



# TUNIT®

Cobalt/Chrome  
Titanium Cobalt/Chrome  
PMMA/PEEK/Cera  
Zirconium Oxido



# TUNIT®



La TUNIT presenta il programma di utensili a fresare per la produzione di protesi dentali: la linea DENTAL-MILL.

Una gamma di frese con specifico rivestimento per la lavorazione dei materiali del settore dentale: CrCo, Ti/CrCo, Oxo di Zirconio, PMMA/PECK/CERA.

Sono stati testati particolari tipologie di HM che, sinergicamente a nano rivestimenti, hanno dato un notevole valore aggiunto alla vita dell'utensile.

Con un programma completo, la TUNIT, copre tutte le esigenze della fresatura dei materiali del dentale e, a richiesta, utensili speciali.

La TUNIT offre con una équipe di esperti un ottimo servizio tecnico in grado di soddisfare tutte le esigenze dei nostri clienti.



TUNIT presents its new programme of milling cutters for the production of dental prostheses: the DENTAL MILL solution.

These tools were developed using specific substrates, suitable geometries and coatings for all current materials machined in dental lab such as CrCo, Ti/CrCo, zirconium oxide, PMMA /PEEK and wax.

In-house tests on different kinds of hard materials, linked to specific nano coatings, granted officially higher performances and longer tool life.

In addition to this standard programme, TUNIT offers a wide range of customized tools, specific to customer machining operations on current materials.

TUNIT is your business partner and offers a team of application engineering specialists to support customers worldwide.

passion for tools

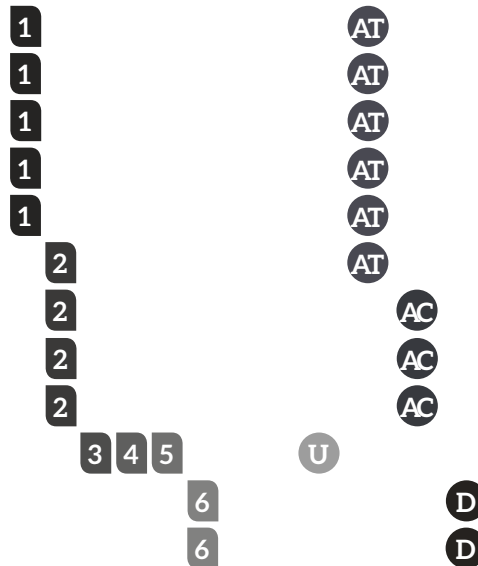
# Indice | Index

## Frese | End mills






DTM H.2-CC	pag. 4
DTM H.2C-CC	pag. 5
DTM H.2R-CC	pag. 6
DTM H.4C-CC	pag. 7
DTM H.4R-CC	pag. 8
DTM H.2-TCC	pag. 9
DTM H.2R3-TCC	pag. 10
DTM H.2R6-TCC	pag. 11
DTM H.4C-TCC	pag. 12
DTM H.2R-PPC	pag. 13
DTM H.2R3-Z	pag. 14
DTM H.2R6-Z	pag. 15

## Materiale | Material

## Rivestimenti | Coating







## Legenda | Symbols

-  Direzione di taglio  
Cutting direction
-  Lucidatura  
Lapped
-  TUNIT  
NORM Norme interne  
Company standard
-  Raggio d'angolo  
Corner radius
-  Rinforzo taglienti  
Reinforced cutting edges

## Rivestimenti | Coatings

-  uncoated
-  AlTiSiN
-  AluCroN
-  Diamond

## Materiale Material

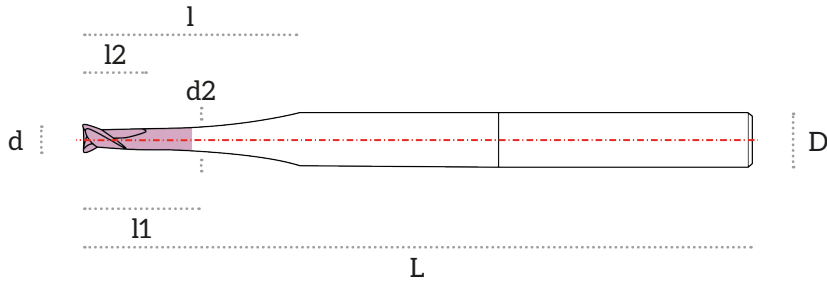
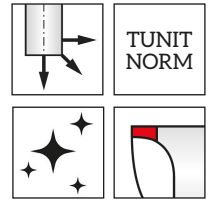
- |   |   |   |                                       |
|---|---|---|---------------------------------------|
|  | Cobalto-Cromo<br>Cobalt-Chrome                  |  | PEEK<br>PEEK                          |
|  | Cobalto-Cromo Titanio<br>Titanium Cobalt-Chrome |  | Cera<br>Wax                           |
|  | PMMA<br>PMMA                                    |  | Ossido di Zirconio<br>Zirconium Oxido |



AlTiSiN

# DTM H.2-CC

Fresa elicoidale in metallo duro per finitura 2 taglienti  
*Solid carbide 2 flutes twist end mill for finishing*



d		D h6	d2	L	l	l1	l2	AlTiSiN
0.50	-0.025	3	0,40	43	7.80	2.50	0.50	DTM H.2-CC-0050.03
0.50	-0.025	6	0,40	57	13.00	2.50	0.50	DTM H.2-CC-0050.06
1.00	-0.040	3	0,80	50	9.70	5.00	1.00	DTM H.2-CC-0100.03
1.00	-0.040	6	0,80	57	15.00	5.00	1.00	DTM H.2-CC-0100.06
1.50	-0.040	3	1,20	50	11.80	7.50	1.50	DTM H.2-CC-0150.03
1.50	-0.040	6	1,20	57	17.00	7.50	1.50	DTM H.2-CC-0150.06
2.00	-0.040	6	1,60	57	19.70	10.00	2.00	DTM H.2-CC-0200.06

Su richiesta  
 On request

Rivestimenti | esecuzione speciale | diametri intermedi  
 Coating | out of range | other sizes

Applicazioni  
 Application groups

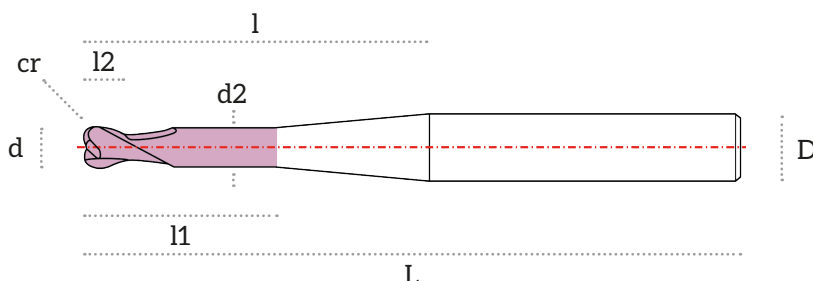
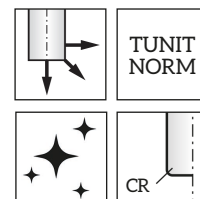
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AlTiSiN

# DTM H.2C-CC

Fresa torica in metallo duro per sgrossatura e pre-finitura 2 taglienti  
*Solid carbide 2 flutes torodial end mill for roughing, pre-finishing*



d	D h6	d2	cr	L	l	l1	l2	AlTiSiN
1.00	6	0,95	0,25	57	20.00	4.00	2.00	DTM H.2C-CC-0100.025.04
1.50	6	1,40	0,10	57	20.00	10.00	2.50	DTM H.2C-CC-0150.010.10
1.50	6	1,40	0,10	57	20.00	16.00	2.50	DTM H.2C-CC-0150.010.16
1.50	6	1,40	0,30	57	20.00	8.00	2.50	DTM H.2C-CC-0150.030.08
2.00	6	1,80	0,20	57	20.00	16.00	3.00	DTM H.2C-CC-0200.020.16
2.00	6	1,80	0,50	57	20.00	8.00	3.00	DTM H.2C-CC-0200.050.08
3.00	6	2,80	0,50	57	20.00	10.00	3.50	DTM H.2C-CC-0300.050.10
3.00	6	2,80	0,50	57	20.00	16.00	3.50	DTM H.2C-CC-0300.050.16
4.00	6	3,80	0,50	57	20.00	12.00	4.00	DTM H.2C-CC-0400.050.12

Su richiesta  
 On request

Rivestimenti | esecuzione speciale | diametri intermedi  
 Coating | out of range | other sizes

Applicazioni  
 Application groups

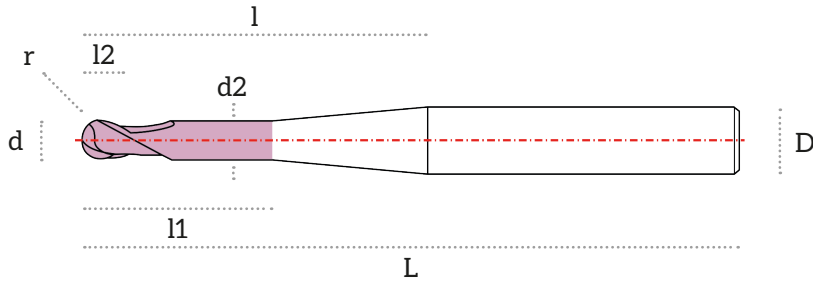
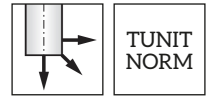
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AlTiSiN

# DTM H.2R-CC

Fresa sferica in metallo duro per sgrossatura e pre-finitura 2 taglienti  
*Solid carbide 2 flutes ball nose end mill for roughing, pre-finishing*



d	D h6	d2	r	L	l	l1	l2	AlTiSiN
0.60	6	0,55	0,30	57	20.00	3.00	1.00	DTM H.2R-CC-0060
1.00	6	0,95	0,50	57	20.00	4.00	2.00	DTM H.2R-CC-0100
1.50	6	1,40	0,75	57	20.00	7.50	2.50	DTM H.2R-CC-0150
2.00	6	1,80	1,00	57	20.00	8.00	3.00	DTM H.2R-CC-0200
2.50	6	2,30	1,25	57	20.00	10.00	3.25	DTM H.2R-CC-0250
3.00	6	2,80	1,50	57	20.00	10.00	3.50	DTM H.2R-CC-0300
4.00	6	3,80	2,00	57	20.00	12.00	4.00	DTM H.2R-CC-0400

Su richiesta  
 On request

Rivestimenti | esecuzione speciale | diametri intermedi  
 Coating | out of range | other sizes

Applicazioni  
 Application groups

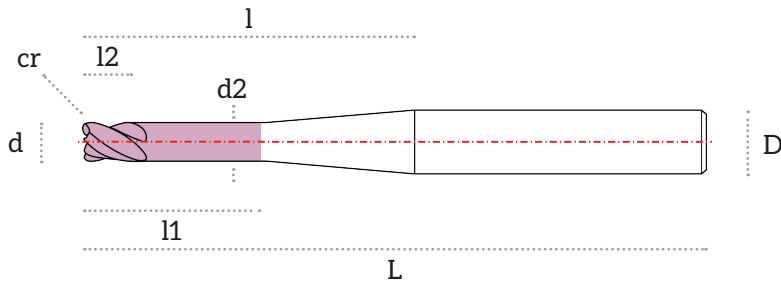
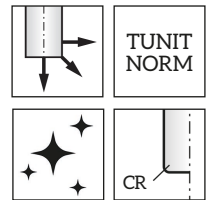
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AlTiSiN

# DTM H.4C-CC

Fresa torica in metallo duro per sgrossatura e pre-finitura 4 taglienti  
*Solid carbide 4 flutes torodial end mill for roughing, pre-finishing*



d	D h6	d2	cr	L	l	l1	l2	AlTiSiN
3.00	6	0,95	0,25	57	20.00	4.00	2.00	DTM H.4C-CC-0300.050
4.00	6	1,40	0,10	57	20.00	10.00	2.50	DTM H.4C-CC-0400.050

Su richiesta  
 On request

Rivestimenti | esecuzione speciale | diametri intermedi  
 Coating | out of range | other sizes

Applicazioni  
 Application groups

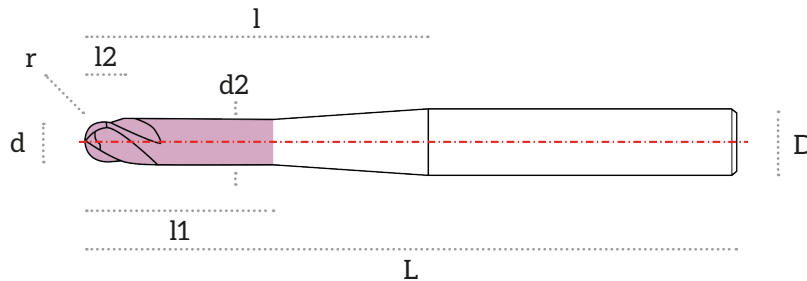
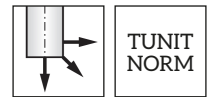
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AlTiSiN

# DTM H.4R-CC

Fresa sferica in metallo duro per sgrossatura e pre-finitura 4 taglienti  
*Solid carbide 4 flutes ball nose end mill for roughing, pre-finishing*



d	D h6	d2	r	L	l	l1	l2	AlTiSiN
1.50	6	1,40	0,75	57	20.00	8.00	2.50	DTM H.4R-CC-0150.08
2.00	6	1,80	1,00	57	20.00	8.00	3.00	DTM H.4R-CC-0200.08
2.50	6	2,30	1,25	57	20.00	10.00	3.25	DTM H.4R-CC-0250.10
3.00	6	2,80	1,50	57	20.00	10.00	3.50	DTM H.4R-CC-0300.10
3.00	6	2,80	1,50	57	20.00	14.00	3.50	DTM H.4R-CC-0300.14
3.00	6	2,80	1,50	57	20.00	18.00	3.50	DTM H.4R-CC-0300.18
4.00	6	3,80	2,00	57	20.00	12.00	4.00	DTM H.4R-CC-0400.12
4.00	6	3,80	2,00	57	20.00	16.00	4.00	DTM H.4R-CC-0400.16

Su richiesta  
 On request

Rivestimenti | esecuzione speciale | diametri intermedi  
 Coating | out of range | other sizes

Applicazioni  
 Application groups

1

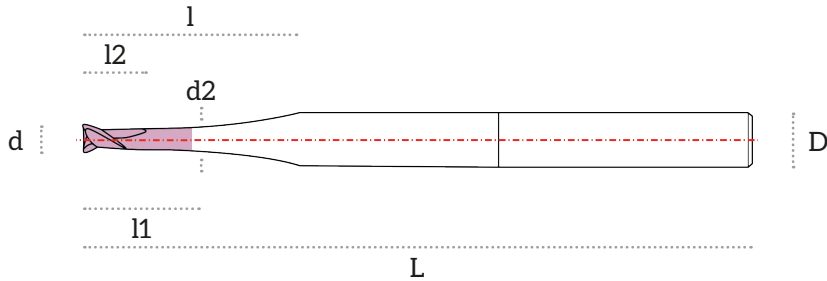
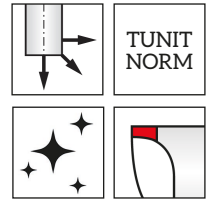




AlTiSiN

# DTM H.2-TCC

Fresa elicoidale in metallo duro per finitura 2 taglienti  
*Solid carbide 2 flutes twist end mill for finishing*



d	D h6	d2	L	l	l1	l2	AlTiSiN
0.50	3	0,40	43	7.00	2.50	0.50	DTM H.2-TCC-0050.03.07
0.50	6	0,40	57	13.00	2.50	0.50	DTM H.2-TCC-0050.06.13
0.50	6	0,40	57	20.00	5.00	0.50	DTM H.2-TCC-0050.06.20
1.00	3	0,80	50	9.00	5.00	1.00	DTM H.2-TCC-0100.03.09
1.00	6	0,80	57	15.00	5.00	1.00	DTM H.2-TCC-0100.06.15
1.00	6	0,80	57	29.00	10.00	1.00	DTM H.2-TCC-0100.06.29
1.50	2	1,20	50	11.00	7.50	1.50	DTM H.2-TCC-0150.03.11
1.50	6	1,20	57	17.00	7.50	1.50	DTM H.2-TCC-0150.06.17
1.50	6	1,20	57	36.00	15.00	1.50	DTM H.2-TCC-0150.06.36
2.00	6	1,60	57	19.00	10.00	2.00	DTM H.2-TCC-0200.06.19
2.00	6	1,60	57	29.00	20.00	2.00	DTM H.2-TCC-0200.06.29

Su richiesta  
 On request

Rivestimenti | esecuzione speciale | diametri intermedi  
 Coating | out of range | other sizes

Applicazioni  
 Application groups

2



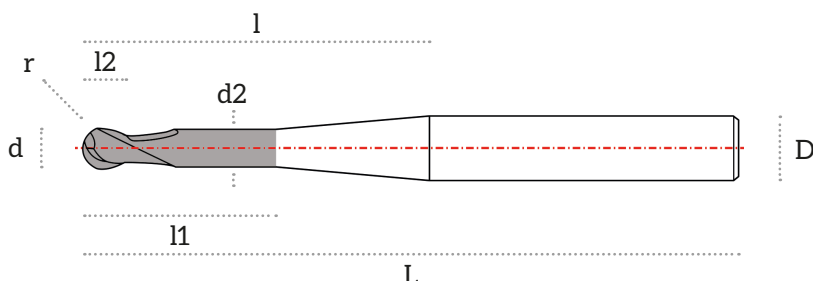
AluCroN

# DTM H.2R3-TCC

Fresa sferica in metallo duro per sgrossatura e pre-finitura 2 taglienti  
 Solid carbide 2 flutes ball nose end mill for roughing, pre-finishing



TUNIT  
NORM



d	D h6	d2	r	L	l	l1	l2	AluCroN
1.00	3	0,85	0,50	47	19,00	8,00	0,90	DTM H.2R3-TCC-0100.08
1.00	3	0,85	0,50	47	19,00	10,00	0,90	DTM H.2R3-TCC-0100.10
1.00	3	0,85	0,50	47	19,00	12,00	0,90	DTM H.2R3-TCC-0100.12
1.50	3	1,30	0,75	47	19,00	8,00	1,30	DTM H.2R3-TCC-0150.08
1.50	3	1,30	0,75	47	19,00	10,00	1,30	DTM H.2R3-TCC-0150.10
1.50	3	1,30	0,75	47	19,00	12,00	1,30	DTM H.2R3-TCC-0150.12
2.00	3	1,70	1,00	47	19,00	12,00	1,70	DTM H.2R3-TCC-0200.12

Su richiesta  
On request

Rivestimenti | esecuzione speciale | diametri intermedi  
 Coating | out of range | other sizes

Applicazioni  
Application groups

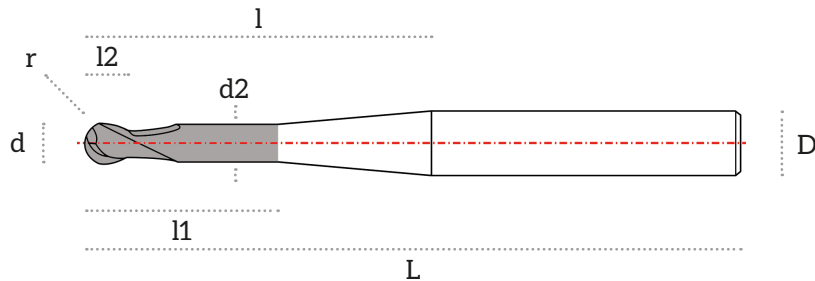
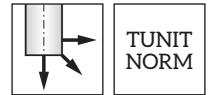
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AluCroN

# DTM H.2R6-TCC

Fresa sferica in metallo duro per sgrossatura e pre-finitura 2 taglienti  
*Solid carbide 2 flutes ball nose end mill for roughing, pre-finishing*



d	D h6	d2	r	L	l	l1	l2	AluCroN
1.00	6	0,85	0,50	57	21.00	8.00	0.90	DTM H.2R6-TCC-0100.08
1.00	6	0,85	0,50	57	21.00	10.00	0.90	DTM H.2R6-TCC-0100.10
1.00	6	0,85	0,50	57	21.00	12.00	0.90	DTM H.2R6-TCC-0100.12
1.50	6	1,30	0,75	57	21.00	8.00	1.30	DTM H.2R6-TCC-0150.08
1.50	6	1,30	0,75	57	21.00	10.00	1.30	DTM H.2R6-TCC-0150.10
1.50	6	1,30	0,75	57	21.00	12.00	1.30	DTM H.2R6-TCC-0150.12
2.00	6	1,70	1,00	57	21.00	12.00	1.70	DTM H.2R6-TCC-0200.12
2.00	6	1,70	1,00	57	21.00	16.00	1.70	DTM H.2R6-TCC-0200.16
2.50	6	2,20	1,25	57	21.00	12.00	2.10	DTM H.2R6-TCC-0250.12
2.50	6	2,20	1,25	57	21.00	18.00	2.10	DTM H.2R6-TCC-0250.18
3.00	6	2,60	1,50	57	21.00	14.00	2.60	DTM H.2R6-TCC-0300.14
3.00	6	2,60	1,50	57	24.00	20.00	2.60	DTM H.2R6-TCC-0300.20

Su richiesta  
*On request*

Rivestimenti | esecuzione speciale | diametri intermedi  
*Coating | out of range | other sizes*

Applicazioni  
*Application groups*

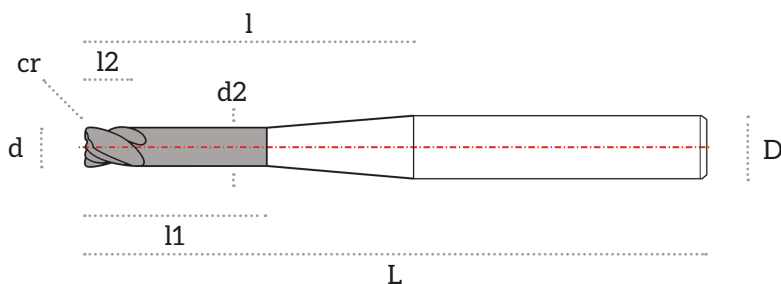
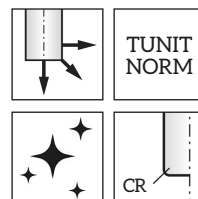
2



AluCroN

# DTM H.4C-TCC

Fresa torica in metallo duro per sgrossatura 4 taglienti  
*Solid carbide 4 flutes torodial end mill for roughing*



d	D h6	d2	cr	L	l	l1	l2	AluCroN
3.00	6	2,80	0,50	57	20.00	10.00	3.50	DTM H.4C-TCC-0300.050
4.00	6	3,80	0,50	57	20.00	12.00	4.00	DTM H.4C-TCC-0400.050

Su richiesta  
*On request*

Rivestimenti | esecuzione speciale | diametri intermedi  
*Coating | out of range | other sizes*

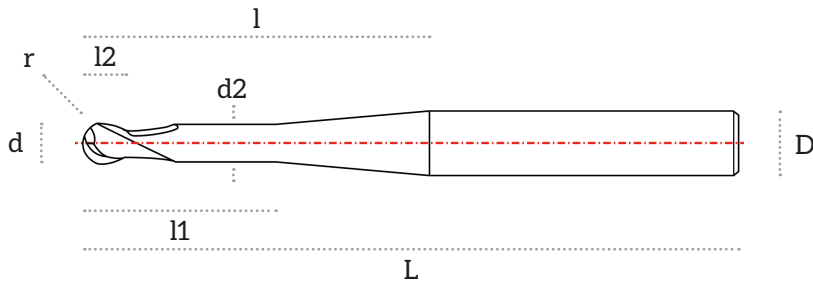
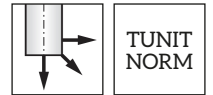
Applicazioni  
*Application groups*



uncoated

# DTM H.2R-PPC

Fresa sferica in metallo duro per sgrossatura e pre-finitura 2 taglienti  
*Solid carbide 2 flutes ball nose end mill for roughing, pre-finishing*



d	D h6	d2	r	L	l	l1	l2	uncoated
1.00	3	0,85	0,50	38	13.00	10.00	0.90	DTM H.2R-PPC-0100
2.00	3	1,70	1,00	38	16.00	12.00	1.70	DTM H.2R-PPC-0200
3.00	3	2,60	1,50	38	19.00	16.00	2.60	DTM H.2R-PPC-0300

Su richiesta  
*On request*

Rivestimenti | esecuzione speciale | diametri intermedi  
*Coating | out of range | other sizes*

Applicazioni  
*Application groups*

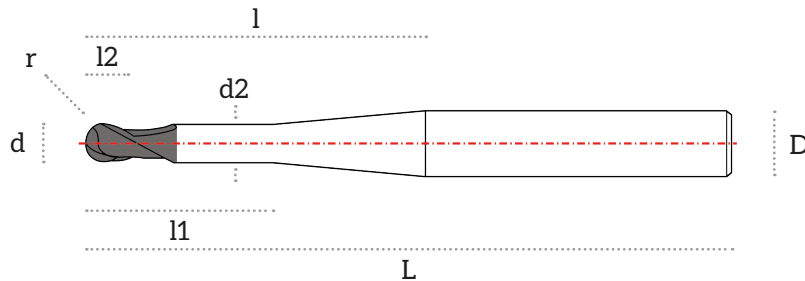
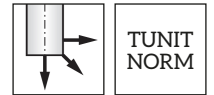




Diamond

# DTM H.2R3-Z

Fresa sferica in metallo duro per sgrossatura e finitura 2 taglienti  
*Solid carbide 2 flutes ball nose end mill for roughing and finishing*



d	D h6	d2	r	L	l	l1	l2	Diamond
1.00	3	0,95	0,50	47	16.00	10.00	0.90	DTM H.2R3-Z-0100.16
1.00	3	0,95	0,50	47	20.00	22.00	0.90	DTM H.2R3-Z-0100.20
2.00	3	1,80	1,00	47	20.00	22.00	1.70	DTM H.2R3-Z-0200.20
2.00	3	1,80	1,00	47	26.00	28.00	1.70	DTM H.2R3-Z-0200.26
2.50	3	2,30	1,25	47	20.00	22.00	2.10	DTM H.2R3-Z-0250.20
2.50	3	2,30	1,25	47	26.00	28.00	2.10	DTM H.2R3-Z-0250.26

Su richiesta  
*On request*

Su richiesta  
*On request*

Rivestimenti | esecuzione speciale | diametri intermedi  
*Coating | out of range | other sizes*

Applicazioni  
*Application groups*

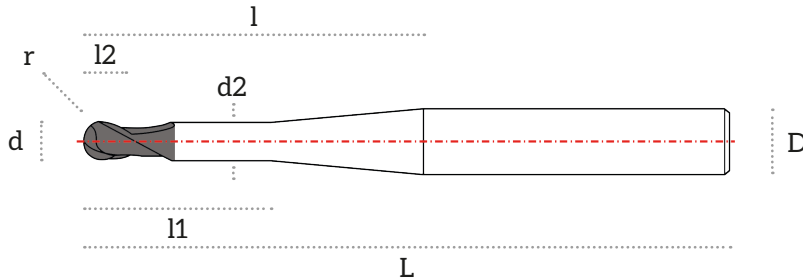
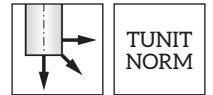
6



Diamond

# DTM H.2R6-Z

Fresa sferica in metallo duro per sgrossatura e finitura 2 taglienti  
*Solid carbide 2 flutes ball nose end mill for roughing and finishing*



d	D h6	d2	r	L	l	l1	l2	Diamond
1.00	6	0,95	0,50	57	21.00	12.00	0.90	DTM H.2R6-Z-0100.12
1.00	6	0,95	0,50	57	21.00	16.00	0.90	DTM H.2R6-Z-0100.16
1.00	6	0,95	0,50	57	21.00	18.00	0.90	DTM H.2R6-Z-0100.18
2.00	6	1,80	1,00	57	21.00	16.00	1.70	DTM H.2R6-Z-0200.16
2.00	6	1,80	1,00	57	24.00	20.00	1.70	DTM H.2R6-Z-0200.20
2.00	6	1,80	1,00	57	27.00	24.00	1.70	DTM H.2R6-Z-0200.24
2.50	6	2,30	1,25	57	24.00	20.00	2.10	DTM H.2R6-Z-0250.20
2.50	6	2,30	1,25	57	27.00	24.00	2.10	DTM H.2R6-Z-0250.24
3.00	6	2,80	1,50	57	24.00	20.00	2.60	DTM H.2R6-Z-0300.20
3.00	6	2,80	1,50	57	27.00	24.00	2.60	DTM H.2R6-Z-0300.24

Su richiesta  
*On request*

Su richiesta  
*On request*

Rivestimenti | esecuzione speciale | diametri intermedi  
*Coating | out of range | other sizes*

Applicazioni  
*Application groups*

6



UNI EN ISO 14001  
UNI EN ISO 9001

# **SCHNEGG TOOLS AG**

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