

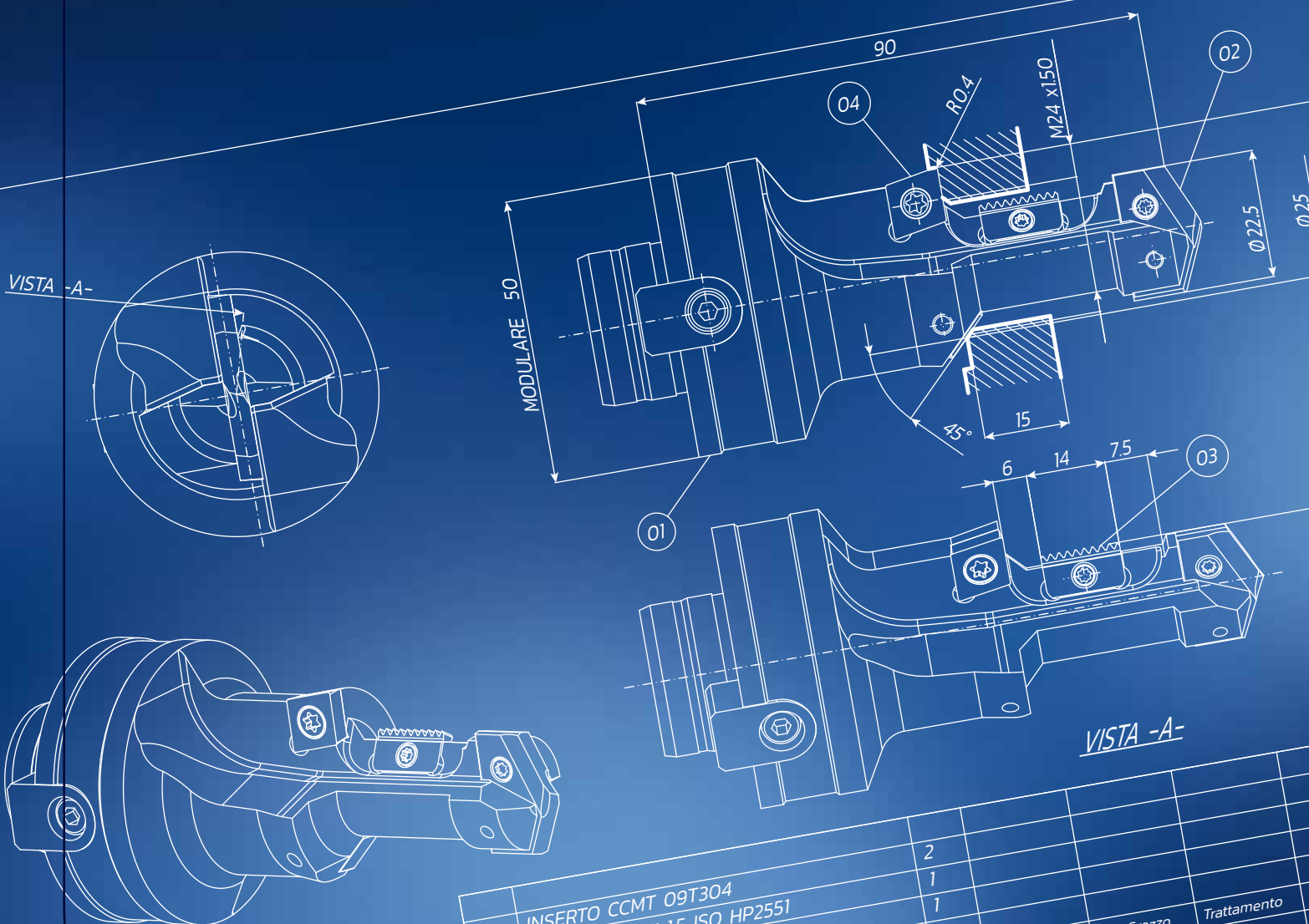
FILETTATURA

THREADING



FILETTATURA SPECIALE

SPECIAL THREADING



Pos.	Descrizione	Quant.	Materiale	Dim. Grezzo	Trattamento
4	INSERTO CCMT 09T304	2			
3	INSERTO TM14I 1.5 ISO HP2551	1			
2	CUSPIDE Ø22.50	1			
1	CORPO PUNTA	1			
rif. 2192		mat. da lavorare		sostituito da	scala 1/1
RIECO costruzione utensili		dis. D.Zanella		data 13.06.2016	
		Denominazione PUNTA Ø22.5 + M24x1.5 + LAMATURA Ø36 + SMUSSO			

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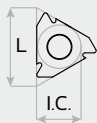
FWBCR

frese a filettare in metallo duro |
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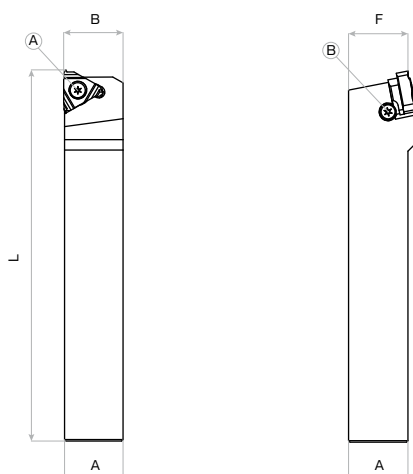
E 15

UTENSILI DI FILETTATURA | THREADING TOOLS

IDENTIFICAZIONE UTENSILE | THREADING TOOLHOLDERS CODES

UINF	E	20 20	16	M	R
	↓	↓	↓	↓	↓
	E = Esterno / External I = Interno / Internal	Utensili esterni External toolholders 2020 = 20mm x 20mm Utensili interni Internal toolholders 2016 = Ø 20mm ridotto/ reduced Ø 16 mm	 L I.C. 11 1/4" 16 3/8" 22 1/2"	M = Maggiorato / Plus	R = Destro / Right

FILETTATURA ESTERNA | EXTERNAL THREADING



UINFE

utensili a filettare esterni | external threading toolholders

	DIMENSIONI - DIMENSIONS			INSERT	PARTI DI RICAMBIO - SPARE PARTS			ACCESSORIES
	A=F	B	L		A	B		
UINFE101011R*	10	11	100	11ER	RUV0280	-	-	RFE0010
UINFE121211R*	12	12	125	11ER	RUV0280	-	-	RFE0010
UINFE121216R	12	16	80	16ER	RUV0271	RUV0286	RUA0176	RFE0012
UINFE161616R	16	16	100	16ER	RUV0271	RUV0286	RUA0176	RFE0012
UINFE202016R	20	20	125	16ER	RUV0271	RUV0286	RUA0176	RFE0012
UINFE252516R	25	25	150	16ER	RUV0271	RUV0286	RUA0176	RFE0012
UINFE323216R	32	32	170	16ER	RUV0271	RUV0286	RUA0176	RFE0012
UINFE252522R	25	25	150	22ER	RUV0277	RUV0159	RUA0179	RFE0015
UINFE323222R	32	32	170	22ER	RUV0277	RUV0159	RUA0179	RFE0015
UINFE404022R	40	40	200	22ER	RUV0277	RUV0159	RUA0179	RFE0015
UINFE202016MR**	20	20	125	16ERM	RUV0271	RUV0286	RUA0176	RFE0012
UINFE252516MR**	25	25	150	16ERM	RUV0271	RUV0286	RUA0176	RFE0012
UINFE323222MR**	32	32	170	22ERM	RUV0277	RUV0159	RUA0179	RFE0015
UINFE404022MR**	40	40	200	22ERM	RUV0277	RUV0159	RUA0179	RFE0015

* senza sottopiacchetta - without shim

** per inserti maggiorati - for higher inserts

ATTENZIONE

Gli utensili sono costruiti con un angolo di elica pari a 1.5°, per gli altri angoli vedi pag E 6.

ATTENTION

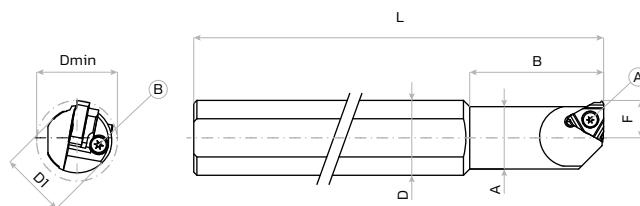
Tools are produced with a 1.5° helix angle; see other types of helix at pg. E 6.

NOTE

Specifiche dei componenti di ricambio in sezione I - ricambi.
Per inserti vedi sezione H - inserti.

Complete list of spare parts at section I - spare parts.
For inserts see section H - inserts.

FILETTATURA INTERNA | INTERNAL THREADING



UINFI

utensili a filettare interni | internal toolholders

	DIMENSIONI - DIMENSIONS							INSERT	PARTI DI RICAMBIO - SPARE PARTS			ACCESSORIES
	D	D1	Dmin	F	A	B	L		A	B		
UINFI161011R*	16	12	12	7,4	10	25	125	11IR	RUV0280	-	-	RFE0010
UINFI161311R*	16	15	15	8,9	13	32	140	11IR	RUV0280	-	-	RFE0010
UINFI201616R	20	19	19	11,7	16	40	170	16IR	RUV0271	RUV0286	RUA0183	RFE0012
UINFI202016R	20	24	24	13,7	20	-	170	16IR	RUV0271	RUV0286	RUA0183	RFE0012
UINFI252516R	25	29	29	16,2	25	-	200	16IR	RUV0271	RUV0286	RUA0183	RFE0012
UINFI323216R	32	36	36	19,7	32	-	250	16IR	RUV0271	RUV0286	RUA0183	RFE0012
UINFI404016R	40	44	44	23,7	40	-	300	16IR	RUV0271	RUV0286	RUA0183	RFE0012
UINFI252522R	25	29	29	18,1	25	-	200	22IR	RUV0277	RUV0159	RUA0192	RFE0015
UINFI323222R	32	38	38	21,6	32	-	250	22IR	RUV0277	RUV0159	RUA0192	RFE0015
UINFI404022R	40	46	46	25,6	40	-	300	22IR	RUV0277	RUV0159	RUA0192	RFE0015
UINFI505022R	50	56	56	30,6	50	-	350	22IR	RUV0277	RUV0159	RUA0192	RFE0015
UINFI202016MR**	20	24	24	13,7	20	-	170	16IRM	RUV0271	RUV0286	RUA0183	RFE0012
UINFI252516MR**	25	29	29	16,2	25	-	200	16IRM	RUV0271	RUV0286	RUA0183	RFE0012
UINFI323216MR**	32	36	36	19,7	32	-	250	16IRM	RUV0271	RUV0286	RUA0183	RFE0012
UINFI252522MR**	25	29	29	18,1	25	-	200	22IRM	RUV0277	RUV0159	RUA0192	RFE0015
UINFI323222MR**	32	38	38	21,6	32	-	250	22IRM	RUV0277	RUV0159	RUA0192	RFE0015
UINFI404022MR**	40	46	46	25,7	40	-	300	22IRM	RUV0277	RUV0159	RUA0192	RFE0015
UINFI505022MR**	50	56	56	30,6	50	-	350	22IRM	RUV0277	RUV0159	RUA0192	RFE0015

* senza sottopiacchetta - without shim

** per inserti maggiorati - for higher inserts

ATTENZIONE

Gli utensili sono costruiti con un angolo di elica pari a 1,5°, per gli altri angoli vedi pag E 6.

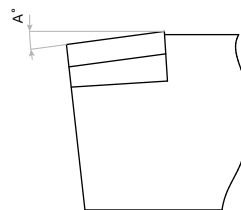
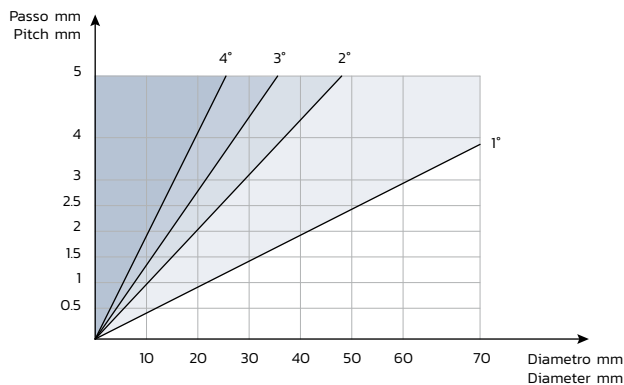
ATTENTION

Tools are produced with a 1.5° helix angle; see other types of helix at pg. E 6.

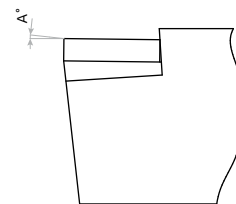
NOTE

Specifiche dei componenti di ricambio in sezione I - ricambi.
Per inserti vedi sezione H - inserti.

Complete list of spare parts at section I - spare parts.
For inserts see section H - inserts.



Elica positiva
Positive Helix



Elica negativa
Negative Helix

Gli utensili sono costruiti con un angolo di elica pari a 1.5°, questo angolo può essere aggiustato sostituendo il supporto sotto l'inserto.

Toolholders are made with a 1.5° helix angle; this angle can be adjusted by simply changing the shim.

RUA

supporti standard e inclinati | standard and oblique anvils

INSERT	A°						
	4.5°	3.5°	2.5°	1.5° standard	0.5°	-0.5°	-1.5°
16 EXT	RUA0193	RUA0197	RUA0201	RUA0176	RUA0205	RUA0209	RUA0213
16 INT	RUA0194	RUA0198	RUA0202	RUA0183	RUA0206	RUA0210	RUA0214
22 EXT	RUA0195	RUA0199	RUA0203	RUA0179	RUA0207	RUA0211	RUA0215
22 INT	RUA0196	RUA0200	RUA0204	RUA0192	RUA0208	RUA0212	RUA0216

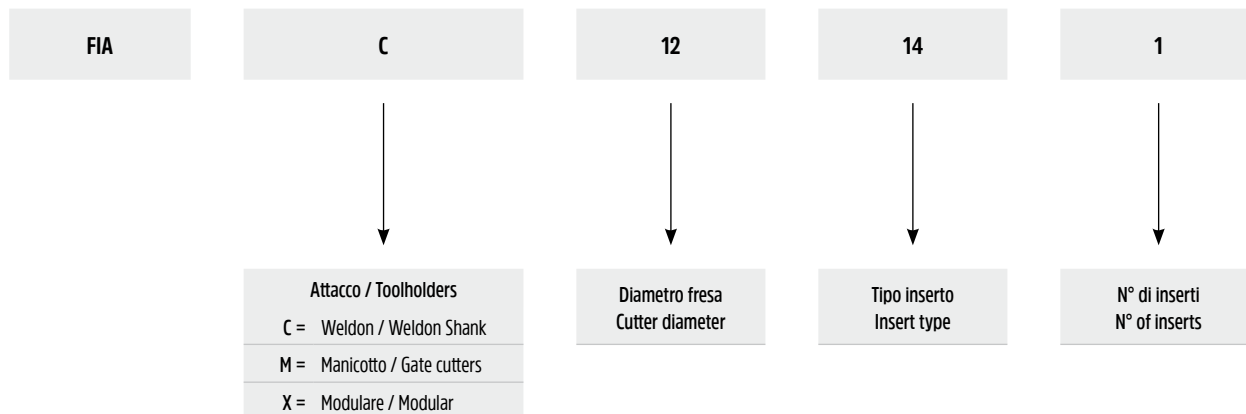
NOTE

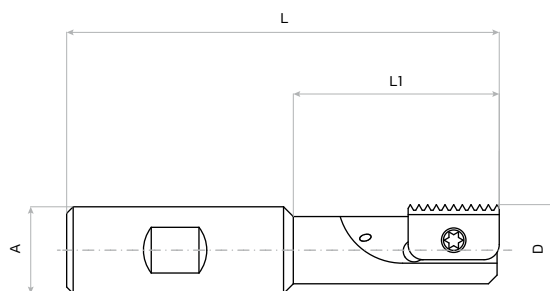
Specifiche dei componenti di ricambio in sezione I - ricambi.
Per inserti vedi sezione H - inserti.

Complete list of spare parts at section I - spare parts.
For inserts see section H - inserts.

FRESE AD INSERTI PER FILETTATURA | MILL-THREAD TOOLHOLDERS

IDENTIFICAZIONE FRESE AD INSERTI | MILL-THREAD TOOLHOLDERS CODES

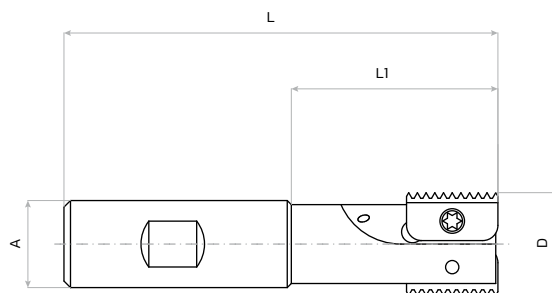




FIAC

frese a filettare a inserto singolo | single insert toolholders

	DIMENSIONI - DIMENSIONS				INSERT	PARTI DI RICAMBIO - SPARE PARTS			ACCESSORIES
	D	A	L1	L					
FIAC12141	12	20	24	80	14	RFV0164	-	-	RFE0010
FIAC14141	14,5	20	30	90	14	RFV0164	-	-	RFE0010
FIAC17141	17	20	35	90	14	RFV0164	-	-	RFE0010
FIAC18211	18	20	35	90	21	RFV0167	-	-	RFE0014
FIAC21211	21	20	45	100	21	RFV0167	-	-	RFE0014
FIAC29301	29	25	58	120	30	RFV0168	-	-	RFE0007
FIAC48401	48	40	90	170	40	RFV0169	-	-	RFE0007



FIAC

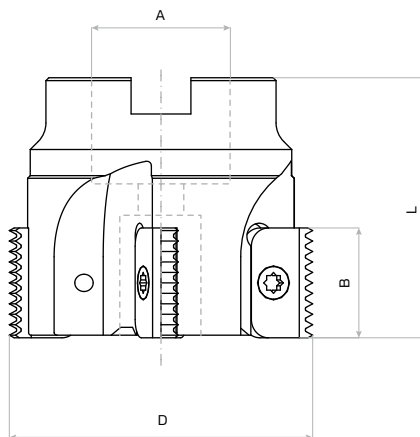
frese a filettare a doppio inserto | twin insert toolholders

	DIMENSIONI - DIMENSIONS				INSERT	PARTI DI RICAMBIO - SPARE PARTS			ACCESSORIES
	D	A	L1	L					
FIAC20142	20	20	48	106	14	RFV0164	-	-	RFE0010
FIAC30212	30	25	60	125	21	RFV0167	-	-	RFE0014
FIAC40302	40	32	80	150	30	RFV0168	-	-	RFE0007
FIAC50402	50	40	90	175	40	RFV0169	-	-	RFE0007

NOTE

Specifiche dei componenti di ricambio in sezione I - ricambi.
Per inserti vedi sezione H - inserti.

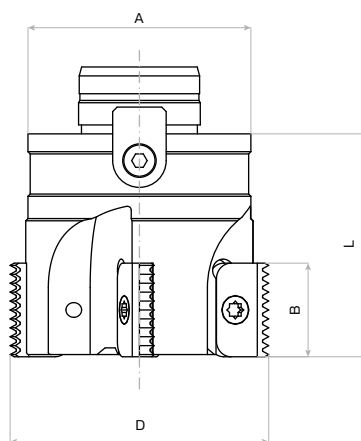
Complete list of spare parts at section I - spare parts.
For inserts see section H - inserts.



FIAM

frese a filettare multi inserto | multi insert toolholders

	DIMENSIONI - DIMENSIONS				INSERT	PARTI DI RICAMBIO - SPARE PARTS			ACCESSORIES
	D	A	L	Z					
FIAM63215	63	22	50	5	21	RFV0167	-	-	RFE0014
FIAM80304	80	27	55	4	30	RFV0168	-	-	RFE0007



FIAX

frese a filettare multi inserto | multi insert toolholders

	DIMENSIONI - DIMENSIONS				INSERT	PARTI DI RICAMBIO - SPARE PARTS			ACCESSORIES
	D	A	L	Z					
FIAX53144	53	50	50	4	14	RFV0164	RMH0001	-	RFE0010
FIAX58214	58	50	50	4	21	RFV0167	RMH0001	-	RFE0014
FIAX58304	58	50	50	4	30	RFV0168	RMH0001	-	RFE0007
FIAX70305	70	63	55	5	30	RFV0168	RMH0002	-	RFE0007
FIAX70405	70	63	65	5	40	RFV0169	RMH0002	-	RFE0007

ATTENZIONE

Per attacchi e prolunghe vedere sezione A - attrezzature modulari

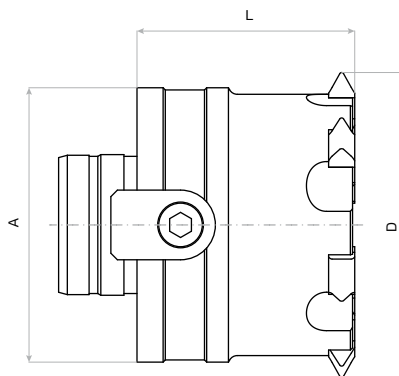
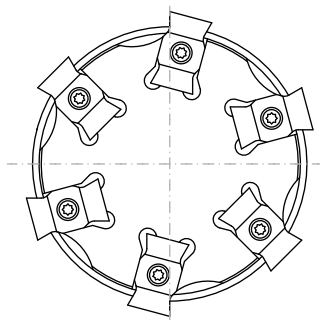
ATTENTION

For basic holders and extensions see section A - modular equipment.

NOTE

Specifiche dei componenti di ricambio in sezione I - ricambi.
Per inserti vedi sezione H - inserti.

Complete list of spare parts at section I - spare parts.
For inserts see section H - inserts.



FIAX

fresse a filettare multi inserto | multi insert toolholders

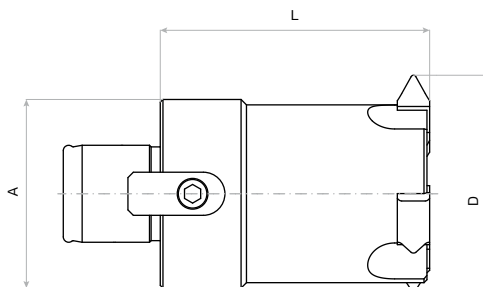
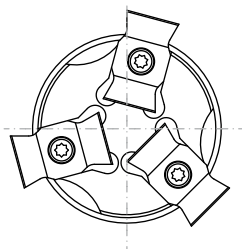
	DIMENSIONI - DIMENSIONS				INSERT	PARTI DI RICAMBIO - SPARE PARTS			ACCESSORIES
	D	A	L	Z					
FIAX55G25	55	50	40	5	G2	RFV0090	RMH0001	-	RFE0011
FIAX70G36	70	63	50	6	G3	RFV0091	RMH0002	-	RFE0014

ATTENZIONE

Per attacchi e prolunghe vedere sezione A - attrezzature modulari

ATTENTION

For basic holders and extensions see section A - modular equipment.



FIAX

fresse a filettare multi inserto | multi insert toolholders

	DIMENSIONI - DIMENSIONS				INSERT	PARTI DI RICAMBIO - SPARE PARTS			ACCESSORIES
	D	A	L	Z					
FIAX22G12	22	18	30	2	G1	RFV0162	RMH0012	-	RFE0010
FIAX34G23	34	28	40	3	G2	RFV0090	RMH0013	-	RFE0011
FIAX44G24	44	35	50	4	G2	RFV0090	RMH0013	-	RFE0011

ATTENZIONE

Per attacchi e prolunghe vedere sezione A - attrezzature modulari

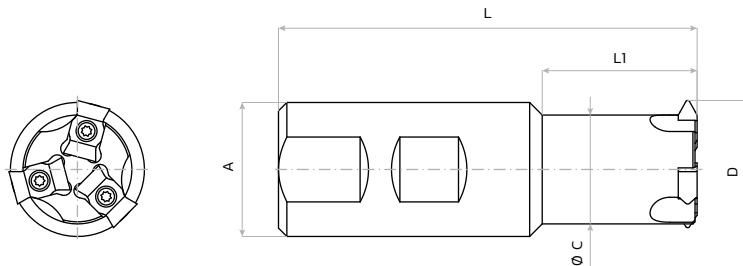
ATTENTION

For basic holders and extensions see section A - modular equipment.

NOTE

Specifiche dei componenti di ricambio in sezione I - ricambi.
Per inserti vedi sezione H - inserti.

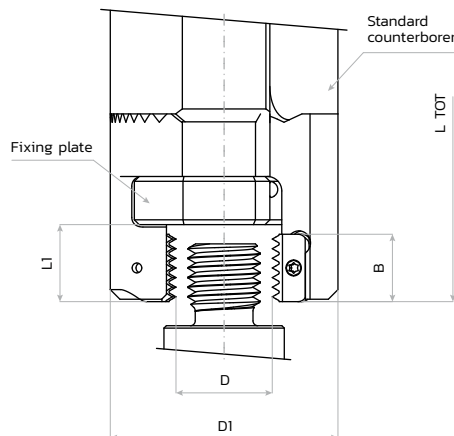
Complete list of spare parts at section I - spare parts.
For inserts see section H - inserts.



FIAC

frese a filettare multi inserto | multi insert toolholders

	DIMENSIONI - DIMENSIONS						INSERT	PARTI DI RICAMBIO - SPARE PARTS			ACCESSORIES
	D	A	ØC	L	L1	Z					
FIAC 20G12	20	20	15	113	60	2	G1	RFV0162	-	-	RFE0010
FIAC 33G23	33	32	26	160	96	3	G2	RFV0090	-	-	RFE0011
FIAC 40G33	40	40	29	196	120	3	G3	RFV0091	-	-	RFE0014



AMCATM

cartucce per allargatori AMAL | cartridges for AMAL boring tool

Le cartucce vengono sempre fornite in coppia - Pair supplied

	DIMENSIONI - DIMENSIONS						INSERT 	COUNTERBORE	SPARE PARTS 	ACCESSORIES 
	D		D1		L1	L TOT				
	min	max	min	max						
AMCATM142034	20	34	48	62	16	120	14	AMALM635171	RFV0164	RFE0010
AMCATM213252	32	52	60	80	25	128	21	AMALM636491	RFV0167	RFE0014
AMCATM305077	50	77	78	105	34	140	30	AMALM8083124	RFV0168	RFE0007

Queste cartucce vengono montate su allargatori standard AMAL (vedi sezione A-modulare, pag A 26-27)

These cartridges are installed on our AML (see section A-modular equipment, pg A 26-27)

NOTE

Specifiche dei componenti di ricambio in sezione I - ricambi.
Per inserti vedi sezione H - inserti.

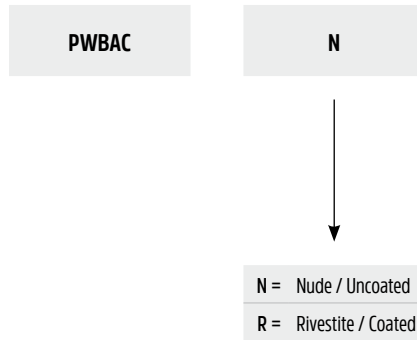
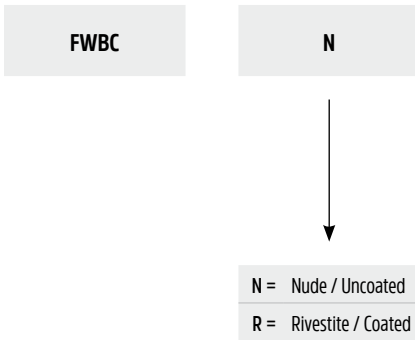
Complete list of spare parts at section I - spare parts.
For inserts see section H - inserts.

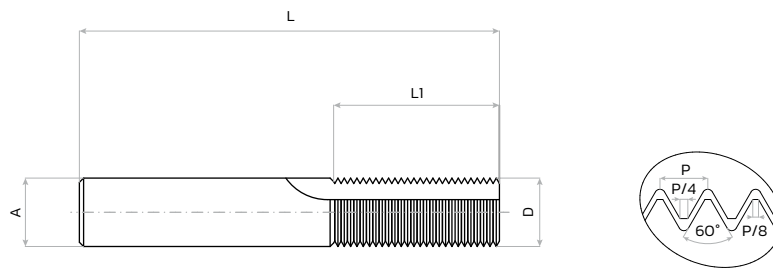
FRESE IN MATELLO DURO PER ESCUZIONE FILETTI | TUNGSTEN CARBIDE THREADING MILLS

IDENTIFICAZIONE FRESE INTEGRALI | MILL-THREAD SOLID CARBIDE

frese a filettare cilindriche | Cylindric thread mills

frese fora-filetta | Mill-thread solid carbides





FWBC

fresse a filettare in metallo duro | mill-thread solid carbide

NUDA - UNCOATED HP25*	RIVESTITA - COATED HP2551**	PASSO PITCH mm	DIMENSIONI - DIMENSIONS					FILETTO THREAD
			D	A	L1	L	Z	
FWBCN0049	FWBCR0028	1.00	6	6	15	50	3	MF8
FWBCN0050	FWBCR0029	1.25	6	6	15	50	3	M8-M9-M10
FWBCN0051	FWBCR0030	0.75	8	8	20	60	3	MF10-MF12
FWBCN0052	FWBCR0031	1.00	8	8	20	60	3	MF10-MF12
FWBCN0053	FWBCR0032	1.25	8	8	20	60	3	MF10
FWBCN0054	FWBCR0033	1.50	8	8	20	60	3	M10-M11-MF12
FWBCN0055	FWBCR0034	1.75	8	8	20	60	3	M12
FWBCN0056	FWBCR0035	1.00	10	10	25	70	4	MF12
FWBCN0057	FWBCR0036	1.25	10	10	25	70	4	MF14
FWBCN0058	FWBCR0037	1.50	10	10	25	70	4	MF14
FWBCN0059	FWBCR0038	2.00	10	10	25	70	4	M14
FWBCN0060	FWBCR0039	1.00	12	12	30	75	4	MF14
FWBCN0061	FWBCR0040	1.50	12	12	30	75	4	MF16
FWBCN0062	FWBCR0041	2.00	12	12	30	75	4	M16
FWBCN0063	FWBCR0042	1.00	14	14	35	85	4	MF16
FWBCN0064	FWBCR0043	1.50	14	14	35	85	4	MF18
FWBCN0065	FWBCR0044	2.00	14	14	35	85	4	MF18
FWBCN0066	FWBCR0045	2.50	14	14	35	85	4	M18
FWBCN0068	FWBCR0047	1.50	16	16	40	100	5	MF20-MF22
FWBCN0069	FWBCR0048	2.00	16	16	40	100	5	MF20-MF22
FWBCN0070	FWBCR0049	2.50	16	16	40	100	5	M20-M22

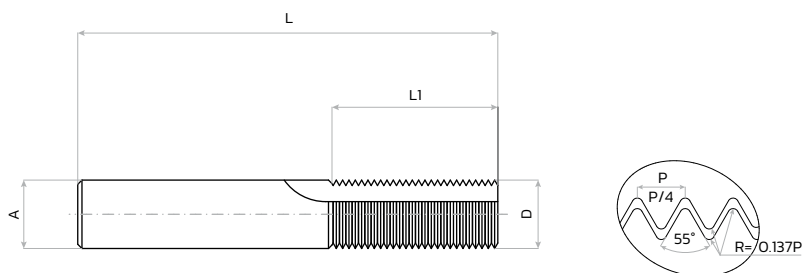
* pronta - ready on stock

** consegna 4/5 gg - delivery 4/5 days

NOTE

Specifiche dei componenti di ricambio in sezione I - ricambi.

Complete list of spare parts at section I - spare parts.



WITH COOLANT

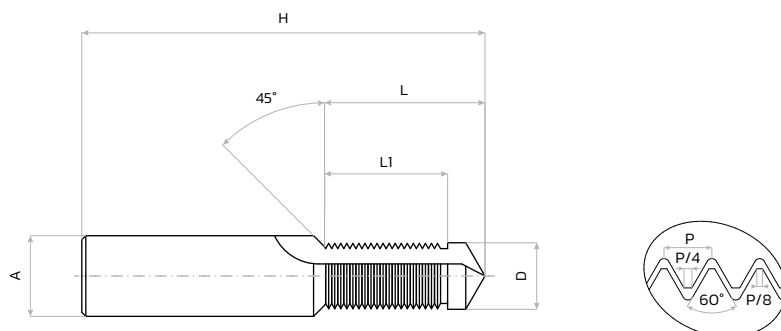
FWBC

frese a filettare in metallo duro | mill-thread solid carbide

NUDA - UNCOATED HP25*	RIVESTITA - COATED HP2551**	PASSO PITCH TPI	DIMENSIONI - DIMENSIONS					FILETTO THREAD
			D	A	L1	L	H	
FWBCN0071	FWBCR0050	28	8	8	20	60	3	1/8"
FWBCN0072	FWBCR0051	19	10	10	25	70	4	1/4"
FWBCN0073	FWBCR0052	19	14	14	35	85	4	3/8"
FWBCN0074	FWBCR0053	14	16	16	40	100	5	1/2"

* pronta - ready on stock

** consegna 4/5 gg - delivery 4/5 days



WITH COOLANT

PWBAC

frese fora e filetta in metallo duro | mill-thread solid carbide

NUDA - UNCOATED HP25*	RIVESTITA - COATED HP2551**	PASSO PITCH mm	DIMENSIONI - DIMENSIONS					FILETTO THREAD
			D	A	L1	L	H	
PWBACN0002	PWBACR0002	0,80	4,2	6	9,55	11,80	55	M5
PWBACN0003	PWBACR0003	1,00	5	8	12,05	14,60	62	M6
PWBACN0004	PWBACR0004	1,25	6,8	10	15,07	18,30	74	M8
PWBACN0005	PWBACR0005	1,50	8,5	12	19,58	23,60	85	M10
PWBACN0006	PWBACR0006	1,75	10,3	14	22,85	27,50	89	M12

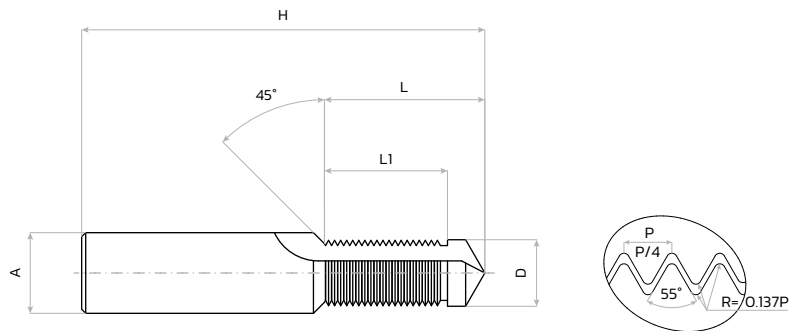
* pronta - ready on stock

** consegna 4/5 gg - delivery 4/5 days

NOTE

Specifiche dei componenti di ricambio in sezione I - ricambi.

Complete list of spare parts at section I - spare parts.



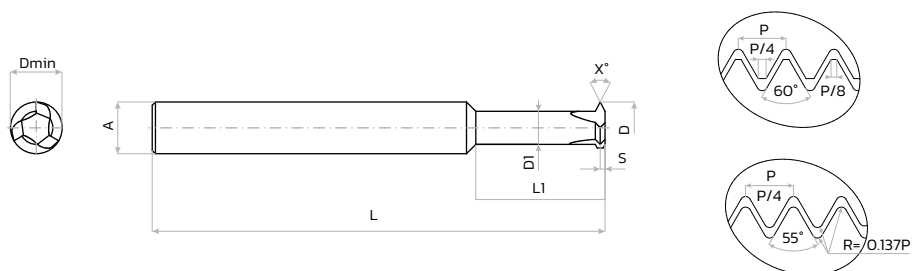
PWBAC

fresе forа e filetta in metallo duro | mill-thread solid carbide

NUDA - UNCOATED HP25*	RIVESTITA - COATED HP2551**	PASSO PITCH TPI	DIMENSIONI - DIMENSIONS					FILETTO THREAD
			D	A	L1	L	Z	
PWBACN0007	PWBACR0007	28	8,8	12	18,98	22,40	79	1/8"
PWBACN0008	PWBACR0008	19	11,8	16	25,30	29,30	102	1/4"
PWBACN0009	PWBACR0009	19	15,3	18	37,40	42,70	102	3/8"

* pronta - ready on stock

** consegna 4/5 gg - delivery 4/5 days



FWBCR

fresе а filettare in metallo duro | mill-thread solid carbide

RIVESTITA - COATED HP2551	PASSO PITCH mm	DIMENSIONI - DIMENSIONS							
		X	D	A	D1	S	L1	L	Dmin
FWBCR0054	0,5-1,5	60°	5,8	6	3,5	1	15,20	58	6
FWBCR0055	1,0-2,0	60°	7,8	8	5	1	25,40	68	8
	TPI								
FWBCR0056	28	55°	6,8	8	5,5	1	15,20	58	7
FWBCR0057	14-19	55°	9,0	10	6,5	1	25,40	68	9,5

NOTE

Specifiche dei componenti di ricambio in sezione I - ricambi.

Complete list of spare parts at section I - spare parts.