



FRESE ELICOIDALI HM INTEGRALE

SOLID CARBIDE SPIRAL CUTTERS

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ART. 217

Frese elicoidali HM integrale Positive

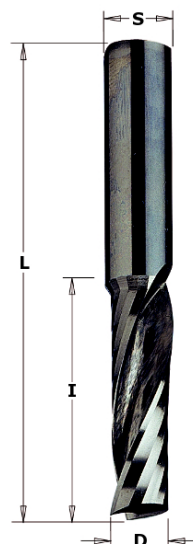
Solid carbide spiral cutters up cut

Z=1

Cod. DX/RH	D	I	L	S
217.031240.55	3	12	40	3
217.041540.55	4	15	40	4
217.051750.55	5	17	50	5
217.061750.55	6	17	50	6
217.062760.55	6	27	60	6
217.082263.55	8	22	63	8
217.083272.55	8	32	72	8
217.103272.55	10	32	72	10
217.104290.55	10	42	90	10
217.123273.55	12	32	73	12

Si eseguono anche frese elicoidali per lavorazione alluminio, plastica, PVC e plexiglass, anche con lappatura su interno gola.

On request we can also produce solid carbide spiral cutters for working aluminium, plastic, PVC and plexiglass, also with polished flutes.



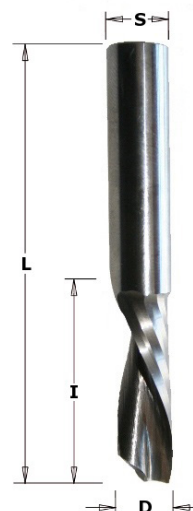
ART. 218

Frese elicoidali HM integrale Negative

Solid carbide spiral cutters down cut

Z=1

Cod. DX/RH	D	I	L	S
218.031240.55	3	12	40	3
218.041540.55	4	15	40	4
218.051750.55	5	17	50	5
218.061750.55	6	17	50	6
218.062760.55	6	27	60	6
218.082263.55	8	22	63	8
218.083272.55	8	32	72	8
218.103272.55	10	32	72	10
218.104290.55	10	42	90	10
218.123273.55	12	32	73	12



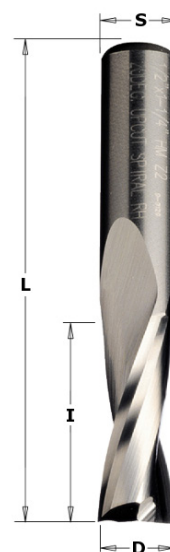
ART. 210

Frese elicoidali HM Integrale Positive

Solid carbide spiral cutters up cut for finishing

Z=2

Cod. DX/RH	D	I	L	S
210.031240.55	3	12	40	3
210.041540.55	4	15	40	4
210.051750.55	5	17	50	5
210.061750.55	6	17	50	6
210.062760.55	6	27	60	6
210.082263.55	8	22	63	8
210.083272.55	8	32	72	8
210.103272.55	10	32	72	10
210.104290.55	10	42	90	10
210.123273.55	12	32	73	12
210.124290.55	12	42	90	12
210.1252100.55	12	52	100	12
210.1442100.55	14	42	100	14
210.1452100.55	14	52	100	14
210.1642100.55	16	42	100	16
210.1652100.55	16	52	100	16
210.1662100.55	16	62	100	16
210.1852100.55	18	52	100	18
210.1875125.55	18	75	125	18
210.2052100.55	20	52	100	20
210.2075125.55	20	75	125	20



ART. 211

Frese elicoidali HM Integrale Negative

Solid carbide spiral cutters down cut for finishing

Z=2

Cod. DX/RH	D	I	L	S
211.031240.55	3	12	40	4
211.041540.55	4	15	40	5
211.051750.55	5	17	50	6
211.061750.55	6	17	50	6
211.062760.55	6	27	60	8
211.082263.55	8	22	63	8
211.083272.55	8	32	72	10
211.103272.55	10	32	72	10
211.104290.55	10	42	90	12
211.123273.55	12	32	73	12
211.124290.55	12	42	90	12
211.1252100.55	12	52	100	14
211.1442100.55	14	42	100	14
211.1452100.55	14	52	100	16
211.1642100.55	16	42	100	16
211.1652100.55	16	52	100	16
211.1662100.55	16	62	100	18
211.1852100.55	18	52	100	18
211.1875125.55	18	75	125	20
211.2052100.55	20	52	100	20
211.2075125.55	20	75	125	20



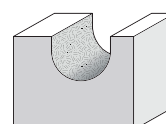
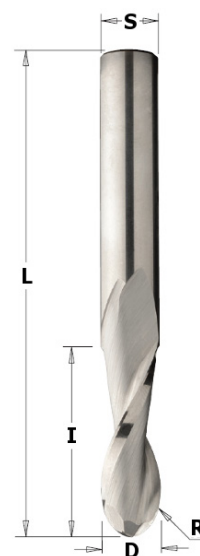
ART. 210/R

Frese elicoidali HM Integrale Positive con raggio in testa

Solid carbide spiral cutters up cut with radius in the bottom

Z=2

Cod. DX/RH	D	I	L	S	R
210/R.031240.55	3	12	40	3	1,5
210/R.041540.55	4	15	40	4	2
210/R.051750.55	5	17	50	5	2,5
210/R.061750.55	6	17	50	6	3
210/R.062760.55	6	27	60	6	3
210/R.082263.55	8	22	63	8	4
210/R.083272.55	8	32	72	8	4
210/R.103272.55	10	32	72	10	5
210/R.104290.55	10	42	90	10	5
210/R.123273.55	12	32	73	12	6
210/R.124290.55	12	42	90	12	6
210/R.1252100.55	12	52	100	12	6
210/R.1442100.55	14	42	100	14	7
210/R.1452100.55	14	52	100	14	7
210/R.1642100.55	16	42	100	16	8
210/R.1652100.55	16	52	100	16	8
210/R.1662100.55	16	62	100	16	8
210/R.1852100.55	18	52	100	18	9
210/R.1875125.55	18	75	125	18	9
210/R.2052100.55	20	52	100	20	10
210/R.2075125.55	20	75	125	20	10



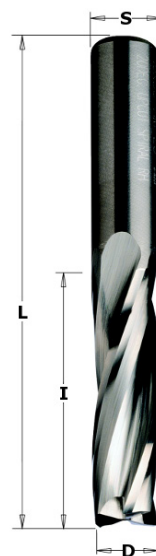
ART. 212

Frese elicoidali HM Integrale Positive

Solid carbide spiral cutters up cut for finishing

Z=3

Cod. DX/RH	D	I	L	S
212.082263.55	8	22	63	8
212.083272.55	8	32	72	8
212.103272.55	10	32	72	10
212.104290.55	10	42	90	10
212.123273.55	12	32	73	12
212.124290.55	12	42	90	12
212.1252100.55	12	52	100	12
212.1442100.55	14	42	100	14
212.1452100.55	14	52	100	14
212.1642100.55	16	42	100	16
212.1652100.55	16	52	100	16
212.1662100.55	16	62	100	16
212.1852100.55	18	52	100	18
212.1875125.55	18	75	125	18
212.2052100.55	20	52	100	20
212.2075125.55	20	75	125	20
212.20102150.55	20	102	150	20



ART. 213

Frese elicoidali HM Integrale Z.3 Negative

Solid carbide spiral cutters down cut for finishing

Z=3

Cod. DX/RH	D	I	L	S
213.082263.55	8	22	63	8
213.083272.55	8	32	72	8
213.103272.55	10	32	72	10
213.1042100.55	10	42	100	10
213.123273.55	12	32	73	12
213.1242100.55	12	42	100	12
213.1252100.55	12	52	100	12
213.1442100.55	14	42	100	14
213.1452100.55	14	52	100	14
213.1642100.55	16	42	100	16
213.1652100.55	16	52	100	16
213.1662100.55	16	62	100	16
213.1852100.55	18	52	100	18
213.1875125.55	18	75	125	18
213.2052100.55	20	52	100	20
213.2075125.55	20	75	125	20



ART. 214

Frese elicoidali HM Integrale Positive con rompitruciolo

Solid carbide spiral cutters up cut with chipbreaker for roughing

Z=3+R

Cod. DX/RH	D	I	L	S
214.082263.55	8	22	63	8
214.083272.55	8	32	72	10
214.103272.55	10	32	72	10
214.104290.55	10	42	90	12
214.123273.55	12	32	73	12
214.124290.55	12	42	90	12
214.1252100.55	12	52	100	14
214.1442100.55	14	42	100	14
214.1452100.55	14	52	100	16
214.1642100.55	16	42	100	16
214.1652100.55	16	52	100	16
214.1662100.55	16	62	100	18
214.1852100.55	18	52	100	18
214.1875125.55	18	75	125	20
214.2052100.55	20	52	100	20
214.2075125.55	20	75	125	20
214.20102150.55	20	102	150	20



ART. 215

Frese elicoidali HM Integrale Negative con rompitruciolo

Solid carbide spiral cutters down cut with chipbreaker for roughing

Z=3+R

Cod. DX/RH	D	I	L	S
215.082263.55	8	22	63	8
215.083272.55	8	32	72	8
215.103272.55	10	32	72	10
215.1042100.55	10	42	100	10
215.123273.55	12	32	73	12
215.1242100.55	12	42	100	12
215.1252100.55	12	52	100	12
215.1442100.55	14	42	100	14
215.1452100.55	14	52	100	14
215.1642100.55	16	42	100	16
215.1652100.55	16	52	100	16
215.1662100.55	16	62	100	16
215.1852100.55	18	52	100	18
215.1875125.55	18	75	125	18
215.2052100.55	20	52	100	20
215.2075125.55	20	75	125	20



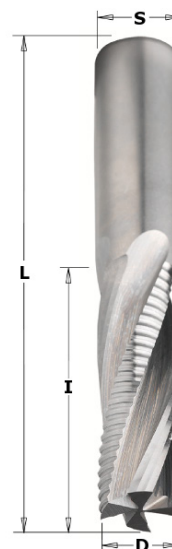
ART. 209

Frese elicoidali HM Integrale Positive con rompitruciolo

Solid carbide spiral cutters up cut with chipbreaker

Z=2+2R

Cod. DX/RH	D	I	L	S
209.123273.55	12	32	73	12
209.124290.55	12	42	90	12
209.1252100.55	12	52	100	12
209.1442100.55	14	42	100	14
209.1452100.55	14	52	100	14
209.1642100.55	16	42	100	16
209.1652100.55	16	52	100	16
209.1662100.55	16	62	100	16
209.1852100.55	18	52	100	18
209.1875125.55	18	75	125	18
209.2052100.55	20	52	100	20
209.2075125.55	20	75	125	20



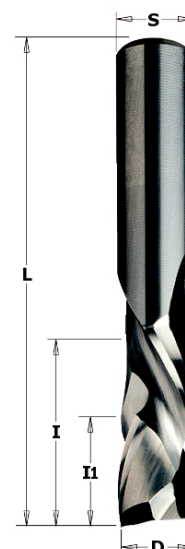
ART. 216

Frese elicoidali HM Integrale Positive / Negative

Solid carbide spiral cutters up&down cut for finishing

Z=2+2

Cod. DX/RH	D	I	L	S
216.083280.55	8	32	80	8
216.103280.55	10	32	80	10
216.124290.55	12	42	90	12
216.1655110.55	16	55	110	16
216.1855110.55	18	55	110	18



ART. 214/H

Frese elicoidali HSS Positive con rompitruciolo per travi lamellari

Hss spiral cutters up cut with chipbreaker for glue-laminated wooden beams

Z=3+R

Cod. DX/RH	D	I	L	S
214/H.30170235.45	30	170	235	30
214/H.40165235.45	40	165	235	30
214/H.50215295.45	50	215	295	30



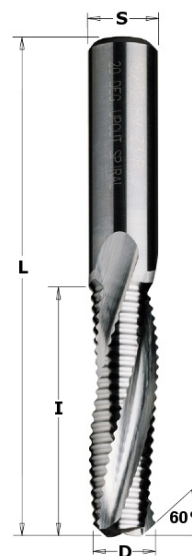
ART. 214/SM

Frese elicoidali HM Integrale Positive con rompitruciolo con smusso 60° per serrature

Solid carbide spiral cutters upcut with chipbreaker 60° v-point locksets

Z=3+R

Cod. DX/RH	D	I	L	S
214/SM.082263.55	8	22	63	8
214/SM.083272.55	8	32	72	8
214/SM.103272.55	10	32	72	10
214/SM.104290.55	10	42	90	10
214/SM.123273.55	12	32	73	12
214/SM.124290.55	12	42	90	12
214/SM.1252100.55	12	52	100	12
214/SM.1442100.55	14	42	100	14
214/SM.1452100.55	14	52	100	14
214/SM.1642100.55	16	42	100	16
214/SM.1652100.55	16	52	100	16
214/SM.1662100.55	16	62	100	16
214/SM.1852100.55	18	52	100	18
214/SM.1875125.55	18	75	125	18
214/SM.2052100.55	20	52	100	20
214/SM.2075125.55	20	75	125	20



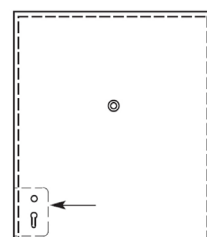
ART. 219

Frese elicoidali HM Integrale Positive con rompitruciolo per serrature

Solid carbide spiral cutters upcut with chipbreaker for locksets

Z=3+R

Cod. DX/RH	D	I	I1	L	S
219.1495150.55	14	95	50	150	14
219.1695150.55	16	95	50	150	16
219.1895150.55	18	95	50	150	18
219.2095150.55	20	95	50	150	20



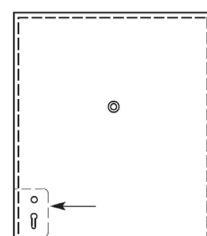
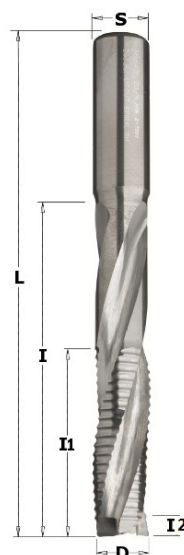
ART. 219/B

Frese elicoidali HM Integrale Positive con rompitruciolo per serrature con ultimi 5 mm lisci per miglior finitura

Solid carbide spiral cutters upcut with chipbreaker for locksets with last 5 mm smooth for better finishing

Z=3+R

Cod. DX/RH	D	I	I1	I2	L	S
219/B.1495150.55	14	90+5	50	5	150	14
219/B.1695150.55	16	90+5	50	5	150	16
219/B.1895150.55	18	90+5	50	5	150	18
219/B.2095150.55	20	90+5	50	5	150	20



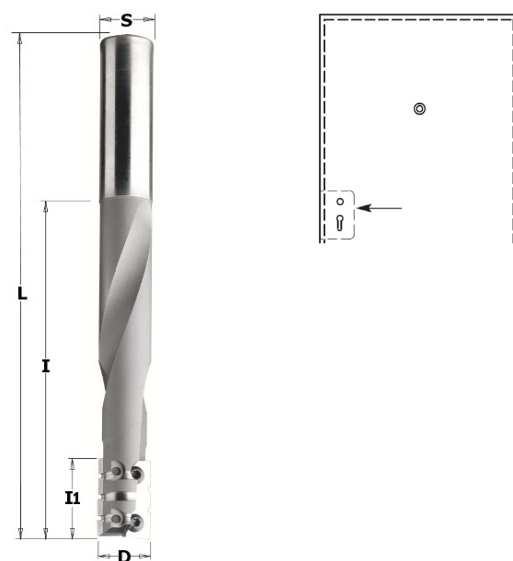
ART. 219/T

Frese elicoidali in TRIAMET con coltellini per serrature

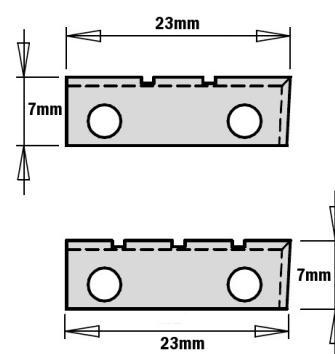
Spiral cutters with triamet body with exchangeable knives for locksets

Z=2+R

Cod. DX/RH	D	I	I1	L	S
219/T.1695150.55	16	95	23	150	16



RICAMBI / SPARE PARTS		
Cod.	Descrizione	DIM
609.230.2R	Coltello con 2 rompitrucioli	23x7x1,5
609.230.3R	Coltello con 3 rompitrucioli	23x7x1,5



ART. 819 [3 divisions] - H=3 mm

Frese per pantografo per scasso serratura

Diamond router cutter for lockset

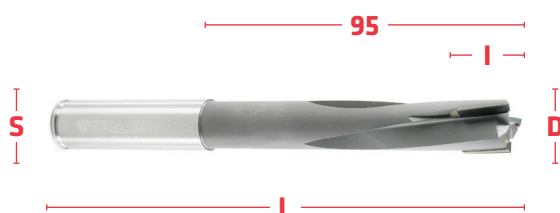
CORPO HM - HM BODY



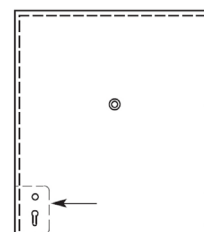
Frese per pantografo elicoidali in diamante ideali per scasso serratura su materiali rivestiti.
 - Capacità di 2/3 affilature



Diamond polycrystalline router bits for lockset suitable for work on coated materials.
 - They can have 2/3 sharpening operations.



Cod. RH	D	I	S	L	Z
819.1415150.75	14	15	14x50	150	3
819.1615150.75	16	15	16x50	150	3



A disegno o a campione legno vengono eseguite anche frese sagomate

