110	26	53	11	9	12	N32-PM-M14-T-GT	○
M 16	2,00	110	26	54	12	9	14	N32-PM-M16-T-GT	●
M 18	2,50	125	30	62	14	11	15,5	N32-PM-M18-T-GT	○
M 20	2,50	140	32	62	16	12	17,5	N32-PM-M20-T-GT	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min	18	16	14	7	8	6	22	20	30	20			

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Maschi a macchina per filettatura metrica ISO/Taps for ISO metric thread

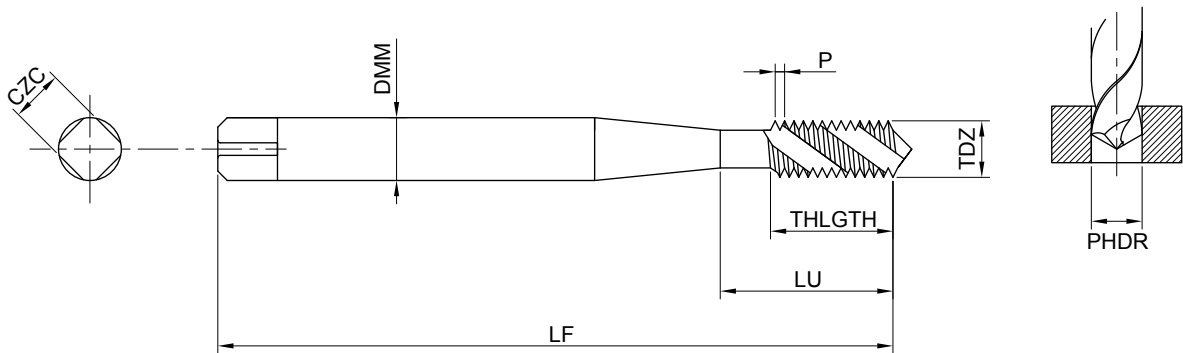
Per fori ciechi/For blind holes

N

HSS-E

M
6H

< 2.5 x D



DIN 371 ≤ M10 gambo rinforzato/DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M 3	0,50	56	6,0	18	3,5	2,7	2,5	A41-M3-GE	●
M 4	0,70	63	7,5	21	4,5	3,4	3,3	A41-M4-GE	●
M 5	0,80	70	8,5	25	6,0	4,9	4,2	A41-M5-GE	●
M 6	1,00	80	11,0	30	6,0	4,9	5,0	A41-M6-GE	●
M 8	1,25	90	14,0	35	8,0	6,2	6,8	A41-M8-GE	○
M 10	1,50	100	16,0	39	10,0	8,0	8,5	A41-M10-GE	●
M 12	1,75	110	18,5	49	9,0	7,0	10,2	A42-M12-GE	○
M 16	2,00	110	20,0	54	12,0	9,0	14,0	A42-M16-GE	●
M 20	2,50	140	25,0	62	16,0	12,0	17,5	A42-M20-GE	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min									15	15			

UNIVERSALE UNIVERSAL

Maschi a macchina per filettatura metrica ISO/Taps for ISO metric thread

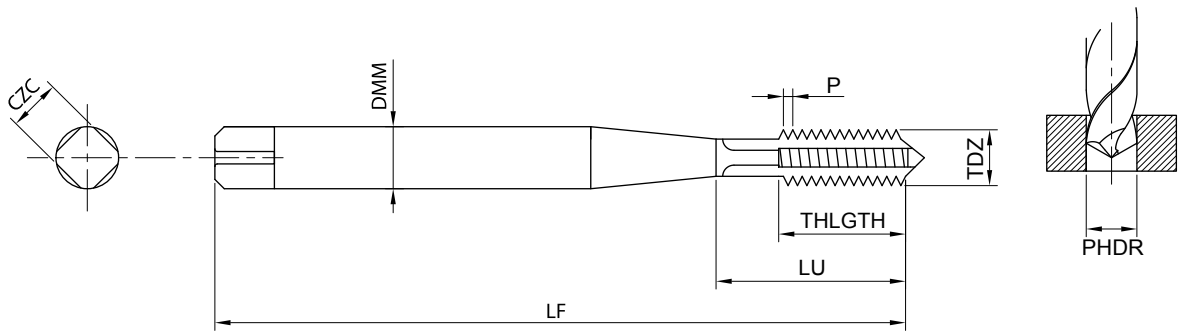
Per fori passanti/For through holes

N

HSS-E

M
6H

< 2.5 x D



DIN 371 ≤ M10 gambo rinforzato/DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M 3	0,50	56	10	18	3,5	2,7	2,5	A31-M3-GE	●
M 4	0,70	63	12	21	4,5	3,4	3,3	A31-M4-GE	●
M 5	0,80	70	14	25	6,0	4,9	4,2	A31-M5-GE	●
M 6	1,00	80	16	30	6,0	4,9	5,0	A31-M6-GE	●
M 8	1,25	90	17	35	8,0	6,2	6,8	A31-M8-GE	○
M 10	1,50	100	20	39	10,0	8,0	8,5	A31-M10-GE	●
M 12	1,75	110	24	49	9,0	7,0	10,2	A32-M12-GE	○
M 16	2,00	110	26	54	12,0	9,0	14,0	A32-M16-GE	●
M 20	2,50	140	32	62	16,0	12,0	17,5	A32-M20-GE	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

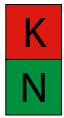
PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min									15	15			

ALTE PRESTAZIONI HIGH PERFORMANCE

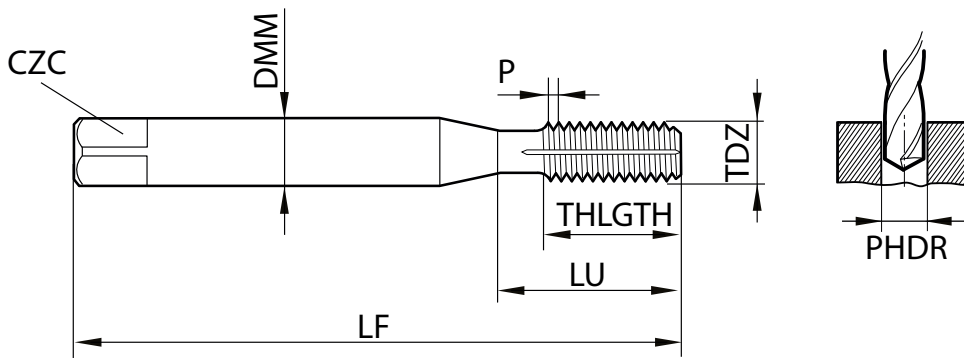
Maschi a macchina per filettatura metrica ISO/Taps for ISO metric thread

Per fori ciechi e passanti/For through and blind holes



< 2.5 x D

**METALLO DURO
HARD METAL**



DIN 371 ≤ M10 gambo rinforzato/DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M 4	0,70	63	10	21	4,5	3,4	3,3	G31-M4-FLA-GE	●
M 5	0,80	70	10	25	6,0	4,9	4,2	G31-M5-FLA-GE	●
M 6	1,00	80	12	30	6,0	4,9	5,0	G31-M6-FLA-GE	●
M 8	1,25	90	16	35	8,0	6,2	6,8	G31-M8-FLA-GE	●
M 10	1,50	100	18	39	10,0	8,0	8,5	G31-M10-FLA-GE	○
M 12	1,75	110	24	49	9,0	7,0	10,2	G32-M12-FLA-GE	●
M 16	2,00	110	26	54	12,0	9,0	14,0	G32-M16-FLA-GE	○
M 20	2,50	140	32	62	16,0	12,0	17,5	G32-M20-FLA-GE	●

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min							30	35	50	50			

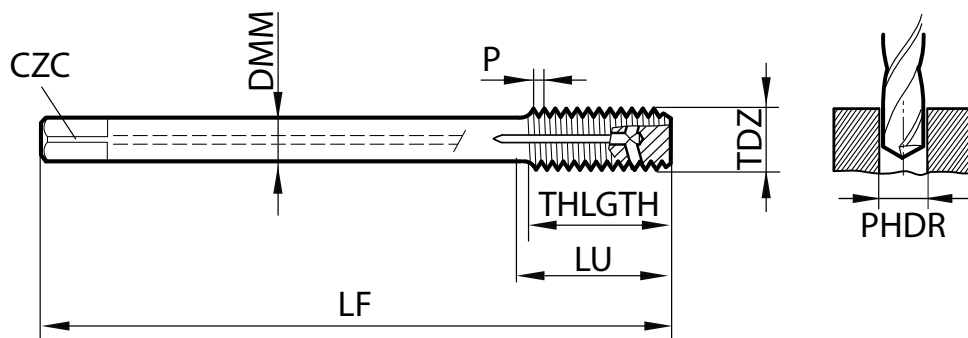
XTAP N73-FLR TC PX

ALTE PRESTAZIONI

HIGH PERFORMANCE

Maschio a rullare metrico con fori sui fianchi/Oil feed fluteless taps ISO metric threads with holes on the sides

Per fori ciechi e passanti/For blind and through holes



DIN 371 ≤ M10 gambo rinforzato/ DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M5	0,80	70	8.500	25.000	6.000	4.900	4.65	N73-M5-FLR TC PX	○
M6	1,00	80	11.000	30.000	6.000	4.900	5.55	N73-M6-FLR TC PX	○
M8	1,25	90	14.000	35.000	8.000	6.200	7.40	N73-M8-FLR TC PX	○
M10	1,50	100	16.000	39.000	10.000	8.000	9.30	N73-M10FLR TC PX	○
M12	1,75	110	18.500	49.000	9.000	7.000	11.20	N78-M12-FLR TC PX	○
M14	2,00	110	20.000	53.000	11.000	9.000	13.10	N78-M14-FLR TC PX	○
M16	2,00	110	20.000	54.000	12.000	9.000	15.10	N78-M16-FLR TC PX	○
M20	2,50	140	25.000	62.000	16.000	12.000	18.90	N78-M20-FLR TC PX	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

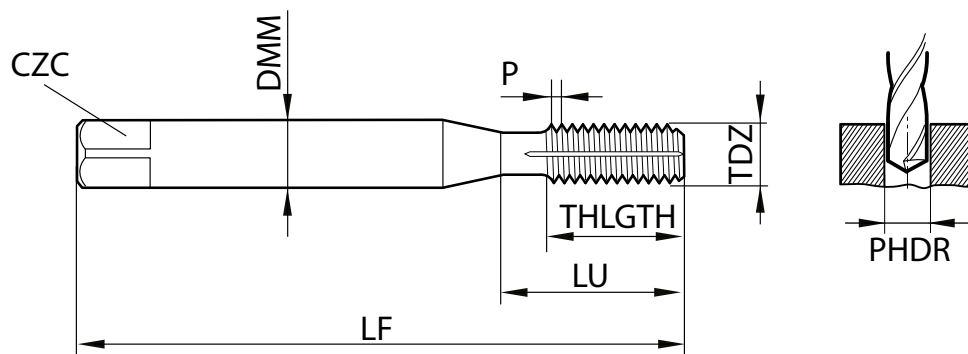
MATERIALI Materials	ACCIAI Alloy steels			INOX SS			GHISA Cast iron		ALLUMINIO Aluminium		TITANIO Titanium	SUPERLEGHE FE/NI/CO Superalloy Fe/Ni/Co	
	< 700 N/mm ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min	25	25	15	10	15	6	25	30	30	20	8	6	6

ALTE PRESTAZIONI

HIGH PERFORMANCE

Maschio a rullare metrico/Fluteless machine taps for ISO metric threads

Per fori ciechi e passanti/For blind and through holes



DIN 371 ≤ M10 gambo rinforzato/ DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M1	0,25	40	4,0	-	2,5	2,10	0,90	N61-M1-TC-PX	○
M1,2	0,25	40	4,8	-	2,5	2,10	1,10	N61-M1,2-TC-PX	○
M1,4	0,30	40	5,6	-	2,5	2,10	1,25	N61-M1,4-TC-PX	○
M1,6	0,35	40	6,4	-	2,5	2,10	1,45	N61-M1,6-TC-PX	○
M1,7	0,35	40	6,8	-	2,5	2,10	1,55	N61-M1,7-TC-PX	○
M1,8	0,35	40	7,3	-	2,5	2,10	1,65	N61-M1,8-TC-PX	○
M2	0,40	45	8,0	13,5	2,8	2,10	1,85	N61-M2-TC-PX	○
M2,5	0,45	50	9,0	14,5	2,8	2,10	2,30	N61-M2,5-TC-PX	○
M3	0,50	56	10,0	18	3,5	2,70	2,80	N61-M3-TC-PX	○
M4	0,70	63	12,0	21	4,5	3,40	3,70	N61-M4-TC-PX	○
M5	0,80	70	14,0	25	6	4,90	4,65	N61-M5-TC-PX	○
M6	1,00	80	16,0	30	6	4,90	5,55	N61-M6-TC-PX	○
M8	1,25	90	17,0	35	8	6,20	7,40	N61-M8-TC-PX	○
M10	1,50	100	20,0	39	10	8,00	9,30	N61-M10-TC-PX	○
M12	1,75	110	24,0	49	9	7,00	11,20	N62-M12-TC-PX	○
M14	2,00	110	26,0	53	11	9,00	13,10	N62-M14-TC-PX	○
M16	2,00	110	26,0	54	12	9,00	15,10	N62-M16-TC-PX	○
M20	2,50	140	32,0	62	16	12,00	18,90	N62-M20-TC-PX	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
m/min	25	20	12	10	15	6	25	30	30	20	8	6	6

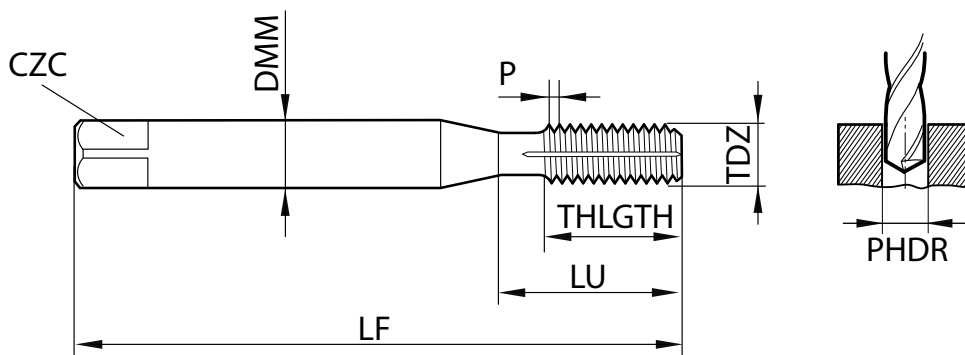
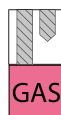
XTAP N67-TC-PX

ALTE PRESTAZIONI

HIGH PERFORMANCE

Maschio a rullare GAS/Fluteless machine taps for BSP-threads

Per fori ciechi e passanti/For blind and through holes



DIN 2189

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
G1/8	28	90	18	35	7	5,50	9,30	N67-G1/8-TC-PX	○
G1/4	19	100	20	40	11	9,00	12,50	N67-G1/4-TC-PX	○
G3/8	19	100	22	44	12	9,00	16,00	N67-G3/8-TC-PX	○
G1/2	14	125	25	44	16	12,00	20,00	N67-G1/2-TC-PX	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

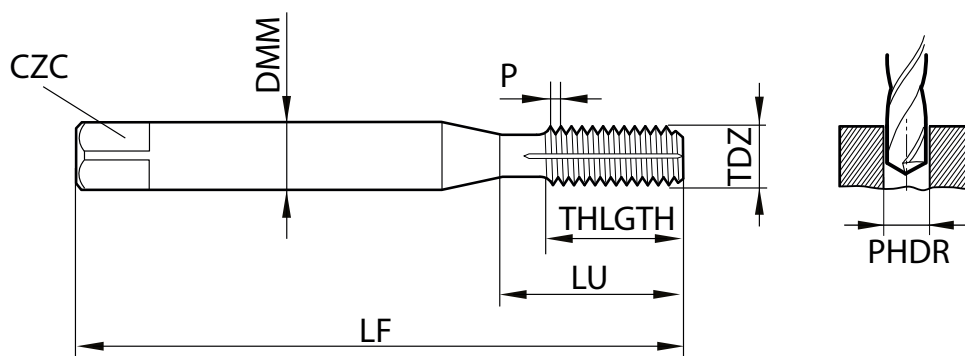
PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min	25	20	12	10	15	6	25	30	30	20	8	6	6

ALTE PRESTAZIONI HIGH PERFORMANCE

Maschio a rullare metrico fine/Fluteless machine taps DIN 374

Per fori ciechi e passanti/For blind and through holes



DIN 374

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M8	1,00	90	16	35	6	4,90	7,55	N68-M8X1-TC-PX	○
M10	1,00	90	16	35	7	5,50	9,55	N68-M10X1-TC-PX	○
M10	1,25	100	20	39	7	5,50	9,40	N68-M10X1,25-TC-PX	○
M12	1,25	100	20	40	9	7,00	11,40	N68-M12X1,25-TC-PX	○
M12	1,50	100	20	40	9	7,00	11,30	N68-M12X1,5-TC-PX	○
M14	1,25	100	20	40	11	9,00	13,40	N68-M14X1,25-TC-PX	○
M14	1,50	100	20	40	11	9,00	13,30	N68-M14X1,5-TC-PX	○
M16	1,50	100	22	44	12	9,00	15,30	N68-M16X1,5-TC-PX	○
M20	1,50	125	25	44	16	12,00	19,30	N68-M20X1,5-TC-PX	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
V m/min	25	20	12	10	15	6	25	30	30	20	8	6	6

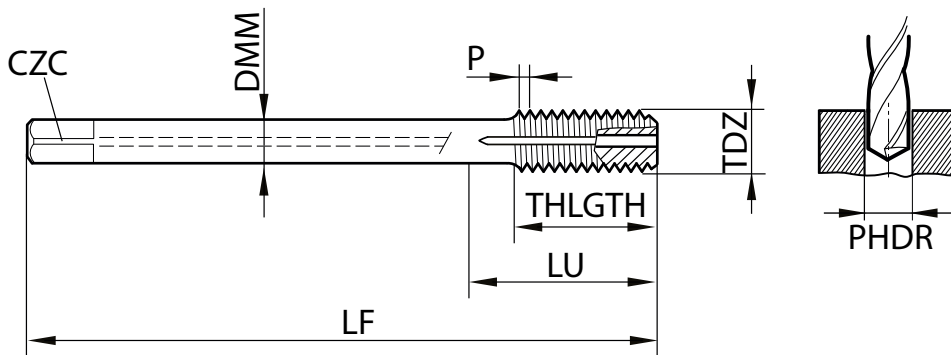
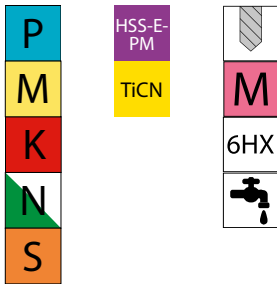
XTAP N93-FLA-TC-PX

ALTE PRESTAZIONI

HIGH PERFORMANCE

Maschio a rullare metrico con foro centrale/Fluteless machine taps DIN 371/DIN 376

Per fori ciechi/For blind holes



DIN 371 ≤ M10 gambo rinforzato/ DIN 376 ≥ M12 gambo passante

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M5	0,80	70	8,5	25	6	4,9	4,65	N93-FLA-M5-TC-PX	○
M6	1,00	80	11,0	30	6	4,9	5,55	N93-FLA-M6-TC-PX	○
M8	1,25	90	14,0	35	8	6,2	7,40	N93-FLA-M8-TC-PX	○
M10	1,50	100	16,0	39	10	8,0	9,30	N93-FLA-M10-TC-PX	○
M12	1,75	110	18,5	49	9	7,0	11,20	N96-FLA-M12-TC-PX	○
M14	2,00	110	20,0	53	11	9,0	13,10	N96-FLA-M14-TC-PX	○
M16	2,00	110	20,0	54	12	9,0	15,10	N96-FLA-M16-TC-PX	○
M20	2,50	140	25,0	62	16	12,0	18,90	N96-FLA-M20-TC-PX	○

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

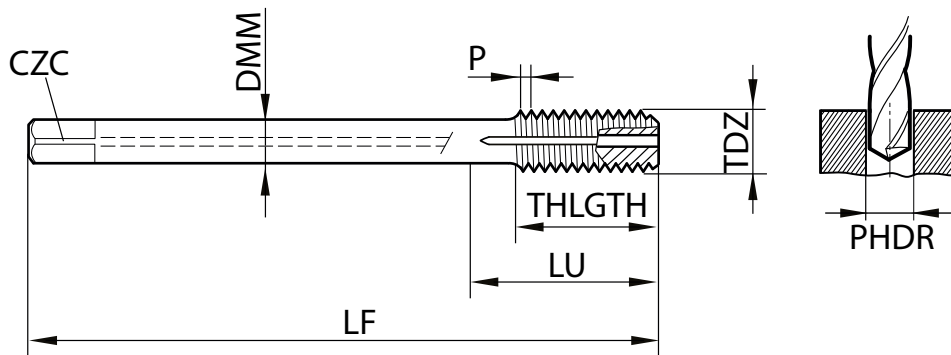
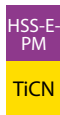
PARAMETRI DI TAGLIO INDICATIVI/SUGGESTED CUTTING PARAMETERS

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
m/min	25	20	12	10	15	6	25	30	30	20	8	6	6

ALTE PRESTAZIONI HIGH PERFORMANCE

Maschio a rullare metrico fine con foro centrale/Fluteless machine taps DIN 374

Per fori ciechi/For blind holes



DIN 374

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M8	1,00	90	11	35	6	4,9	7,55	N93-FLA-M8X1-TC-PX	○
M10	1,00	90	11	35	7	5,5	9,55	N93-FLA-M10X1-TC-PX	○
M10	1,25	100	14	39	7	5,5	9,40	N93-FLA-M10X1,25-TC-PX	○
M12	1,25	100	16	40	9	7,0	11,40	N96-FLA-M12X1,25-TC-PX	○
M12	1,50	100	16	40	9	7,0	11,30	N96-FLA-M12X1,5-TC-PX	○
M14	1,25	100	15	40	11	9,0	13,40	N96-FLA-M14X1,25-TC-PX	○
M14	1,50	100	15	40	11	9,0	13,30	N96-FLA-M14X1,5-TC-PX	○
M16	1,50	100	15	44	12	9,0	15,30	N96-FLA-M16X1,5-TC-PX	○
M20	1,50	125	16	44	16	12,0	19,30	N96-FLA-M20X1,5-TC-PX	○

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
m/min	25	20	12	10	15	6	25	30	30	20	8	6	6

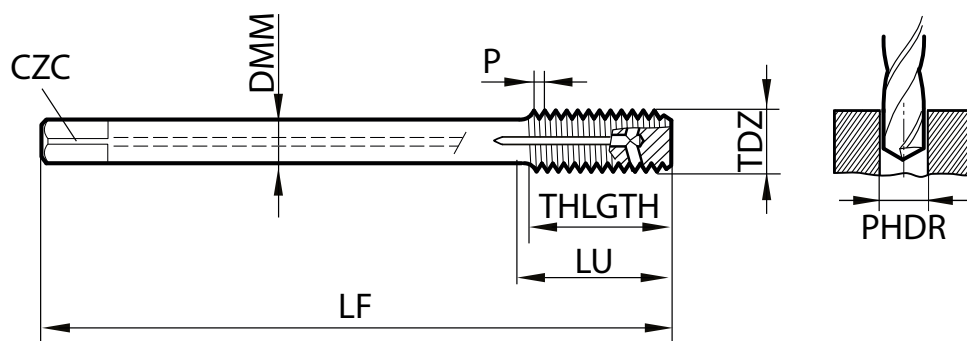
XTAP N73-FLR-TC-PX

ALTE PRESTAZIONI

HIGH PERFORMANCE

Maschio a rullare metrico fine con fori sui fianchi/Oil feed fluteless taps ISO metric fine threads

Per fori ciechi e passanti/For blind and through holes



DIN 374

TDZ	Passo Screw pitch	LF	THLGTH	LU	DMM	CZC	PHDR ø hole	CODICE CODE	
M8	1,00	90	11	35	6	4,9	7,55	N73-FLR-M8X1-TC-PX	○
M10	1,00	90	11	35	7	5,5	9,55	N73-FLR-M10X1-TC-PX	○
M10	1,25	100	14	39	7	5,5	9,40	N73-FLR-M10X1,25-TC-PX	○
M12	1,25	100	16	40	9	7,0	11,40	N78-FLR-M12X1,25-TC-PX	○
M12	1,50	100	16	40	9	7,0	11,30	N78-FLR-M12X1,5-TC-PX	○
M14	1,25	100	15	40	11	9,0	13,40	N78-FLR-M14X1,25-TC-PX	○
M14	1,50	100	15	40	11	9,0	13,30	N78-FLR-M14X1,5-TC-PX	○
M16	1,50	100	15	44	12	9,0	15,30	N78-FLR-M16X1,5-TC-PX	○
M20	1,50	125	16	44	16	12,0	19,30	N78-FLR-M20X1,5-TC-PX	○

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 ²	< 1000 N/mm ²	< 1400 N/mm ²	Martensitici	Austenitici	Duplex	GGG	GS	<8% Si	>8% Si	Ti6Al4V	< 30 HRC	> 30 HRC
m/min	25	20	12	10	15	6	25	30	30	20	8	6	6