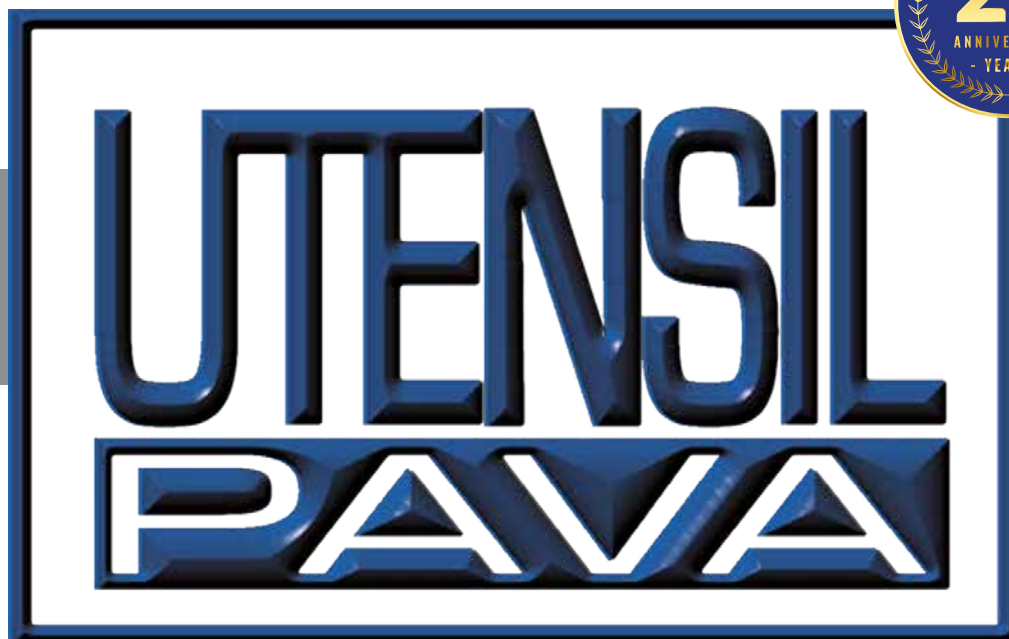




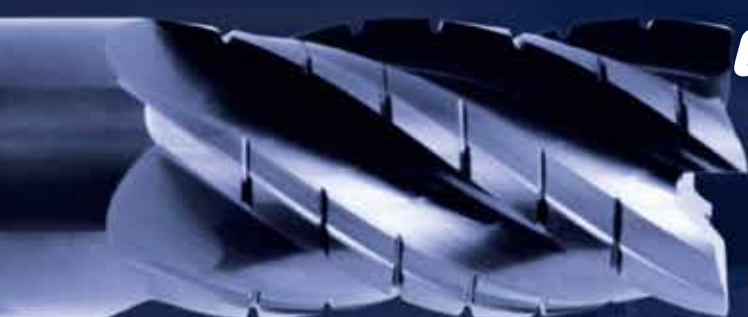
MADE IN ITALY



CATALOGO 2023

CATALOGO GENERALE

GENERAL CATALOGUE





MADE IN ITALY



CATALOGO GENERALE

GENERAL CATALOGUE







**UTENSILI
IN METALLO DURO
PER LAVORAZIONI
MECCANICHE GENERALI**

*SOLID CARBIDE COVERED TOOLS
FOR GENERAL MACHINING*

5

**UTENSILI IN METALLO
DURO RIVESTITI
PER LAVORAZIONI
SU ACCIAI INOX**

*SOLID CARBIDE COVERED
TOOLS FOR STAINLESS STEEL*

49

**FRESE
IN METALLO DURO
HSC RIVESTITE**

*HSC SOLID CARBIDE
COVERED CUTTERS*

63

**UTENSILI
PER LAVORAZIONI
SU LEGHE LEGGERE**

*CUTTERS FOR WORKING
ON LIGHT ALLOYS*

39

**PUNTE IN METALLO
DURO RIVESTITE**

*SOLID CARBIDE
COVERED DRILLS*

113



UTENSILI IN METALLO DURO PER LAVORAZIONI MECCANICHE GENERALI

***SOLID CARBIDE COVERED TOOLS
FOR GENERAL MACHINING***



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12 FRESE A DUE DENTI SERIE NORMALE RIVESTITE *TWO FLUTE REGULAR END MILLS SERIES COATED*



13 FRESE A DUE DENTI SERIE LUNGA RIVESTITE *TWO FLUTE LONG END MILLS SERIES COATED*



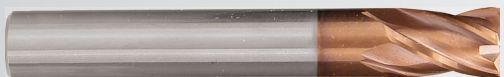
14 FRESE A TRE DENTI SERIE NORMALE RIVESTITE *THREE FLUTE REGULAR END MILLS SERIES COATED*



15 FRESE A TRE DENTI SERIE LUNGA RIVESTITE *THREE FLUTE LONG END MILLS SERIES COATED*



16 FRESE A QUATTRO DENTI SERIE NORMALE RIVESTITE *FOUR FLUTE REGULAR END MILLS SERIES COATED*



17 FRESE A QUATTRO DENTI SERIE LUNGA RIVESTITE *FOUR FLUTE LONG END MILLS SERIES COATED*



18 FRESE A DUE DENTI TESTA SEMISFERICA SERIE NORMALE RIVESTITE *BALL-NOSED TWO FLUTE REGULAR END MILLS SERIES COATED*



18 FRESE A DUE DENTI TESTA SEMISFERICA SERIE LUNGA RIVESTITE *BALL-NOSED TWO FLUTE LONG END MILLS SERIES COATED*



19 FRESE A TRE DENTI TESTA SEMISFERICA SERIE NORMALE RIVESTITE *BALL-NOSED THREE FLUTE END MILLS REGULAR SERIES COATED*



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- 20** FRESE A TRE DENTI TESTA SEMISFERICA SERIE LUNGA RIVESTITE
BALL-NOSED THREE LONG END MILLS SERIES COATED



- 21** FRESE A QUATTRO DENTI TESTA SEMISFERICA SERIE NORMALE RIVESTITE
BALL-NOSED FOUR FLUTE REGULAR END MILLS SERIES COATED



- 22** FRESE A QUATTRO DENTI TESTA SEMISFERICA SERIE LUNGA RIVESTITE
BALL-NOSED FOUR FLUTE LONG END MILLS SERIES COATED



- 23** FRESE A SGROSSARE RIVESTITE
ROUGHING END MILLS COATED



- 24** MICROFRESE A DUE DENTI RIVESTITE
TWO FLUTE MINIATURE END MILLS COATED



- 25** FRESE A DUE DENTI GAMBO RINFORZATO RIVESTITE
TWO FLUTE END MILLS REINFORCED SHANK COATED



- 25** FRESE A DUE DENTI TESTA SEMISFERICA GAMBO RINFORZATO RIVESTITE
BALL-NOSED TWO END MILLS REINFORCED SHANK COATED



- 26** FRESE A TRE DENTI GAMBO RINFORZATO RIVESTITE
THREE FLUTE END MILLS REINFORCED SHANK COATED



- 26** FRESE A QUATTRO DENTI GAMBO RINFORZATO RIVESTITE
FOUR FLUTE END MILLS REINFORCED SHANK COATED



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27 FRESE A TRE DENTI GAMBO RINFORZATO ELICA 45° RIVESTITE
THREE FLUTE 45° END DRILLS REINFORCED SHANK COATED



27 FRESE A QUATTRO DENTI GAMBO RINFORZATO ELICA 45° RIVESTITE
FOUR FLUTE 45° END DRILLS REINFORCED SHANK COATED



28 FRESE MULTITAGLIO ELICA 45° RIVESTITE
SUPER FINISHING END MILLS SERIES COATED



28 FRESE MULTITAGLIO ELICA 45° SERIE LUNGA RIVESTITE
SUPER FINISHING END MILLS LOUNQUE SERIES COATED



29 FRESE A SVASARE RIVESTITE
COUNTERSINKS COATED



29 FRESE AD 1/4 DI RAGGIO CONCAVO RIVESTITE
CORNER-ROUNDING CUTTERS COATED



30 FRESE PER SEDI DI LINGUETTE AMERICANE WOODRUFF IN METALLO DURO RIVESTITE
WOODRUFF KEYSEAT CUTTERS MICROGRAIN CARBIDE COATED



31 ALESATORI A MACCHINA RIVESTITI
MACHINE REAMES COATED



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34 FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE RIVESTITE *THREE FLUTE END MILLS IRREGULAR DIVISION COATED*



34 FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE SERIE LUNGA RIVESTITE *THREE FLUTE END MILLS IRREGULAR DIVISION LONG SERIES COATED*



35 FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE RIVESTITE *FOUR FLUTE END MILLS IRREGULAR DIVISION COATED*



35 FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE SERIE LUNGA RIVESTITE *FOUR END MILLS IRREGULAR DIVISION LONG SERIES COATED*



36 FRESE A SGROSSARE DIVISIONE IRREGOLARE ELICA INDIPENDENTE RIVESTITE *ROUGHING END MILLS IRREGULAR DIVISION COATED*



37 FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE GAMBO RINFORZATO RIVESTITE *THREE FLUTE END MILLS IRREGULAR DIVISION REINFORCED SHANK COATED*



37 FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE GAMBO RINFORZATO RIVESTITE *FOUR FLUTE END MILLS IRREGULAR DIVISION REINFORCED SHANK COATED*

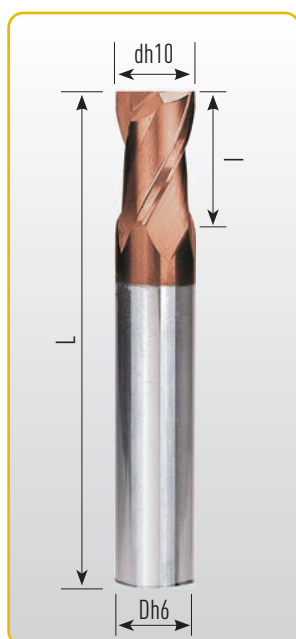


SERIE EXCELLENCY

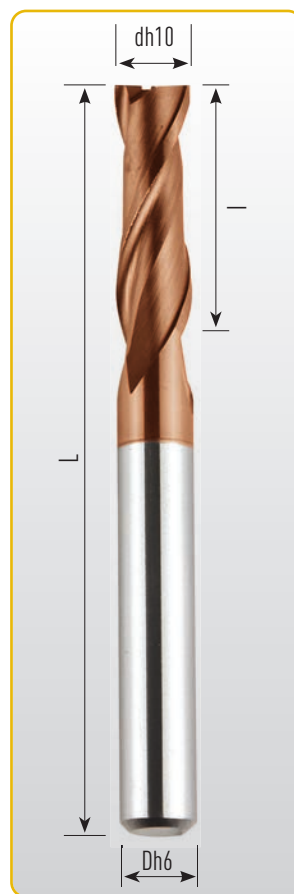
FRESE IN METALLO DURO MICROGRANA
DI ALTISSIMA QUALITÀ, PER LAVORAZIONE
DI METALLI RIVESTITE HARD BLADE

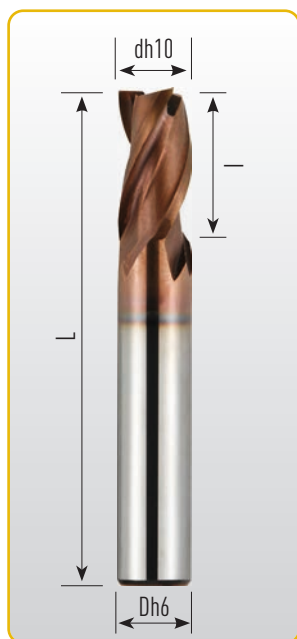
EXCELLENCY SERIES
VERY HIGH QUALITY
END MILLS FOR METAL WORK
IN HARD BLADE COATING



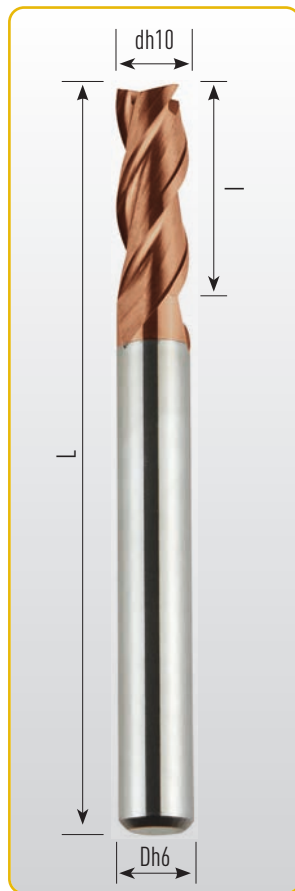
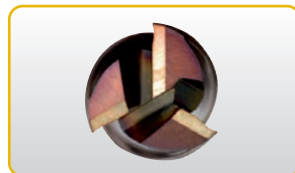
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FRESE A DUE DENTI SERIE LUNGA RIVESTITE
TWO FLUTE LONG END MILLS SERIES COATED

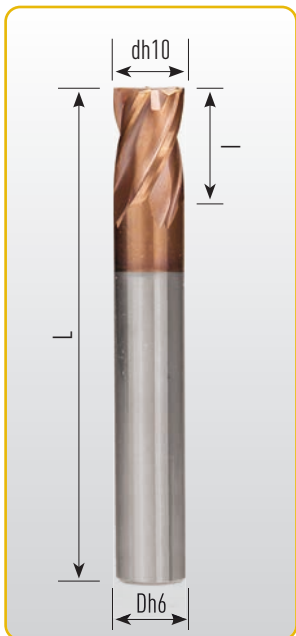
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14

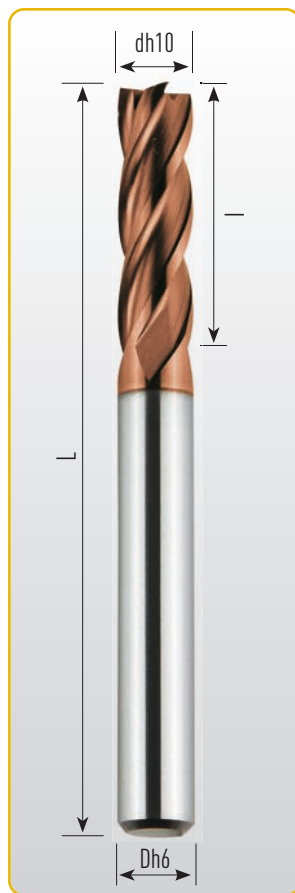
FRESE A TRE DENTI SERIE LUNGA RIVESTITE
THREE FLUTE LONG END MILLS SERIES COATED

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FRESE A QUATTRO DENTI SERIE NORMALE RIVESTITE
FOUR FLUTE REGULAR END MILLS SERIES COATED

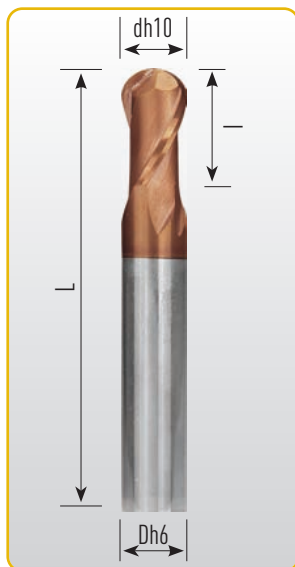
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FRESE A QUATTRO DENTI SERIE LUNGA RIVESTITE
FOUR FLUTE LONG END MILLS SERIES COATED

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FRESE A DUE DENTI TESTA SEMISFERICA SERIE NORMALE RIVESTITE

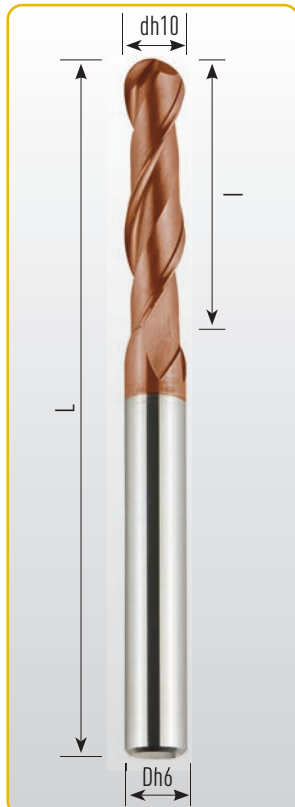
BALL-NOSED TWO FLUTE REGULAR END MILLS SERIES COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERALL LENGTH	SHANK DIAMETER
	dh10	L1	L	Dh6
FSN0202TSEX	2	7	40	2
FSN0302TSEX	3	8	40	3
FSN0402TSEX	4	10	40	4
FSN0502TSEX	5	12	50	5
FSN0602TSEX	6	14	57	6
FSN0702TSEX	7	14	60	7
FSN0802TSEX	8	16	63	8
FSN0902TSEX	9	18	67	9
FSN1002TSEX	10	20	72	10
FSN1102TSEX	11	20	83	11
FSN1202TSEX	12	22	83	12
FSN1302TSEX	13	25	83	13
FSN1402TSEX	14	25	83	14
FSN1502TSEX	15	32	92	15
FSN1602TSEX	16	32	92	16
FSN1702TSEX	17	32	92	17
FSN1802TSEX	18	32	92	18
FSN1902TSEX	19	38	100	19
FSN2002TSEX	20	38	100	20

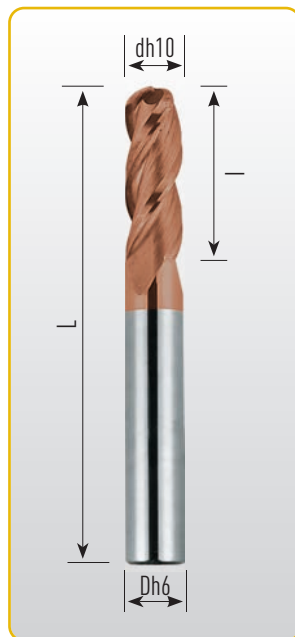
FRESE A DUE DENTI TESTA SEMISFERICA SERIE LUNGA RIVESTITE

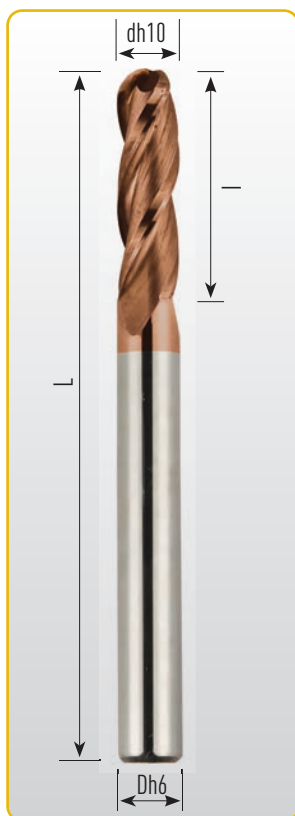
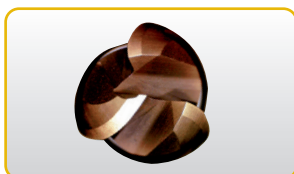
BALL-NOSED TWO FLUTE LONG END MILLS SERIES COATED



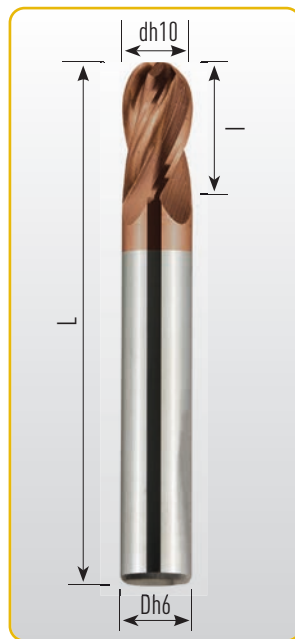
CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERALL LENGTH	SHANK DIAMETER
	dh10	L1	L	Dh6
FSL0302TSEX	3	20	55	3
FSL0402TSEX	4	20	60	4
FSL0502TSEX	5	20	60	5
FSL0602TSEX	6	24	65	6
FSL0702TSEX	7	30	75	7
FSL0802TSEX	8	32	80	8
FSL0902TSEX	9	32	80	9
FSL1002TSEX	10	32	80	10
FSL1102TSEX	11	50	100	11
FSL1202TSEX	12	50	100	12
FSL1302TSEX	13	55	115	13
FSL1402TSEX	14	55	115	14
FSL1502TSEX	15	60	120	15
FSL1602TSEX	16	60	120	16
FSL1702TSEX	17	60	120	17
FSL1802TSEX	18	60	120	18
FSL1902TSEX	19	60	130	19
FSL2002TSEX	20	60	130	20

FRESE A TRE DENTI TESTA SEMISFERICA SERIE NORMALE RIVESTITE
BALL-NOSED THREE FLUTE END MILLS REGULAR SERIES COATED

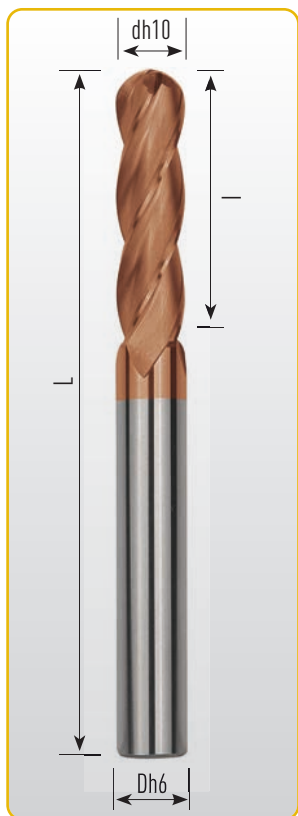
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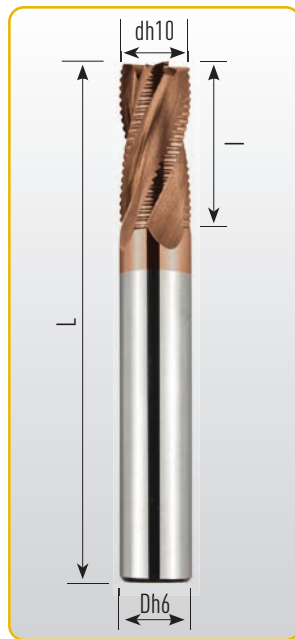
FRESE A QUATTRO DENTI TESTA SEMISFERICA SERIE NORMALE RIVESTITE
BALL-NOSED FOUR FLUTE REGULAR END MILLS SERIES COATED

[illegible]

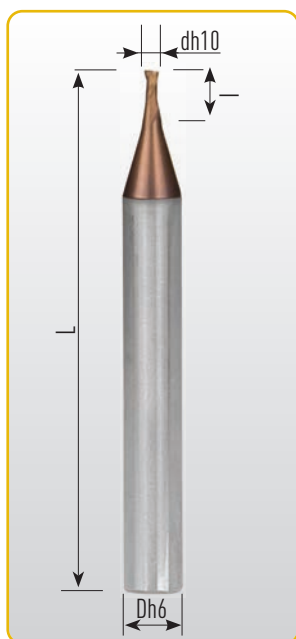
FRESE A QUATTRO DENTI TESTA SEMISFERICA SERIE LUNGA RIVESTITE
BALL-NOSED FOUR FLUTE LONG END MILLS SERIES COATED

[illegible]

FRESE A SGROSSARE RIVESTITE
ROUGHING END MILLS COATED

[illegible]

MICROFRESE A DUE DENTI RIVESTITE
TWO FLUTE MINIATURE END MILLS COATED

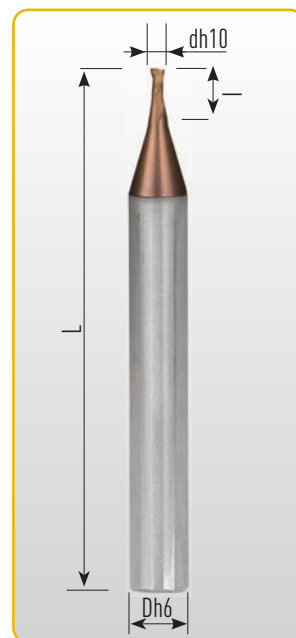
[illegible]

FRESE A DUE DENTI GAMBO RINFORZATO RIVESTITE

TWO FLUTE END MILLS REINFORCED SHANK COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERALL LENGTH	SHANK DIAMETER
	dh10	I	L	Dh6
FGR0202TPEX	2	4	50	6
FGR02502TPEX	2,5	5	50	6
FGR0302TPEX	3	6	50	6
FGR03502TPEX	3,5	7	50	6
FGR0402TPEX	4	8	50	6
FGR04502TPEX	4,5	10	50	6
FGR0502TPEX	5,0	12	50	6
FGR05502TPEX	5,5	14	50	6

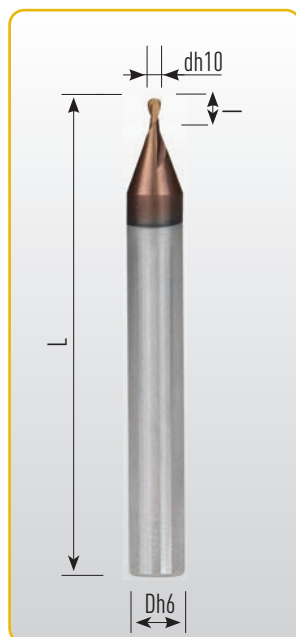


FRESE A DUE DENTI TESTA SEMISFERICA GAMBO RINFORZATO RIVESTITE

BALL-NOSED TWO END MILLS REINFORCED SHANK COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERALL LENGTH	SHANK DIAMETER
	dh10	I	L	Dh6
FGR0202TSEX	2	4	50	6
FGR02502TSEX	2,5	5	50	6
FGR0302TSEX	3	6	50	6
FGR03502TSEX	3,5	7	50	6
FGR0402TSEX	4	8	50	6
FGR04502TSEX	4,5	10	50	6
FGR0502TSEX	5	12	50	6
FGR05502TSEX	5,5	14	50	6



FRESE A TRE DENTI GAMBO RINFORZATO RIVESTITE

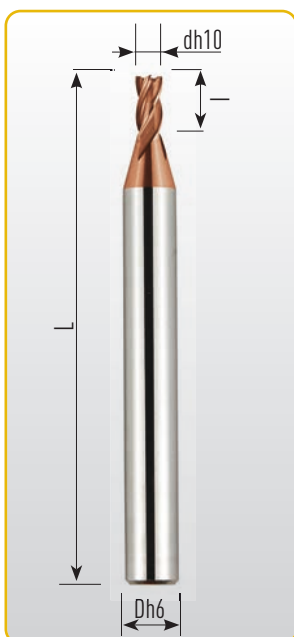
THREE FLUTE END MILLS REINFORCED SHANK COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	I	L	Dh6
FGR0203TPEX	2	4	50	6
FGR02503TPEX	2,5	5	50	6
FGR0303TPEX	3	6	50	6
FGR03503TPEX	3,5	7	50	6
FGR0403TPEX	4	8	50	6
FGR04503TPEX	4,5	10	50	6
FGR0503TPEX	5,0	12	50	6
FGR05503TPEX	5,5	14	50	6

FRESE A QUATTRO DENTI GAMBO RINFORZATO RIVESTITE

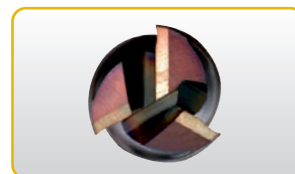
FOUR FLUTE END MILLS REINFORCED SHANK COATED



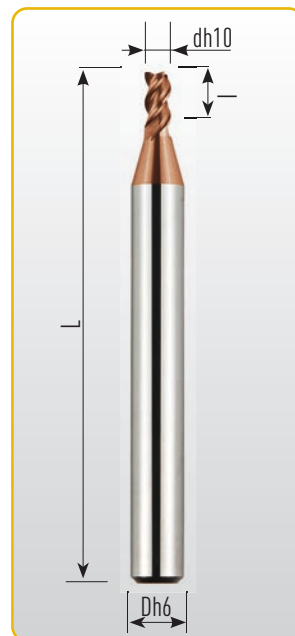
CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	I	L	Dh6
FGR0204TPEX	2	4	50	6
FGR02504TPEX	2,5	5	50	6
FGR0304TPEX	3	6	50	6
FGR03504TPEX	3,5	7	50	6
FGR0404TPEX	4	8	50	6
FGR04504TPEX	4,5	10	50	6
FGR0504TPEX	5,0	12	50	6
FGR05504TPEX	5,5	14	50	6

FRESE A TRE DENTI GAMBO RINFORZATO ELICA 45° RIVESTITE

THREE FLUTE 45° END DRILLS REINFORCED SHANK COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	I	L	Dh6
FGR020345TPEX	2	6	50	6
FGR0250345TPEX	2,5	7	50	6
FGR030345TPEX	3	8	50	6
FGR0350345TPEX	3,5	9	50	6
FGR040345TPEX	4	10	50	6
FGR0450345TPEX	4,5	11	50	6
FGR050345TPEX	5	12	50	6
FGR0550345TPEX	5,5	13	50	6



FRESE A QUATTRO DENTI GAMBO RINFORZATO ELICA 45° RIVESTITE

FOUR FLUTE 45° END DRILLS REINFORCED SHANK COATED

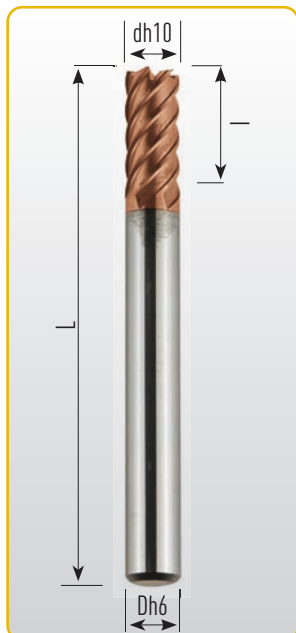


CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	I	L	Dh6
FGR020445TPEX	2	6	50	6
FGR0250445TPEX	2,5	7	50	6
FGR030445TPEX	3	8	50	6
FGR0350445TPEX	3,5	9	50	6
FGR040445TPEX	4	10	50	6
FGR0450445TPEX	4,5	11	50	6
FGR050445TPEX	5	12	50	6
FGR0550445TPEX	5,5	13	50	6



FRESE MULTITAGLIO ELICA 45° RIVESTITE

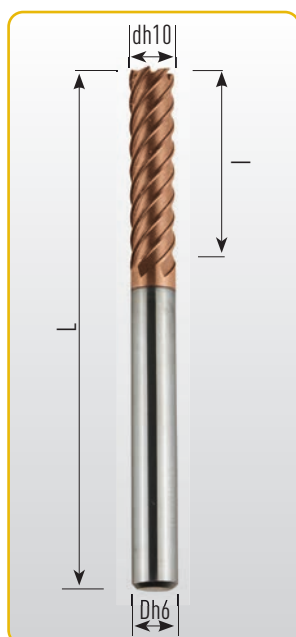
SUPER FINISHING END MILLS SERIES COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO	NUMERO DENTI
CODE	DIAMETER	LENGTH OF CUT	OVERALL LENGTH	SHANK DIAMETER	NUMBER FLUTE
	dh10	I	L	Dh6	Z
FSM0606TPEX	6	20	57	6	6
FSM0806TPEX	8	24	63	8	6
FSM1008TPEX	10	28	72	10	8
FSM1208TPEX	12	35	83	12	8
FSM1408TPEX	14	35	83	14	8
FSM1610TPEX	16	40	92	16	10
FSM1810TPEX	18	40	92	18	10
FSM2010TPEX	20	45	100	20	10
FSM2512TPEX	25	55	125	25	12

FRESE MULTITAGLIO ELICA 45° SERIE LUNGA RIVESTITE

SUPER FINISHING END MILLS LOUNQUE SERIES COATED



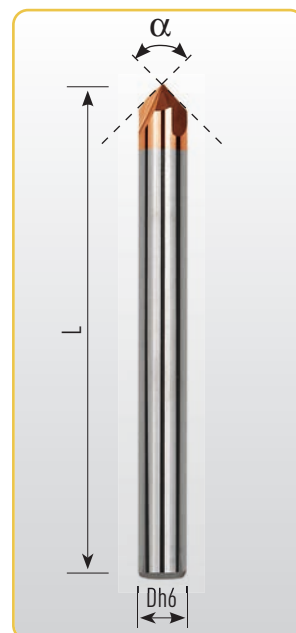
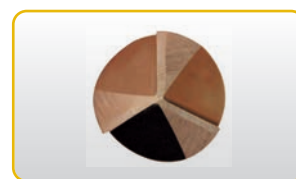
CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO	NUMERO DENTI
CODE	DIAMETER	LENGTH OF CUT	OVERALL LENGTH	SHANK DIAMETER	NUMBER FLUTE
	dh10	I	L	Dh6	Z
FSML0606TPEX	6	24	68	6	6
FSML0806TPEX	8	38	88	8	6
FSML1008TPEX	10	45	95	10	8
FSML1208TPEX	12	53	110	12	8
FSML1408TPEX	14	53	110	14	8
FSML1610TPEX	16	63	123	16	10
FSML1810TPEX	18	63	123	18	10
FSML2010TPEX	20	75	141	20	10
FSML2512TPEX	25	90	160	25	12

FRESE A SVASARE RIVESTITE

COUNTERSINKS COATED



CODICE	DIAMETRO	ANGOLO	LUNG. TOT.	NUMERO DENTI
CODE	DIAMETER	ANGLE	OVERAL LENGTH	NUMBER FLUTE
	Dh6	α	L	Z
FAS030390EX	3	90	40	3
FAS040390EX	4	90	50	3
FSA050390EX	5	90	50	3
FSA060390EX	6	90	50	3
FAS080390EX	8	90	60	3
FAS100390EX	10	90	70	3
FAS120390EX	12	90	75	3
FAS160390EX	16	90	90	3
FAS200390EX	20	90	100	3

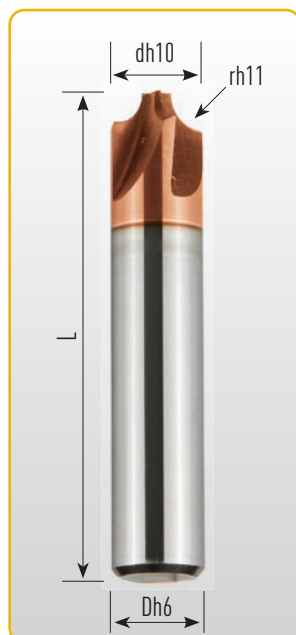


FRESE AD 1/4 DI RAGGIO CONCAVO RIVESTITE

CORNER-ROUNDING CUTTERS COATED



CODICE	DIAMETRO	RAGGIO	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	CORNER RADIUS	OVERAL LENGTH	SHANK DIAMETER
	dh10	rh11	L	Dh6
FRC100410EX	10	1	60	10
FRC100415EX	10	1,5	60	10
FRC100420EX	10	2	60	10
FRC100425EX	10	2,5	60	10
FRC120430EX	12	3	72	12
FRC120435EX	12	3,5	72	12
FRC120440EX	12	4	72	12
FRC160445EX	16	4,5	75	16
FRC160450EX	16	5	75	16
FRC160455EX	16	5,5	75	16
FRC160460EX	16	6	75	16



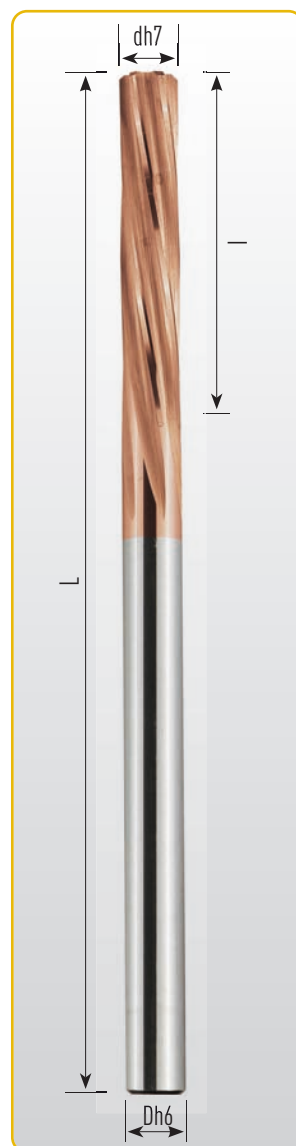
30

ALESATORI A MACCHINA RIVESTITI

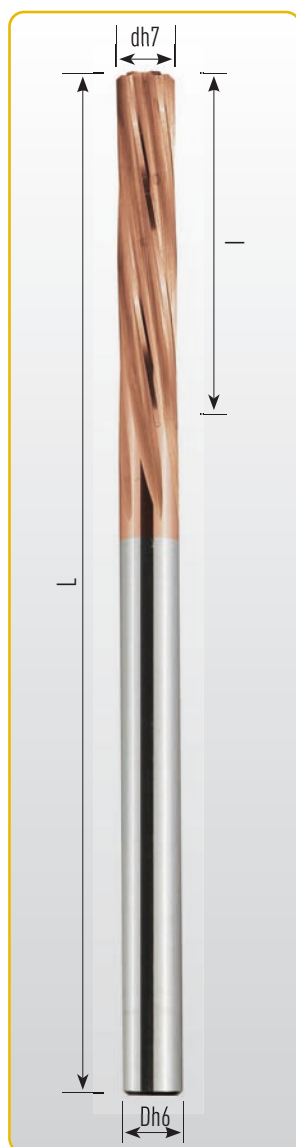
MACHINE REAMES COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	DH7	I	L	Dh6
AAM0204SN	2,0	11	49	3,0
AAM02104SN	2,1	11	49	3,0
AAM02204SN	2,2	12	53	3,0
AAM02304SN	2,3	12	53	3,0
AAM02404SN	2,4	14	53	3,0
AAM02504SN	2,5	14	57	3,0
AAM02605SN	2,6	14	57	3,0
AAM02705SN	2,7	15	57	3,0
AAM02805SN	2,8	15	57	3,0
AAM02905SN	2,9	15	57	3,0
AAM0305SN	3,0	15	65	4,0
AAM03105SN	3,1	16	65	4,0
AAM03205SN	3,2	16	65	4,0
AAM03305SN	3,3	16	65	4,0
AAM03405SN	3,4	18	65	4,0
AAM03505SN	3,5	18	70	4,0
AAM03605SN	3,6	18	70	4,0
AAM03705SN	3,7	18	70	4,0
AAM03805SN	3,8	19	70	4,0
AAM03905SN	3,9	19	70	4,0
AAM0405SN	4,0	19	75	5,0
AAM04105SN	4,1	19	75	5,0
AAM04205SN	4,2	19	75	5,0
AAM04305SN	4,3	21	75	5,0
AAM04405SN	4,4	21	75	5,0
AAM04505SN	4,5	21	80	5,0
AAM04605SN	4,6	21	80	5,0
AAM04705SN	4,7	21	80	5,0
AAM04805SN	4,8	23	80	5,0
AAM04905SN	4,9	23	80	5,0
AAM0505SN	5,0	23	86	6,0
AAM05105SN	5,1	23	86	6,0
AAM05205SN	5,2	23	86	6,0
AAM05305SN	5,3	23	86	6,0
AAM05405SN	5,4	23	86	6,0
AAM05506SN	5,5	26	93	6,0
AAM05606SN	5,6	26	93	6,0
AAM05706SN	5,7	26	93	6,0
AAM05806SN	5,8	26	93	6,0
AAM05906SN	5,9	26	93	6,0
AAM0606SN	6,0	28	101	8,0
AAM06106SN	6,1	28	101	8,0
AAM06206SN	6,2	28	101	8,0



ALESATORI A MACCHINA RIVESTITI MACHINE REAMES COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	DH7	I	L	Dh6
AAM06306SM	6,3	28	101	8,0
AAM06406SN	6,4	28	101	8,0
AAM06506SN	6,5	31	109	8,0
AAM06606SN	6,6	31	109	8,0
AAM06706SN	6,7	31	109	8,0
AAM06806SN	6,8	31	109	8,0
AAM06906SN	6,9	31	109	8,0
AAM0706SN	7,0	33	117	8,0
AAM07106SN	7,1	33	117	8,0
AAM07206SN	7,2	33	117	8,0
AAM07306SN	7,3	33	117	8,0
AAM07406SN	7,4	33	117	8,0
AAM07506SN	7,5	33	117	8,0
AAM07606SN	7,6	33	117	8,0
AAM07706SN	7,7	33	117	8,0
AAM07806SN	7,8	33	117	8,0
AAM07906SN	7,9	33	117	8,0
AAM0806SN	8,0	36	125	10,0
AAM08106SN	8,1	36	125	10,0
AAM08206SN	8,2	36	125	10,0
AAM08306SN	8,3	36	125	10,0
AAM08406SN	8,4	36	125	10,0
AAM08506SN	8,5	36	125	10,0
AAM08606SN	8,6	36	125	10,0
AAM08706SN	8,7	36	125	10,0
AAM08806SN	8,8	36	125	10,0
AAM08906SN	8,9	36	125	10,0
AAM0906SN	9,0	28	133	10,0
AAM09106SN	9,1	38	133	10,0
AAM09206SN	9,2	38	133	10,0
AAM09306SN	9,3	38	133	10,0
AAM09406SN	9,4	38	133	10,0
AAM09506SN	9,5	38	133	10,0
AAM09606SN	9,6	38	133	10,0
AAM09706SN	9,7	38	133	10,0
AAM09806SN	9,8	38	133	10,0
AAM09906SN	9,9	38	133	10,0
AAM1006SN	10,0	38	133	12,0
AAM10507SN	10,5	41	142	12,0
AAM1107SN	11,0	41	142	12,0
AAM11507SN	11,5	44	151	12,0
AAM1207SN	12,0	44	151	14,0

SERIE PLATINUM

FRESE IN METALLO DURO SUPERMICROGRANA
AD ALTISIME PRESTAZIONI DIVISIONE IRREGOLARE
ELICHE INDIPENDENTI RIVESTITE HARD BLADE

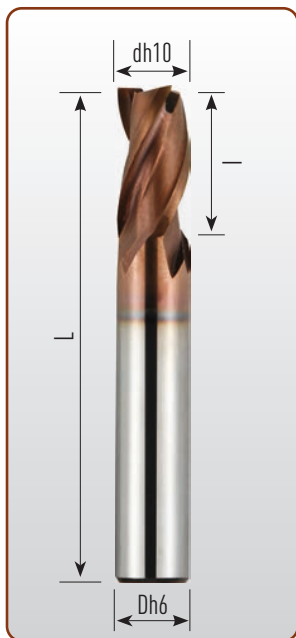
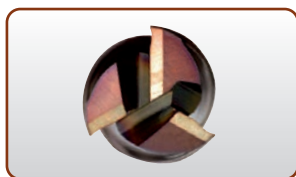
PLATINUM SERIES

VERY HIGH PERFORMANCE HARD BLADE COATED
END MILLS SOLID CARBIDE MICROGRAIN
IRREGULAR DIVISION INDEPENDENT HELICALIN
HARD BLADE COATING



FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE RIVESTITE

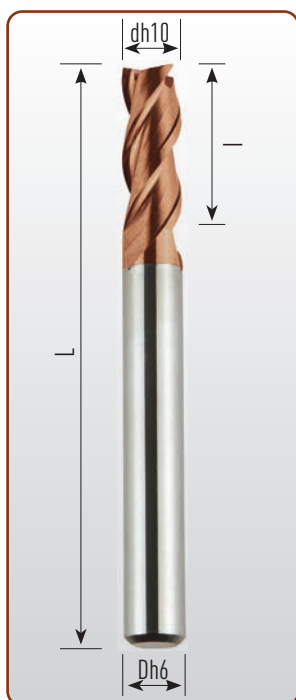
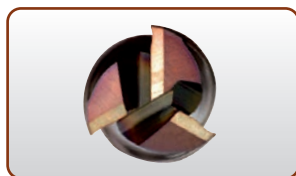
THREE FLUTE END MILLS IRREGULAR DIVISION COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	Dh7	I	L	Dh6
FDI0303SN	3	10	40	3
FDI0403SN	4	11	50	4
FDI0503SN	5	13	50	5
FDI0603SN	6	16	57	6
FDI0803SN	8	19	63	8
FDI1003SN	10	22	72	10
FDI1203SN	12	26	83	12
FDI1403SN	14	28	83	14
FDI1603SN	16	32	92	16
FDI1803SN	18	32	92	18
FDI2003SN	20	38	100	20

FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE SERIE LUNGA RIVESTITE

THREE FLUTE END MILLS IRREGULAR DIVISION LONG SERIES COATED



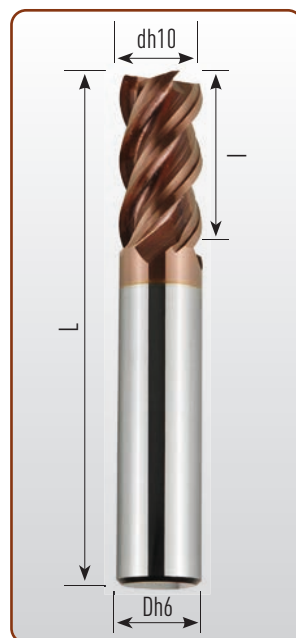
CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	I	L	Dh6
FDI0303SL	3	20	55	3
FDI0403SL	4	20	60	4
FDI0503SL	5	20	60	5
FDI0603SL	6	24	65	6
FDI0803SL	8	32	80	8
FDI1003SL	10	32	80	10
FDI1203SL	12	50	100	12
FDI1403SL	14	55	115	14
FDI1603SL	16	60	120	16
FDI1803SL	18	60	120	18
FDI2003SL	20	60	130	20

FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE RIVESTITE

FOUR FLUTE END MILLS IRREGULAR DIVISION COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	I	L	Dh6
FDI0304SN	3	10	40	3
FDI0404SN	4	11	50	4
FDI0504SN	5	13	50	5
FDI0604SN	6	16	57	6
FDI0804SN	8	19	63	8
FDI1004SN	10	22	72	10
FDI1204SN	12	26	83	12
FDI1404SN	14	28	83	14
FDI1604SN	16	32	92	16
FDI1804SN	18	32	92	18
FDI2004SN	20	38	100	20

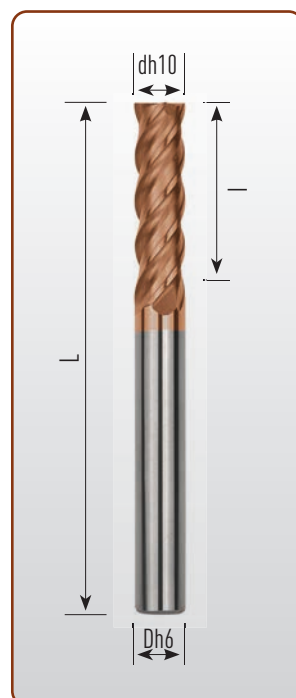


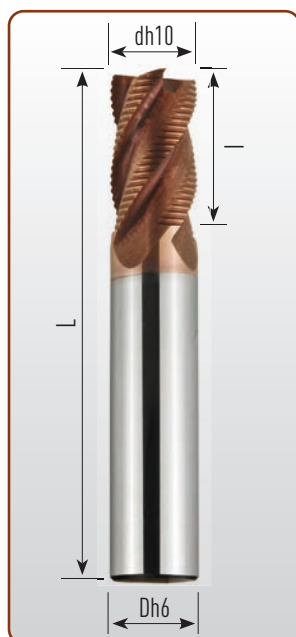
FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE SERIE LUNGA RIVESTITE

FOUR END MILLS IRREGULAR DIVISION LONG SERIES COATED

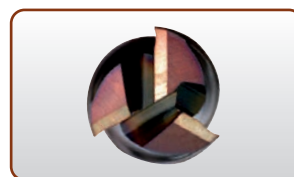


CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	I	L	Dh6
FDI0304SL	3	20	55	3
FDI0404SL	4	20	60	4
FDI0504SL	5	20	60	5
FDI0604SL	6	24	65	6
FDI0804SL	8	32	80	8
FDI1004SL	10	32	80	10
FDI1204SL	12	50	100	12
FDI1404SL	14	55	115	14
FDI1604SL	16	60	120	16
FDI1804SL	18	60	120	18
FDI2004SL	20	60	130	20

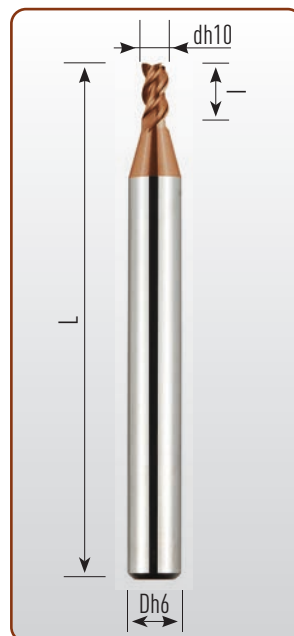


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FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE GAMBO RINFORZATO RIVESTITE
THREE FLUTE END MILLS IRREGULAR DIVISION REINFORCED SHANK COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	l	L	Dh6
FRDI0303SN	3	8	57	6
FRDI03503SN	3,5	10	57	6
FRDI0403SN	4	11	57	6
FRDI04503SN	4,5	12	57	6
FRDI0503SN	5	13	57	6
FRDI05503SN	5,5	13	57	6



FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE GAMBO RINFORZATO RIVESTITE
FOUR FLUTE END MILLS IRREGULAR DIVISION REINFORCED SHANK COATED



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	l	L	Dh6
FRDI0304SN	3	8	57	6
FRDI03504SN	3,5	10	57	6
FRDI0404SN	4	11	57	6
FRDI04504SN	4,5	12	57	6
FRDI0504SN	5	13	57	6
FRDI05504SN	5,5	13	57	6





UTENSILI PER LAVORAZIONI SU LEGHE LEGGERE

CUTTERS FOR WORKING ON LIGHT ALLOYS



PROGRAMMA DI FRESE CON SUPERFICI LAPPATE, NUDE E RIVESTITE IN DIAMANTE PER LAVORAZIONE SU LEGHE LEGGERE

PROGRAM CUTTERS WITH LAPPED SURFACES, NAKED AND COVERED IN DIAMOND FOR WORKING ON LIGH ALLOYS

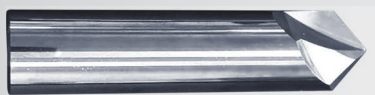
Le nostre frese lappate per leghe leggere,
si distinguono per le altissime prestazioni
e “velocità di taglio elevatissime”,
pur mantenendo un ottimo grado di finitura
e una durata maggiore
con il nostro rivestimento
che permette una taglienza pari al nudo
grazie al suo microstrato.



INDICE PRODOTTI

pag.

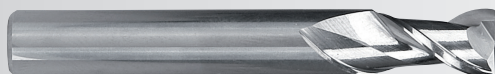
- 44** FRESE A DUE DENTI LAPPATA PER SMUSSI E SVASATURE A 45°
TWO FLUTE END MILLS LAPPED FOR 45° BEVELLS AND COUNTERSING



- 44** FRESE A UN DENTE LAPPATE
SINGLE FLUTE END MILLS LAPPED



- 45** FRESE A DUE DENTI LAPPATE
TWO FLUTE END MILLS LAPPED



- 45** FRESE A DUE DENTI SERIE LUNGA LAPPATE
TWO FLUTE LONG END MILLS LAPPED



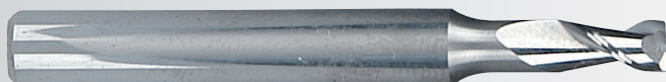
- 46** FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
THREE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED



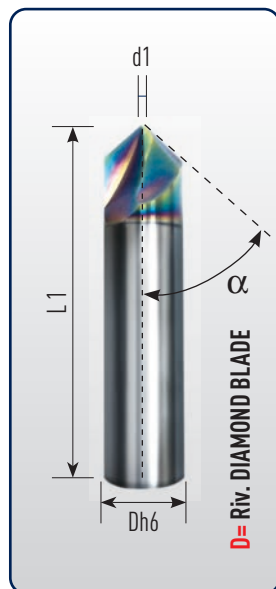
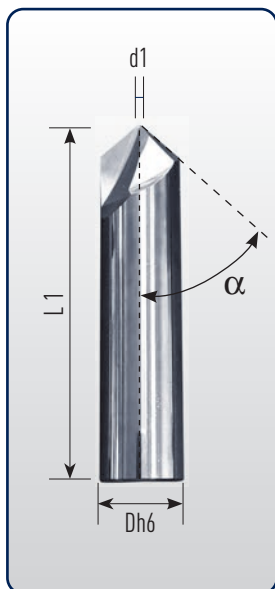
- 46** FRESE A TRE DENTI SERIE LUNGA DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
THREE FLUTE LONG END MILLS WITH IRREGULAR DIVISION LAPPED



- 47** FRESE A DUE DENTI GAMBO RINFORZATO LAPPATE
TWO FLUTE END MILLS REINFORCED SHANK LAPPED

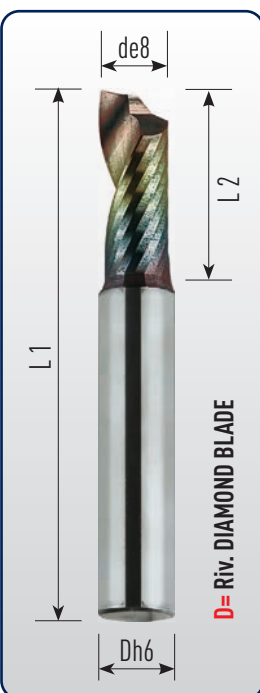
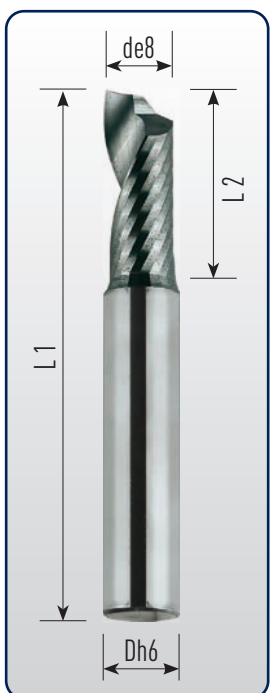


FRESE A DUE DENTI LAPPATA PER SMUSSI E SVASATURE A 45° TWO FLUTE END MILLS LAPPED FOR 45° BEVELS AND COUNTERSING



CODICE/CODE	d1	L1	Dh6	α
ALU06020545	0,50	51	6	45°
ALU06020545-D	0,50	51	6	45°
ALU0802145	1	60	8	45°
ALU0802145-D	1	60	8	45°
ALU1002145	1	60	10	45°
ALU1002145-D	1	60	10	45°
ALU12021545	1,5	70	12	45°
ALU12021545-D	1,5	70	12	45°
ALU1602145	1	70	16	45°
ALU1602145-D	1	70	16	45°
ALU1602245	2	70	16	45°
ALU1602245-D	2	70	16	45°

FRESE A UN DENTE LAPPATE SINGLE FLUTE END MILLS LAPPED



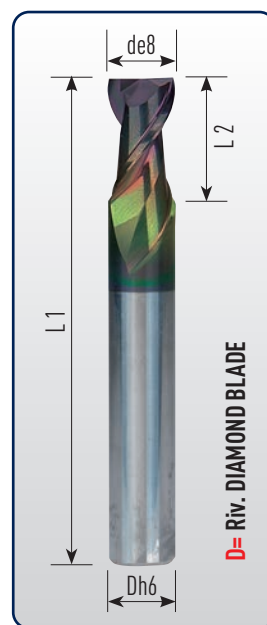
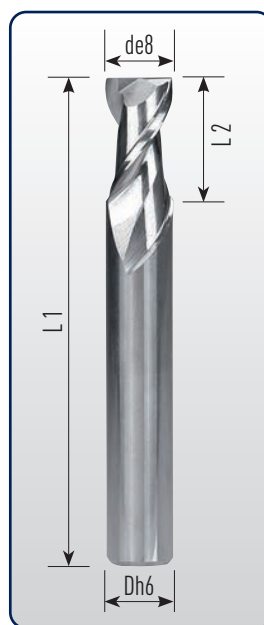
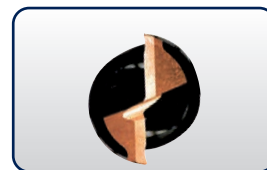
CODICE/CODE	de8	L 1	L 2	Dh6
ALU0201TP	2	57	7	6
ALU0201TP-D	2	57	7	6
ALU0301TP	3	57	8	6
ALU0301TP-D	3	57	8	6
ALU0401TP	4	57	10	6
ALU0401TP-D	4	57	10	6
ALU0501TP	5	57	12	6
ALU0501TP-D	5	57	12	6
ALU0601TP	6	57	16	6
ALU0601TP-D	6	57	16	6
ALU0801TP	8	63	19	8
ALU0801TP-D	8	63	19	8
ALU1001TP	10	72	22	10
ALU1001TP-D	10	72	22	10
ALU1201TP	12	83	26	12
ALU1201TP-D	12	83	26	12

FRESE A DUE DENTI LAPPATE

TWO FLUTE END MILLS LAPPED



CODICE/CODE	de8	L 1	L 2	Dh6
ALU0602TP	6	57	16	6
ALU0602TP-D	6	57	16	6
ALU0802TP	8	63	19	8
ALU0802TP-D	8	63	19	8
ALU1002TP	10	72	22	10
ALU1002TP-D	10	72	22	10
ALU1202TP	12	83	26	12
ALU1202TP-D	12	83	26	12
ALU1402TP	14	83	28	14
ALU1402TP-D	14	83	28	14
ALU1602TP	16	92	32	16
ALU1602TP-D	16	92	32	16
ALU2002TP	20	100	38	20
ALU2002TP-D	20	100	38	20

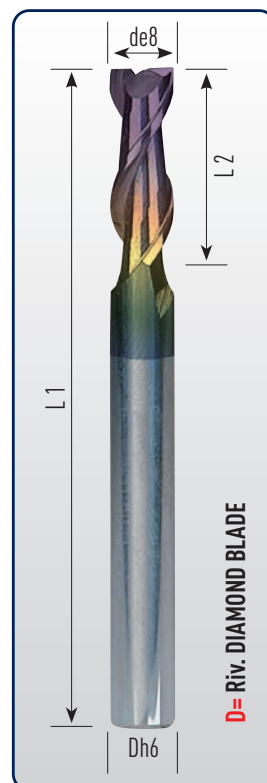
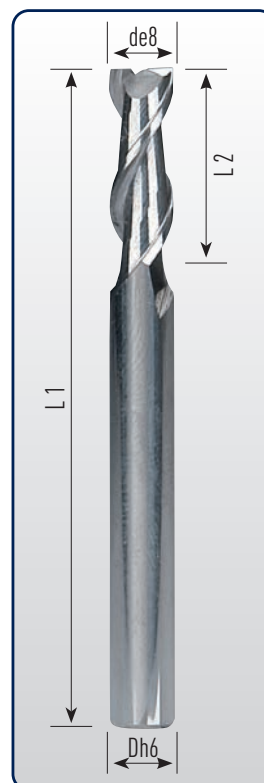


FRESE A DUE DENTI SERIE LUNGA LAPPATE

TWO FLUTE LONG END MILLS LAPPED



CODICE/CODE	de8	L 1	L 2	Dh6
ALU0602TPL	6	65	24	6
ALU0602TPL-D	6	65	24	6
ALU0802TPL	8	80	32	8
ALU0802TPL-D	8	80	32	8
ALU1002TPL	10	80	32	10
ALU1002TPL-D	10	80	32	10
ALU1202TPL	12	100	50	12
ALU1202TPL-D	12	100	50	12
ALU1402TPL	14	115	55	14
ALU1402TPL-D	14	115	55	14
ALU1602TPL	16	120	60	16
ALU1602TPL-D	16	120	60	16
ALU2002TPL	20	130	60	20
ALU2002TPL-D	20	130	60	20



FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE

THREE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED



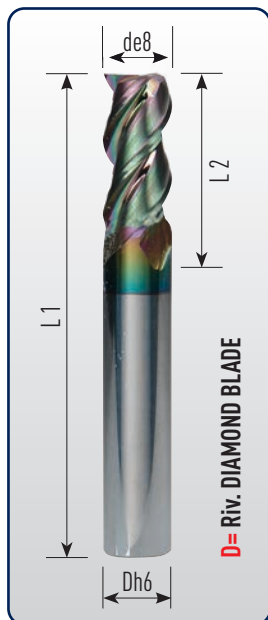
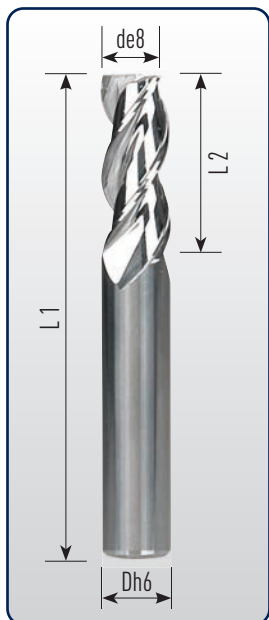
MG

3DI

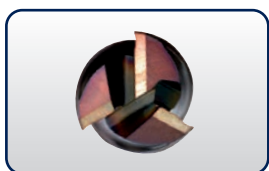
EI

PLAIN

APPLICATION



CODICE/CODE	de8	L 1	L 2	Dh6
ALU0603DI	6	57	16	6
ALU0603DI-D	6	57	16	6
ALU0803DI	8	63	19	8
ALU0803DI-D	8	63	19	8
ALU1003DI	10	72	22	10
ALU1003DI-D	10	72	22	10
ALU1203DI	12	83	26	12
ALU1203DI-D	12	83	26	12
ALU1403DI	14	83	28	14
ALU1403DI-D	14	83	28	14
ALU1603DI	16	92	32	16
ALU1603DI-D	16	92	32	16
ALU2003DI	20	100	38	20
ALU2003DI-D	20	100	38	20



FRESE A TRE DENTI SERIE LUNGA DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE

THREE FLUTE LONG END MILLS WITH IRREGULAR DIVISION LAPPED

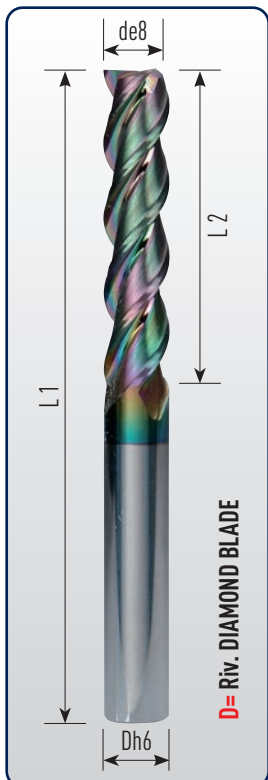
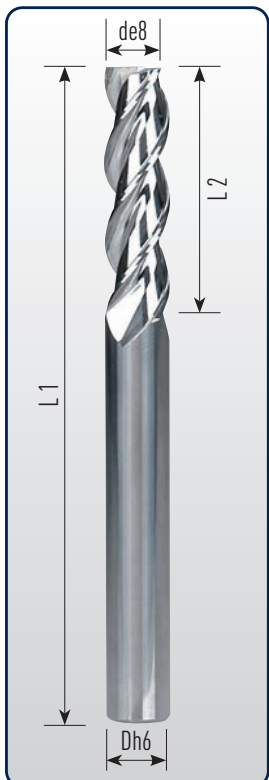
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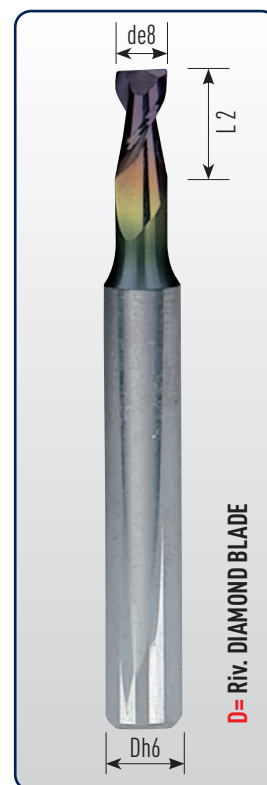
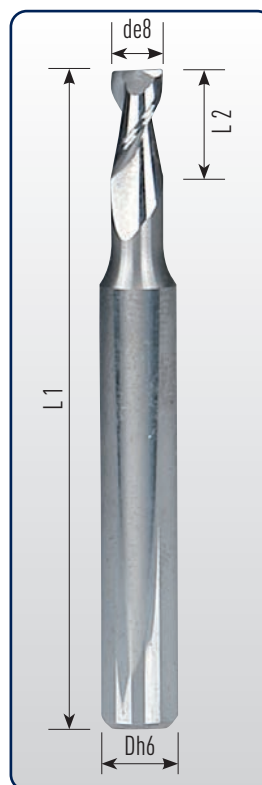
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ALU0603DIL-D	6	65	24	6
ALU0803DIL	8	80	32	8
ALU0803DIL-D	8	80	32	8
ALU1003DIL	10	80	32	10
ALU1003DIL-D	10	80	32	10
ALU1203DIL	12	100	50	12
ALU1203DIL-D	12	100	50	12
ALU1403DIL	14	115	55	14
ALU1403DIL-D	14	115	55	14
ALU1603DIL	16	120	60	16
ALU1603DIL-D	16	120	60	16
ALU2003DIL	20	130	60	20
ALU2003DIL-D	20	130	60	20

FRESE A DUE DENTI GAMBO RINFORZATO LAPPATE

TWO FLUTE END MILLS REINFORCED SHANK LAPPED



CODICE/CODE	de8	L1	L2	Dh6
ALU0102TPR	1	38	2	3
ALU0102TPR-D	1	38	2	3
ALU01502TPR	1,5	38	3	3
ALU01502TPR-D	1,5	38	3	3
ALU0202TPR	2	50	4	4
ALU0202TPR-D	2	50	4	4
ALU02502TPR	2,5	50	5	4
ALU02502TPR-D	2,5	50	5	4
ALU0302TPR	3	50	6	6
ALU0302TPR-D	3	50	6	6
ALU03502TPR	3,5	50	6	6
ALU03502TPR-D	3,5	50	6	6
ALU0402TPR	4	50	8	6
ALU0402TPR-D	4	50	8	6
ALU04502TPR	4,5	50	8	6
ALU04502TPR-D	4,5	50	8	6
ALU0502TPR	5	50	10	6
ALU0502TPR-D	5	50	10	6
ALU05502TPR	5,5	50	10	6
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UTENSILI IN METALLO DURO RIVESTITI PER LAVORAZIONI SU ACCIAI INOX

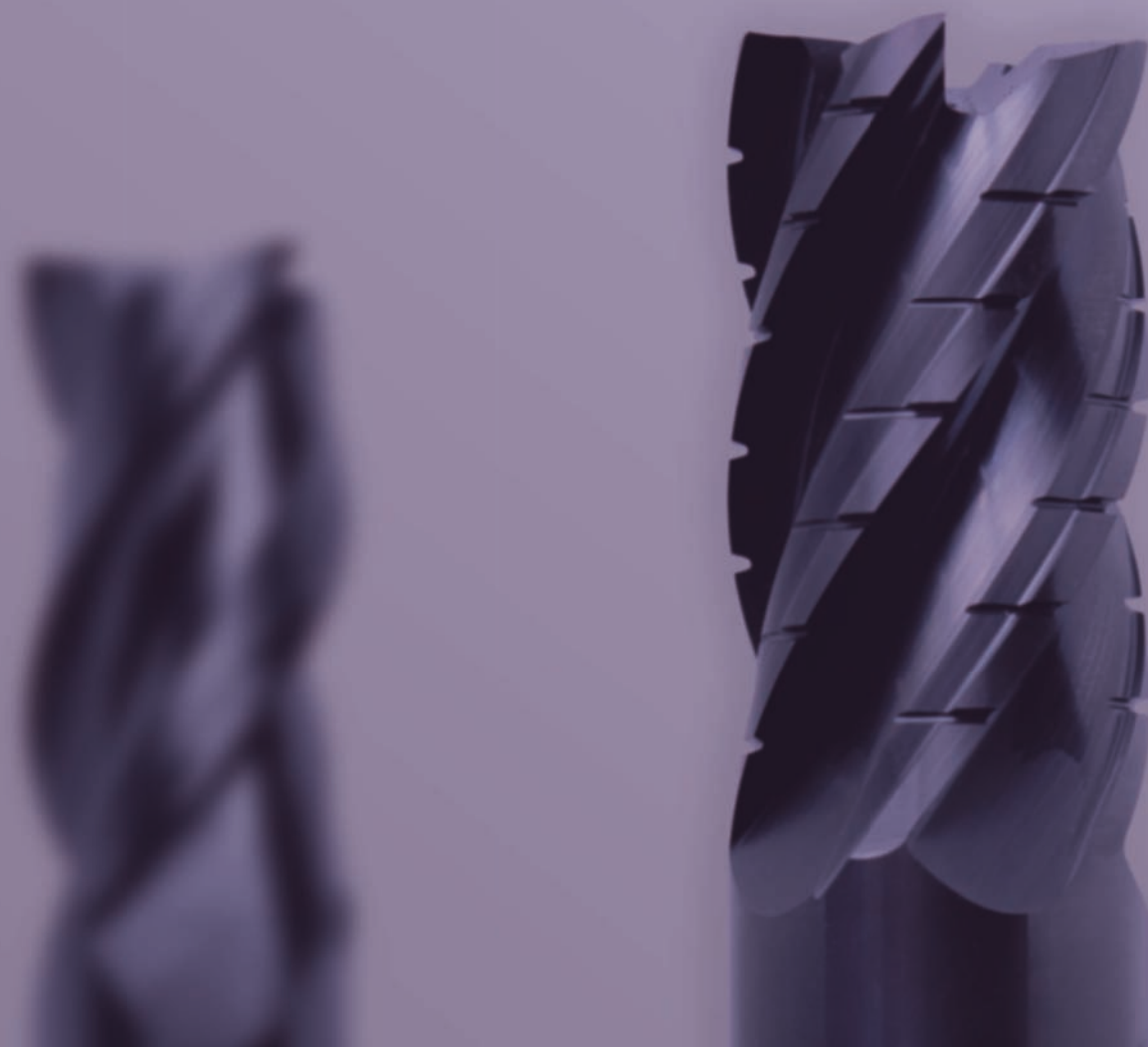
SOLID CARBIDE COVERED TOOLS FOR STAINLESS STEEL



PROGRAMMA DI FRESE CON SUPERFICI LAPPATE, RIVESTITE PER LAVORAZIONE SU ACCIAI INOX

PROGRAM CUTTERS WITH LAPPED SURFACES, COVERED FOR WORKING ON STAINLESS STEEL

Le nostre frese lappate per lavorazioni su acciai inox, si distinguono per le altissime prestazioni e “velocità di taglio elevatissime”, pur mantenendo un ottimo grado di finitura e una durata maggiore grazie anche ai fori di lubrificazione interni e il nostro rivestimento.



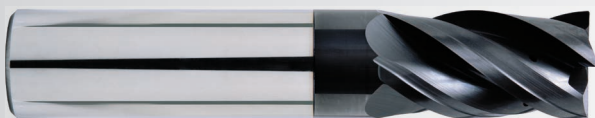
INDICE PRODOTTI

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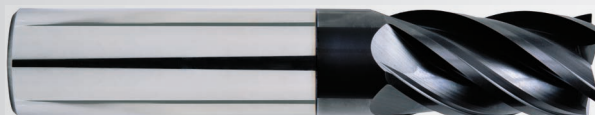
- 54** FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE E RIVESTITE
THREE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED AND COATED



- 54** FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE E RIVESTITE
FOUR FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED AND COATED



- 55** FRESE A CINQUE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE E RIVESTITE
FIVE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED AND COATED



- 56** FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
TAGLIO INTERROTTO RIVESTITE
THREE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED INTERRUPTED CUT AND COATED



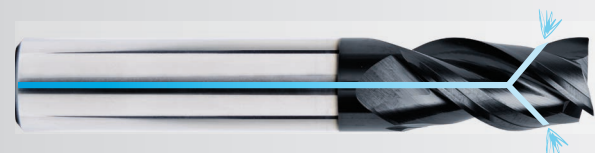
- 56** FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
TAGLIO INTERROTTO RIVESTITE
FOUR FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED INTERRUPTED CUT AND COATED



- 57** FRESE A CINQUE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
TAGLIO INTERROTTO RIVESTITE
FIVE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED INTERRUPTED CUT AND COATED



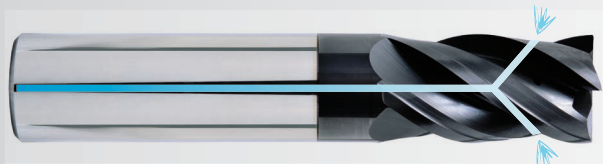
- 58** FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
CON FORI LUBRIFICAZIONE INTERNI RIVESTITE
*THREE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES*



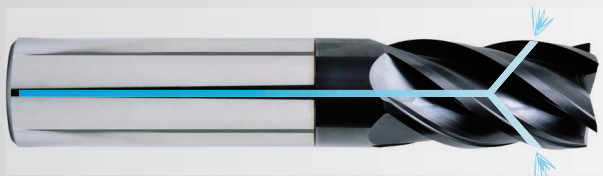
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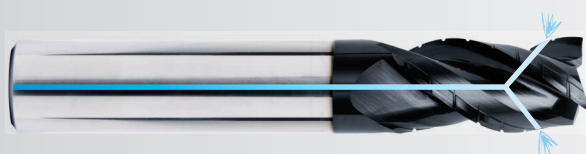
- 58** FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
CON FORI LUBRIFICAZIONE INTERNI RIVESTITE
*FOUR FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES*



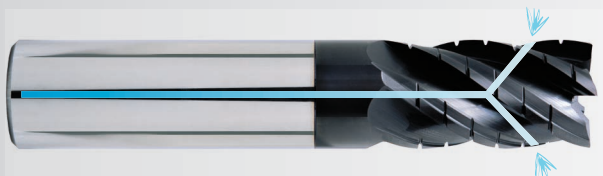
- 59** FRESE A CINQUE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
CON FORI LUBRIFICAZIONE INTERNI RIVESTITE
*FIVE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES*



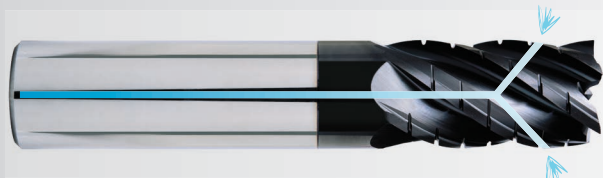
- 60** FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
CON FORI LUBRIFICAZIONE INTERNI TAGLIO INTERROTTO RIVESTITE
*THREE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES INTERRUPTED CUT*

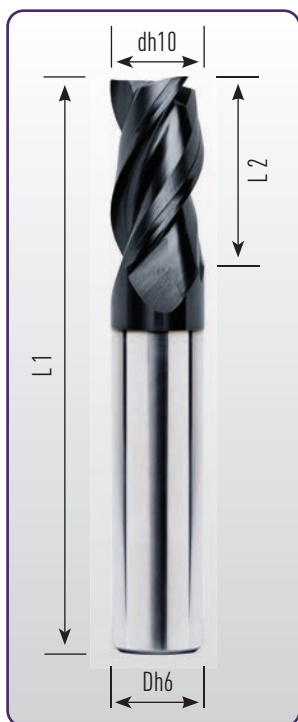


- 60** FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE
CON FORI LUBRIFICAZIONE INTERNI TAGLIO INTERROTTO RIVESTITE
*FOUR FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES INTERRUPTED CUT*



- 61** FRESE A CINQUE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE CON
FORI LUBRIFICAZIONE INTERNI TAGLIO INTERROTTO RIVESTITE
*FIVE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES INTERRUPTED CUT*

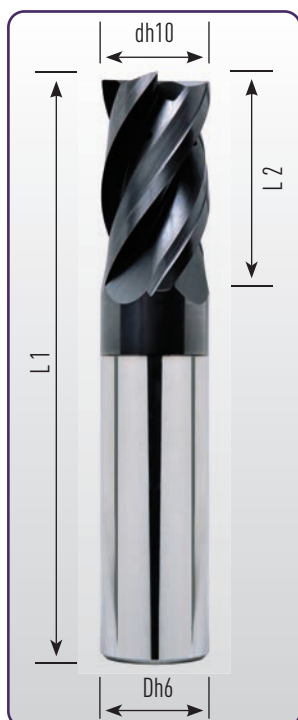
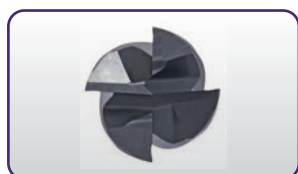




FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE E RIVESTITE *THREE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED AND COATED*



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0603LAPPED	6	57	16	6
FDI0803LAPPED	8	63	19	8
FDI1003LAPPED	10	72	22	10
FDI1203LAPPED	12	83	26	12
FDI1403LAPPED	14	83	28	14
FDI1603LAPPED	16	92	32	16
FDI1803LAPPED	18	92	36	18
FDI2003LAPPED	20	105	38	20
FDI2503LAPPED	25	125	50	25



FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE E RIVESTITE *FOUR FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED AND COATED*

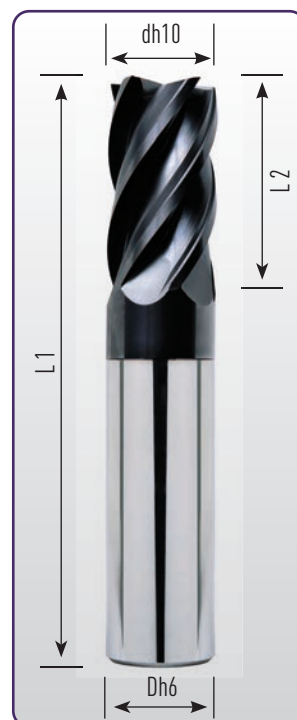
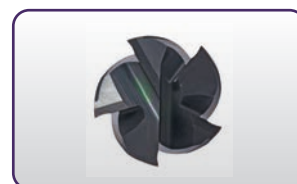


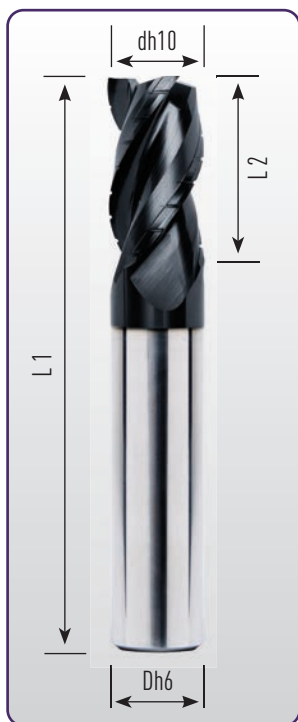
CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0604LAPPED	6	57	16	6
FDI0804LAPPED	8	63	19	8
FDI1004LAPPED	10	72	22	10
FDI1204LAPPED	12	83	26	12
FDI1404LAPPED	14	83	28	14
FDI1604LAPPED	16	92	32	16
FDI1804LAPPED	18	92	36	18
FDI2004LAPPED	20	105	38	20
FDI2504LAPPED	25	125	50	25

**FRESE A CINQUE DENTI DIVISIONE IRREGOLARE ELICA
INDIPENDENTE LAPPATE E RIVESTITE**
*FIVE FLUTE END MILLS WITH IRREGULAR DIVISION
LAPPED AND COATED*



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0605LAPPED	6	57	16	6
FDI0805LAPPED	8	63	19	8
FDI1005LAPPED	10	72	22	10
FDI1205LAPPED	12	83	26	12
FDI1405LAPPED	14	83	28	14
FDI1605LAPPED	16	92	32	16
FDI1805LAPPED	18	92	36	18
FDI2005LAPPED	20	105	38	20
FDI2505LAPPED	25	125	50	25

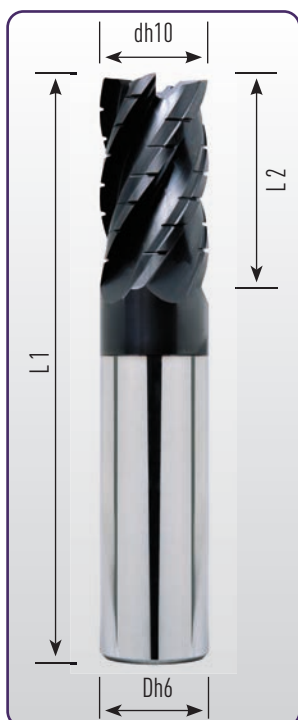
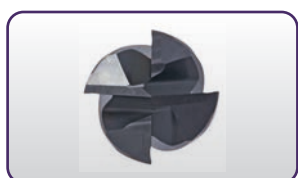




**FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA
INDIPENDENTE LAPPATE TAGLIO INTERROTTO RIVESTITE**
*THREE FLUTE END MILLS WITH IRREGULAR DIVISION
LAPPED INTERRUPTED CUT AND COATED*



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0603LAPPED-T	6	57	16	6
FDI0803LAPPED-T	8	63	19	8
FDI1003LAPPED-T	10	72	22	10
FDI1203LAPPED-T	12	83	26	12
FDI1403LAPPED-T	14	83	28	14
FDI1603LAPPED-T	16	92	32	16
FDI1803LAPPED-T	18	92	36	18
FDI2003LAPPED-T	20	105	38	20
FDI2503LAPPED-T	25	125	50	25



**FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA
INDIPENDENTE LAPPATE TAGLIO INTERROTTO RIVESTITE**
*FOUR FLUTE END MILLS WITH IRREGULAR DIVISION
LAPPED INTERRUPTED CUT AND COATED*

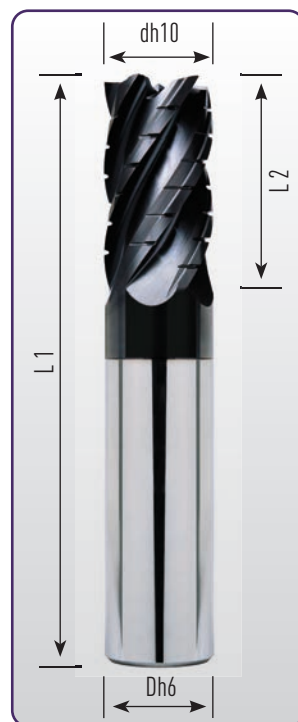


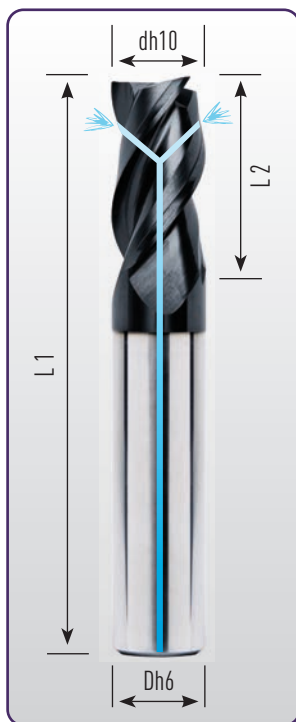
CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0604LAPPED-T	6	57	16	6
FDI0804LAPPED-T	8	63	19	8
FDI1004LAPPED-T	10	72	22	10
FDI1204LAPPED-T	12	83	26	12
FDI1404LAPPED-T	14	83	28	14
FDI1604LAPPED-T	16	92	32	16
FDI1804LAPPED-T	18	92	36	18
FDI2004LAPPED-T	20	105	38	20
FDI2504LAPPED-T	25	125	50	25

**FRESE A CINQUE DENTI DIVISIONE IRREGOLARE ELICA
INDIPENDENTE LAPPATE TAGLIO INTERROTTO RIVESTITE**
*FIVE FLUTE END MILLS WITH IRREGULAR DIVISION
LAPPED INTERRUPTED CUT AND COATED*



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0605LAPPED-T	6	57	16	6
FDI0805LAPPED-T	8	63	19	8
FDI1005LAPPED-T	10	72	22	10
FDI1205LAPPED-T	12	83	26	12
FDI1405LAPPED-T	14	83	28	14
FDI1605LAPPED-T	16	92	32	16
FDI1805LAPPED-T	18	92	36	18
FDI2005LAPPED-T	20	105	38	20
FDI2505LAPPED-T	25	125	50	25

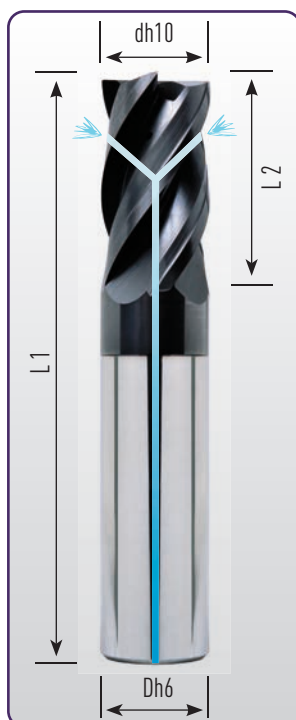
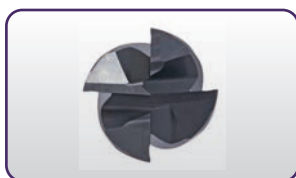




FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE
LAPPATE CON FORI LUBRIFICAZIONE INTERNI RIVESTITE
THREE FLUTE END MILLS WITH IRREGULAR DIVISION
LAPPED, COATED AND WITH COOLANT HOLES



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0603HYDRO	6	57	16	6
FDI0803HYDRO	8	63	19	8
FDI1003HYDRO	10	72	22	10
FDI1203HYDRO	12	83	26	12
FDI1403HYDRO	14	83	28	14
FDI1603HYDRO	16	92	32	16
FDI1803HYDRO	18	92	36	18
FDI2003HYDRO	20	105	38	20
FDI2503HYDRO	25	125	50	25



FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE
ELICA INDIPENDENTE LAPPATE CON FORI LUBRIFICAZIONE
INTERNI RIVESTITE
FOUR FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES

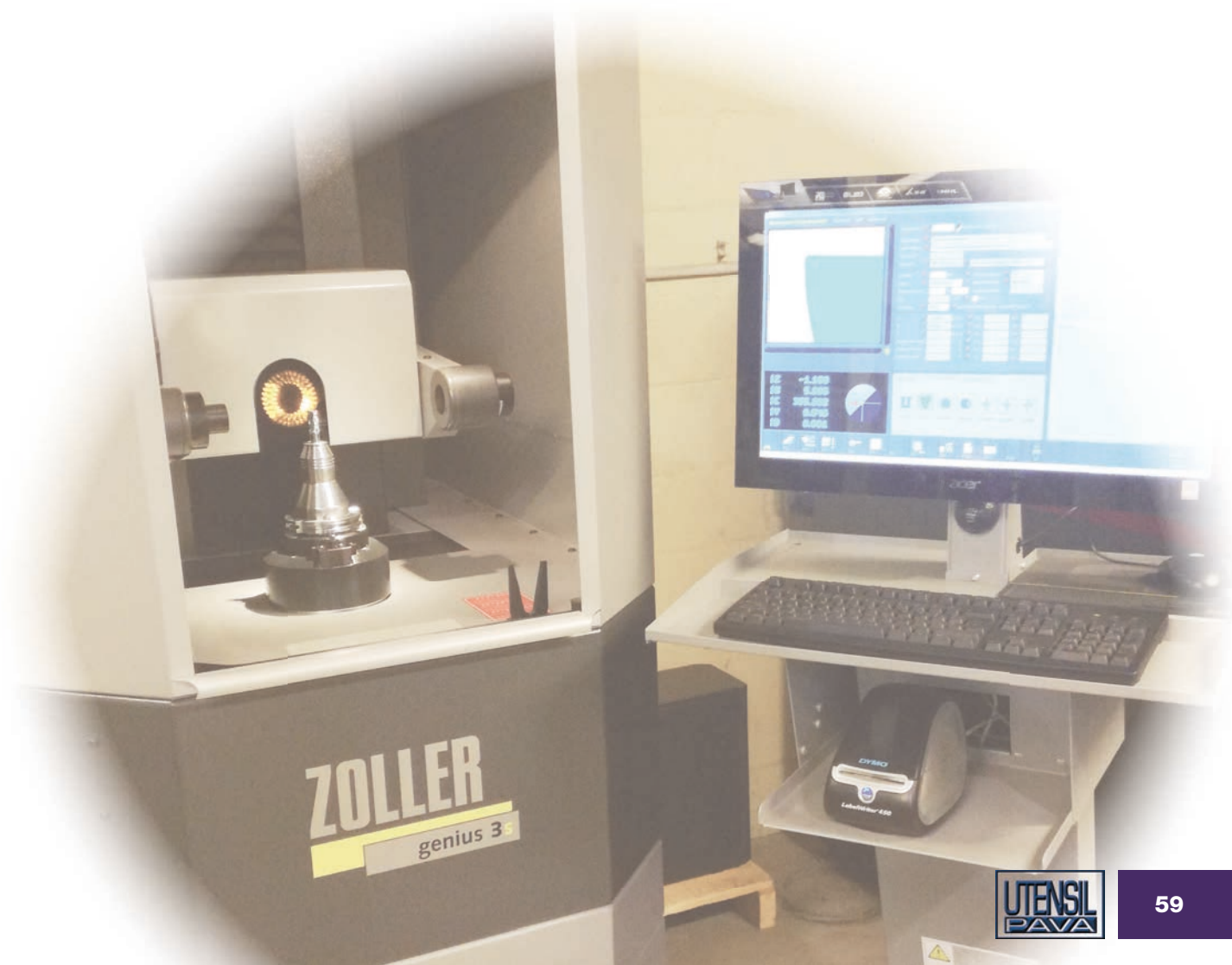
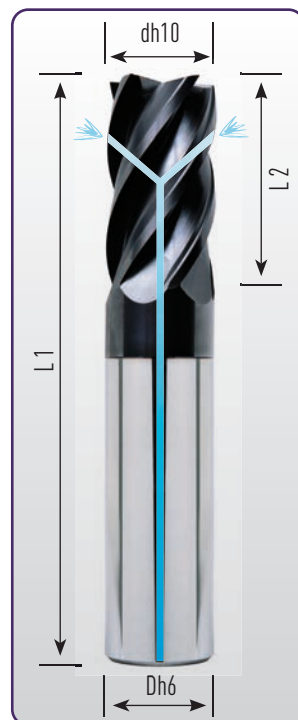


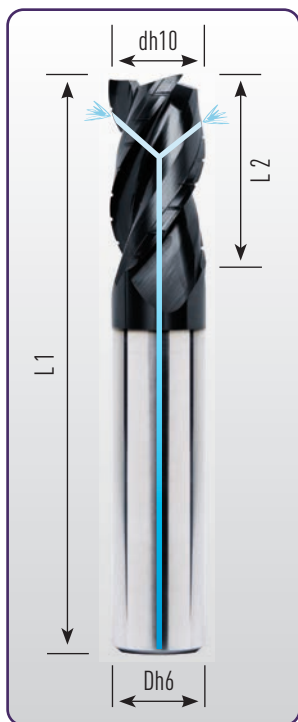
CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0604HYDRO	6	57	16	6
FDI0804HYDRO	8	63	19	8
FDI1004HYDRO	10	72	22	10
FDI1204HYDRO	12	83	26	12
FDI1404HYDRO	14	83	28	14
FDI1604HYDRO	16	92	32	16
FDI1804HYDRO	18	92	36	18
FDI2004HYDRO	20	105	38	20
FDI2504HYDRO	25	125	50	25

FRESE A CINQUE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE
LAPPATE CON FORI LUBRIFICAZIONE INTERNI RIVESTITE
FIVE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0605HYDRO	6	57	16	6
FDI0805HYDRO	8	63	19	8
FDI1005HYDRO	10	72	22	10
FDI1205HYDRO	12	83	26	12
FDI1405HYDRO	14	83	28	14
FDI1605HYDRO	16	92	32	16
FDI1805HYDRO	18	92	36	18
FDI2005HYDRO	20	105	38	20
FDI2505HYDRO	25	125	50	25





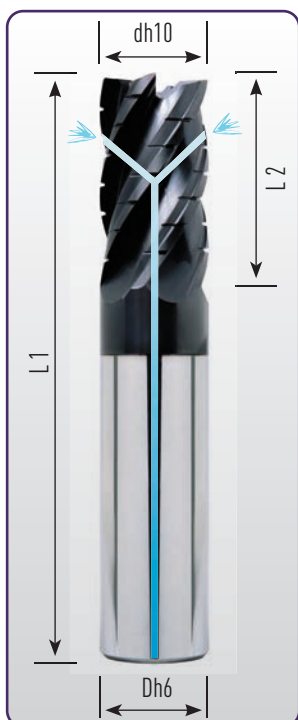
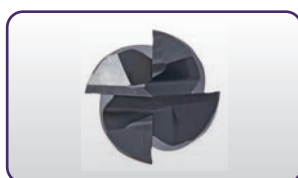
FRESE A TRE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE CON FORI LUBRIFICAZIONE INTERNI

TAGLIO INTERROTTO RIVESTITE

*THREE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES INTERRUPTED CUT*



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0603HYDRO-T	6	57	16	6
FDI0803HYDRO-T	8	63	19	8
FDI1003HYDRO-T	10	72	22	10
FDI1203HYDRO-T	12	83	26	12
FDI1403HYDRO-T	14	83	28	14
FDI1603HYDRO-T	16	92	32	16
FDI1803HYDRO-T	18	92	36	18
FDI2003HYDRO-T	20	105	38	20
FDI2503HYDRO-T	25	125	50	25



FRESE A QUATTRO DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE LAPPATE CON FORI LUBRIFICAZIONE INTERNI

TAGLIO INTERROTTO RIVESTITE

*FOUR FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES INTERRUPTED CUT*



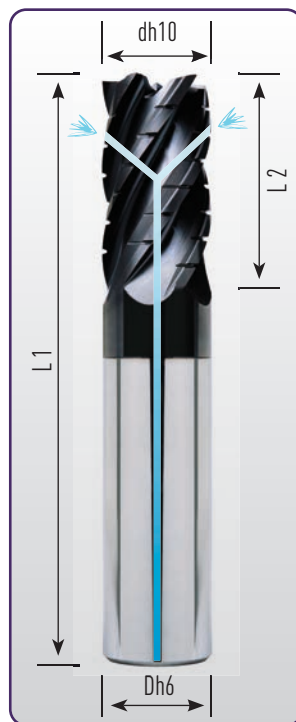
CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0604HYDRO-T	6	57	16	6
FDI0804HYDRO-T	8	63	19	8
FDI1004HYDRO-T	10	72	22	10
FDI1204HYDRO-T	12	83	26	12
FDI1404HYDRO-T	14	83	28	14
FDI1604HYDRO-T	16	92	32	16
FDI1804HYDRO-T	18	92	36	18
FDI2004HYDRO-T	20	105	38	20
FDI2504HYDRO-T	25	125	50	25

**FRESE A CINQUE DENTI DIVISIONE IRREGOLARE ELICA INDIPENDENTE
LAPPATE CON FORI LUBRIFICAZIONE INTERNI TAGLIO INTERROTTO
RIVESTITE**

*FIVE FLUTE END MILLS WITH IRREGULAR DIVISION LAPPED,
COATED AND WITH COOLANT HOLES INTERRUPTED CUT*



CODICE	DIAMETRO	LUNG. TAGL.	LUNG. TOT.	DIAMETRO GAMBO
CODE	DIAMETER	LENGTH OF CUT	OVERAL LENGTH	SHANK DIAMETER
	dh10	L1	L2	Dh6
FDI0605HYDRO-T	6	57	16	6
FDI0805HYDRO-T	8	63	19	8
FDI1005HYDRO-T	10	72	22	10
FDI1205HYDRO-T	12	83	26	12
FDI1405HYDRO-T	14	83	28	14
FDI1605HYDRO-T	16	92	32	16
FDI1805HYDRO-T	18	92	36	18
FDI2005HYDRO-T	20	105	38	20
FDI2505HYDRO-T	25	125	50	25





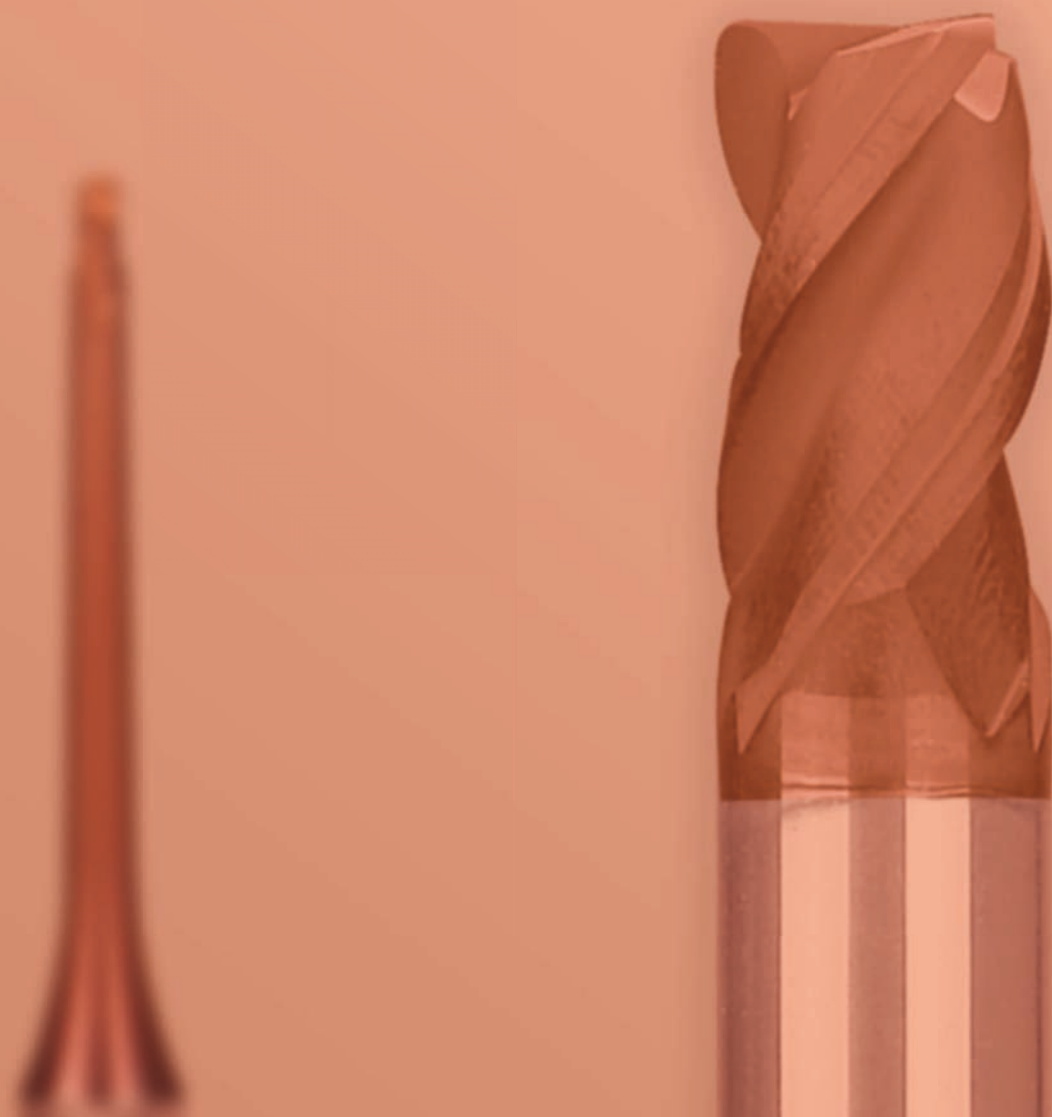
FRESE IN METALLO DURO HSC RIVESTITE

HSC SOLID CARBIDE COVERED CUTTERS



PROGRAMMA DI FRESE IN METALLO DURO HSC
SUPERMICROGRANA RIVESTITE
AD ALTISSIME PRESTAZIONI
PER LAVORAZIONI A SECCO SU ACCIAI LEGATI,
TEMPRATI, RAME E GRAFITE

PROGRAM FOR HARD METAL HSC MILLS COATED
SUPERMICROGRANE HIGH PERFORMANCES
FOR DRY MACHINING ON ALLOIED STEELS,
HARDENED, COPPER AND GRAPHITE



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- 68** FRESE TORICHE A DUE DENTI IN METALLO DURO RIVESTITO "HARD BLADE"
PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
TORIC TWO FLUTE END MILLS COATED SOLID CARBIDE

Ø 2 - 3 - 4 - 5 - 6 - 8 - 10 - 12



- 69** FRESE TORICHE A TRE DENTI IN METALLO DURO RIVESTITO "HARD BLADE"
PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
TORIC THREE FLUTE END MILLS COATED SOLID CARBIDE

Ø 2 - 3 - 4 - 5 - 6 - 8 - 10 - 12



- 70** FRESE TORICHE A QUATTRO DENTI IN METALLO DURO RIVESTITO "HARD BLADE"
PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
TORIC FOUR FLUTE END MILLS COATED SOLID CARBIDE

Ø 3 - 4 - 5 - 6 - 8 - 10 - 12



- 71** MICRO FRESE TORICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO
"HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
MINIATURE TORIC END MILLS REINFORCED SOLID CARBIDE COATED

Ø 0,5 - 0,6 - 0,8 - 1 - 1,2 - 1,5



- 71** MICRO FRESE TORICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO
"HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
MINIATURE TORIC END MILLS REINFORCED SOLID CARBIDE COATED

Ø 0,8 - 1 - 1,2 - 1,5



- 72** FRESE TORICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE"
PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
TORIC END MILLS REINFORCED SOLID CARBIDE COATED

Ø 2 - 2,5 - 3 - 4



- 73** FRESE TORICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE"
PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
TORIC END MILLS REINFORCED SOLID CARBIDE COATED

Ø 2 - 2,5 - 3 - 4



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- 74** FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET

Ø 0,5 - 0,6 - 0,8 - 1 - 1,2 - 1,5 - 2 - 2,5 - 3 - 4



- 98** FRESE A DUE DENTI A TESTA SEMISFERICA IN METALLO DURO RIVESTITE "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
BALL-NOSED TWO FLUTE END MILLS COATED SOLID CARBIDE

Ø 2 - 3 - 4 - 5 - 6 - 8 - 10 - 12



- 99** MICROFRESE SFERICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
MINIATURE BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED

Ø 0,5 - 0,6 - 0,8 - 1 - 1,2 - 1,5



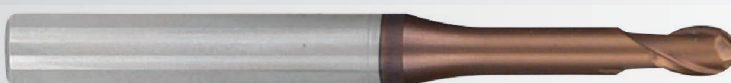
- 99** MICROFRESE SFERICHE SCARICATE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
MINIATURE BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED

Ø 0,8 - 1 - 1,2 - 1,5



- 100** FRESE SFERICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED

Ø 2 - 2,5 - 3 - 4



- 101** FRESE SFERICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET

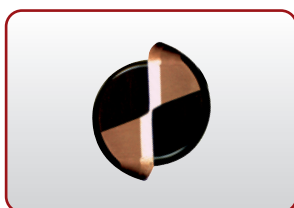
Ø 0,5 - 0,6 - 0,8 - 1 - 1,2 - 1,5 - 2 - 2,5 - 3 - 4



**FRESE TORICHE A DUE DENTI IN METALLO DURO RIVESTITO "HARD BLADE"
PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC TWO FLUTE END MILLS COATED SOLID CARBIDE



Ø 2 - 3 - 4 - 5 - 6 - 8 - 10 - 12



CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	LUNG. TAGL.
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	LENGTH OF CUT
	D	Z	R	L	L1
TCA02020250	2	2	0,2	50	4
TCA02020550	2	2	0,5	50	4
TCA03020260	3	2	0,2	60	6
TCA03020560	3	2	0,5	60	6
TCA04020560	4	2	0,5	60	7
TCA04021060	4	2	1	60	7
TCA04020580	4	2	0,5	80	7
TCA04021080	4	2	1	80	7
TCA05020560	5	2	0,5	60	7
TCA05021060	5	2	1	60	7
TCA05020580	5	2	0,5	80	7
TCA05021080	5	2	1	80	7
TCA06020580	6	2	0,5	80	10
TCA06021080	6	2	1	80	10
TCA060205100	6	2	0,5	100	10
TCA060210100	6	2	1	100	10
TCA08020580	8	2	0,5	80	14
TCA08021080	8	2	1	80	14
TCA080205100	8	2	0,5	100	14
TCA080210100	8	2	1	100	14
TCA080205160	8	2	0,5	160	14
TCA080210160	8	2	1	160	14
TCA10020580	10	2	0,5	80	18
TCA10021080	10	2	1	80	18
TCA100205100	10	2	0,5	100	18
TCA100210100	10	2	1	100	18
TCA100205160	10	2	0,5	160	18
TCA100210160	10	2	1	160	18
TCA120205100	12	2	0,5	100	20
TCA120210100	12	2	1	100	20
TCA120205160	12	2	0,5	160	20
TCA120210160	12	2	1	160	20

A RICHIESTA SI ESEGUE UNO SCARICO SOTTO TAGLIANTE SENZA AGGIUNTA DI PREZZO

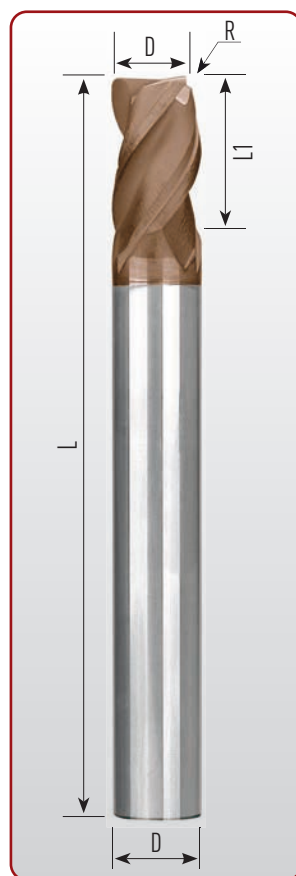
**FRESE TORICHE A TRE DENTI IN METALLO DURO RIVESTITO "HARD BLADE"
PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC THREE FLUTE END MILLS COATED SOLID CARBIDE



Ø 2 - 3 - 4 - 5 - 6 - 8 - 10 - 12

CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	LUNG. TAGL.
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL LENGTH	LENGTH OF CUT
	D	Z	R	L	L1
TCA 02030250	2	3	0,2	50	4
TCA 02030550	2	3	0,5	50	4
TCA 03030260	3	3	0,2	60	6
TCA 03030560	3	3	0,5	60	6
TCA 04030560	4	3	0,5	60	6
TCA 04031060	4	3	1	60	6
TCA 04030580	4	3	0,5	80	6
TCA 04031080	4	3	1	80	6
TCA 05030560	5	3	0,5	60	6
TCA 05031060	5	3	1	60	6
TCA 05030580	5	3	0,5	80	6
TCA 05031080	5	3	1	80	6
TCA 06030580	6	3	0,5	80	10
TCA 06031080	6	3	1	80	10
TCA 060305100	6	3	0,5	100	10
TCA 060310100	6	3	1	100	10
TCA 08030580	8	3	0,5	80	14
TCA 08031080	8	3	1	80	14
TCA 080305100	8	3	0,5	100	14
TCA 080310100	8	3	1	100	14
TCA 080305160	8	3	0,5	160	14
TCA 080310160	8	3	1	160	14
TCA 10030580	10	3	0,5	80	18
TCA 10031080	10	3	1	80	18
TCA 100305100	10	3	0,5	100	18
TCA 100310100	10	3	1	100	18
TCA 100305160	10	3	0,5	160	18
TCA 100310160	10	3	1	160	18
TCA 120305100	12	3	0,5	100	20
TCA 120310100	12	3	1	100	20
TCA 120305160	12	3	0,5	160	20
TCA 120310160	12	3	1	160	20

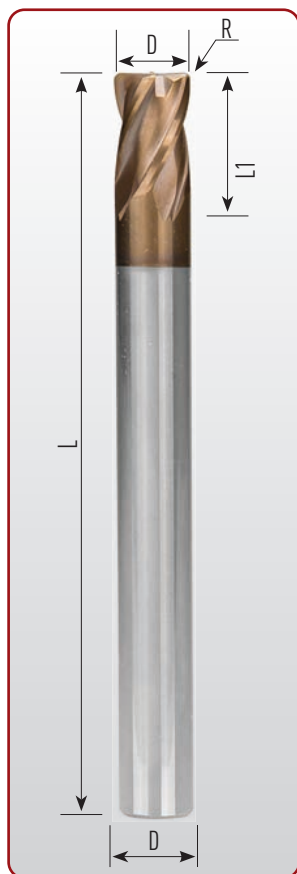
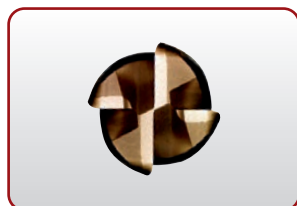
A RICHIESTA SI ESEGUE UNO SCARICO SOTTO TAGLIANTE SENZA AGGIUNTA DI PREZZO



FRESE TORICHE A QUATTRO DENTI IN METALLO DURO RIVESTITO
"HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
TORIC FOUR FLUTE END MILLS COATED SOLID CARBIDE



Ø 3 - 4 - 5 - 6 - 8 - 10 - 12



CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	LUNG. TAGL.
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	LENGTH OF CUT
	D	Z	R	L	L1
TCA03040260	3	4	0,2	60	6
TCA03040560	3	4	0,5	60	6
TCA04040560	4	4	0,5	60	7
TCA04041060	4	4	1	60	7
TCA04040580	4	4	0,5	80	7
TCA04041080	4	4	1	80	7
TCA05040560	5	4	0,5	60	7
TCA05041060	5	4	1	60	7
TCA05040580	5	4	0,5	80	7
TCA05041080	5	4	1	80	7
TCA06040580	6	4	0,5	80	10
TCA06041080	6	4	1	80	10
TCA060405100	6	4	0,5	100	10
TCA060410100	6	4	1	100	10
TCA08040580	8	4	0,5	80	14
TCA08041080	8	4	1	80	14
TCA080405100	8	4	0,5	100	14
TCA080410100	8	4	1	100	14
TCA080405160	8	4	0,5	160	14
TCA080410160	8	4	1	160	14
TCA10040580	10	4	0,5	80	18
TCA10041080	10	4	1	80	18
TCA100405100	10	4	0,5	100	18
TCA100410100	10	4	1	100	18
TCA100405160	10	4	0,5	160	18
TCA100410160	10	4	1	160	18
TCA120405100	12	4	0,5	100	20
TCA120410100	12	4	1	100	20
TCA120405160	12	4	0,5	160	20
TCA120410160	12	4	1	160	20

A RICHIESTA SI ESEGUE UNO SCARICO SOTTO TAGLIANTE SENZA AGGIUNTA DI PREZZO

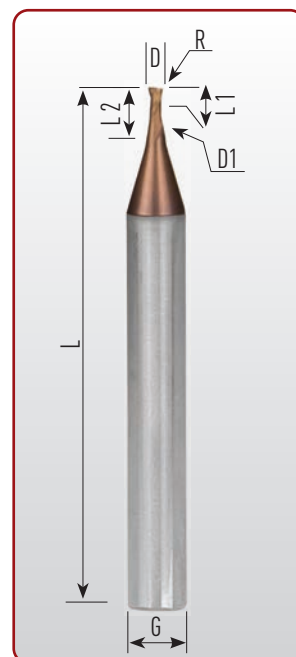
MICRO FRESE TORICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI

MINIATURE TORIC END MILLS REINFORCED SOLID CARBIDE COATED



Ø 0,5 - 0,6 - 0,8 - 1 - 1,2 - 1,5

CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	LUNG. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	DIAMETRO SCARICO
CODE	DIAMETER	N° FLUTE	CORNER RADIUS	OVERAL LENGTH	LENGTH OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK DIAMETER
	D	Z	R	L	L1	L2	G	D1
MTA0502005658	0,5	2	0,05	58	0,8	1,5	6	0,45
MTA0602006658	0,6	2	0,06	58	1,0	1,6	6	0,55
MTA0802008658	0,8	2	0,08	58	1,5	2,0	6	0,75
MTA100201658	1	2	0,10	58	1,5	2,0	6	0,95
MTA1202012658	1,2	2	0,12	58	1,8	2,5	6	1,15
MTA1502015658	1,5	2	0,15	58	2,0	2,5	6	1,45



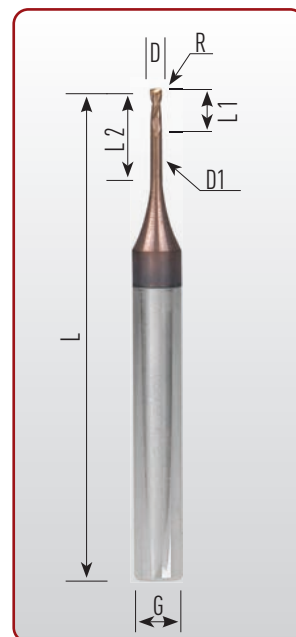
MICRO FRESE TORICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI

MINIATURE TORIC END MILLS REINFORCED SOLID CARBIDE COATED



Ø 0,8 - 1 - 1,2 - 1,5

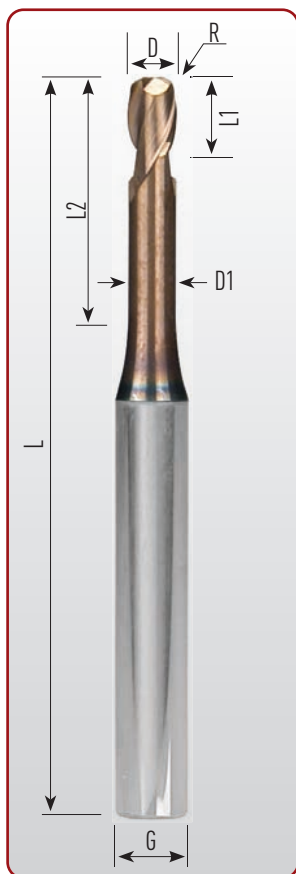
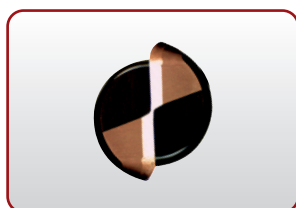
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	LUNG. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	DIAMETRO SCARICO
CODE	DIAMETER	N° FLUTE	CORNER RADIUS	OVERAL LENGTH	LENGTH OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK DIAMETER
	D	Z	R	L	L1	L2	G	D1
MTSA08020085	0,8	2	0,08	58	1,2	5	6	0,7
MTSA080200810	0,8	2	0,08	58	1,2	10	6	0,7
MTSA01002015	1	2	0,10	58	1,5	5	6	0,9
MTSA010020110	1	2	0,10	58	1,5	10	6	0,9
MTSA010020115	1	2	0,10	58	1,5	15	6	0,9
MTSA012020125	1,2	2	0,12	58	1,6	5	6	1,1
MTSA0120201210	1,2	2	0,12	58	1,6	10	6	1,1
MTSA0120201215	1,2	2	0,12	58	1,6	15	6	1,1
MTSA015020155	1,5	2	0,15	58	1,8	5	6	1,4
MTSA0150201510	1,5	2	0,15	58	1,8	10	6	1,4
MTSA0150201515	1,5	2	0,15	58	1,8	15	6	1,4



FRESE TORICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE"
PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
TORIC END MILLS REINFORCED SOLID CARBIDE COATED



Ø 2 - 2,5 - 3 - 4



CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	LUNG. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	DIAMETRO SCARICO
CODE	DIAMETER	N° FLUTE	CORNER RADIUS	OVERAL LENGTH	LENGTH OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK DIAMETER
	D	Z	R	L	L1	L2	G	D1
TRSA0202025810	2	2	0,2	58	4	10	6	1,9
TRSA0202025815	2	2	0,2	58	4	15	6	1,9
TRSA0202025820	2	2	0,2	58	4	20	6	1,9
TRSA0202025825	2	2	0,2	58	4	25	6	1,9
TRSA0202028010	2	2	0,2	80	4	10	6	1,9
TRSA0202028015	2	2	0,2	80	4	15	6	1,9
TRSA0202028020	2	2	0,2	80	4	20	6	1,9
TRSA0202028025	2	2	0,2	80	4	25	6	1,9
TRSA0202055810	2	2	0,5	58	4	10	6	1,9
TRSA0202055815	2	2	0,5	58	4	15	6	1,9
TRSA0202055820	2	2	0,5	58	4	20	6	1,9
TRSA0202055825	2	2	0,5	58	4	25	6	1,9
TRSA0202058010	2	2	0,5	80	4	10	6	1,9
TRSA0202058015	2	2	0,5	80	4	15	6	1,9
TRSA0202058020	2	2	0,5	80	4	20	6	1,9
TRSA0202058025	2	2	0,5	80	4	25	6	1,9
TRSA02502025810	2,5	2	0,2	58	4	10	6	2,4
TRSA02502025815	2,5	2	0,2	58	4	15	6	2,4
TRSA02502025820	2,5	2	0,2	58	4	20	6	2,4
TRSA02502025825	2,5	2	0,2	58	4	25	6	2,4
TRSA02502028010	2,5	2	0,2	80	4	10	6	2,4
TRSA02502028015	2,5	2	0,2	80	4	15	6	2,4
TRSA02502028020	2,5	2	0,2	80	4	20	6	2,4
TRSA02502028025	2,5	2	0,2	80	4	25	6	2,4
TRSA02502055810	2,5	2	0,5	58	4	10	6	2,4
TRSA02502055815	2,5	2	0,5	58	4	15	6	2,4
TRSA02502055820	2,5	2	0,5	58	4	20	6	2,4
TRSA02502055825	2,5	2	0,5	58	4	25	6	2,4
TRSA02502058010	2,5	2	0,5	80	4	10	6	2,4
TRSA02502058015	2,5	2	0,5	80	4	15	6	2,4
TRSA02502058020	2,5	2	0,5	80	4	20	6	2,4
TRSA02502058025	2,5	2	0,5	80	4	25	6	2,4
TRSA0302025810	3	2	0,2	58	6	10	6	2,9
TRSA0302025815	3	2	0,2	58	6	15	6	2,9
TRSA0302025820	3	2	0,2	58	6	20	6	2,9

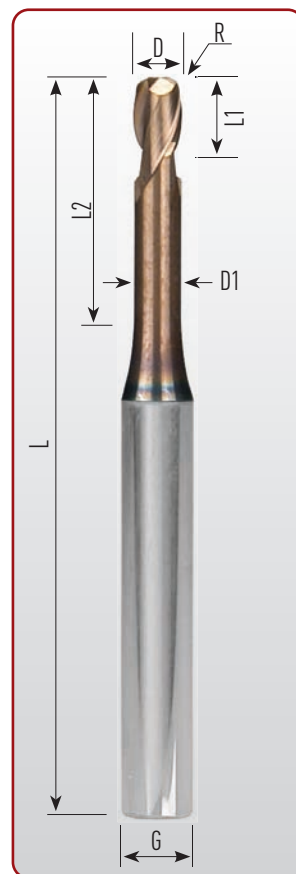
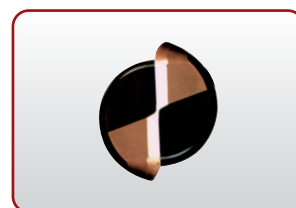
FRESE TORICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI

TORIC END MILLS REINFORCED SOLID CARBIDE COATED



Ø 2 - 2,5 - 3 - 4

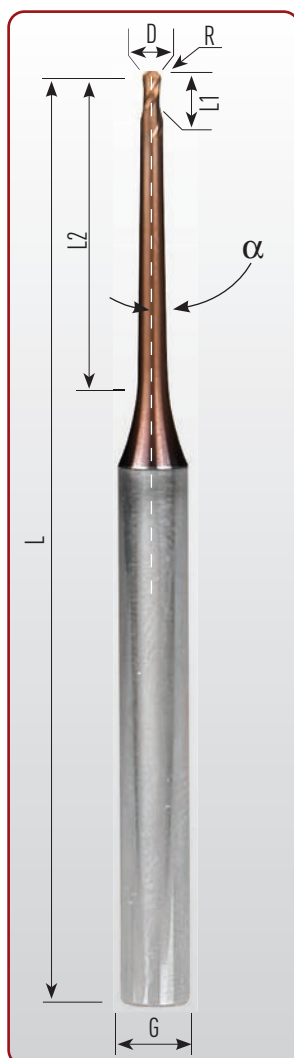
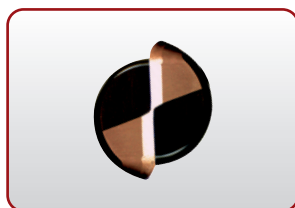
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	DIAMETRO SCARICO
CODE	DIAMETER	N° FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK DIAMETER
	D	Z	R	L	L1	L2	G	D1
TRSA0302025825	3	2	0,2	58	6	25	6	2,9
TRSA0302028010	3	2	0,2	80	6	10	6	2,9
TRSA0302028015	3	2	0,2	80	6	15	6	2,9
TRSA0302028020	3	2	0,2	80	6	20	6	2,9
TRSA0302028025	3	2	0,2	80	6	25	6	2,9
TRSA0302055810	3	2	0,5	58	6	10	6	2,9
TRSA0302055815	3	2	0,5	58	6	15	6	2,9
TRSA0302055820	3	2	0,5	58	6	20	6	2,9
TRSA0302055825	3	2	0,5	58	6	25	6	2,9
TRSA0302058010	3	2	0,5	80	6	10	6	2,9
TRSA0302058015	3	2	0,5	80	6	15	6	2,9
TRSA0302058020	3	2	0,5	80	6	20	6	2,9
TRSA0302058025	3	2	0,5	80	6	25	6	2,9
TRSA0402055810	4	2	0,5	58	6	10	6	3,9
TRSA0402055815	4	2	0,5	58	6	15	6	3,9
TRSA0402055820	4	2	0,5	58	6	20	6	3,9
TRSA0402055825	4	2	0,5	58	6	25	6	3,9
TRSA0402058010	4	2	0,5	80	6	10	6	3,9
TRSA0402058015	4	2	0,5	80	6	15	6	3,9
TRSA0402058020	4	2	0,5	80	6	20	6	3,9
TRSA0402058025	4	2	0,5	80	6	25	6	3,9
TRSA0402058030	4	2	0,5	80	6	30	6	3,9
TRSA040215810	4	2	1	58	6	10	6	3,9
TRSA040215815	4	2	1	58	6	15	6	3,9
TRSA040215820	4	2	1	58	6	20	6	3,9
TRSA040215825	4	2	1	58	6	25	6	3,9
TRSA040218010	4	2	1	80	6	10	6	3,9
TRSA040218015	4	2	1	80	6	15	6	3,9
TRSA040218020	4	2	1	80	6	20	6	3,9
TRSA040218025	4	2	1	80	6	25	6	3,9
TRSA040218030	4	2	1	80	6	30	6	3,9



**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 0,5 - 0,6 - 0,8



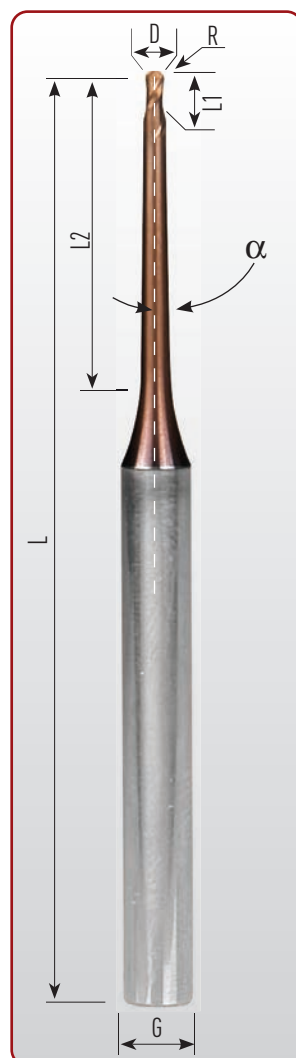
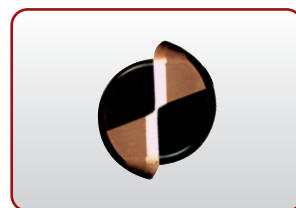
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA050200514560	0,5	2	0,05	60	1	5	4	1,4°
TRCA050200514860	0,5	2	0,05	60	1	8	4	1,4°
TRCA050200509560	0,5	2	0,05	60	1	5	4	0,9°
TRCA050200509860	0,5	2	0,05	60	1	8	4	0,9°
TRCA050200504560	0,5	2	0,05	60	1	5	4	0,4°
TRCA050200504860	0,5	2	0,05	60	1	8	4	0,4°
TRCA060200614560	0,6	2	0,06	60	1	5	4	1,4°
TRCA060200614860	0,6	2	0,06	60	1	8	4	1,4°
TRCA0602006141260	0,6	2	0,06	60	1	12	4	1,4°
TRCA060200609560	0,6	2	0,06	60	1	5	4	0,9°
TRCA060200609860	0,6	2	0,06	60	1	8	4	0,9°
TRCA0602006091260	0,6	2	0,06	60	1	12	4	0,9°
TRCA060200604560	0,6	2	0,06	60	1	5	4	0,4°
TRCA060200604860	0,6	2	0,06	60	1	8	4	0,4°
TRCA0602006041260	0,6	2	0,06	60	1	12	4	0,4°
TRCA0802008141060	0,8	2	0,08	60	1,2	10	4	1,4°
TRCA0802008141560	0,8	2	0,08	60	1,2	15	4	1,4°
TRCA0802008142060	0,8	2	0,08	60	1,2	20	4	1,4°
TRCA0802008091060	0,8	2	0,08	60	1,2	10	4	0,9°
TRCA0802008091560	0,8	2	0,08	60	1,2	15	4	0,9°
TRCA0802008092060	0,8	2	0,08	60	1,2	20	4	0,9°
TRCA0802008041060	0,8	2	0,08	60	1,2	10	4	0,4°
TRCA0802008041560	0,8	2	0,08	60	1,2	15	4	0,4°
TRCA0802008042060	0,8	2	0,08	60	1,2	20	4	0,4°

FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 1

CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA10201141058	1	2	0,1	58	1,5	10	6	1,4°
TRCA10201141558	1	2	0,1	58	1,5	15	6	1,4°
TRCA10201142058	1	2	0,1	58	1,5	20	6	1,4°
TRCA10201142558	1	2	0,1	58	1,5	25	6	1,4°
TRCA10201143080	1	2	0,1	80	1,5	30	6	1,4°
TRCA10201091058	1	2	0,1	58	1,5	10	6	0,9°
TRCA10201091558	1	2	0,1	58	1,5	15	6	0,9°
TRCA10201092058	1	2	0,1	58	1,5	20	6	0,9°
TRCA10201092558	1	2	0,1	58	1,5	25	6	0,9°
TRCA10201093080	1	2	0,1	80	1,5	30	6	0,9°
TRCA10201041058	1	2	0,1	58	1,5	10	6	0,4°
TRCA10201041558	1	2	0,1	58	1,5	15	6	0,4°
TRCA10201042058	1	2	0,1	58	1,5	20	6	0,4°
TRCA10201042558	1	2	0,1	58	1,5	25	6	0,4°
TRCA10201043080	1	2	0,1	80	1,5	30	6	0,4°
TRCA10202141058	1	2	0,2	58	1,5	10	6	1,4°
TRCA10202141558	1	2	0,2	58	1,5	15	6	1,4°
TRCA10202142058	1	2	0,2	58	1,5	20	6	1,4°
TRCA10202142558	1	2	0,2	58	1,5	25	6	1,4°
TRCA10202143080	1	2	0,2	80	1,5	30	6	1,4°
TRCA10202091058	1	2	0,2	58	1,5	10	6	0,9°
TRCA10202091558	1	2	0,2	58	1,5	15	6	0,9°
TRCA10202092058	1	2	0,2	58	1,5	20	6	0,9°
TRCA10202092558	1	2	0,2	58	1,5	25	6	0,9°
TRCA10202093080	1	2	0,2	80	1,5	30	6	0,9°
TRCA10202041058	1	2	0,2	58	1,5	10	6	0,4°
TRCA10202041558	1	2	0,2	58	1,5	15	6	0,4°
TRCA10202042058	1	2	0,2	58	1,5	20	6	0,4°
TRCA10202042558	1	2	0,2	58	1,5	25	6	0,4°
TRCA10202043080	1	2	0,2	80	1,5	30	6	0,4°

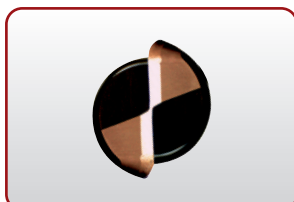


FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI

TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 1,2



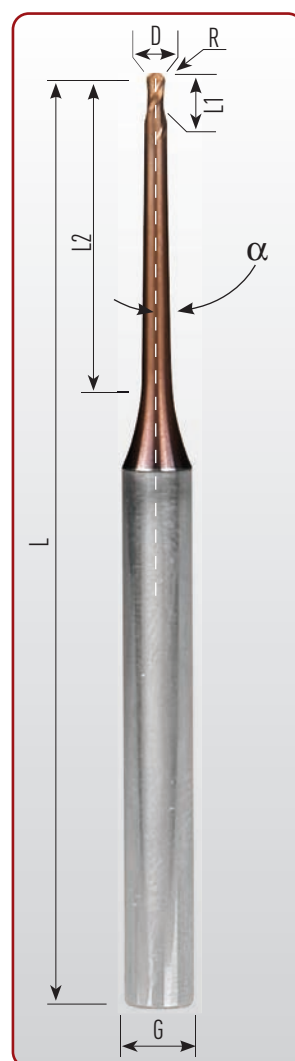
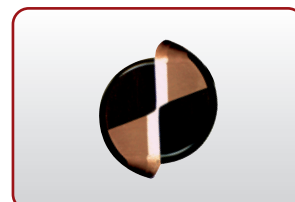
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA1202012141058	1,2	2	0,12	58	1,6	10	6	1,4°
TRCA1202012141558	1,2	2	0,12	58	1,6	15	6	1,4°
TRCA1202012142058	1,2	2	0,12	58	1,6	20	6	1,4°
TRCA1202012142558	1,2	2	0,12	58	1,6	25	6	1,4°
TRCA1202012143080	1,2	2	0,12	80	1,6	30	6	1,4°
TRCA1202012091058	1,2	2	0,12	58	1,6	10	6	0,9°
TRCA1202012091558	1,2	2	0,12	58	1,6	15	6	0,9°
TRCA1202012092058	1,2	2	0,12	58	1,6	20	6	0,9°
TRCA1202012092558	1,2	2	0,12	58	1,6	25	6	0,9°
TRCA1202012093080	1,2	2	0,12	80	1,6	30	6	0,9°
TRCA1202012041058	1,2	2	0,12	58	1,6	10	6	0,4°
TRCA1202012041558	1,2	2	0,12	58	1,6	15	6	0,4°
TRCA1202012042058	1,2	2	0,12	58	1,6	20	6	0,4°
TRCA1202012042558	1,2	2	0,12	58	1,6	25	6	0,4°
TRCA1202012043080	1,2	2	0,12	80	1,6	30	6	0,4°
TRCA1202025141058	1,2	2	0,25	58	1,6	10	6	1,4°
TRCA1202025141558	1,2	2	0,25	58	1,6	15	6	1,4°
TRCA1202025142058	1,2	2	0,25	58	1,6	20	6	1,4°
TRCA1202025142558	1,2	2	0,25	58	1,6	25	6	1,4°
TRCA1202025143080	1,2	2	0,25	80	1,6	30	6	1,4°
TRCA1202025091058	1,2	2	0,25	58	1,6	10	6	0,9°
TRCA1202025091558	1,2	2	0,25	58	1,6	15	6	0,9°
TRCA1202025092058	1,2	2	0,25	58	1,6	20	6	0,9°
TRCA1202025092558	1,2	2	0,25	58	1,6	25	6	0,9°
TRCA1202025093080	1,2	2	0,25	80	1,6	30	6	0,9°
TRCA1202025041058	1,2	2	0,25	58	1,6	10	6	0,4°
TRCA1202025041558	1,2	2	0,25	58	1,6	15	6	0,4°
TRCA1202025042058	1,2	2	0,25	58	1,6	20	6	0,4°
TRCA1202025042558	1,2	2	0,25	58	1,6	25	6	0,4°
TRCA1202025043080	1,2	2	0,25	80	1,6	30	6	0,4°

**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 1,5

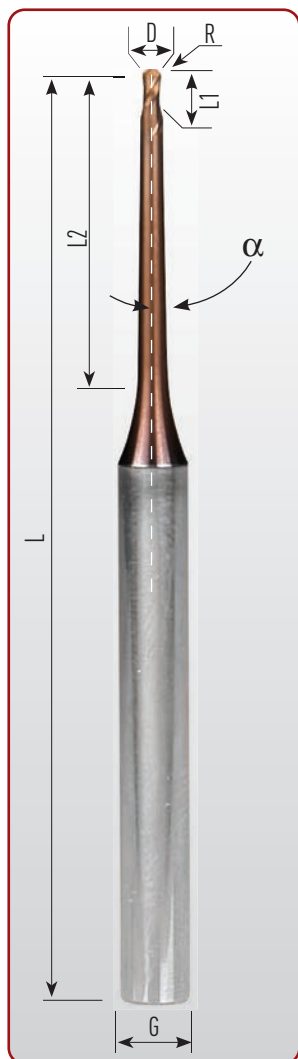
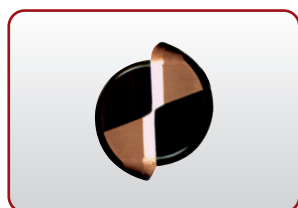
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA1502015141058	1,5	2	0,15	58	1,8	10	6	1,4°
TRCA1502015141558	1,5	2	0,15	58	1,8	15	6	1,4°
TRCA1502015142058	1,5	2	0,15	58	1,8	20	6	1,4°
TRCA1502015142558	1,5	2	0,15	58	1,8	25	6	1,4°
TRCA1502015143080	1,5	2	0,15	80	1,8	30	6	1,4°
TRCA1502015143580	1,5	2	0,15	80	1,8	35	6	1,4°
TRCA1502015091058	1,5	2	0,15	58	1,8	10	6	0,9°
TRCA1502015091558	1,5	2	0,15	58	1,8	15	6	0,9°
TRCA1502015092058	1,5	2	0,15	58	1,8	20	6	0,9°
TRCA1502015092558	1,5	2	0,15	58	1,8	25	6	0,9°
TRCA1502015093080	1,5	2	0,15	80	1,8	30	6	0,9°
TRCA1502015093580	1,5	2	0,15	80	1,8	35	6	0,9°
TRCA1502015041058	1,5	2	0,15	58	1,8	10	6	0,4°
TRCA1502015041558	1,5	2	0,15	58	1,8	15	6	0,4°
TRCA1502015042058	1,5	2	0,15	58	1,8	20	6	0,4°
TRCA1502015042558	1,5	2	0,15	58	1,8	25	6	0,4°
TRCA1502015043080	1,5	2	0,15	80	1,8	30	6	0,4°
TRCA1502015043580	1,5	2	0,15	80	1,8	35	6	0,4°
TRCA150203141058	1,5	2	0,3	58	1,8	10	6	1,4°
TRCA150203141558	1,5	2	0,3	58	1,8	15	6	1,4°
TRCA150203142058	1,5	2	0,3	58	1,8	20	6	1,4°
TRCA150203142558	1,5	2	0,3	58	1,8	25	6	1,4°
TRCA150203143080	1,5	2	0,3	80	1,8	30	6	1,4°
TRCA150203143580	1,5	2	0,3	80	1,8	35	6	1,4°
TRCA150203091058	1,5	2	0,3	58	1,8	10	6	0,9°
TRCA150203091558	1,5	2	0,3	58	1,8	15	6	0,9°
TRCA150203092058	1,5	2	0,3	58	1,8	20	6	0,9°
TRCA150203092558	1,5	2	0,3	58	1,8	25	6	0,9°
TRCA150203093080	1,5	2	0,3	80	1,8	30	6	0,9°
TRCA150203093580	1,5	2	0,3	80	1,8	35	6	0,9°
TRCA150203041058	1,5	2	0,3	58	1,8	10	6	0,4°
TRCA150203041558	1,5	2	0,3	58	1,8	15	6	0,4°
TRCA150203042058	1,5	2	0,3	58	1,8	20	6	0,4°
TRCA150203042558	1,5	2	0,3	58	1,8	25	6	0,4°
TRCA150203043080	1,5	2	0,3	80	1,8	30	6	0,4°
TRCA150203043580	1,5	2	0,3	80	1,8	35	6	0,4°



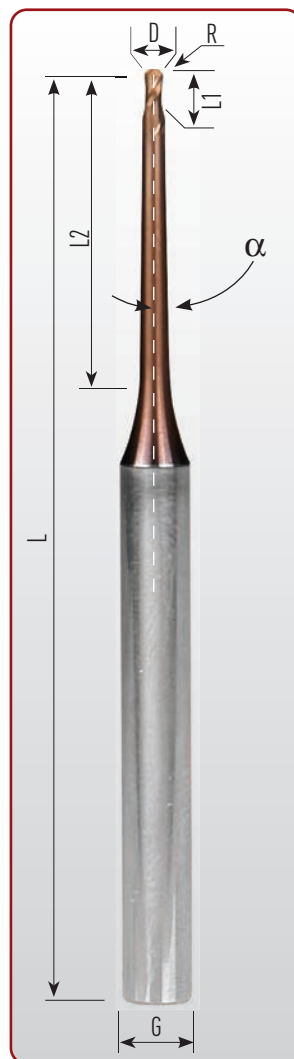
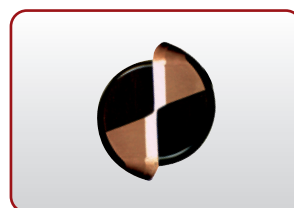
**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 2



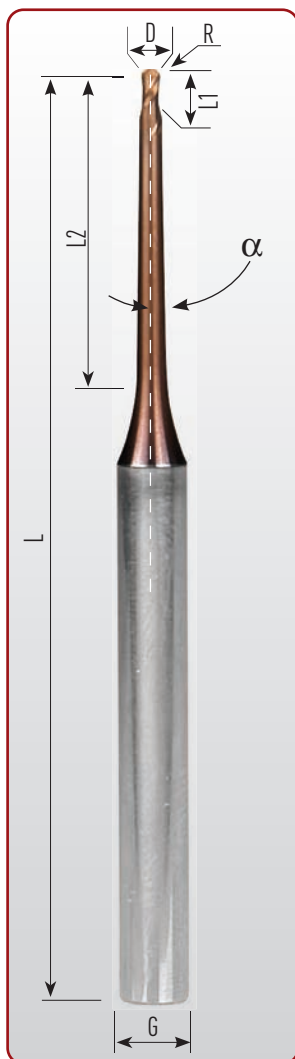
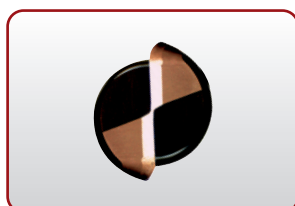
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA20202141558	2	2	0,2	58	4	15	6	1,4°
TRCA20202142058	2	2	0,2	58	4	20	6	1,4°
TRCA20202142558	2	2	0,2	58	4	25	6	1,4°
TRCA20202141580	2	2	0,2	80	4	15	6	1,4°
TRCA20202142080	2	2	0,2	80	4	20	6	1,4°
TRCA20202142580	2	2	0,2	80	4	25	6	1,4°
TRCA20202143080	2	2	0,2	80	4	30	6	1,4°
TRCA20202143580	2	2	0,2	80	4	35	6	1,4°
TRCA20202144080	2	2	0,2	80	4	40	6	1,4°
TRCA202021445100	2	2	0,2	100	4	45	6	1,4°
TRCA202021450100	2	2	0,2	100	4	50	6	1,4°
TRCA202021455100	2	2	0,2	100	4	55	6	1,4°
TRCA2020291558	2	2	0,2	58	4	15	6	0,9°
TRCA2020292058	2	2	0,2	58	4	20	6	0,9°
TRCA2020292558	2	2	0,2	58	4	25	6	0,9°
TRCA2020291580	2	2	0,2	80	4	15	6	0,9°
TRCA2020292080	2	2	0,2	80	4	20	6	0,9°
TRCA2020292580	2	2	0,2	80	4	25	6	0,9°
TRCA2020293080	2	2	0,2	80	4	30	6	0,9°
TRCA2020293580	2	2	0,2	80	4	35	6	0,9°
TRCA2020294080	2	2	0,2	80	4	40	6	0,9°
TRCA20202945100	2	2	0,2	100	4	45	6	0,9°
TRCA20202950100	2	2	0,2	100	4	50	6	0,9°
TRCA20202955100	2	2	0,2	100	4	55	6	0,9°
TRCA2020241558	2	2	0,2	58	4	15	6	0,4°
TRCA2020242058	2	2	0,2	58	4	20	6	0,4°
TRCA2020242558	2	2	0,2	58	4	25	6	0,4°
TRCA2020241580	2	2	0,2	80	4	15	6	0,4°
TRCA2020242080	2	2	0,2	80	4	20	6	0,4°

[illegible]

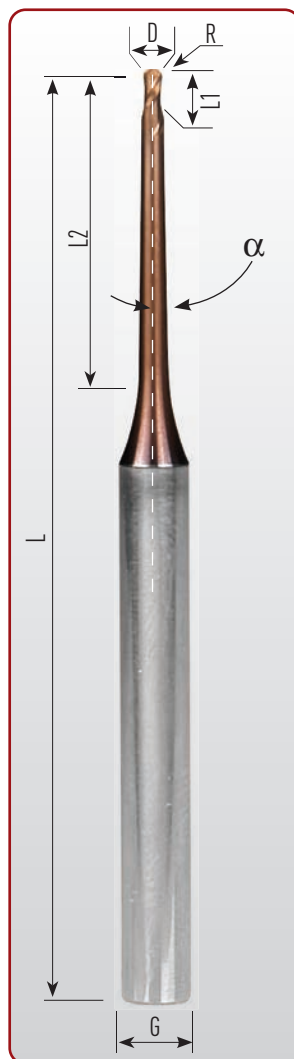
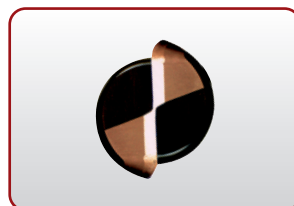
**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 2



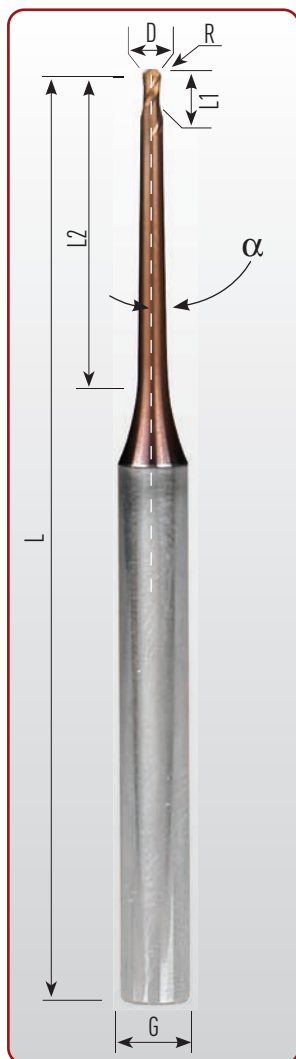
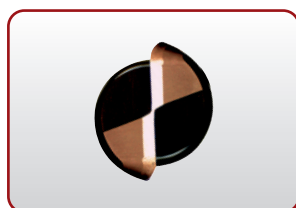
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERALL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA20205141558	2	2	0,5	58	4	15	6	1,4°
TRCA20205142058	2	2	0,5	58	4	20	6	1,4°
TRCA20205142558	2	2	0,5	58	4	25	6	1,4°
TRCA20205141580	2	2	0,5	80	4	15	6	1,4°
TRCA20205142080	2	2	0,5	80	4	20	6	1,4°
TRCA20205142580	2	2	0,5	80	4	25	6	1,4°
TRCA20205143080	2	2	0,5	80	4	30	6	1,4°
TRCA20205143580	2	2	0,5	80	4	35	6	1,4°
TRCA20205144080	2	2	0,5	80	4	40	6	1,4°
TRCA202051445100	2	2	0,5	100	4	45	6	1,4°
TRCA202051450100	2	2	0,5	100	4	50	6	1,4°
TRCA202051455100	2	2	0,5	100	4	55	6	1,4°
TRCA2020591558	2	2	0,5	58	4	15	6	0,9°
TRCA2020592058	2	2	0,5	58	4	20	6	0,9°
TRCA2020592558	2	2	0,5	58	4	25	6	0,9°
TRCA2020591580	2	2	0,5	80	4	15	6	0,9°
TRCA2020592080	2	2	0,5	80	4	20	6	0,9°
TRCA2020592580	2	2	0,5	80	4	25	6	0,9°
TRCA2020593080	2	2	0,5	80	4	30	6	0,9°
TRCA2020593580	2	2	0,5	80	4	35	6	0,9°
TRCA2020594080	2	2	0,5	80	4	40	6	0,9°
TRCA20205945100	2	2	0,5	100	4	45	6	0,9°
TRCA20205950100	2	2	0,5	100	4	50	6	0,9°
TRCA20205955100	2	2	0,5	100	4	55	6	0,9°
TRCA2020541558	2	2	0,5	58	4	15	6	0,4°
TRCA2020542058	2	2	0,5	58	4	20	6	0,4°
TRCA2020542558	2	2	0,5	58	4	25	6	0,4°
TRCA2020541580	2	2	0,5	80	4	15	6	0,4°
TRCA2020542080	2	2	0,5	80	4	20	6	0,4°
TRCA2020542580	2	2	0,5	80	4	25	6	0,4°
TRCA2020543080	2	2	0,5	80	4	30	6	0,4°

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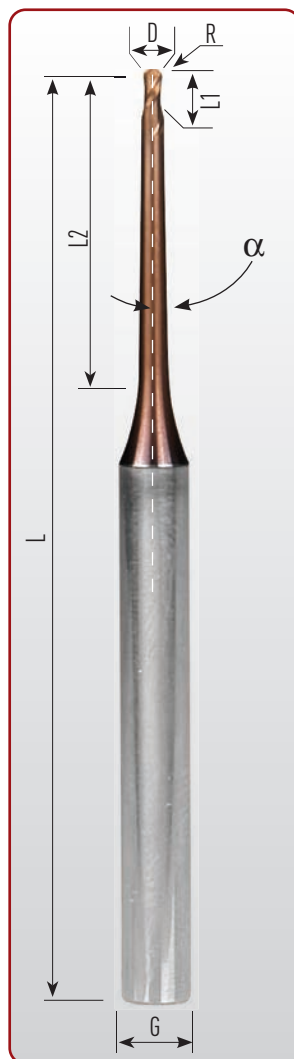
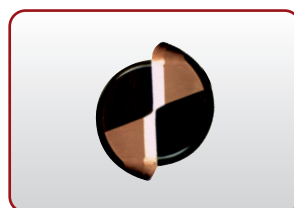
**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 2,5



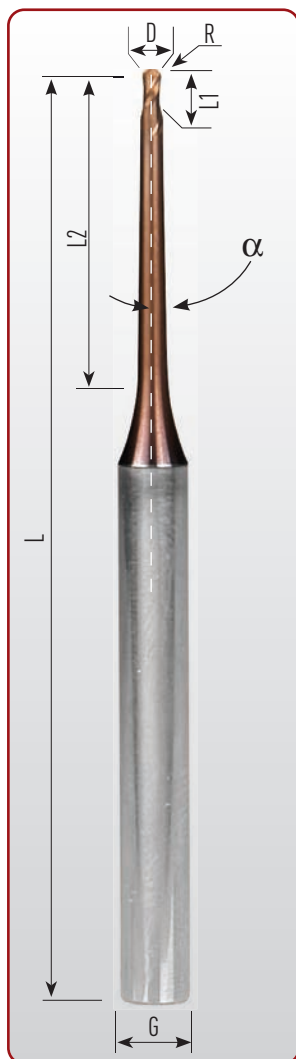
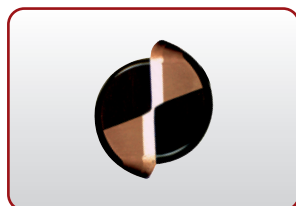
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA250202141558	2,5	2	0,2	58	5	15	6	1,4°
TRCA250202142058	2,5	2	0,2	58	5	20	6	1,4°
TRCA250202142558	2,5	2	0,2	58	5	25	6	1,4°
TRCA250202141580	2,5	2	0,2	80	5	15	6	1,4°
TRCA250202142080	2,5	2	0,2	80	5	20	6	1,4°
TRCA250202142580	2,5	2	0,2	80	5	25	6	1,4°
TRCA250202143080	2,5	2	0,2	80	5	30	6	1,4°
TRCA250202143580	2,5	2	0,2	80	5	35	6	1,4°
TRCA250202144080	2,5	2	0,2	80	5	40	6	1,4°
TRCA2502021445100	2,5	2	0,2	100	5	45	6	1,4°
TRCA2502021450100	2,5	2	0,2	100	5	50	6	1,4°
TRCA2502021455100	2,5	2	0,2	100	5	55	6	1,4°
TRCA25020291558	2,5	2	0,2	58	5	15	6	0,9°
TRCA25020292058	2,5	2	0,2	58	5	20	6	0,9°
TRCA25020292558	2,5	2	0,2	58	5	25	6	0,9°
TRCA25020291580	2,5	2	0,2	80	5	15	6	0,9°
TRCA25020292080	2,5	2	0,2	80	5	20	6	0,9°
TRCA25020292580	2,5	2	0,2	80	5	25	6	0,9°
TRCA25020293080	2,5	2	0,2	80	5	30	6	0,9°
TRCA25020293580	2,5	2	0,2	80	5	35	6	0,9°
TRCA25020294080	2,5	2	0,2	80	5	40	6	0,9°
TRCA250202945100	2,5	2	0,2	100	5	45	6	0,9°
TRCA250202950100	2,5	2	0,2	100	5	50	6	0,9°
TRCA250202955100	2,5	2	0,2	100	5	55	6	0,9°
TRCA25020241558	2,5	2	0,2	58	5	15	6	0,4°
TRCA25020242058	2,5	2	0,2	58	5	20	6	0,4°
TRCA25020242558	2,5	2	0,2	58	5	25	6	0,4°
TRCA25020241580	2,5	2	0,2	80	5	15	6	0,4°
TRCA25020242080	2,5	2	0,2	80	5	20	6	0,4°
TRCA25020242580	2,5	2	0,2	80	5	25	6	0,4°
TRCA25020243080	2,5	2	0,2	80	5	30	6	0,4°

[illegible]

**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 2,5

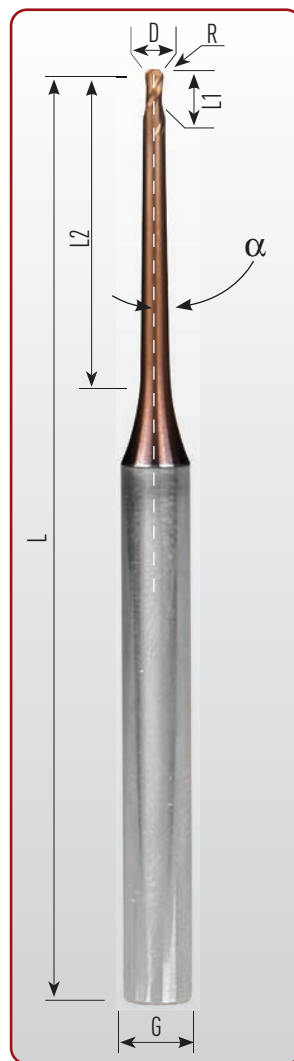


CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA250205141558	2,5	2	0,5	58	5	15	6	1,4°
TRCA250205142058	2,5	2	0,5	58	5	20	6	1,4°
TRCA250205142558	2,5	2	0,5	58	5	25	6	1,4°
TRCA250205141580	2,5	2	0,5	80	5	15	6	1,4°
TRCA250205142080	2,5	2	0,5	80	5	20	6	1,4°
TRCA250205142580	2,5	2	0,5	80	5	25	6	1,4°
TRCA250205143080	2,5	2	0,5	80	5	30	6	1,4°
TRCA250205143580	2,5	2	0,5	80	5	35	6	1,4°
TRCA250205144080	2,5	2	0,5	80	5	40	6	1,4°
TRCA2502051445100	2,5	2	0,5	100	5	45	6	1,4°
TRCA2502051450100	2,5	2	0,5	100	5	50	6	1,4°
TRCA2502051455100	2,5	2	0,5	100	5	55	6	1,4°
TRCA25020591558	2,5	2	0,5	58	5	15	6	0,9°
TRCA25020592058	2,5	2	0,5	58	5	20	6	0,9°
TRCA25020592558	2,5	2	0,5	58	5	25	6	0,9°
TRCA25020591580	2,5	2	0,5	80	5	15	6	0,9°
TRCA25020592080	2,5	2	0,5	80	5	20	6	0,9°
TRCA25020592580	2,5	2	0,5	80	5	25	6	0,9°
TRCA25020593080	2,5	2	0,5	80	5	30	6	0,9°
TRCA25020593580	2,5	2	0,5	80	5	35	6	0,9°
TRCA25020594080	2,5	2	0,5	80	5	40	6	0,9°
TRCA250205945100	2,5	2	0,5	100	5	45	6	0,9°
TRCA250205950100	2,5	2	0,5	100	5	50	6	0,9°
TRCA250205955100	2,5	2	0,5	100	5	55	6	0,9°
TRCA25020541558	2,5	2	0,5	58	5	15	6	0,4°
TRCA25020542058	2,5	2	0,5	58	5	20	6	0,4°
TRCA25020542558	2,5	2	0,5	58	5	25	6	0,4°
TRCA25020541580	2,5	2	0,5	80	5	15	6	0,4°
TRCA25020542080	2,5	2	0,5	80	5	20	6	0,4°
TRCA25020542580	2,5	2	0,5	80	5	25	6	0,4°
TRCA25020543080	2,5	2	0,5	80	5	30	6	0,4°

**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



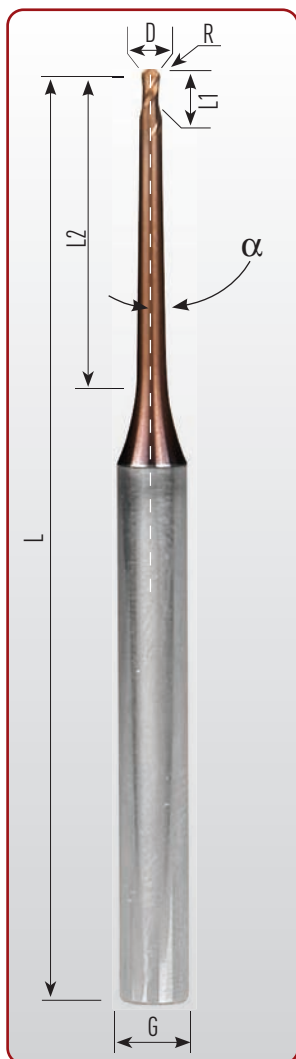
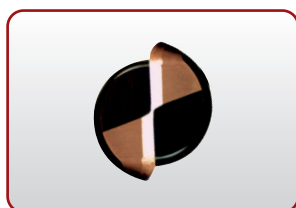
Ø 2,5

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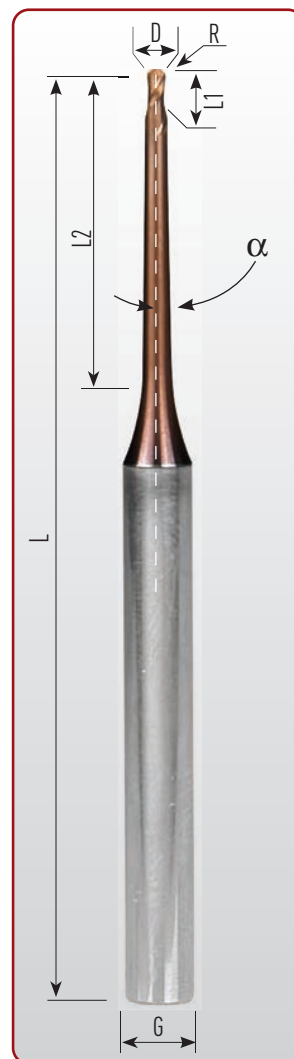
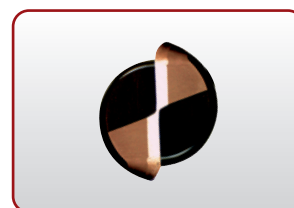
**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 3



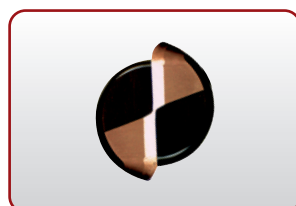
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA30202141558	3	2	0,2	58	6	15	6	1,4°
TRCA30202142058	3	2	0,2	58	6	20	6	1,4°
TRCA30202142558	3	2	0,2	58	6	25	6	1,4°
TRCA30202141580	3	2	0,2	80	6	15	6	1,4°
TRCA30202142080	3	2	0,2	80	6	20	6	1,4°
TRCA30202142580	3	2	0,2	80	6	25	6	1,4°
TRCA30202143080	3	2	0,2	80	6	30	6	1,4°
TRCA30202143580	3	2	0,2	80	6	35	6	1,4°
TRCA30202144080	3	2	0,2	80	6	40	6	1,4°
TRCA302021445100	3	2	0,2	100	6	45	6	1,4°
TRCA302021450100	3	2	0,2	100	6	50	6	1,4°
TRCA302021455100	3	2	0,2	100	6	55	6	1,4°
TRCA3020291558	3	2	0,2	58	6	15	6	0,9°
TRCA3020292058	3	2	0,2	58	6	20	6	0,9°
TRCA3020292558	3	2	0,2	58	6	25	6	0,9°
TRCA3020291580	3	2	0,2	80	6	15	6	0,9°
TRCA3020292080	3	2	0,2	80	6	20	6	0,9°
TRCA3020292580	3	2	0,2	80	6	25	6	0,9°
TRCA3020293080	3	2	0,2	80	6	30	6	0,9°
TRCA3020293580	3	2	0,2	80	6	35	6	0,9°
TRCA3020294080	3	2	0,2	80	6	40	6	0,9°
TRCA30202945100	3	2	0,2	100	6	45	6	0,9°
TRCA30202950100	3	2	0,2	100	6	50	6	0,9°
TRCA30202955100	3	2	0,2	100	6	55	6	0,9°
TRCA3020241558	3	2	0,2	58	6	15	6	0,4°
TRCA3020242058	3	2	0,2	58	6	20	6	0,4°
TRCA3020242558	3	2	0,2	58	6	25	6	0,4°
TRCA3020241580	3	2	0,2	80	6	15	6	0,4°
TRCA3020242080	3	2	0,2	80	6	20	6	0,4°
TRCA3020242580	3	2	0,2	80	6	25	6	0,4°
TRCA3020243080	3	2	0,2	80	6	30	6	0,4°

[illegible]

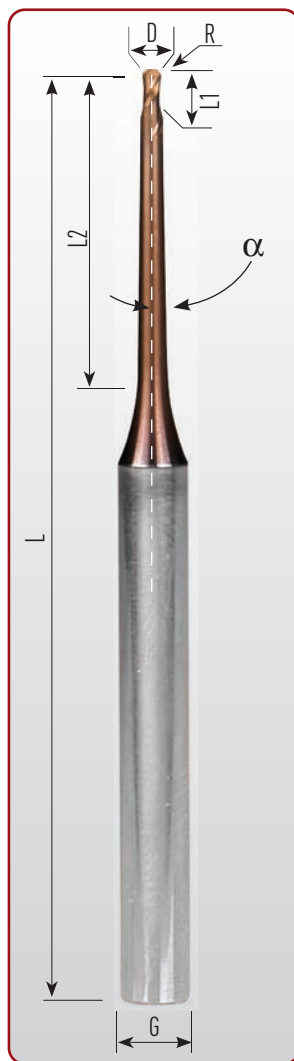
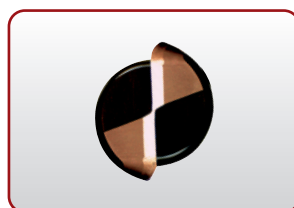
**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 3



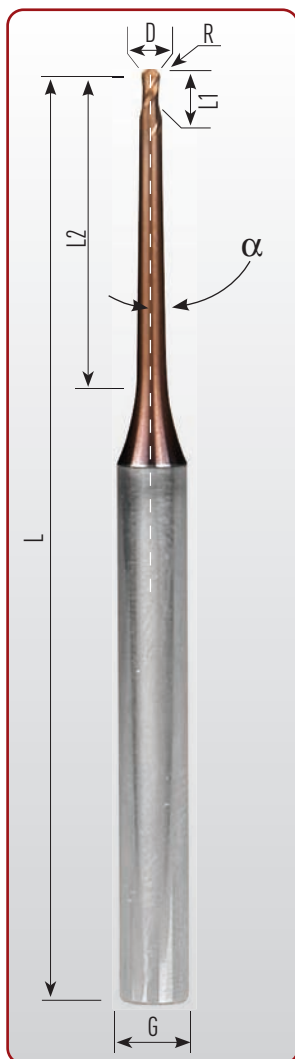
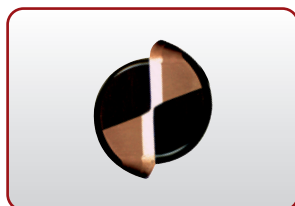
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA30205141558	3	2	0,5	58	6	15	6	1,4°
TRCA30205142058	3	2	0,5	58	6	20	6	1,4°
TRCA30205142558	3	2	0,5	58	6	25	6	1,4°
TRCA30205141580	3	2	0,5	80	6	15	6	1,4°
TRCA30205142080	3	2	0,5	80	6	20	6	1,4°
TRCA30205142580	3	2	0,5	80	6	25	6	1,4°
TRCA30205143080	3	2	0,5	80	6	30	6	1,4°
TRCA30205143580	3	2	0,5	80	6	35	6	1,4°
TRCA30205144080	3	2	0,5	80	6	40	6	1,4°
TRCA302051445100	3	2	0,5	100	6	45	6	1,4°
TRCA302051450100	3	2	0,5	100	6	50	6	1,4°
TRCA302051455100	3	2	0,5	100	6	55	6	1,4°
TRCA3020591558	3	2	0,5	58	6	15	6	0,9°
TRCA3020592058	3	2	0,5	58	6	20	6	0,9°
TRCA3020592558	3	2	0,5	58	6	25	6	0,9°
TRCA3020591580	3	2	0,5	80	6	15	6	0,9°
TRCA3020592080	3	2	0,5	80	6	20	6	0,9°
TRCA3020592580	3	2	0,5	80	6	25	6	0,9°
TRCA3020593080	3	2	0,5	80	6	30	6	0,9°
TRCA3020593580	3	2	0,5	80	6	35	6	0,9°
TRCA3020594080	3	2	0,5	80	6	40	6	0,9°
TRCA30205945100	3	2	0,5	100	6	45	6	0,9°
TRCA30205950100	3	2	0,5	100	6	50	6	0,9°
TRCA30205955100	3	2	0,5	100	6	55	6	0,9°
TRCA3020541558	3	2	0,5	58	6	15	6	0,4°
TRCA3020542058	3	2	0,5	58	6	20	6	0,4°
TRCA3020542558	3	2	0,5	58	6	25	6	0,4°
TRCA3020541580	3	2	0,5	80	6	15	6	0,4°
TRCA3020542080	3	2	0,5	80	6	20	6	0,4°
TRCA3020542580	3	2	0,5	80	6	25	6	0,4°
TRCA3020543080	3	2	0,5	80	6	30	6	0,4°

[illegible]

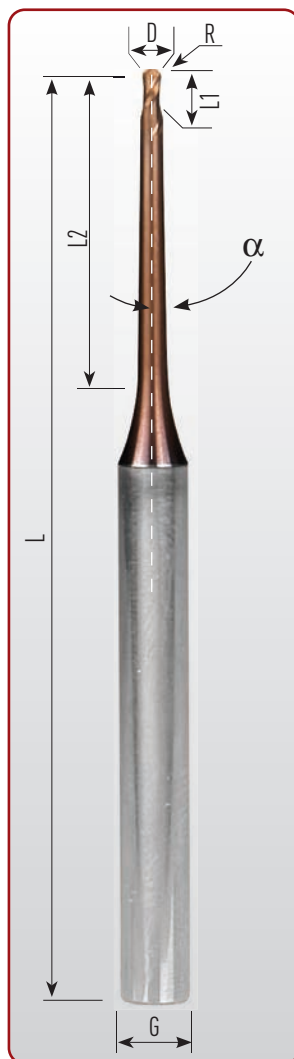
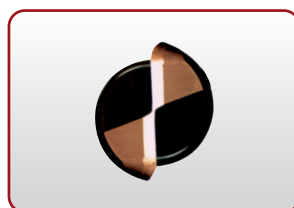
**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 3



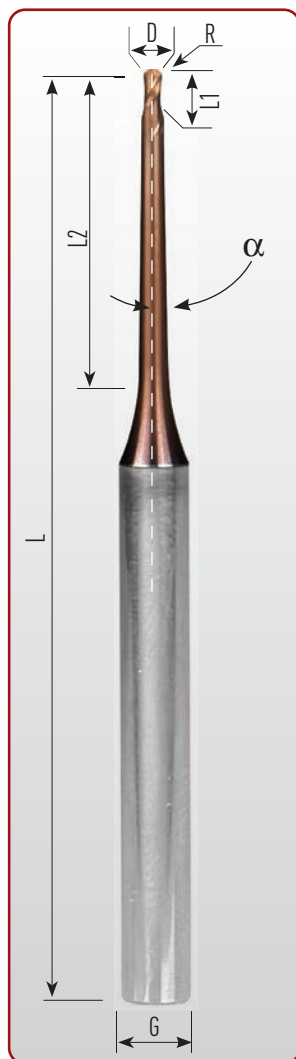
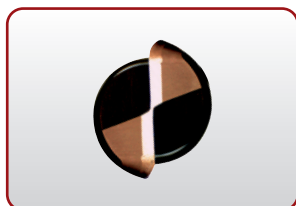
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA3021141558	3	2	1	58	6	15	6	1,4°
TRCA3021142058	3	2	1	58	6	20	6	1,4°
TRCA3021142558	3	2	1	58	6	25	6	1,4°
TRCA3021141580	3	2	1	80	6	15	6	1,4°
TRCA3021142080	3	2	1	80	6	20	6	1,4°
TRCA3021142580	3	2	1	80	6	25	6	1,4°
TRCA3021143080	3	2	1	80	6	30	6	1,4°
TRCA3021143580	3	2	1	80	6	35	6	1,4°
TRCA3021144080	3	2	1	80	6	40	6	1,4°
TRCA30211445100	3	2	1	100	6	45	6	1,4°
TRCA30211450100	3	2	1	100	6	50	6	1,4°
TRCA30211455100	3	2	1	100	6	55	6	1,4°
TRCA302191558	3	2	1	58	6	15	6	0,9°
TRCA302192058	3	2	1	58	6	20	6	0,9°
TRCA302192558	3	2	1	58	6	25	6	0,9°
TRCA302191580	3	2	1	80	6	15	6	0,9°
TRCA302192080	3	2	1	80	6	20	6	0,9°
TRCA302192580	3	2	1	80	6	25	6	0,9°
TRCA302193080	3	2	1	80	6	30	6	0,9°
TRCA302193580	3	2	1	80	6	35	6	0,9°
TRCA302194080	3	2	1	80	6	40	6	0,9°
TRCA3021945100	3	2	1	100	6	45	6	0,9°
TRCA3021950100	3	2	1	100	6	50	6	0,9°
TRCA3021955100	3	2	1	100	6	55	6	0,9°
TRCA302141558	3	2	1	58	6	15	6	0,4°
TRCA302142058	3	2	1	58	6	20	6	0,4°
TRCA302142558	3	2	1	58	6	25	6	0,4°
TRCA302141580	3	2	1	80	6	15	6	0,4°
TRCA302142080	3	2	1	80	6	20	6	0,4°
TRCA302142580	3	2	1	80	6	25	6	0,4°
TRCA302143080	3	2	1	80	6	30	6	0,4°

[illegible]

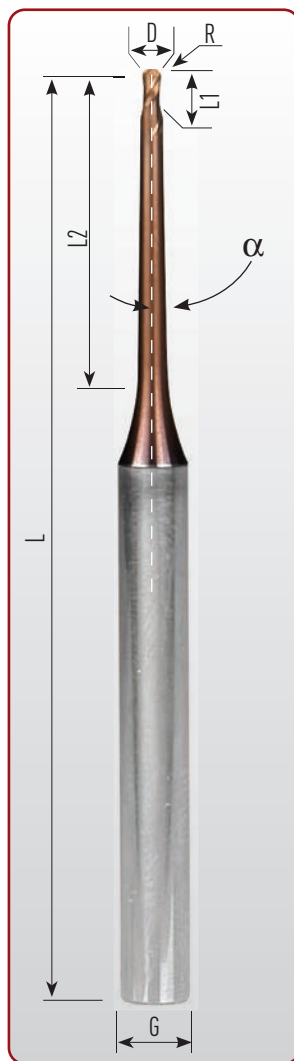
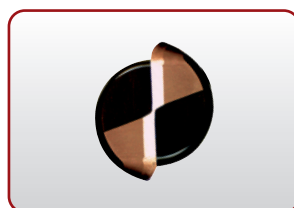
**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 4



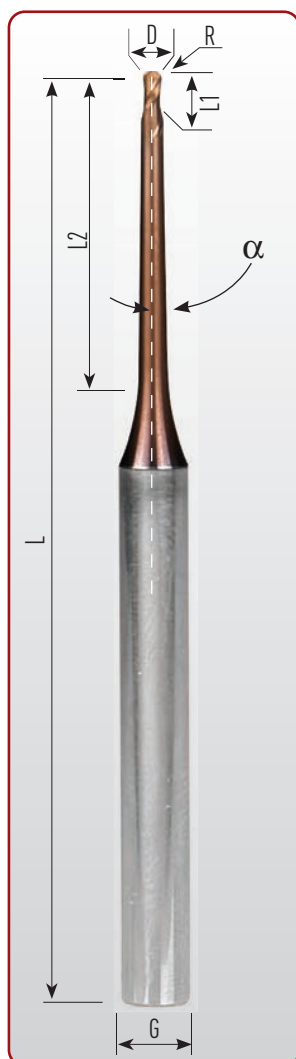
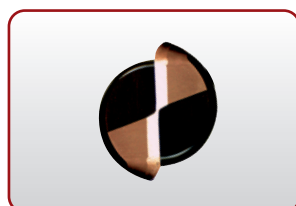
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA40202141558	4	2	0,2	58	6	15	6	1,4°
TRCA40202142058	4	2	0,2	58	6	20	6	1,4°
TRCA40202142558	4	2	0,2	58	6	25	6	1,4°
TRCA40202141580	4	2	0,2	80	6	15	6	1,4°
TRCA40202142080	4	2	0,2	80	6	20	6	1,4°
TRCA40202142580	4	2	0,2	80	6	25	6	1,4°
TRCA40202143080	4	2	0,2	80	6	30	6	1,4°
TRCA40202143580	4	2	0,2	80	6	35	6	1,4°
TRCA40202144080	4	2	0,2	80	6	40	8	1,4°
TRCA402021445100	4	2	0,2	100	6	45	8	1,4°
TRCA402021450100	4	2	0,2	100	6	50	8	1,4°
TRCA402021455100	4	2	0,2	100	6	55	8	1,4°
TRCA4020291558	4	2	0,2	58	6	15	6	0,9°
TRCA4020292058	4	2	0,2	58	6	20	6	0,9°
TRCA4020292558	4	2	0,2	58	6	25	6	0,9°
TRCA4020291580	4	2	0,2	80	6	15	6	0,9°
TRCA4020292080	4	2	0,2	80	6	20	6	0,9°
TRCA4020292580	4	2	0,2	80	6	25	6	0,9°
TRCA4020293080	4	2	0,2	80	6	30	6	0,9°
TRCA4020293580	4	2	0,2	80	6	35	6	0,9°
TRCA4020294080	4	2	0,2	80	6	40	6	0,9°
TRCA40202945100	4	2	0,2	100	6	45	6	0,9°
TRCA40202950100	4	2	0,2	100	6	50	6	0,9°
TRCA40202955100	4	2	0,2	100	6	55	6	0,9°
TRCA4020241558	4	2	0,2	58	6	15	6	0,4°
TRCA4020242058	4	2	0,2	58	6	20	6	0,4°
TRCA4020242558	4	2	0,2	58	6	25	6	0,4°
TRCA4020241580	4	2	0,2	80	6	15	6	0,4°
TRCA4020242080	4	2	0,2	80	6	20	6	0,4°
TRCA4020242580	4	2	0,2	80	6	25	6	0,4°
TRCA4020243080	4	2	0,2	80	6	30	6	0,4°

[illegible]

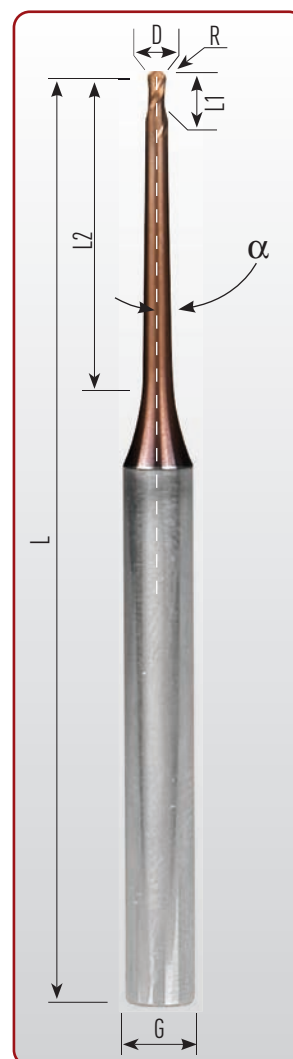
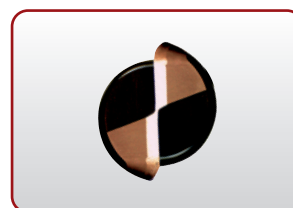
**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 4



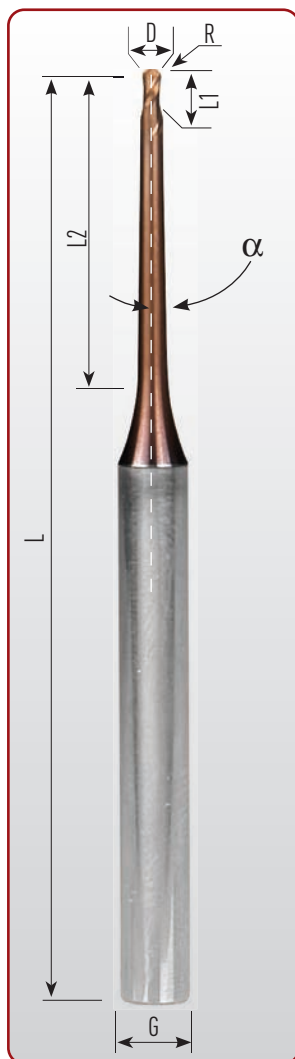
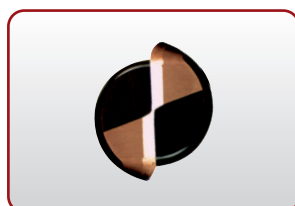
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA40205141558	4	2	0,5	58	6	15	6	1,4°
TRCA40205142058	4	2	0,5	58	6	20	6	1,4°
TRCA40205142558	4	2	0,5	58	6	25	6	1,4°
TRCA40205141580	4	2	0,5	80	6	15	6	1,4°
TRCA40205142080	4	2	0,5	80	6	20	6	1,4°
TRCA40205142580	4	2	0,5	80	6	25	6	1,4°
TRCA40205143080	4	2	0,5	80	6	30	6	1,4°
TRCA40205143580	4	2	0,5	80	6	35	6	1,4°
TRCA40205144080	4	2	0,5	80	6	40	8	1,4°
TRCA402051445100	4	2	0,5	100	6	45	8	1,4°
TRCA402051450100	4	2	0,5	100	6	50	8	1,4°
TRCA402051455100	4	2	0,5	100	6	55	8	1,4°
TRCA4020591558	4	2	0,5	58	6	15	6	0,9°
TRCA4020592058	4	2	0,5	58	6	20	6	0,9°
TRCA4020592558	4	2	0,5	58	6	25	6	0,9°
TRCA4020591580	4	2	0,5	80	6	15	6	0,9°
TRCA4020592080	4	2	0,5	80	6	20	6	0,9°
TRCA4020592580	4	2	0,5	80	6	25	6	0,9°
TRCA4020593080	4	2	0,5	80	6	30	6	0,9°
TRCA4020593580	4	2	0,5	80	6	35	6	0,9°
TRCA4020594080	4	2	0,5	80	6	40	6	0,9°
TRCA40205945100	4	2	0,5	100	6	45	6	0,9°
TRCA40205950100	4	2	0,5	100	6	50	6	0,9°
TRCA40205955100	4	2	0,5	100	6	55	6	0,9°
TRCA4020541558	4	2	0,5	58	6	15	6	0,4°
TRCA4020542058	4	2	0,5	58	6	20	6	0,4°
TRCA4020542558	4	2	0,5	58	6	25	6	0,4°
TRCA4020541580	4	2	0,5	80	6	15	6	0,4°
TRCA4020542080	4	2	0,5	80	6	20	6	0,4°
TRCA4020542580	4	2	0,5	80	6	25	6	0,4°
TRCA4020543080	4	2	0,5	80	6	30	6	0,4°

[illegible]

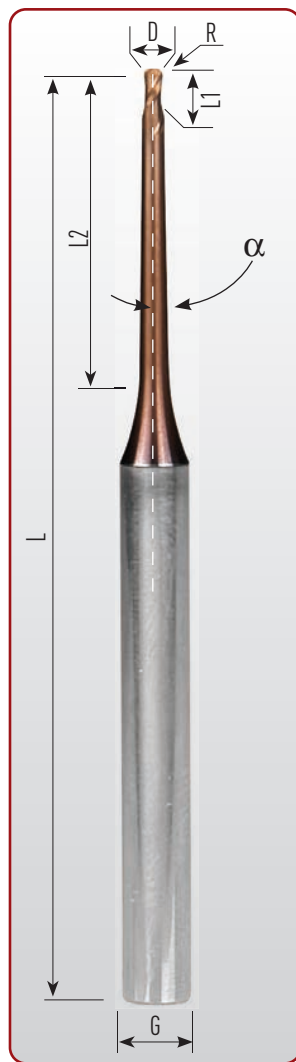
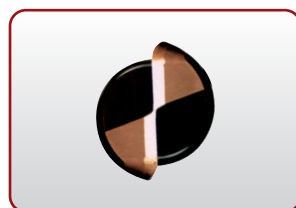
**FRESE TORICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
TORIC END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET

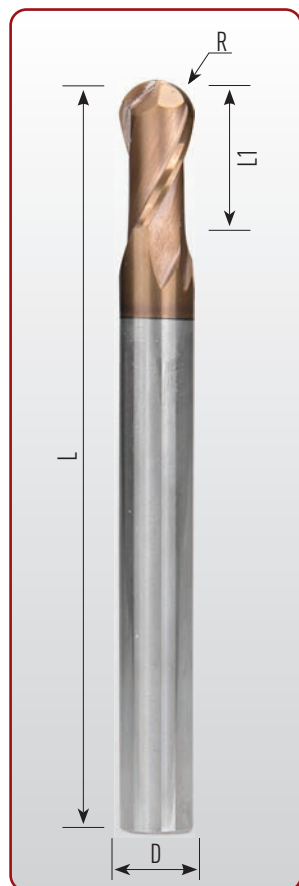


Ø 4



CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
TRCA4021141558	4	2	1	58	6	15	6	1,4°
TRCA4021142058	4	2	1	58	6	20	6	1,4°
TRCA4021142558	4	2	1	58	6	25	6	1,4°
TRCA4021141580	4	2	1	80	6	15	6	1,4°
TRCA4021142080	4	2	1	80	6	20	6	1,4°
TRCA4021142580	4	2	1	80	6	25	6	1,4°
TRCA4021143080	4	2	1	80	6	30	6	1,4°
TRCA4021143580	4	2	1	80	6	35	6	1,4°
TRCA4021144080	4	2	1	80	6	40	8	1,4°
TRCA40211445100	4	2	1	100	6	45	8	1,4°
TRCA40211450100	4	2	1	100	6	50	8	1,4°
TRCA40211455100	4	2	1	100	6	55	8	1,4°
TRCA402191558	4	2	1	58	6	15	6	0,9°
TRCA402192058	4	2	1	58	6	20	6	0,9°
TRCA402192558	4	2	1	58	6	25	6	0,9°
TRCA402191580	4	2	1	80	6	15	6	0,9°
TRCA402192080	4	2	1	80	6	20	6	0,9°
TRCA402192580	4	2	1	80	6	25	6	0,9°
TRCA402193080	4	2	1	80	6	30	6	0,9°
TRCA402193580	4	2	1	80	6	35	6	0,9°
TRCA402194080	4	2	1	80	6	40	6	0,9°
TRCA4021945100	4	2	1	100	6	45	6	0,9°
TRCA4021950100	4	2	1	100	6	50	6	0,9°
TRCA4021955100	4	2	1	100	6	55	6	0,9°
TRCA402141558	4	2	1	58	6	15	6	0,4°
TRCA402142058	4	2	1	58	6	20	6	0,4°
TRCA402142558	4	2	1	58	6	25	6	0,4°
TRCA402141580	4	2	1	80	6	15	6	0,4°
TRCA402142080	4	2	1	80	6	20	6	0,4°
TRCA402142580	4	2	1	80	6	25	6	0,4°
TRCA402143080	4	2	1	80	6	30	6	0,4°

[illegible]

[illegible]

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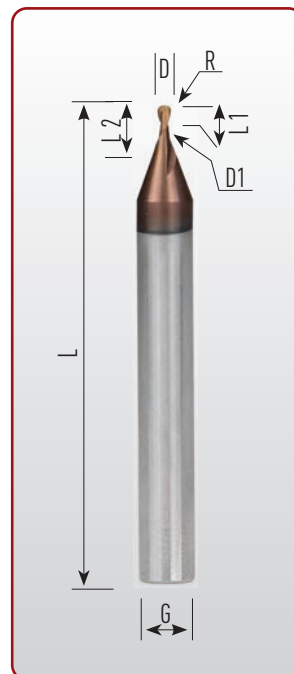
MICROFRESE SFERICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI

MINIATURE BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED



Ø 0,5 - 0,6 - 0,8 - 1 - 1,2 - 1,5

CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	LUNG. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	DIAMETRO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL LENGTH	LENGTH OF CUT	LENGTH BELLOW SHANK	SHANK DIAMETER	NECK DIAMETER
	D	Z	R	L	L1	L2	G	D1
MSA0502025450	0,5	2	0,25	50	0,8	1,5	4	0,45
MSA060203450	0,6	2	0,30	50	1,0	1,6	4	0,55
MSA080204450	0,8	2	0,40	50	1,5	2,0	4	0,75
MSA0100205450	1	2	0,50	50	1,5	2,0	4	0,95
MSA0120206450	1,2	2	0,60	50	1,8	2,5	4	1,15
MSA01502075450	1,5	2	0,75	50	2,0	2,5	4	1,45
MSA0502025650	0,5	2	0,25	50	0,8	1,5	6	0,45
MSA060203650	0,6	2	0,30	50	1,0	1,6	6	0,55
MSA080204650	0,8	2	0,40	50	1,5	2,0	6	0,75
MSA0100205650	1	2	0,50	50	1,5	2,0	6	0,95
MSA0120206650	1,2	2	0,60	50	1,8	2,5	6	1,15
MSA01502075650	1,5	2	0,75	50	2,0	2,5	6	1,45



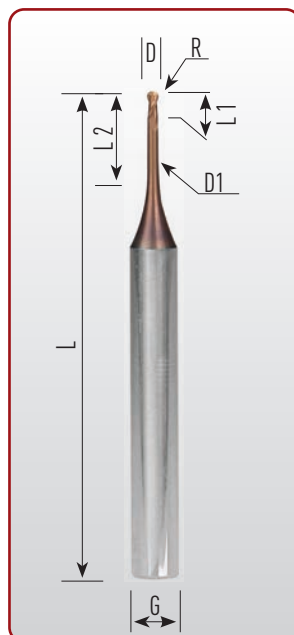
MICROFRESE SFERICHE SCARICATE GAMBO RINFORZATO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI

MINIATURE BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED



Ø 0,8 - 1 - 1,2 - 1,5

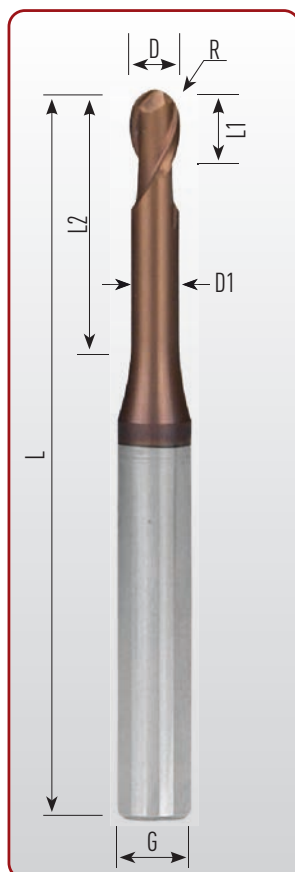
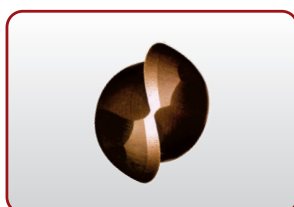
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	LUNG. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	DIAMETRO SCARICO
CODE	DIAMETER	N° FLUTE	CORNER RADIUS	OVERAL LENGTH	LENGTH OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK DIAMETER
	D	Z	R	L	L1	L2	G	D1
MSSA0802045	0,8	2	0,4	58	1,2	5	6	0,7
MSSA0802048	0,8	2	0,4	58	1,2	8	6	0,7
MSSA01002055	1	2	0,5	58	1,5	5	6	0,9
MSSA01002058	1	2	0,5	58	1,5	8	6	0,9
MSSA010020515	1	2	0,5	58	1,5	15	6	0,9
MSSA01202065	1,2	2	0,6	58	1,8	5	6	1,1
MSSA012020610	1,2	2	0,6	58	1,8	10	6	1,1
MSSA012020615	1,2	2	0,6	58	1,8	15	6	1,1
MSSA015020755	1,5	2	0,75	58	2,0	5	6	1,4
MSSA0150207510	1,5	2	0,75	58	2,0	10	6	1,4
MSSA0150207515	1,5	2	0,75	58	2,0	15	6	1,4



FRESE SFERICHE GAMBO RINFORZATO IN METALLO DURO RIVESTITO
"HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED



Ø 2 - 2,5 - 3 - 4



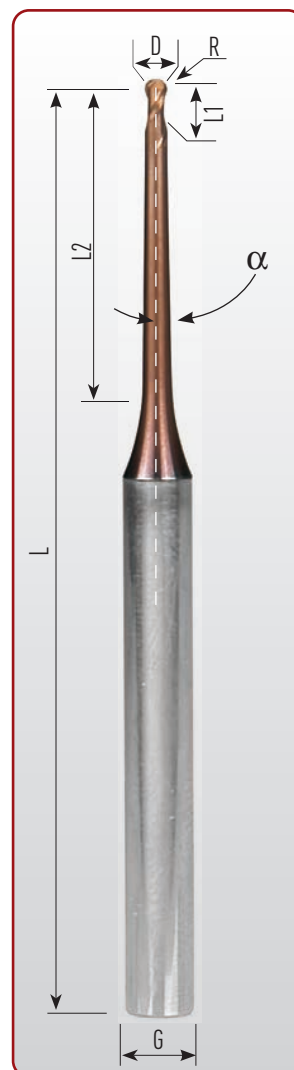
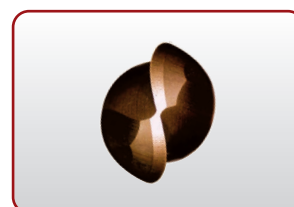
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	LUNG. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	DIAMETRO SCARICO
CODE	DIAMETER	N° FLUTE	CORNER RADIUS	OVERAL LENGTH	LENGTH OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK DIAMETER
	D	Z	R	L	L1	L2	G	D1
SRSA020215810	2	2	1	58	4	10	6	1,9
SRSA020215815	2	2	1	58	4	15	6	1,9
SRSA020215820	2	2	1	58	4	20	6	1,9
SRSA020215825	2	2	1	58	4	25	6	1,9
SRSA020218010	2	2	1	80	4	10	6	1,9
SRSA020218015	2	2	1	80	4	15	6	1,9
SRSA020218020	2	2	1	80	4	20	6	1,9
SRSA020218025	2	2	1	80	4	25	6	1,9
SRSA025021255810	2,5	2	1,25	58	4	10	6	2,4
SRSA025021255815	2,5	2	1,25	58	4	15	6	2,4
SRSA025021255820	2,5	2	1,25	58	4	20	6	2,4
SRSA025021255825	2,5	2	1,25	58	4	25	6	2,4
SRSA025021258010	2,5	2	1,25	80	4	10	6	2,4
SRSA025021258015	2,5	2	1,25	80	4	15	6	2,4
SRSA025021258020	2,5	2	1,25	80	4	20	6	2,4
SRSA025021258025	2,5	2	1,25	80	4	25	6	2,4
SRSA0302155810	3	2	1,5	58	6	10	6	2,9
SRSA0302155815	3	2	1,5	58	6	15	6	2,9
SRSA0302155820	3	2	1,5	58	6	20	6	2,9
SRSA0302155825	3	2	1,5	58	6	25	6	2,9
SRSA0302158010	3	2	1,5	80	6	10	6	2,9
SRSA0302158015	3	2	1,5	80	6	15	6	2,9
SRSA0302158020	3	2	1,5	80	6	20	6	2,9
SRSA0302158025	3	2	1,5	80	6	25	6	2,9
SRSA040225810	4	2	2	58	6	10	6	3,9
SRSA040225815	4	2	2	58	6	15	6	3,9
SRSA040225820	4	2	2	58	6	20	6	3,9
SRSA040225825	4	2	2	58	6	25	6	3,9
SRSA040228010	4	2	2	80	6	10	6	3,9
SRSA040228015	4	2	2	80	6	15	6	3,9
SRSA040228020	4	2	2	80	6	20	6	3,9
SRSA040228025	4	2	2	80	6	25	6	3,9
SRSA040228030	4	2	2	80	6	30	6	3,9

FRESE SFERICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 0,5 - 0,6 - 0,8

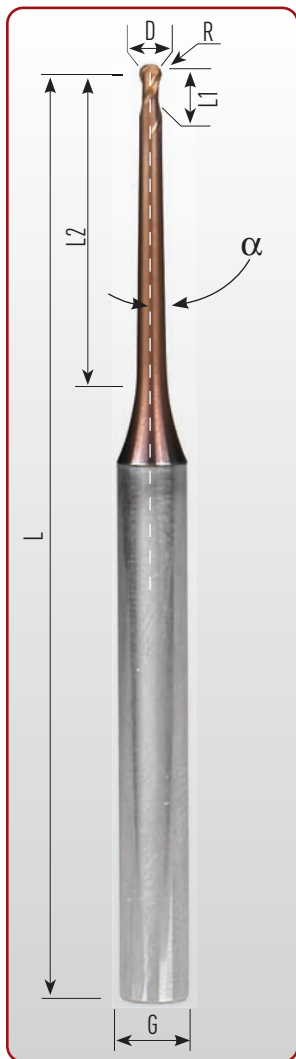
CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
SRCA050202514560	0,5	2	0,25	60	1	5	4	1,4°
SRCA050202514860	0,5	2	0,25	60	1	8	4	1,4°
SRCA05020259560	0,5	2	0,25	60	1	5	4	0,9°
SRCA05020259860	0,5	2	0,25	60	1	8	4	0,9°
SRCA05020254560	0,5	2	0,25	60	1	5	4	0,4°
SRCA05020254860	0,5	2	0,25	60	1	8	4	0,4°
SRCA06020314560	0,6	2	0,3	60	1	5	4	1,4°
SRCA06020314860	0,6	2	0,3	60	1	8	4	1,4°
SRCA060203141260	0,6	2	0,3	60	1	12	4	1,4°
SRCA0602039560	0,6	2	0,3	60	1	5	4	0,9°
SRCA0602039860	0,6	2	0,3	60	1	8	4	0,9°
SRCA06020391260	0,6	2	0,3	60	1	12	4	0,9°
SRCA0602034560	0,6	2	0,3	60	1	5	4	0,4°
SRCA0602034860	0,6	2	0,3	60	1	8	4	0,4°
SRCA06020341260	0,6	2	0,3	60	1	12	4	0,4°
SRCA080204141060	0,8	2	0,4	60	1,2	10	4	1,4°
SRCA080204141560	0,8	2	0,4	60	1,2	15	4	1,4°
SRCA080204142060	0,8	2	0,4	60	1,2	20	4	1,4°
SRCA08020491060	0,8	2	0,4	60	1,2	10	4	0,9°
SRCA08020491560	0,8	2	0,4	60	1,2	15	4	0,9°
SRCA08020492060	0,8	2	0,4	60	1,2	20	4	0,9°
SRCA08020441060	0,8	2	0,4	60	1,2	10	4	0,4°
SRCA08020441560	0,8	2	0,4	60	1,2	15	4	0,4°
SRCA08020442060	0,8	2	0,4	60	1,2	20	4	0,4°



**FRESE SFERICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



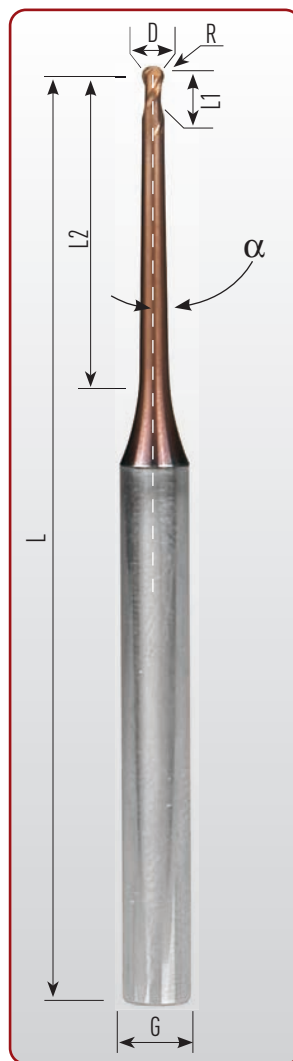
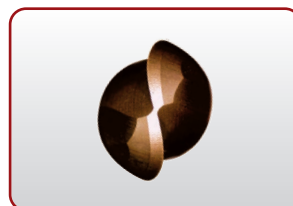
Ø 1

[illegible]

BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



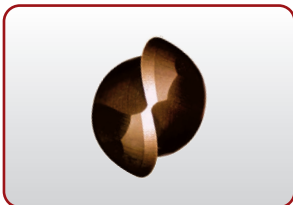
Ø 1,2

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**FRESE SFERICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 1,5

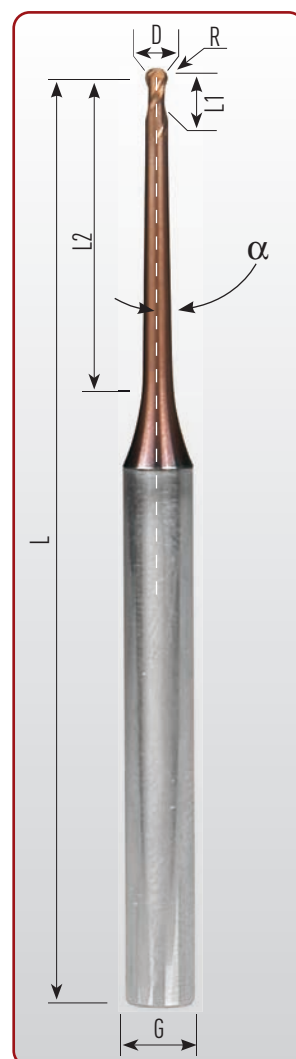
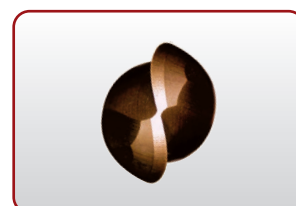
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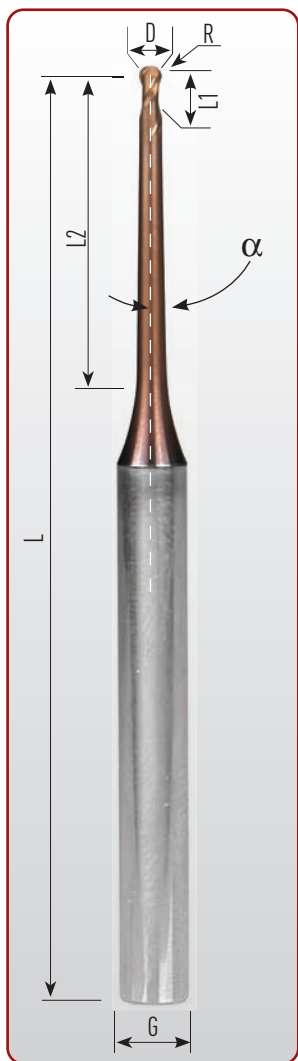
FRESE SFERICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 2

CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERALL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
SRCA2021141558	2	2	1	58	4	15	6	1,4°
SRCA2021142058	2	2	1	58	4	20	6	1,4°
SRCA2021142558	2	2	1	58	4	25	6	1,4°
SRCA2021141580	2	2	1	80	4	15	6	1,4°
SRCA2021142080	2	2	1	80	4	20	6	1,4°
SRCA2021142580	2	2	1	80	4	25	6	1,4°
SRCA2021143080	2	2	1	80	4	30	6	1,4°
SRCA2021143580	2	2	1	80	4	35	6	1,4°
SRCA2021144080	2	2	1	80	4	40	6	1,4°
SRCA20211445100	2	2	1	100	4	45	6	1,4°
SRCA20211450100	2	2	1	100	4	50	6	1,4°
SRCA20211455100	2	2	1	100	4	55	6	1,4°
SRCA202191558	2	2	1	58	4	15	6	0,9°
SRCA202192058	2	2	1	58	4	20	6	0,9°
SRCA202192558	2	2	1	58	4	25	6	0,9°
SRCA202191580	2	2	1	80	4	15	6	0,9°
SRCA202192080	2	2	1	80	4	20	6	0,9°
SRCA202192580	2	2	1	80	4	25	6	0,9°
SRCA202193080	2	2	1	80	4	30	6	0,9°
SRCA202193580	2	2	1	80	4	35	6	0,9°
SRCA202194080	2	2	1	80	4	40	6	0,9°
SRCA2021945100	2	2	1	100	4	45	6	0,9°
SRCA2021950100	2	2	1	100	4	50	6	0,9°
SRCA2021955100	2	2	1	100	4	55	6	0,9°
SRCA202141558	2	2	1	58	4	15	6	0,4°
SRCA202142058	2	2	1	58	4	20	6	0,4°
SRCA202142558	2	2	1	58	4	25	6	0,4°
SRCA202141580	2	2	1	80	4	15	6	0,4°
SRCA202142080	2	2	1	80	4	20	6	0,4°
SRCA202142580	2	2	1	80	4	25	6	0,4°
SRCA202143080	2	2	1	80	4	30	6	0,4°



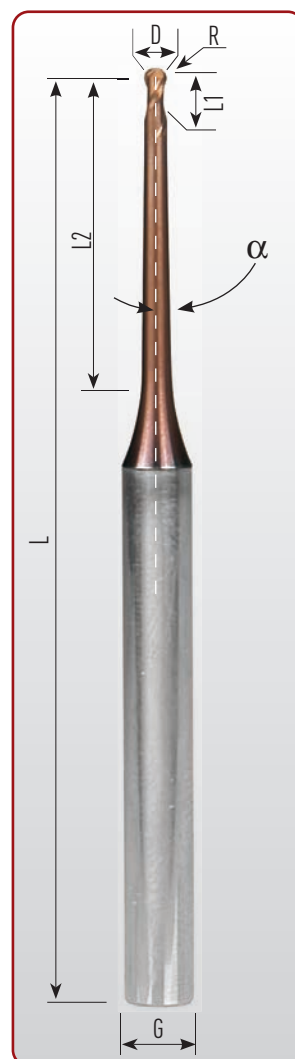
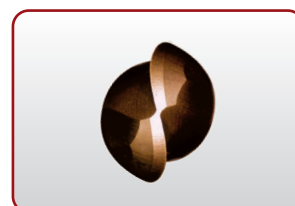
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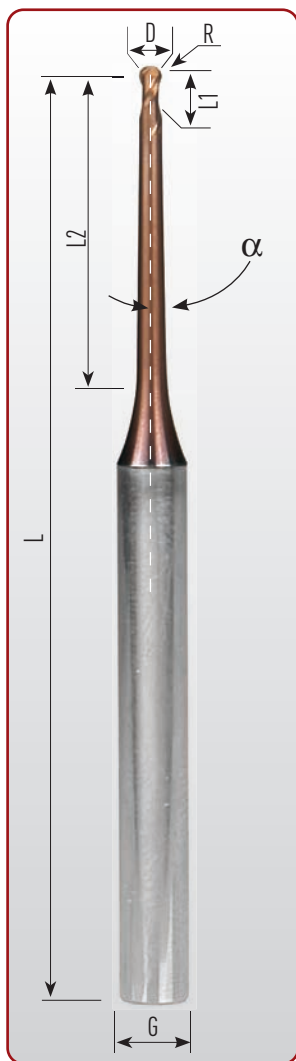
**FRESE SFERICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 2,5

CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
SRCA2502125141558	2,5	2	1,25	58	5	15	6	1,4°
SRCA2502125142058	2,5	2	1,25	58	5	20	6	1,4°
SRCA2502125142558	2,5	2	1,25	58	5	25	6	1,4°
SRCA2502125141580	2,5	2	1,25	80	5	15	6	1,4°
SRCA2502125142080	2,5	2	1,25	80	5	20	6	1,4°
SRCA2502125142580	2,5	2	1,25	80	5	25	6	1,4°
SRCA2502125143080	2,5	2	1,25	80	5	30	6	1,4°
SRCA2502125143580	2,5	2	1,25	80	5	35	6	1,4°
SRCA2502125144080	2,5	2	1,25	80	5	40	6	1,4°
SRCA25021251445100	2,5	2	1,25	100	5	45	6	1,4°
SRCA25021251450100	2,5	2	1,25	100	5	50	6	1,4°
SRCA25021251455100	2,5	2	1,25	100	5	55	6	1,4°
SRCA250212591558	2,5	2	1,25	58	5	15	6	0,9°
SRCA250212592058	2,5	2	1,25	58	5	20	6	0,9°
SRCA250212592558	2,5	2	1,25	58	5	25	6	0,9°
SRCA250212591580	2,5	2	1,25	80	5	15	6	0,9°
SRCA250212592080	2,5	2	1,25	80	5	20	6	0,9°
SRCA250212592580	2,5	2	1,25	80	5	25	6	0,9°
SRCA250212593080	2,5	2	1,25	80	5	30	6	0,9°
SRCA250212593580	2,5	2	1,25	80	5	35	6	0,9°
SRCA250212594080	2,5	2	1,25	80	5	40	6	0,9°
SRCA2502125945100	2,5	2	1,25	100	5	45	6	0,9°
SRCA2502125950100	2,5	2	1,25	100	5	50	6	0,9°
SRCA2502125955100	2,5	2	1,25	100	5	55	6	0,9°
SRCA250212541558	2,5	2	1,25	58	5	15	6	0,4°
SRCA250212542058	2,5	2	1,25	58	5	20	6	0,4°
SRCA250212542558	2,5	2	1,25	58	5	25	6	0,4°
SRCA250212541580	2,5	2	1,25	80	5	15	6	0,4°
SRCA250212542080	2,5	2	1,25	80	5	20	6	0,4°
SRCA250212542580	2,5	2	1,25	80	5	25	6	0,4°
SRCA250212543080	2,5	2	1,25	80	5	30	6	0,4°



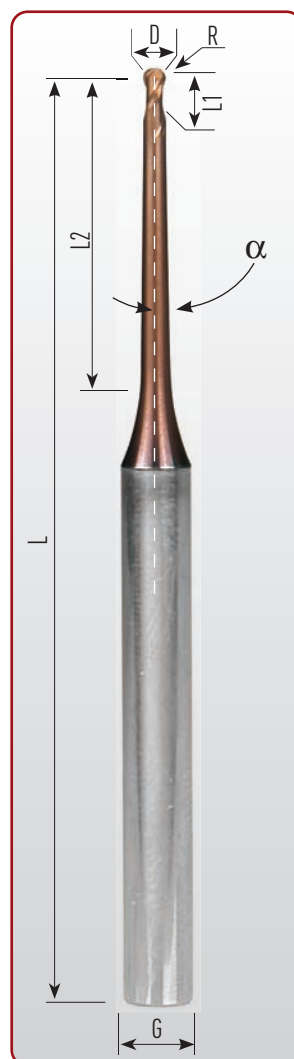
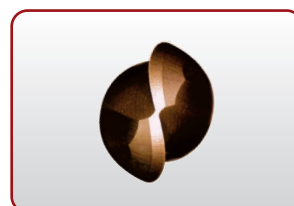


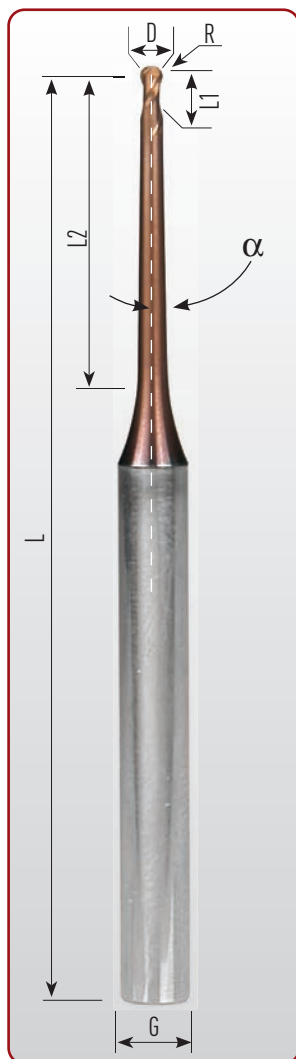
**FRESE SFERICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 3

CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERALL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
SRCA30215141558	3	2	1,5	58	6	15	6	1,4°
SRCA30215142058	3	2	1,5	58	6	20	6	1,4°
SRCA30215142558	3	2	1,5	58	6	25	6	1,4°
SRCA30215141580	3	2	1,5	80	6	15	6	1,4°
SRCA30215142080	3	2	1,5	80	6	20	6	1,4°
SRCA30215142580	3	2	1,5	80	6	25	6	1,4°
SRCA30215143080	3	2	1,5	80	6	30	6	1,4°
SRCA30215143580	3	2	1,5	80	6	35	6	1,4°
SRCA30215144080	3	2	1,5	80	6	40	6	1,4°
SRCA302151445100	3	2	1,5	100	6	45	6	1,4°
SRCA302151450100	3	2	1,5	100	6	50	6	1,4°
SRCA302151455100	3	2	1,5	100	6	55	6	1,4°
SRCA3021591558	3	2	1,5	58	6	15	6	0,9°
SRCA3021592058	3	2	1,5	58	6	20	6	0,9°
SRCA3021592558	3	2	1,5	58	6	25	6	0,9°
SRCA3021591580	3	2	1,5	80	6	15	6	0,9°
SRCA3021592080	3	2	1,5	80	6	20	6	0,9°
SRCA3021592580	3	2	1,5	80	6	25	6	0,9°
SRCA3021593080	3	2	1,5	80	6	30	6	0,9°
SRCA3021593580	3	2	1,5	80	6	35	6	0,9°
SRCA3021594080	3	2	1,5	80	6	40	6	0,9°
SRCA30215945100	3	2	1,5	100	6	45	6	0,9°
SRCA30215950100	3	2	1,5	100	6	50	6	0,9°
SRCA30215955100	3	2	1,5	100	6	55	6	0,9°
SRCA3021541558	3	2	1,5	58	6	15	6	0,4°
SRCA3021542058	3	2	1,5	58	6	20	6	0,4°
SRCA3021542558	3	2	1,5	58	6	25	6	0,4°
SRCA3021541580	3	2	1,5	80	6	15	6	0,4°
SRCA3021542080	3	2	1,5	80	6	20	6	0,4°
SRCA3021542580	3	2	1,5	80	6	25	6	0,4°
SRCA3021543080	3	2	1,5	80	6	30	6	0,4°



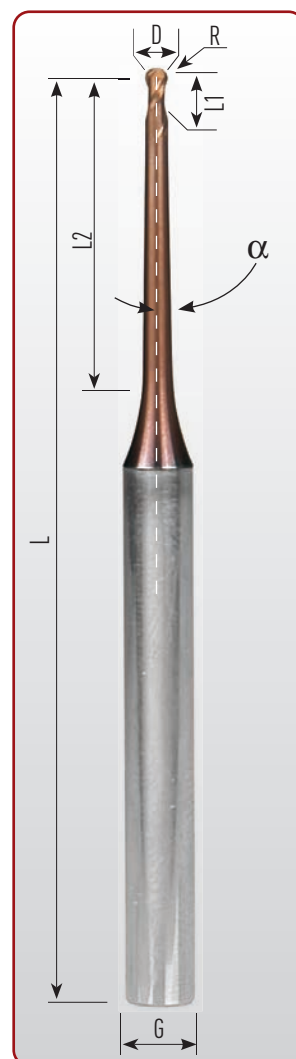
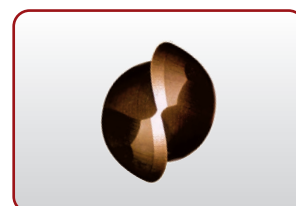
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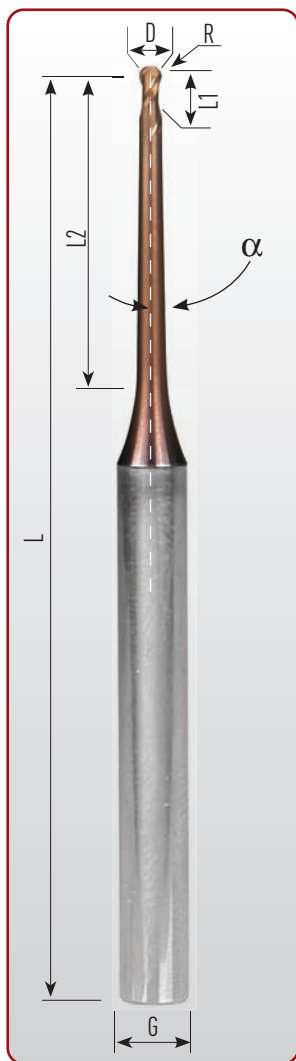
**FRESE SFERICHE GAMBO RINFORZATO CON SCARICO CONICO IN METALLO DURO
RIVESTITO "HARD BLADE" PER LAVORAZIONI DI ACCIAI LEGATI E TEMPRATI**
BALL NOSED END MILLS REINFORCED SOLID CARBIDE COATED CONICAL OUTLET



Ø 4

CODICE	DIAMETRO	N° DENTI	RAGGIO	LUNG. TOT.	L. TAGL.	LUNG. SCARICO	DIAMETRO GAMBO	ANGOLO SCARICO
CODE	DIAMETER	NUMBER FLUTE	CORNER RADIUS	OVERAL L.	L. OF CUT	L. BELLOW SHANK	SHANK DIAMETER	NECK TAPER ANGLE
	D	Z	R	L	L1	L2	G	α
SRCA4022141558	4	2	2	58	6	15	6	1,4°
SRCA4022142058	4	2	2	58	6	20	6	1,4°
SRCA4022142558	4	2	2	58	6	25	6	1,4°
SRCA4022141580	4	2	2	80	6	15	6	1,4°
SRCA4022142080	4	2	2	80	6	20	6	1,4°
SRCA4022142580	4	2	2	80	6	25	6	1,4°
SRCA4022143080	4	2	2	80	6	30	6	1,4°
SRCA4022143580	4	2	2	80	6	35	6	1,4°
SRCA4022144080	4	2	2	80	6	40	8	1,4°
SRCA40221445100	4	2	2	100	6	45	8	1,4°
SRCA40221450100	4	2	2	100	6	50	8	1,4°
SRCA40221455100	4	2	2	100	6	55	8	1,4°
SRCA402291558	4	2	2	58	6	15	6	0,9°
SRCA402292058	4	2	2	58	6	20	6	0,9°
SRCA402292558	4	2	2	58	6	25	6	0,9°
SRCA402291580	4	2	2	80	6	15	6	0,9°
SRCA402292080	4	2	2	80	6	20	6	0,9°
SRCA402292580	4	2	2	80	6	25	6	0,9°
SRCA402293080	4	2	2	80	6	30	6	0,9°
SRCA402293580	4	2	2	80	6	35	6	0,9°
SRCA402294080	4	2	2	80	6	40	6	0,9°
SRCA4022945100	4	2	2	100	6	45	6	0,9°
SRCA4022950100	4	2	2	100	6	50	6	0,9°
SRCA4022955100	4	2	2	100	6	55	6	0,9°
SRCA402241558	4	2	2	58	6	15	6	0,4°
SRCA402242058	4	2	2	58	6	20	6	0,4°
SRCA402242558	4	2	2	58	6	25	6	0,4°
SRCA402241580	4	2	2	80	6	15	6	0,4°
SRCA402242080	4	2	2	80	6	20	6	0,4°
SRCA402242580	4	2	2	80	6	25	6	0,4°
SRCA402243080	4	2	2	80	6	30	6	0,4°



[illegible]

PUNTE IN METALLO DURO RIVESTITE

SOLID CARBIDE COVERED DRILLS



**PROGRAMMA DI PUNTE IN METALLO DURO
INTEGRALE, CON O SENZA FORI, RIVESTITE**

**PROGRAM OF SOLID CARBIDE DRILLS COATED,
WITH AND WITHOUT COOLANT HOLE**

Le nostre punte si distinguono
per le altissime prestazioni e durata,
grazie a rivestimenti a doppio strato lucidato
per un'evacuazione del truciolo più fluido.



INDICE PRODOTTI

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118 PUNTE IN METALLO DURO 3XD CODOLO RINFORZATO
SOLID CARBIDE DRILLS REINFORCEMENT SHANK



121 PUNTE IN METALLO DURO 5XD CODOLO RINFORZATO
SOLID CARBIDE DRILLS REINFORCEMENT SHANK



124 PUNTE IN METALLO DURO 3XD CON FORI DI LUBRIFICAZIONE
SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES



127 PUNTE IN METALLO DURO 5XD CON FORI DI LUBRIFICAZIONE
SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES



130 PUNTE IN METALLO DURO 8XD CON FORI DI LUBRIFICAZIONE
SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES



132 PUNTE DA CENTRO IN METALLO DURO TESTA 90°
SOLID CARBIDE SPOTTING DRILLS 90°



132 PUNTE DA CENTRO IN METALLO DURO TESTA 120°
SOLIDE CARBIDE SPOTTING DRILLS 120°

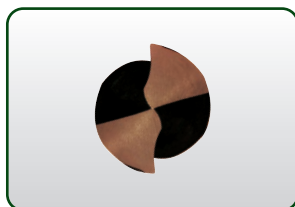


133 PUNTE IN MD SENZA FORI LUBRIFICAZIONE (DIN6539, DIN6537)
SOLIDE CARBIDE DRILLS WITH COOLANT HOLES (DIN6539, DIN6537)

134 SERIE DI PUNTE IN METALLI DURO CON FORI DI LUBRIFICAZIONE DIN 6537
RIVESTITE TIAIN (DIN6537)
SOLIDE CARBIDE DRILLS WITH COOLANT HOLES (DIN6537)

PUNTE IN METALLO DURO 3XD CODOLO RINFORZATO

SOLID CARBIDE DRILLS REINFORCEMENT SHANK



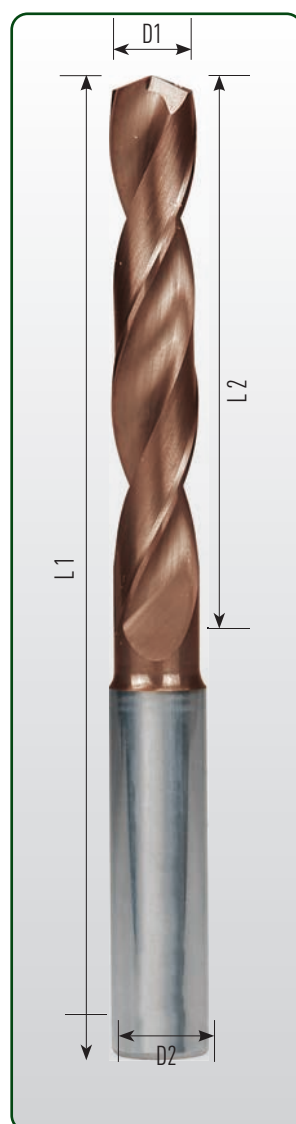
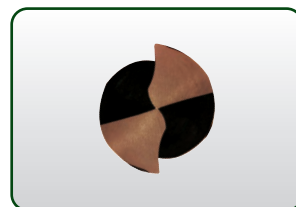
CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	LUNG. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL LENGTH	FLUTE LENGTH
	D1	D2	L1	L2
PGR0302TN3	3	6	62	20
PGR03102TN3	3,1	6	62	20
PGR03202TN3	3,2	6	62	20
PGR03302TN3	3,3	6	62	20
PGR03402TN3	3,4	6	62	20
PGR03502TN3	3,5	6	62	20
PGR03602TN3	3,6	6	62	20
PGR03702TN3	3,7	6	62	20
PGR03802TN3	3,8	6	66	24
PGR03902TN3	3,9	6	66	24
PGR0402TN3	4	6	66	24
PGR04102TN3	4,1	6	66	24
PGR04202TN3	4,2	6	66	24
PGR04302TN3	4,3	6	66	24
PGR04402TN3	4,4	6	66	24
PGR04502TN3	4,5	6	66	24
PGR04602TN3	4,6	6	66	24
PGR04702TN3	4,7	6	66	24
PGR04802TN3	4,8	6	66	28
PGR04902TN3	4,9	6	66	28
PGR0502TN3	5	6	66	28
PGR05102TN3	5,1	6	66	28
PGR05202TN3	5,2	6	66	28
PGR05302TN3	5,3	6	66	28
PGR05402TN3	5,4	6	66	28
PGR05502TN3	5,5	6	66	28
PGR05602TN3	5,6	6	66	28
PGR05702TN3	5,7	6	66	28
PGR05802TN3	5,8	6	66	28
PGR05902TN3	5,9	6	66	28
PGR0602TN3	6	6	66	28
PGR06102TN3	6,1	8	79	34
PGR06202TN3	6,2	8	79	34
PGR06302TN3	6,3	8	79	34
PGR06402TN3	6,4	8	79	34
PGR06502TN3	6,5	8	79	34
PGR06602TN3	6,6	8	79	34
PGR06702TN3	6,7	8	79	34
PGR06802TN3	0,8	8	79	34
PGR06902TN3	6,9	8	79	34
PGR0702TN3	7	8	79	34
PGR07102TN3	7,1	8	79	41
PGR07202TN3	7,2	8	79	41
PGR07302TN3	7,3	8	79	41
PGR07402TN3	7,4	8	79	41
PGR07502TN3	7,5	8	79	41

PUNTE IN METALLO DURO 3XD CODOLO RINFORZATO

SOLID CARBIDE DRILLS REINFORCEMENT SHANK



CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	LUNG. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL LENGTH	FLUTE LENGTH
	D1	D2	L1	L2
PGR07602TN3	7,6	8	79	41
PGR07702TN3	7,7	8	79	41
PGR07802TN3	7,8	8	79	41
PGR07902TN3	7,9	8	79	41
PGR0802TN3	8	8	79	41
PGR08102TN3	8,1	10	89	47
PGR08202TN3	8,2	10	89	47
PGR08302TN3	8,3	10	89	47
PGR08402TN3	8,4	10	89	47
PGR08502TN3	8,5	10	89	47
PGR08602TN3	8,6	10	89	47
PGR08702TN3	8,7	10	89	47
PGR08802TN3	8,8	10	89	47
PGR08902TN3	8,9	10	89	47
PGR0902TN3	9	10	89	47
PGR09102TN3	9,1	10	89	47
PGR09202TN3	9,2	10	89	47
PGR09302TN3	9,3	10	89	47
PGR09402TN3	9,4	10	89	47
PGR09502TN3	9,5	10	89	47
PGR09602TN3	9,6	10	89	47
PGR09702TN3	9,7	10	89	47
PGR09802TN3	9,8	10	89	47
PGR09902TN3	9,9	10	89	47
PGR1002TN3	10	10	89	47
PGR10102TN3	10,1	12	102	55
PGR10202TN3	10,2	12	102	55
PGR10302TN3	10,3	12	102	55
PGR10402TN3	10,4	12	102	55
PGR10502TN3	10,5	12	102	55
PGR10602TN3	10,6	12	102	55
PGR10702TN3	10,7	12	102	55
PGR10802TN3	10,8	12	102	55
PGR10902TN3	10,9	12	102	55
PGR1102TN3	11	12	102	55
PGR11102TN3	11,1	12	102	55
PGR11202TN3	11,2	12	102	55
PGR11302TN3	11,3	12	102	55
PGR11402TN3	11,4	12	102	55
PGR11502TN3	11,5	12	102	55
PGR11602TN3	11,6	12	102	55
PGR11702TN3	11,7	12	102	55
PGR11802TN3	11,8	12	102	55
PGR11902TN3	11,9	12	102	55
PGR1202TN3	12	12	102	55
PGR12302TN3	12,3	14	107	60



PUNTE IN METALLO DURO 3XD CODOLO RINFORZATO
SOLID CARBIDE DRILLS REINFORCEMENT SHANK

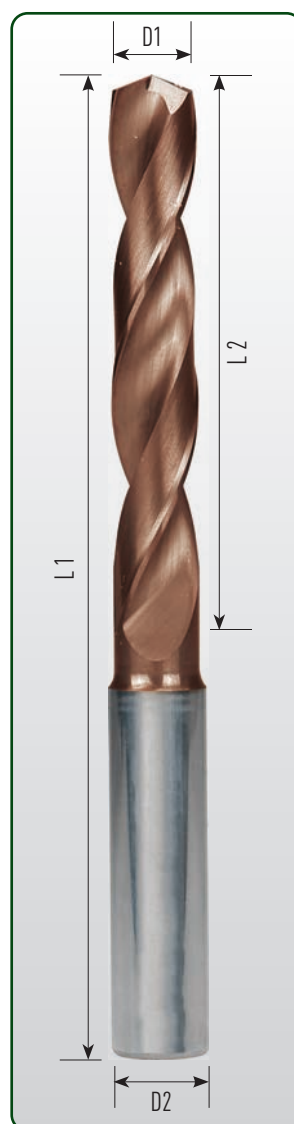
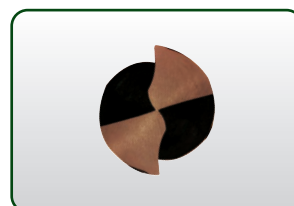
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PUNTE IN METALLO DURO 5XD CODOLO RINFORZATO

SOLID CARBIDE DRILLS REINFORCEMENT SHANK

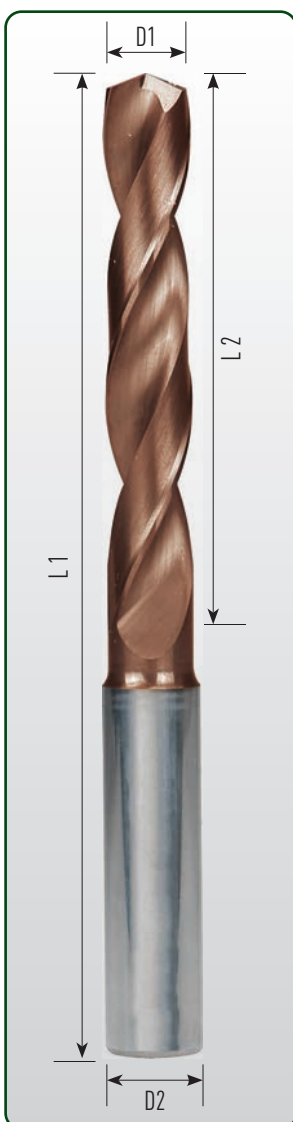
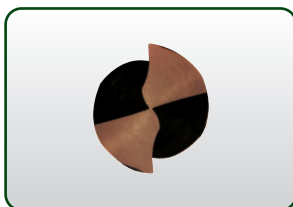


CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	L. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL L.	FLUTE L.
	D1	D2	L1	L2
PGR0102TN5	1	3	55	8
PGR01102TN5	1,1	3	55	12
PGR01202TN5	1,2	3	55	12
PGR01302TN5	1,3	3	55	12
PGR01402TN5	1,4	3	55	12
PGR01502TN5	1,5	3	55	12
PGR01602TN5	1,6	3	55	16
PGR01702TN5	1,7	3	55	16
PGR01802TN5	1,8	3	55	16
PGR01902TN5	1,9	3	55	16
PGR0202TN5	2	3	55	16
PGR02102TN5	2,1	4	57	21
PGR02202TN5	2,2	4	57	21
PGR02302TN5	2,3	4	57	21
PGR02402TN5	2,4	4	57	21
PGR02502TN5	2,5	4	57	21
PGR02602TN5	2,6	4	57	21
PGR02702TN5	2,7	4	57	21
PGR02802TN5	2,8	4	57	21
PGR02902TN5	2,9	4	57	21
PGR0302TN5	3	6	66	28
PGR03102TN5	3,1	6	66	28
PGR03202TN5	3,2	6	66	28
PGR03302TN5	3,3	6	66	28
PGR03402TN5	3,4	6	66	28
PGR03502TN5	3,5	6	66	28
PGR03602TN5	3,6	6	66	28
PGR03702TN5	3,7	6	66	28
PGR03802TN5	3,8	6	74	36
PGR03902TN5	3,9	6	74	36
PGR0402TN5	4	6	74	36
PGR04102TN5	4,1	6	74	36
PGR04202TN5	4,2	6	74	36
PGR04302TN5	4,3	6	74	36
PGR04402TN5	4,4	6	74	36
PGR04502TN5	4,5	6	74	36
PGR04602TN5	4,6	6	74	36
PGR04702TN5	4,7	6	74	36
PGR04802TN5	4,8	6	82	44
PGR04902TN5	4,9	6	82	44
PGR0502TN5	5	6	82	44
PGR05102TN5	5,1	6	82	44
PGR05202TN5	5,2	6	82	44
PGR05302TN5	5,3	6	82	44
PGR05402TN5	5,4	6	82	44
PGR05502TN5	5,5	6	82	44



PUNTE IN METALLO DURO 5XD CODOLO RINFORZATO

SOLID CARBIDE DRILLS REINFORCEMENT SHANK



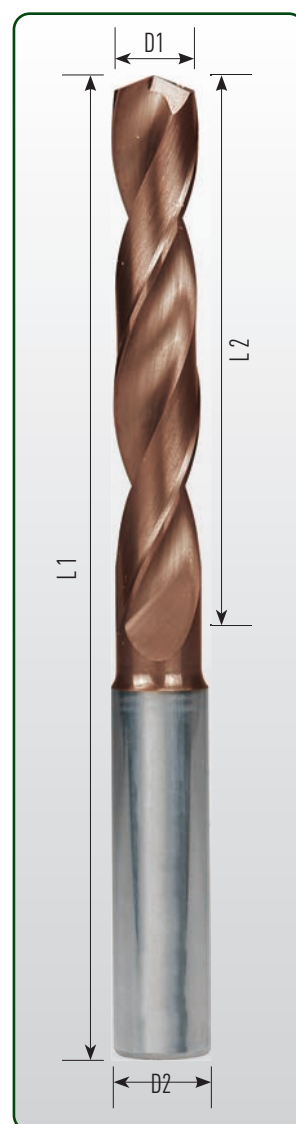
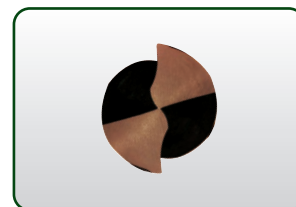
CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	L. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL L.	FLUTE L.
	D1	D2	L1	L2
PGR05602TN5	5,6	6	82	44
PGR05702TN5	5,7	6	82	44
PGR05802TN5	5,8	6	82	44
PGR05902TN5	5,9	6	82	44
PGR0602TN5	6	6	82	44
PGR06102TN5	6,1	8	91	53
PGR06202TN5	6,2	8	91	53
PGR06302TN5	6,3	8	91	53
PGR06402TN5	6,4	8	91	53
PGR06502TN5	6,5	8	91	53
PGR06602TN5	6,6	8	91	53
PGR06702TN5	6,7	8	91	53
PGR06802TN5	6,8	8	91	53
PGR06902TN5	6,9	8	91	53
PGR0702TN5	7	8	91	53
PGR07102TN5	7,1	8	91	53
PGR07202TN5	7,2	8	91	53
PGR07302TN5	7,3	8	91	53
PGR07502TN5	7,4	8	91	53
PGR07502TN5	7,5	8	91	53
PGR07602TN5	7,6	8	91	53
PGR07702TN5	7,7	8	91	53
PGR07802TN5	7,8	8	91	53
PGR07902TN5	7,9	8	91	53
PGR0802TN5	8	8	91	53
PGR08102TN5	8,1	10	103	61
PGR08202TN5	8,2	10	103	61
PGR08302TN5	8,3	10	103	61
PGR08402TN5	8,4	10	103	61
PGR08502TN5	8,5	10	103	61
PGR08602TN5	8,6	10	103	61
PGR08702TN5	8,7	10	103	61
PGR08802TN5	8,8	10	103	61
PGR08902TN5	8,9	10	103	61
PGR0902TN5	9	10	103	61
PGR09102TN5	9,1	10	103	61
PGR09202TN5	9,2	10	103	61
PGR09302TN5	9,3	10	103	61
PGR09402TN5	9,4	10	103	61
PGR09502TN5	9,5	10	103	61
PGR09602TN5	9,6	10	103	61
PGR09702TN5	9,7	10	103	61
PGR09802TN5	9,8	10	103	61
PGR09902TN5	9,9	10	103	61
PGR1002TN5	10	10	103	61
PGR10102TN5	10,1	12	118	71

PUNTE IN METALLO DURO 5XD CODOLO RINFORZATO

SOLID CARBIDE DRILLS REINFORCEMENT SHANK

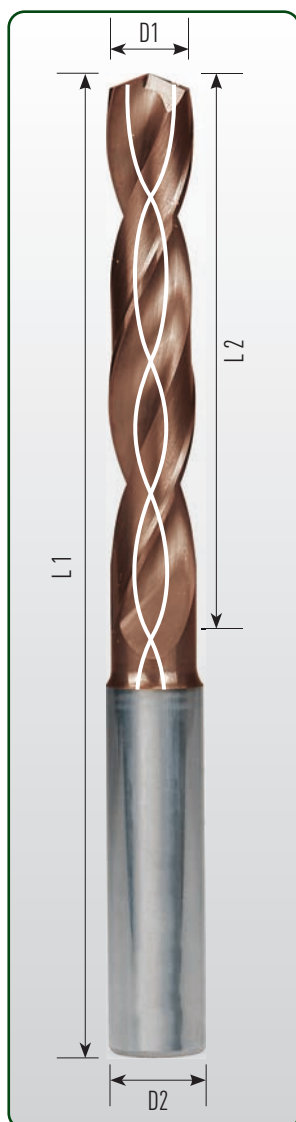
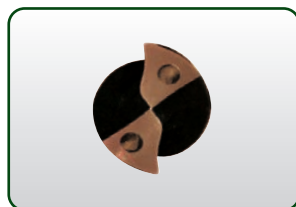


CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	L. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL L.	FLUTE L.
	D1	D2	L1	L2
PGR10202TN5	10,2	12	118	71
PGR10302TN5	10,3	12	118	71
PGR10402TN5	10,4	12	118	71
PGR10502TN5	10,5	12	118	71
PGR10602TN5	10,6	12	118	71
PGR10702TN5	10,7	12	118	71
PGR10802TN5	10,8	12	118	71
PGR10902TN5	10,9	12	118	71
PGR1102TN5	11	12	118	71
PGR11102TN5	11,1	12	118	71
PGR11202TN5	11,2	12	118	71
PGR11302TN5	11,3	12	118	71
PGR11402TN5	11,4	12	118	71
PGR11502TN5	11,5	12	118	71
PGR11602TN5	11,6	12	118	71
PGR11702TN5	11,7	12	118	71
PGR11802TN5	11,8	12	118	71
PGR11902TN5	11,9	12	118	71
PGR1202TN5	12	12	118	71
PGR12302TN5	12,3	14	124	77
PGR12502TN5	12,5	14	124	77
PGR12802TN5	12,8	14	124	77
PGR1302TN5	13	14	124	77
PGR13502TN5	13,5	14	124	77
PGR13802TN5	13,8	14	124	77
PGR1402TN5	14	14	124	77
PGR14502TN5	14,5	16	133	83
PGR14802TN5	14,8	16	133	83
PGR1502TN5	15	16	133	83
PGR15502TN5	15,5	16	133	83
PGR15802TN5	15,8	16	133	83
PGR1602TN5	16	16	133	83
PGR16502TN5	16,5	18	143	93
PGR16802TN5	16,8	18	143	93
PGR1702TN5	17	18	143	93
PGR17502TN5	17,5	18	143	93
PGR17802TN5	17,8	18	143	93
PGR1802TN5	18	18	143	93
PGR18502TN5	18,5	20	153	101
PGR18802TN5	18,8	20	153	101
PGR1902TN5	19	20	153	101
PGR19502TN5	19,5	20	153	101
PGR19802TN5	19,8	20	153	101
PGR2002TN5	20	20	153	101



PUNTE IN METALLO DURO 3XD CON FORI DI LUBRIFICAZIONE

SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES



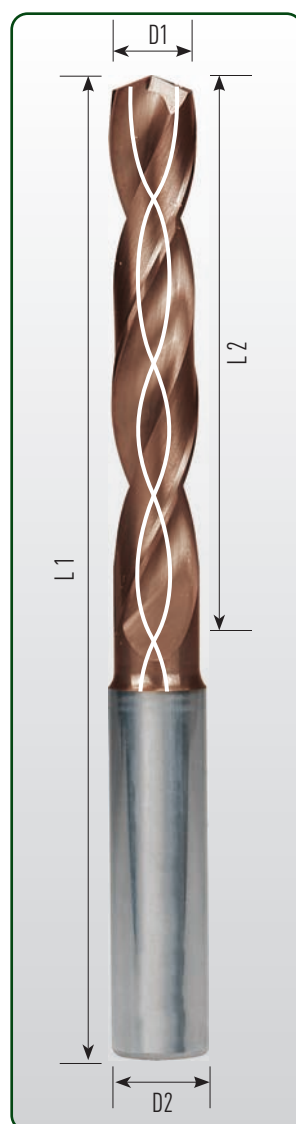
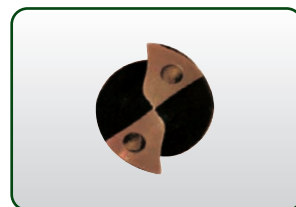
CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	L. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL L.	FLUTE L.
	D1	D2	L1	L2
PFR0302TN3	3	6	62	20
PFR03102TN3	3,1	6	62	20
PFR03202TN3	3,2	6	62	20
PFR03302TN3	3,3	6	62	20
PFR03402TN3	3,4	6	62	20
PFR03502TN3	3,5	6	62	20
PFR03602TN3	3,6	6	62	20
PFR03702TN3	3,7	6	62	20
PFR03802TN3	3,8	6	66	24
PFR03902TN3	3,9	6	66	24
PFR0402TN3	4	6	66	24
PFR04102TN3	4,1	6	66	24
PFR04202TN3	4,2	6	66	24
PFR04302TN3	4,3	6	66	24
PFR04402TN3	4,4	6	66	24
PFR04502TN3	4,5	6	66	24
PFR04602TN3	4,6	6	66	24
PFR04702TN3	4,7	6	66	24
PFR04802TN3	4,8	6	66	28
PFR04902TN3	4,9	6	66	28
PFR0502TN3	5	6	66	28
PFR05102TN3	5,1	6	66	28
PFR05202TN3	5,2	6	66	28
PFR05302TN3	5,3	6	66	28
PFR05402TN3	5,4	6	66	28
PFR05502TN3	5,5	6	66	28
PFR05602TN3	5,6	6	66	28
PFR05702TN3	5,7	6	66	28
PFR05802TN3	5,8	6	66	28
PFR05902TN3	5,9	6	66	28
PFR0602TN3	6	6	66	28
PFR06102TN3	6,1	8	79	34
PFR06202TN3	6,2	8	79	34
PFR06302TN3	6,3	8	79	34
PFR06402TN3	6,4	8	79	34
PFR06502TN3	6,5	8	79	34
PFR06602TN3	6,6	8	79	34
PFR06702TN3	6,7	8	79	34
PFR06802TN3	6,8	8	79	34
PFR06902TN3	6,9	8	79	34
PFR0702TN3	7	8	79	34
PFR07102TN3	7,1	8	79	41
PFR07202TN3	7,2	8	79	41
PFR07302TN3	7,3	8	79	41
PFR07402TN3	7,4	8	79	41
PFR07502TN3	7,5	8	79	41

PUNTE IN METALLO DURO 3XD CON FORI DI LUBRIFICAZIONE

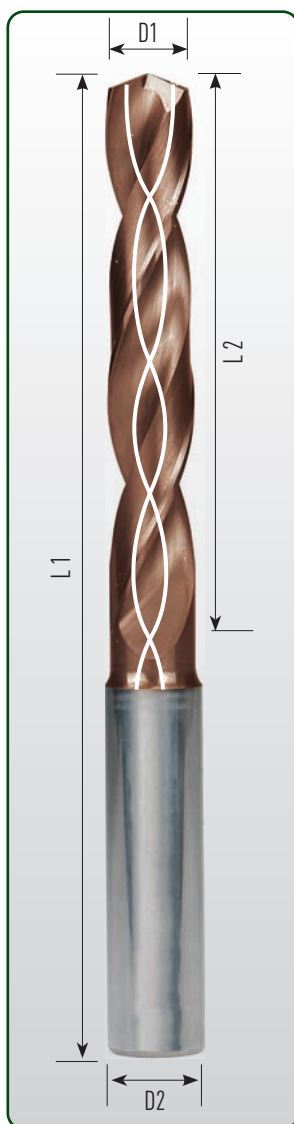
SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES



CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	L. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL L.	FLUTE L.
	D1	D2	L1	L2
PFR07602TN3	7,6	8	79	41
PFR07702TN3	7,7	8	79	41
PFR07802TN3	7,8	8	79	41
PFR07902TN3	7,9	8	79	41
PFR0802TN3	8	8	79	41
PFR08102TN3	8,1	10	89	47
PFR08202TN3	8,2	10	89	47
PFR08302TN3	8,3	10	89	47
PFR08402TN3	8,4	10	89	47
PFR08502TN3	8,5	10	89	47
PFR08602TN3	8,6	10	89	47
PFR08702TN3	8,7	10	89	47
PFR08802TN3	8,8	10	89	47
PFR08902TN3	8,9	10	89	47
PFR0902TN3	9	10	89	47
PFR09102TN3	9,1	10	89	47
PFR09202TN3	9,2	10	89	47
PFR09302TN3	9,3	10	89	47
PFR09402TN3	9,4	10	89	47
PFR09502TN3	9,5	10	89	47
PFR09602TN3	9,6	10	89	47
PFR09702TN3	9,7	10	89	47
PFR09802TN3	9,8	10	89	47
PFR09902TN3	9,9	10	89	47
PFR1002TN3	10	10	89	47
PFR10102TN3	10,1	12	102	55
PFR10202TN3	10,2	12	102	55
PFR10302TN3	10,3	12	102	55
PFR10402TN3	10,4	12	102	55
PFR10502TN3	10,5	12	102	55
PFR10602TN3	10,6	12	102	55
PFR10702TN3	10,7	12	102	55
PFR10802TN3	10,8	12	102	55
PFR10902TN3	10,9	12	102	55
PFR1102TN3	11	12	102	55
PFR11102TN3	11,1	12	102	55
PFR11202TN3	11,2	12	102	55
PFR11302TN3	11,3	12	102	55
PFR11402TN3	11,4	12	102	55
PFR11502TN3	11,5	12	102	55
PFR11602TN3	11,6	12	102	55
PFR11702TN3	11,7	12	102	55
PFR11802TN3	11,8	12	102	55
PFR11902TN3	11,9	12	102	55
PFR1202TN3	12	12	102	55
PFR12502TN3	12,5	14	107	60



PUNTE IN METALLO DURO 3XD CON FORI DI LUBRIFICAZIONE
SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES

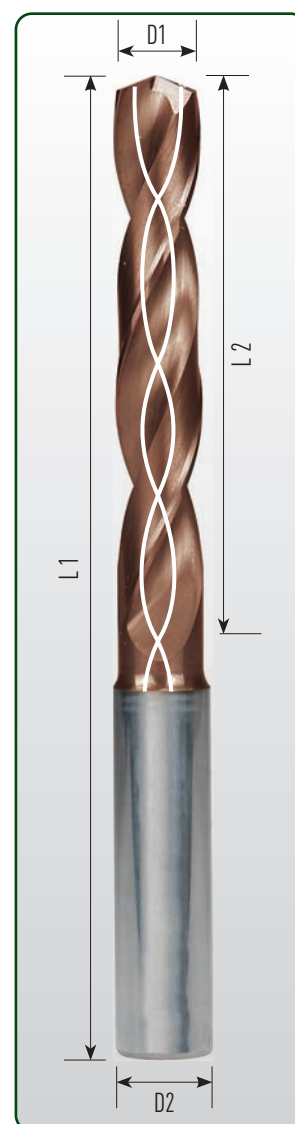
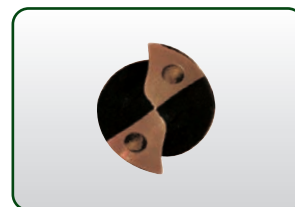
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PUNTE IN METALLO DURO 5XD CON FORI DI LUBRIFICAZIONE

SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES

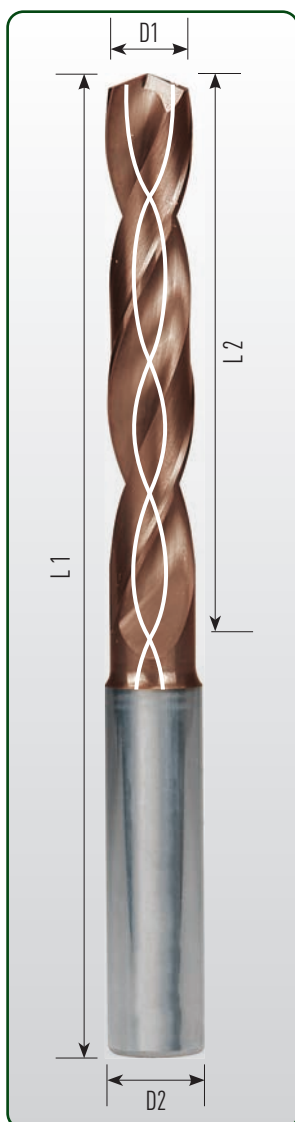
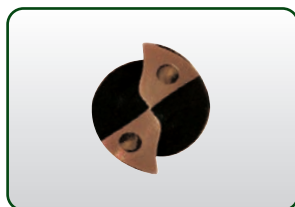


CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	L. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL L.	FLUTE L.
	D1	D2	L1	L2
PFR0302TN5	3	6	66	28
PFR03102TN5	3,1	6	66	28
PFR03202TN5	3,2	6	66	28
PFR03302TN5	3,3	6	66	28
PFR03402TN5	3,4	6	66	28
PFR03502TN5	3,5	6	66	28
PFR03602TN5	3,6	6	66	28
PFR03702TN5	3,7	6	66	28
PFR03802TN5	3,8	6	74	36
PFR03902TN5	3,9	6	74	36
PFR0402TN5	4	6	74	36
PFR04102TN5	4,1	6	74	36
PFR04202TN5	4,2	6	74	36
PFR04302TN5	4,3	6	74	36
PFR04402TN5	4,4	6	74	36
PFR04502TN5	4,5	6	74	36
PFR04602TN5	4,6	6	74	36
PFR04702TN5	4,7	6	74	36
PFR04802TN5	4,8	6	82	44
PFR04902TN5	4,9	6	82	44
PFR0502TN5	5	6	82	44
PFR05102TN5	5,1	6	82	44
PFR05202TN5	5,2	6	82	44
PFR05302TN5	5,3	6	82	44
PFR05402TN5	5,4	6	82	44
PFR05502TN5	5,5	6	82	44
PFR05602TN5	5,6	6	82	44
PFR05702TN5	5,7	6	82	44
PFR05802TN5	5,8	6	82	44
PFR05902TN5	5,9	6	82	44
PFR0602TN5	6	6	82	44
PFR06102TN5	6,1	8	91	53
PFR06202TN5	6,2	8	91	53
PFR06302TN5	6,3	8	91	53
PFR06402TN5	6,4	8	91	53
PFR06502TN5	6,5	8	91	53
PFR06602TN5	6,6	8	91	53
PFR06702TN5	6,7	8	91	53
PFR06802TN5	6,8	8	91	53
PFR06902TN5	6,9	8	91	53
PFR0702TN5	7	8	91	53
PFR07102TN5	7,1	8	91	53
PFR07202TN5	7,2	8	91	53
PFR07302TN5	7,3	8	91	53
PFR07402TN5	7,4	8	91	53
PFR07502TN5	7,5	8	91	53



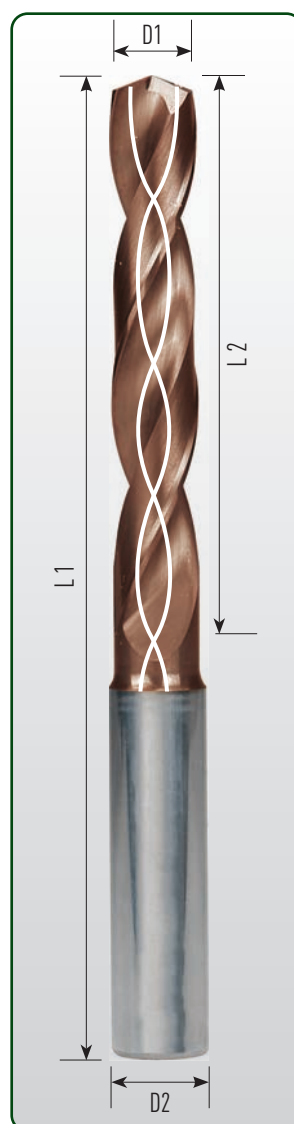
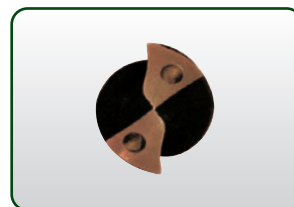
PUNTE IN METALLO DURO 5XD CON FORI DI LUBRIFICAZIONE

SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES



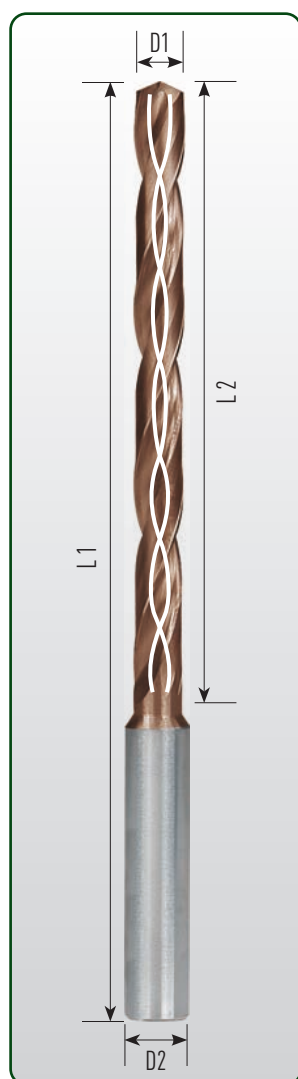
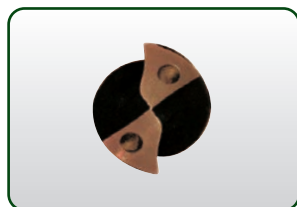
CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	L. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL L.	FLUTE L.
	D1	D2	L1	L2
PFR07602TN5	7,6	8	91	53
PFR07702TN5	7,7	8	91	53
PFR07802TN5	7,8	8	91	53
PFR07902TN5	7,9	8	91	53
PFR0802TN5	8	8	91	53
PFR08102TN5	8,1	10	103	61
PFR08202TN5	8,2	10	103	61
PFR08302TN5	8,3	10	103	61
PFR08402TN5	8,4	10	103	61
PFR08502TN5	8,5	10	103	61
PFR08602TN5	8,6	10	103	61
PFR08702TN5	8,7	10	103	61
PFR08802TN5	8,8	10	103	61
PFR08902TN5	8,9	10	103	61
PFR0902TN5	9	10	103	61
PFR09102TN5	9,1	10	103	61
PFR09202TN5	9,2	10	103	61
PFR09302TN5	9,3	10	103	61
PFR09402TN5	9,4	10	103	61
PFR09502TN5	9,5	10	103	61
PFR09602TN5	9,6	10	103	61
PFR09702TN5	9,7	10	103	61
PFR09802TN5	9,8	10	103	61
PFR09902TN5	9,9	10	103	61
PFR1002TN5	10	10	103	61
PFR10102TN5	10,1	12	118	71
PFR10202TN5	10,2	12	118	71
PFR10302TN5	10,3	12	118	71
PFR10402TN5	10,4	12	118	71
PFR10502TN5	10,5	12	118	71
PFR10602TN5	10,6	12	118	71
PFR10702TN5	10,7	12	118	71
PFR10802TN5	10,8	12	118	71
PFR10902TN5	10,9	12	118	71
PFR1102TN5	11	12	118	71
PFR11102TN5	11,1	12	118	71
PFR11202TN5	11,2	12	118	71
PFR11302TN5	11,3	12	118	71
PFR11402TN5	11,4	12	118	71
PFR11502TN5	11,5	12	118	71
PFR11602TN5	11,6	12	118	71
PFR11702TN5	11,7	12	118	71
PFR11802TN5	11,8	12	118	71
PFR11902TN5	11,9	12	118	71
PFR1202TN5	12	12	118	71
PFR12502TN5	12,5	14	124	77

PUNTE IN METALLO DURO 5XD CON FORI DI LUBRIFICAZIONE
SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES

[illegible]

PUNTE IN METALLO DURO 8XD CON FORI DI LUBRIFICAZIONE

SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES



CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	L. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL L.	FLUTE L.
	D1	D2	L1	L2

EXTRA LONG LENGTH

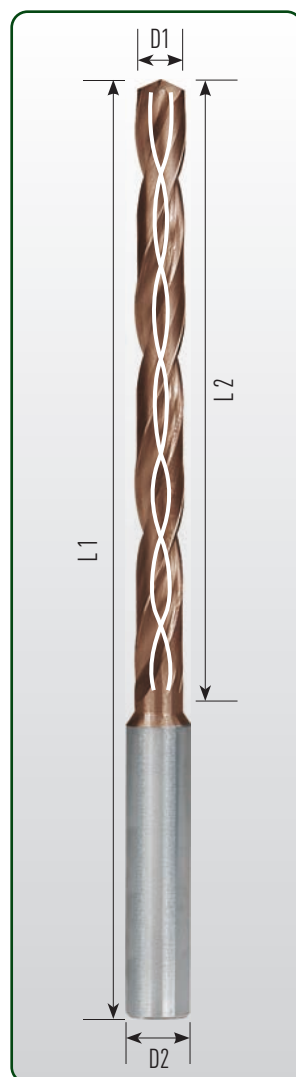
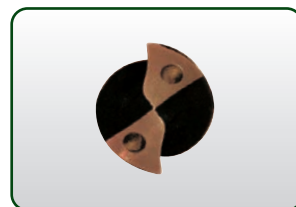
PFR0302TN8	3	6	72	34
PFR03102TN8	3,1	6	72	34
PFR03202TN8	3,2	6	72	34
PFR03302TN8	3,3	6	72	34
PFR03402TN8	3,4	6	72	34
PFR03502TN8	3,5	6	72	34
PFR03602TN8	3,6	6	72	34
PFR03702TN8	3,7	6	72	34
PFR03802TN8	3,8	6	81	43
PFR03902TN8	3,9	6	81	43
PFR0402TN8	4	6	81	43
PFR04102TN8	4,1	6	81	43
PFR04202TN8	4,2	6	81	43
PFR04302TN8	4,3	6	81	43
PFR04402TN8	4,4	6	81	43
PFR04502TN8	4,5	6	81	43
PFR04602TN8	4,6	6	81	43
PFR04702TN8	4,7	6	81	43
PFR04802TN8	4,8	6	95	57
PFR04902TN8	4,9	6	95	57
PFR0502TN8	5	6	95	57
PFR05102TN8	5,1	6	95	57
PFR05202TN8	5,2	6	95	57
PFR05302TN8	5,3	6	95	57
PFR05402TN8	5,4	6	95	57
PFR05502TN8	5,5	6	95	57
PFR05602TN8	5,6	6	95	57
PFR05702TN8	5,7	6	95	57
PFR05802TN8	5,8	6	95	57
PFR05902TN8	5,9	6	95	57
PFR0602TN8	6	6	95	57
PFR06102TN8	6,1	8	114	76
PFR06202TN8	6,2	8	114	76
PFR06302TN8	6,3	8	114	76
PFR06402TN8	6,4	8	114	76
PFR06502TN8	6,5	8	114	76
PFR06602TN8	6,6	8	114	76
PFR06702TN8	6,7	8	114	76
PFR06802TN8	6,8	8	114	76
PFR06902TN8	6,9	8	114	76
PFR0702TN8	7	8	114	76
PFR07102TN8	7,1	8	114	76
PFR07202TN8	7,2	8	114	76
PFR07302TN8	7,3	8	114	76
PFR07402TN8	7,4	8	114	76

PUNTE IN METALLO DURO 8XD CON FORI DI LUBRIFICAZIONE

SOLID CARBIDE DRILLS REINFORCEMENT SHANK WITH COOLANT HOLES

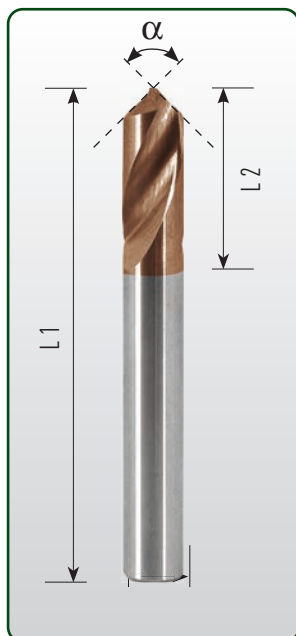
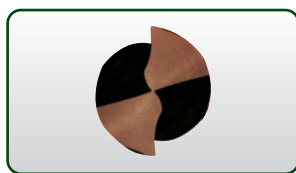


CODICE	DIAMETRO	DIAM. CODOLO	LUNG. TOT	L. TAGL
CODE	DRILL DIAMETER	SHANK DIAMETER	OVERALL L.	FLUTE L.
	D1	D2	L1	L2
PFR07502TN8	7,5	8	114	76
PFR07602TN8	7,6	8	114	76
PFR07702TN8	7,7	8	114	76
PFR07802TN8	7,8	8	114	76
PFR07902TN8	7,9	8	114	76
PFR0802TN8	8	8	114	76
PFR08102TN8	8,1	10	142	95
PFR08202TN8	8,2	10	142	95
PFR08302TN8	8,3	10	142	95
PFR08402TN8	8,4	10	142	95
PFR08502TN8	8,5	10	142	95
PFR08602TN8	8,6	10	142	95
PFR08702TN8	8,7	10	142	95
PFR08802TN8	8,8	10	142	95
PFR08902TN8	8,9	10	142	95
PFR0902TN8	9	10	142	95
PFR09102TN8	9,1	10	142	95
PFR09202TN8	9,2	10	142	95
PFR09302TN8	9,3	10	142	95
PFR09402TN8	9,4	10	142	95
PFR09502TN8	9,5	10	142	95
PFR09602TN8	9,6	10	142	95
PFR09702TN8	9,7	10	142	95
PFR09802TN8	9,8	10	142	95
PFR09902TN8	9,9	10	142	95
PFR1002TN8	10	10	142	95
PFR10102TN8	10,1	12	162	114
PFR10202TN8	10,2	12	162	114
PFR10302TN8	10,3	12	162	114
PFR10402TN8	10,4	12	162	114
PFR10502TN8	10,5	12	162	114
PFR10602TN8	10,6	12	162	114
PFR10702TN8	10,7	12	162	114
PFR10802TN8	10,8	12	162	114
PFR10902TN8	10,9	12	162	114
PFR1102TN8	11	12	162	114
PFR11102TN8	11,1	12	162	114
PFR11202TN8	11,2	12	162	114
PFR11302TN8	11,3	12	162	114
PFR11402TN8	11,4	12	162	114
PFR11502TN8	11,5	12	162	114
PFR11602TN8	11,6	12	162	114
PFR11702TN8	11,7	12	162	114
PFR11802TN8	11,8	12	162	114
PFR11902TN8	11,9	12	162	114
PFR1202TN8	12	12	162	114



PUNTE DA CENTRO IN METALLO DURO TESTA 90°

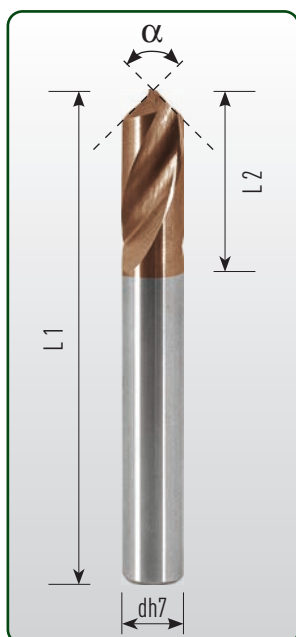
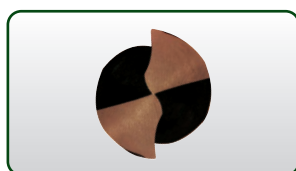
SOLID CARBIDE SPOTTING DRILLS 90°



CODICE				
CODE				
	dh7	L1	L2	α
PDC0302TN90	3	40	6	90
PDC0402TN90	4	50	8	90
PDC0502TN90	5	50	11	90
PDC0602TN90	6	50	13	90
PDC0802TN90	8	60	20	90
PDC1002TN90	10	70	25	90
PDC1202TN90	12	75	25	90
PDC1402TN90	14	90	30	90
PDC1602TN90	16	90	30	90
PDC2002TN90	20	100	30	90

PUNTE DA CENTRO IN METALLO DURO TESTA 120°

SOLIDE CARBIDE SPOTTING DRILLS 120°



CODICE				
CODE				
	dh7	L1	L2	α
PDC0302TN120	3	40	6	120
PDC0402TN120	4	50	8	120
PDC0502TN120	5	50	11	120
PDC0602TN120	6	50	13	120
PDC0802TN120	8	60	20	120
PDC1002TN120	10	70	25	120
PDC1202TN120	12	75	25	120
PDC1402TN120	14	90	30	120
PDC1602TN120	16	90	30	120
PDC2002TN120	20	100	30	120

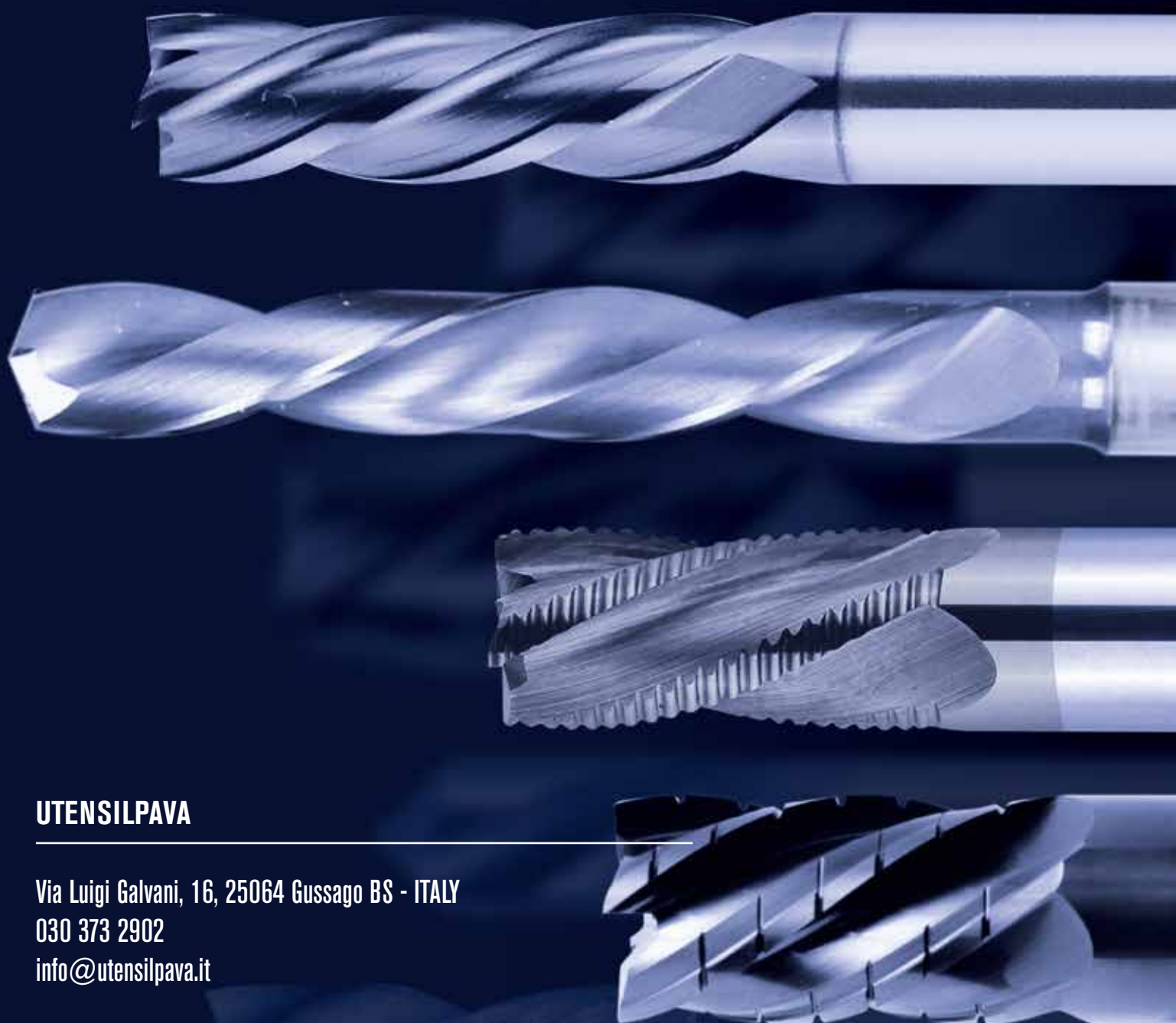
PUNTE IN MD SENZA FORI LUBRIFICAZIONE (DIN6539, DIN6537)											
SOLIDE CARBIDE DRILLS WITH COOLANT HOLES (DIN6539, DIN6537)											
MATERIALE MATERIAL	ACCIAI NON LEG. NON-ALLOY STEELS		ACCIAI LEG. ALLOY STEELS		GHISA CAST IRON		GHISA SFEROIDALE HARD GREY CAST IRON		ACCIAIO INOX STAINLESS STEEL		
DUREZZA STRENGTH	< 700 N/MM2		< 1000 N/mm2		< HB240, GG25		< HB300, GG40				
DIAMETRO DIAMETER	RPM	F	RPM	F	RPM	F	RPM	F	RPM	F	
3	13000	0,13	11000	0,13	21000	0,13	14000	0,13	4780	0,07	
4	9500	0,14	8400	0,14	16000	0,14	10500	0,14	3600	0,08	
5	7600	0,15	6700	0,15	13000	0,15	8300	0,15	2850	0,09	
6	6400	0,17	5600	0,17	11000	0,17	6900	0,17	2400	0,10	
7	5500	0,19	4800	0,19	9100	0,19	5900	0,19	2050	0,11	
8	4800	0,21	4200	0,21	8000	0,21	5200	0,21	1800	0,12	
9	4200	0,23	3700	0,23	7100	0,23	4600	0,23	1600	0,13	
10	3800	0,25	3350	0,25	6400	0,25	4150	0,25	1450	0,15	
12	3200	0,27	2800	0,27	5300	0,27	3450	0,27	1200	0,17	
14	2750	0,29	2400	0,29	4550	0,29	3000	0,29	1000	0,19	
16	2400	0,31	2100	0,31	4000	0,31	2600	0,31	900	0,21	
18	2100	0,33	1850	0,33	3550	0,33	2300	0,33	800	0,23	
20	1900	0,35	1650	0,35	3200	0,35	2100	0,35	700	0,25	

SERIE DI PUNTE IN METALLI DURO CON FORI DI LUBRIFICAZIONE DIN 6537 RIVESTITE TAIN (DIN6537)

SOLIDE CARBIDE DRILLS WITH COOLANT HOLES (DIN6537)

MATERIALE MATERIAL	ACCIAI NON LEG. NON-ALLOY STEELS	ACCIAI LEG. ALLOY STEELS	GHISA CAST IRON	GHISA SFEROIDALE HARD GREY CAST IRON	ACCIAIO INOX STAINLESS STEEL			
DUREZZA STRENGTH	< 700 N/MM2	< 1000 N/mm2	< HB240, GG25	< HB300, GG40				
DIAMETRO DIAMETER	RPM	F	RPM	F	RPM	F		
3	16000	0,16	14500	0,16	26000	0,16	6400	0,10
4	12000	0,17	11000	0,17	20000	0,17	4800	0,11
5	9550	0,18	8600	0,18	16000	0,18	3800	0,13
6	8000	0,20	7200	0,20	13000	0,20	3200	0,14
7	6800	0,22	6100	0,22	11500	0,22	2700	0,15
8	6000	0,24	5400	0,24	9900	0,24	2400	0,17
9	5300	0,27	4800	0,27	8800	0,27	2100	0,18
10	4800	0,30	4300	0,30	8000	0,30	1900	0,21
12	4000	0,33	3600	0,33	6600	0,33	1600	0,24
14	3400	0,36	3050	0,36	5700	0,36	1350	0,27
16	3000	0,39	2700	0,39	5000	0,39	1200	0,29
18	2650	0,42	2400	0,42	4400	0,42	1050	0,32
20	2400	0,45	2150	0,45	4000	0,45	955	0,35

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