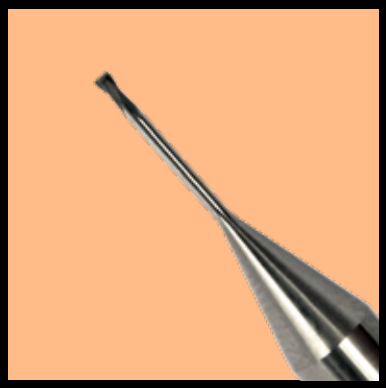









Lavorazioni Grafite

Graphite Machining

ultra performance UP®

Utensili per stampisti

Tools for moldmaker

IL SISTEMA IVC (Inner Vortex Cooler)

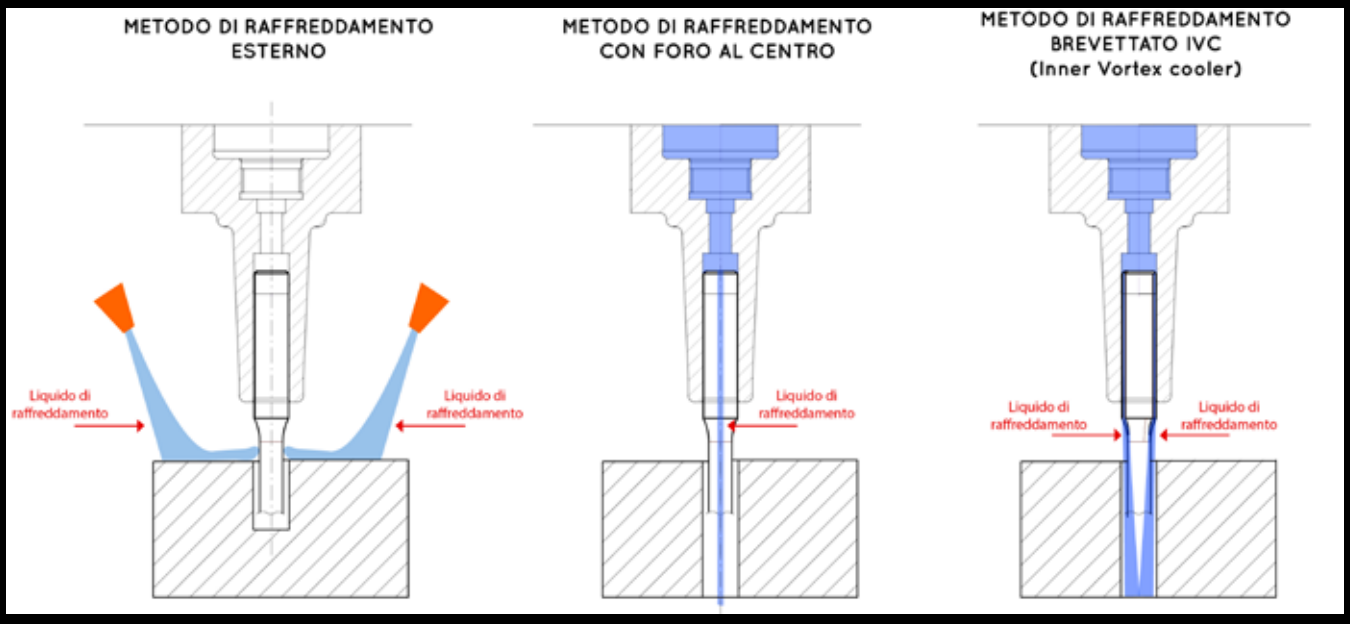
Brevettato da 3D Studio Engineering Srl

IVC (Inner Vortex Cooler) è un sistema sviluppato per migliorare in maniera considerevole l'**evacuazione del truciolo** e per mantenere la costante **refrigerazione** della zona di lavoro, evitando le situazioni di shock termico sul pezzo e sull'utensile stesso, preservandone l'integrità.

Il sistema IVC è applicabile nelle **lavorazioni meccaniche di foratura, filettatura e fresatura**, senza la necessità di dover aumentare l'ingombro dell'utensile e, nella maggior parte dei casi, senza la necessità di dover sostituire il portautensile.

Di seguito sono elencate le peculiarità del sistema di evacuazione IVC:

- Eliminazione dei classici tubi snodati
- Ingombri invariati
- Il tagliente dell'utensile e la zona di lavoro sono condizionate termicamente in maniera costante, evitando quindi shock termici
- Nel caso di refrigerazione con aria compressa si riduce considerevolmente il costo relativo alla produzione, andando a diminuire notevolmente il valore di aria compressa
- Miglioramento nella fase di evacuazione truciolo: grazie alla spinta del refrigerante direttamente sul tagliente, viene azzerata la possibilità di accumuli di materiale



Rappresentazione grafica dei metodi di raffreddamento tradizionali a confronto con il sistema IVC.

FRESE CILINDRICHE
Cylindrical end mills



con testa sferica
ball nose end mill

Ø	Pagina
8	4
6	5
5	6
4	7
3	8
2	11

con testa torica
radius end mill

Ø	Pagina
8	4
6	5
5	6
4	7
3	8
2	11



FRESE RINFORZATE - Rastremate cilindriche
Reinforced end mills - cylindrical tapered



con testa sferica
ball nose end mill

Ø	Pagina
3	9
2	12
1,5	14
1	16
0,8	18
0,6	20
0,5	22
0,4	24
0,3	26
0,2	28
0,1	29

con testa torica
radius end mill

Ø	Pagina
3	9
2	12
1,5	14
1	16
0,8	18
0,6	20
0,5	22
0,4	24
0,3	26



FRESE RINFORZATE - Rastremate coniche
Reinforced end mills - tapered neck



con testa sferica
ball nose end mill

Ø	Pagina
3	10
2	13
1,5	15
1	17
0,8	19
0,6	21
0,5	23
0,4	25
0,3	27
0,2	28
0,1	29

con testa torica
radius end mill

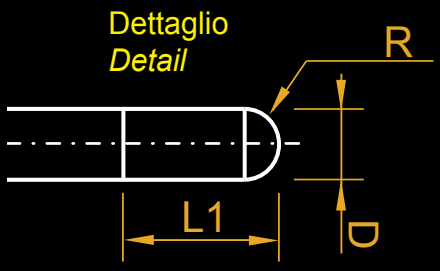
Ø	Pagina
3	10
2	13
1,5	15
1	17
0,8	19
0,6	21
0,5	23
0,4	25
0,3	27

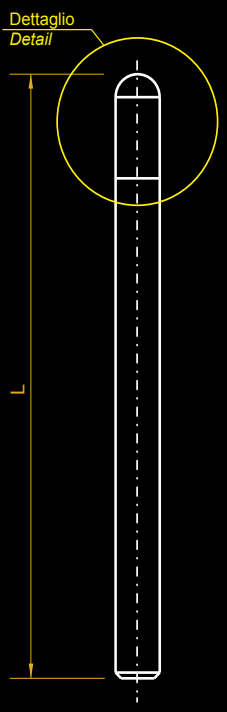


Frese testa sferica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	084016002	8	4	160	14	2
TG0F	SG0F	084010502	8	4	105	14	2
TG0F	SG0F	084007802	8	4	78	14	2

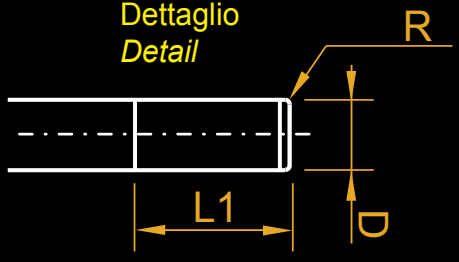


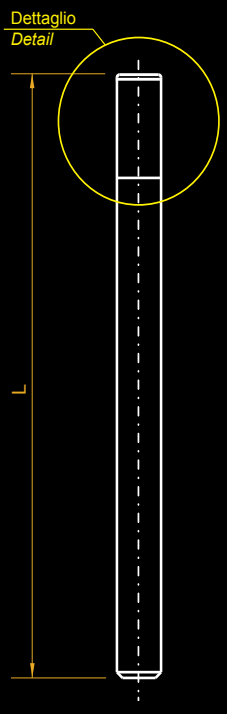


Frese testa torica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	081016003	8	1	160	14	3
TG0F	SG0F	081010503	8	1	105	14	3
TG0F	SG0F	081007803	8	1	78	14	3
TG0F	SG0F	080516003	8	0,5	160	14	3
TG0F	SG0F	080510503	8	0,5	105	14	3
TG0F	SG0F	080507803	8	0,5	78	14	3



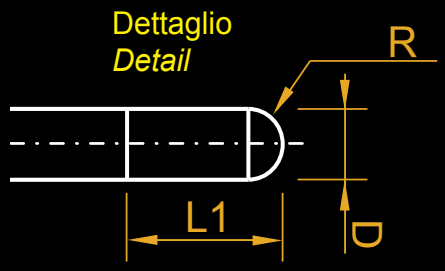


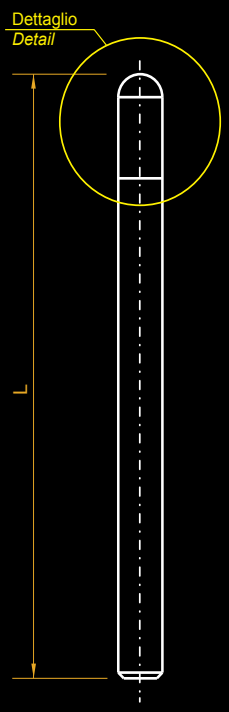
* Possibilità di scaricare le frese a richiesta (Consegna 2 giorni lavorativi, quantitativo minimo 5 pezzi)
** Possibility of rectifying the cutters on request (Delivery 2 working days, minimum quantity of 5 items)*

Frese testa sferica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	063016002	6	3	160	10	2
TG0F	SG0F	063010502	6	3	105	10	2
TG0F	SG0F	063007802	6	3	78	10	2

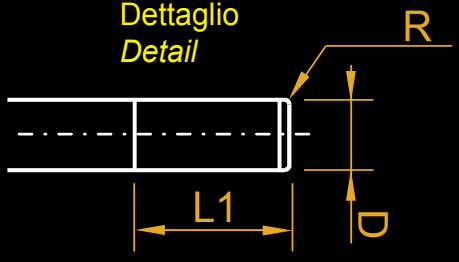


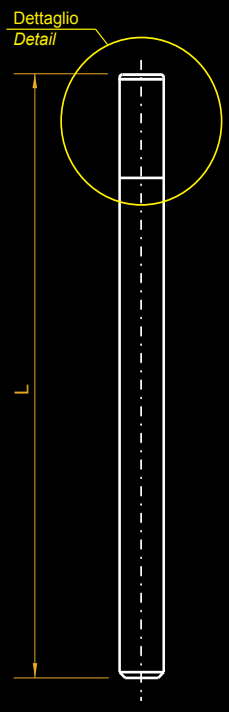


Frese testa torica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	060516003	6	0,5	160	10	3
TG0F	SG0F	060510503	6	0,5	105	10	3
TG0F	SG0F	060507803	6	0,5	78	10	3
TG0F	SG0F	060316003	6	0,3	160	10	3
TG0F	SG0F	060310503	6	0,3	105	10	3
TG0F	SG0F	060307803	6	0,3	78	10	3



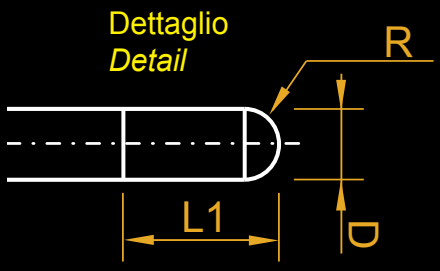


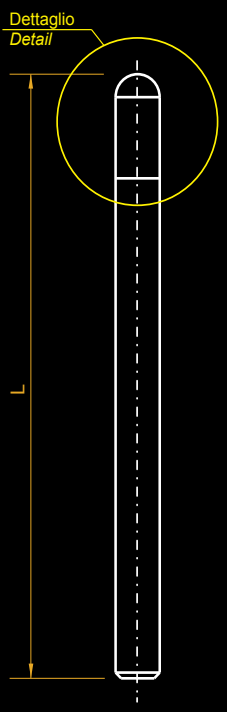
* Possibilità di scaricare le frese a richiesta (Consegna 2 giorni lavorativi, quantitativo minimo 5 pezzi)
** Possibility of rectifying the cutters on request (Delivery 2 working days, minimum quantity of 5 items)*

Frese testa sferica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	052516002	5	2,5	160	8	2
TG0F	SG0F	052510502	5	2,5	105	8	2
TG0F	SG0F	052507802	5	2,5	78	8	2

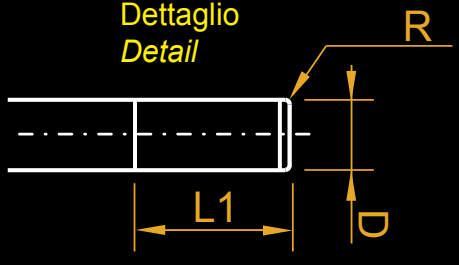


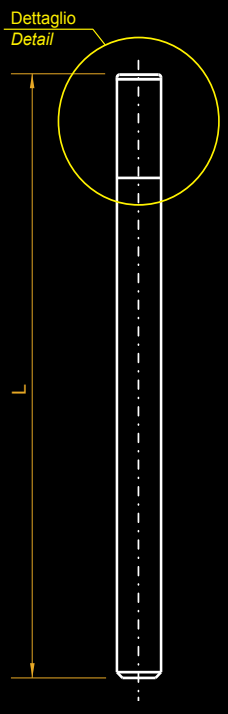


Frese testa torica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	050516002	5	0,5	160	8	2
TG0F	SG0F	050510502	5	0,5	105	8	2
TG0F	SG0F	050507802	5	0,5	78	8	2



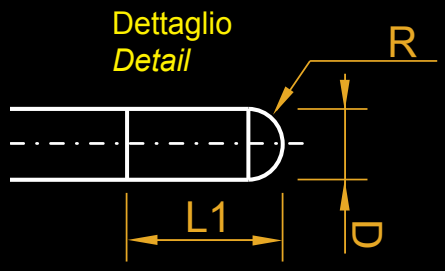


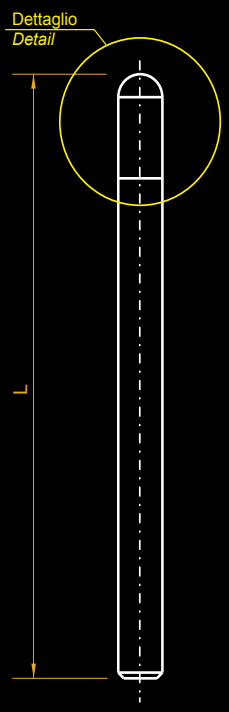
* Possibilità di scaricare le frese a richiesta (Consegna 2 giorni lavorativi, quantitativo minimo 5 pezzi)
* *Possibility of rectifying the cutters on request (Delivery 2 working days, minimum quantity of 5 items)*

Frese testa sferica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	042010502	4	2	105	6	2
TG0F	SG0F	042007802	4	2	78	6	2

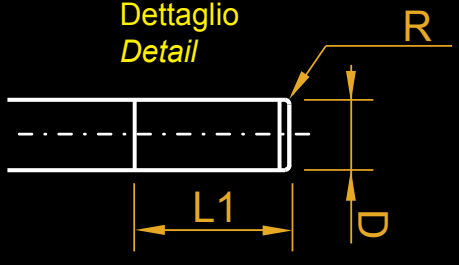


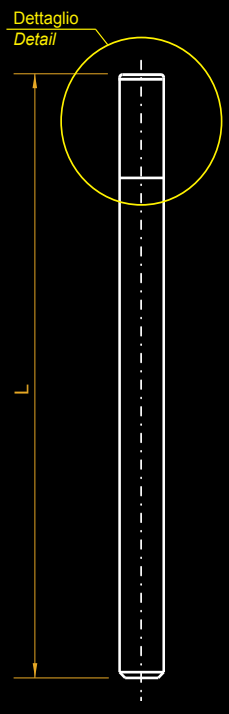


Frese testa torica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	040510502	4	0,5	105	6	2
TG0F	SG0F	040507802	4	0,5	78	6	2
TG0F	SG0F	040210502	4	0,2	105	6	2
TG0F	SG0F	040207802	4	0,2	78	6	2



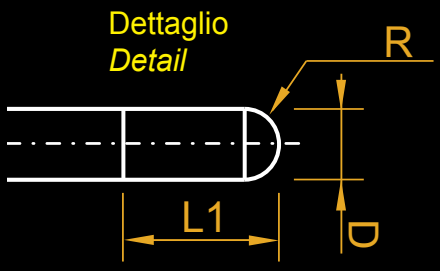


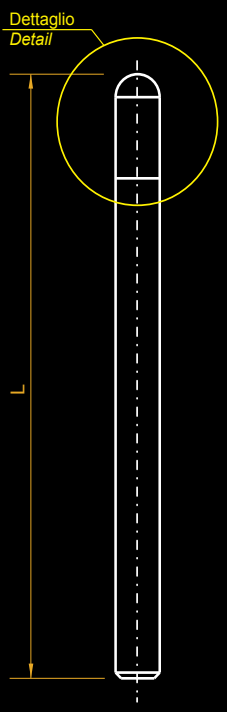
*** Possibilità di scaricare le frese a richiesta (Consegna 2 giorni lavorativi, quantitativo minimo 5 pezzi)**
** Possibility of rectifying the cutters on request (Delivery 2 working days, minimum quantity of 5 items)*

Frese testa sferica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	031510502	3	1,5	105	5	2
TG0F	SG0F	031507802	3	1,5	78	5	2

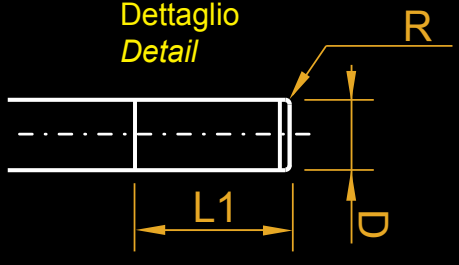


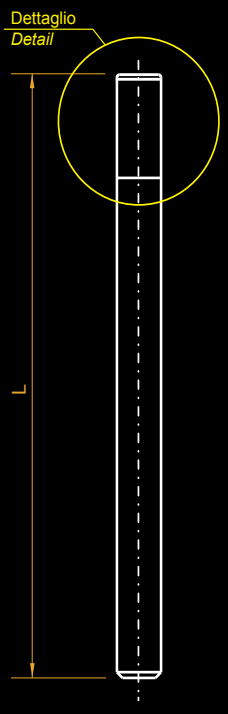


Frese testa torica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TG0F	SG0F	030510502	3	0,5	105	5	2
TG0F	SG0F	030507802	3	0,5	78	5	2
TG0F	SG0F	030210502	3	0,2	105	5	2
TG0F	SG0F	030207802	3	0,2	78	5	2





* Possibilità di scaricare le frese a richiesta (Consegna 2 giorni lavorativi, quantitativo minimo 5 pezzi)
** Possibility of rectifying the cutters on request (Delivery 2 working days, minimum quantity of 5 items)*

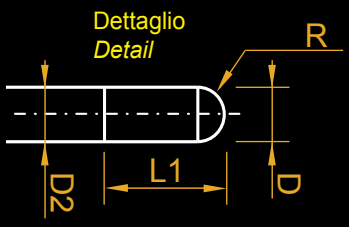
FRESE RINFORZATE - UTILE CILINDRICO
REINFORCED END MILLS - CYLINDRICAL TAPERED

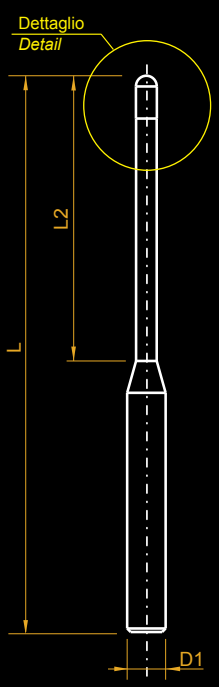
Ø 3

Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
TGRF	SGRF	4315078X2	3	1,5	78	5	2	4	2,95	40
TGRF	SGRF	4315078W2	3	1,5	78	5	2	4	2,95	35
TGRF	SGRF	4315078V2	3	1,5	78	5	2	4	2,95	30
TGRF	SGRF	4315078U2	3	1,5	78	5	2	4	2,95	25
TGRF	SGRF	4315078T2	3	1,5	78	5	2	4	2,95	20
TGRF	SGRF	4315078S2	3	1,5	78	5	2	4	2,95	15
TGRF	SGRF	4315078Q2	3	1,5	78	5	2	4	2,95	10

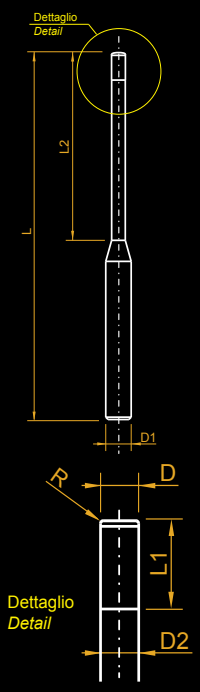




Frese testa torica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered corner radius end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
TGRF	SGRF	4305078X2	3	0,5	78	5	2	4	2,95	40
TGRF	SGRF	4305078W2	3	0,5	78	5	2	4	2,95	35
TGRF	SGRF	4305078V2	3	0,5	78	5	2	4	2,95	30
TGRF	SGRF	4305078U2	3	0,5	78	5	2	4	2,95	25
TGRF	SGRF	4305078T2	3	0,5	78	5	2	4	2,95	20
TGRF	SGRF	4305078S2	3	0,5	78	5	2	4	2,95	15
TGRF	SGRF	4305078Q2	3	0,5	78	5	2	4	2,95	10
TGRF	SGRF	4302078X2	3	0,2	78	5	2	4	2,95	40
TGRF	SGRF	4302078W2	3	0,2	78	5	2	4	2,95	35
TGRF	SGRF	4302078V2	3	0,2	78	5	2	4	2,95	30
TGRF	SGRF	4302078U2	3	0,2	78	5	2	4	2,95	25
TGRF	SGRF	4302078T2	3	0,2	78	5	2	4	2,95	20
TGRF	SGRF	4302078S2	3	0,2	78	5	2	4	2,95	15
TGRF	SGRF	4302078Q2	3	0,2	78	5	2	4	2,95	10



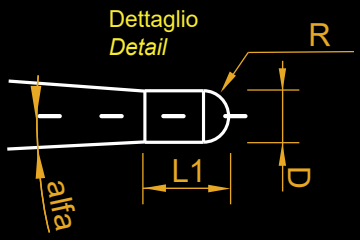
FRESE RINFORZATE-UTILE CONICO
REINFORCED END MILLS-TAPERED NECK

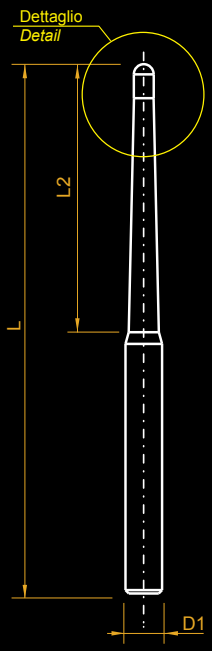
Ø 3

Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
TGRF	SGRF	4315105ZQ2-05	3	1,5	105	5	2	4	60	<0,5°
TGRF	SGRF	4315105ZL2-05	3	1,5	105	5	2	4	55	<0,5°
TGRF	SGRF	4315105Z2-05	3	1,5	105	5	2	4	50	<0,5°
TGRF	SGRF	4315105Y2-05	3	1,5	105	5	2	4	45	<0,5°

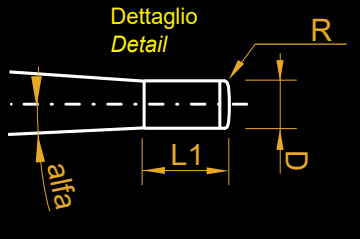


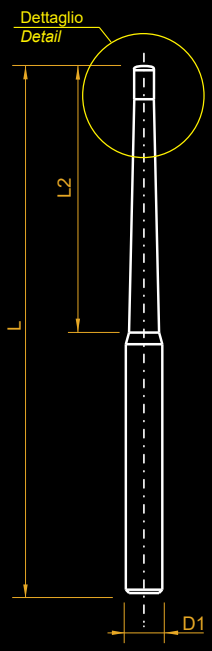


Frese testa torica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
TGRF	SGRF	4305105ZQ2-05	3	0,5	105	5	2	4	60	<0,5°
TGRF	SGRF	4305105ZL2-05	3	0,5	105	5	2	4	55	<0,5°
TGRF	SGRF	4305105Z2-05	3	0,5	105	5	2	4	50	<0,5°
TGRF	SGRF	4305105Y2-05	3	0,5	105	5	2	4	45	<0,5°
TGRF	SGRF	4302105ZQ2-05	3	0,2	105	5	2	4	60	<0,5°
TGRF	SGRF	4302105ZL2-05	3	0,2	105	5	2	4	55	<0,5°
TGRF	SGRF	4302105Z2-05	3	0,2	105	5	2	4	50	<0,5°
TGRF	SGRF	4302105Y2-05	3	0,2	105	5	2	4	45	<0,5°

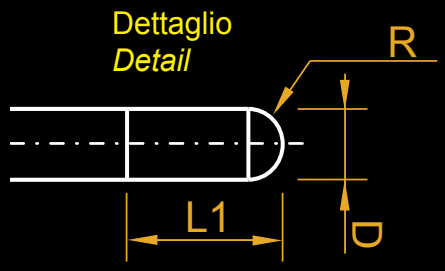


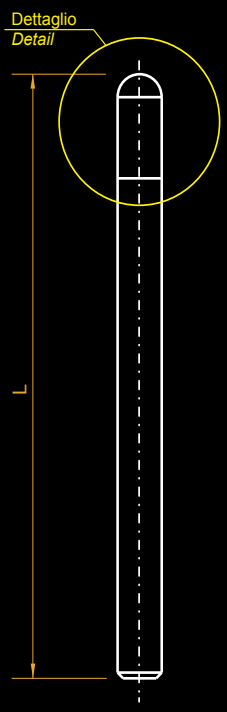


Frese testa sferica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TGOF	SGOF	021010502	2	1	105	4	2
TGOF	SGOF	021007802	2	1	78	4	2

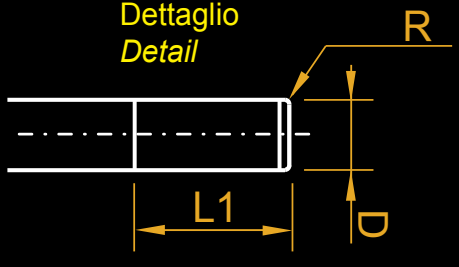


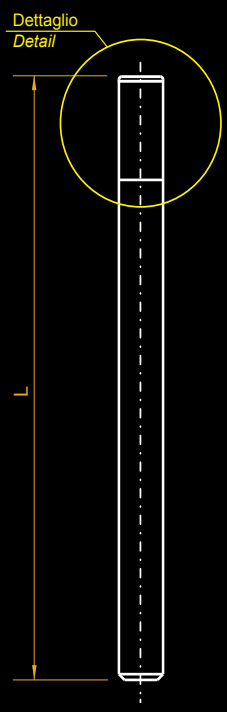


Frese testa torica in metallo duro rivestito in diamante CVD per lavorazioni su Grafite
Coated solid carbide corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z
TGOF	SGOF	020510502	2	0,5	105	4	2
TGOF	SGOF	020507802	2	0,5	78	4	2
TGOF	SGOF	020210502	2	0,2	105	4	2
TGOF	SGOF	020207802	2	0,2	78	4	2





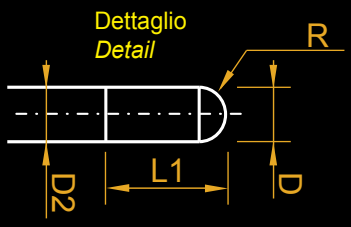
* Possibilità di scaricare le frese a richiesta (Consegna 2 giorni lavorativi, quantitativo minimo 5 pezzi)
* *Possibility of rectifying the cutters on request (Delivery 2 working days, minimum quantity of 5 items)*

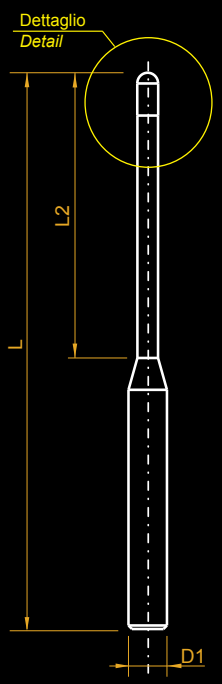
FRESE RINFORZATE - UTILE CILINDRICO
REINFORCED END MILLS - CYLINDRICAL TAPERED

Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
TGRF	SGRF	4210078X2	2	1,0	78	4	2	4	1,95	40
TGRF	SGRF	4210078W2	2	1,0	78	4	2	4	1,95	35
TGRF	SGRF	4210078V2	2	1,0	78	4	2	4	1,95	30
TGRF	SGRF	4210078U2	2	1,0	78	4	2	4	1,95	25
TGRF	SGRF	4210078T2	2	1,0	78	4	2	4	1,95	20
TGRF	SGRF	4210078S2	2	1,0	78	4	2	4	1,95	15
TGRF	SGRF	4210078Q2	2	1,0	78	4	2	4	1,95	10

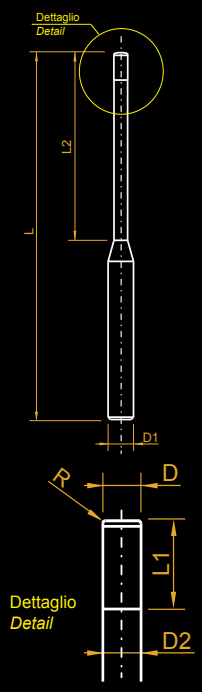




Frese testa torica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered corner radius end mills with diamond CVD for graphite machining



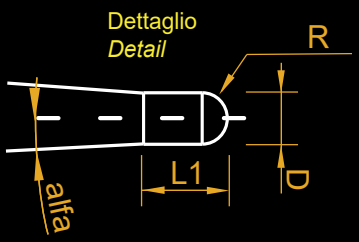
STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
TGRF	SGRF	4205078X2	2	0,5	78	4	2	4	1,95	40
TGRF	SGRF	4205078W2	2	0,5	78	4	2	4	1,95	35
TGRF	SGRF	4205078V2	2	0,5	78	4	2	4	1,95	30
TGRF	SGRF	4205078U2	2	0,5	78	4	2	4	1,95	25
TGRF	SGRF	4205078T2	2	0,5	78	4	2	4	1,95	20
TGRF	SGRF	4205078S2	2	0,5	78	4	2	4	1,95	15
TGRF	SGRF	4205078Q2	2	0,5	78	4	2	4	1,95	10
TGRF	SGRF	4202078X2	2	0,2	78	4	2	4	1,95	40
TGRF	SGRF	4202078W2	2	0,2	78	4	2	4	1,95	35
TGRF	SGRF	4202078V2	2	0,2	78	4	2	4	1,95	30
TGRF	SGRF	4202078U2	2	0,2	78	4	2	4	1,95	25
TGRF	SGRF	4202078T2	2	0,2	78	4	2	4	1,95	20
TGRF	SGRF	4202078S2	2	0,2	78	4	2	4	1,95	15
TGRF	SGRF	4202078Q2	2	0,2	78	4	2	4	1,95	10

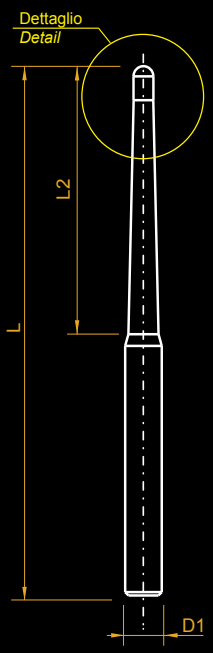


Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
TGRF	SGRF	4210105ZQ2-05	2	1	105	4	2	4	60	<0,5°
TGRF	SGRF	4210105ZL2-05	2	1	105	4	2	4	55	<0,5°
TGRF	SGRF	4210105Z2-05	2	1	105	4	2	4	50	<0,5°
TGRF	SGRF	4210105Y2-05	2	1	105	4	2	4	45	<0,5°

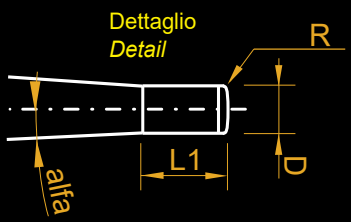


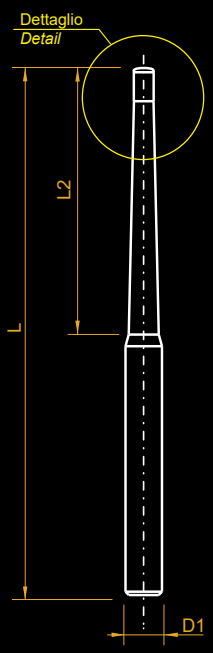


Frese testa torica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
TGRF	SGRF	4205105ZQ2-05	2	0,5	105	4	2	4	60	<0,5°
TGRF	SGRF	4205105ZL2-05	2	0,5	105	4	2	4	55	<0,5°
TGRF	SGRF	4205105Z2-05	2	0,5	105	4	2	4	50	<0,5°
TGRF	SGRF	4205105Y2-05	2	0,5	105	4	2	4	45	<0,5°
TGRF	SGRF	4202105ZQ2-05	2	0,2	105	4	2	4	60	<0,5°
TGRF	SGRF	4202105ZL2-05	2	0,2	105	4	2	4	55	<0,5°
TGRF	SGRF	4202105Z2-05	2	0,2	105	4	2	4	50	<0,5°
TGRF	SGRF	4202105Y2-05	2	0,2	105	4	2	4	45	<0,5°





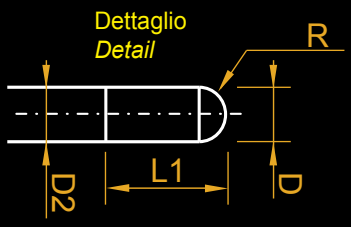
FRESE RINFORZATE - UTILE CILINDRICO
REINFORCED END MILLS - CYLINDRICAL TAPERED

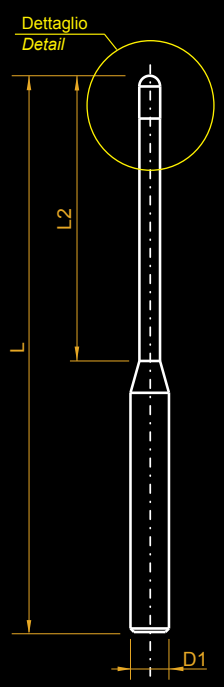
Ø 1,5

Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.15.78X2	1,5	0,75	78	2	2	4	1,45	40
THRF	SHRF	4.15.78W2	1,5	0,75	78	2	2	4	1,45	35
THRF	SHRF	4.15.78V2	1,5	0,75	78	2	2	4	1,45	30
THRF	SHRF	4.15.78U2	1,5	0,75	78	2	2	4	1,45	25
THRF	SHRF	4.15.78T2	1,5	0,75	78	2	2	4	1,45	20
THRF	SHRF	4.15.78S2	1,5	0,75	78	2	2	4	1,45	15
THRF	SHRF	4.15.78Q2	1,5	0,75	78	2	2	4	1,45	10

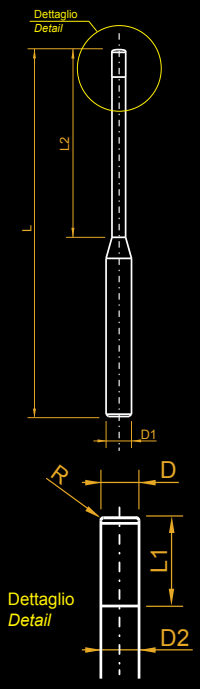




Frese testa torica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered corner radius end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.15.78X3	1,5	0,3	78	2	2	4	1,45	40
THRF	SHRF	4.15.78W3	1,5	0,3	78	2	2	4	1,45	35
THRF	SHRF	4.15.78V3	1,5	0,3	78	2	2	4	1,45	30
THRF	SHRF	4.15.78U3	1,5	0,3	78	2	2	4	1,45	25
THRF	SHRF	4.15.78T3	1,5	0,3	78	2	2	4	1,45	20
THRF	SHRF	4.15.78S3	1,5	0,3	78	2	2	4	1,45	15
THRF	SHRF	4.15.78Q3	1,5	0,3	78	2	2	4	1,45	10
THRF	SHRF	4.15.78X1	1,5	0,15	78	2	2	4	1,45	40
THRF	SHRF	4.15.78W1	1,5	0,15	78	2	2	4	1,45	35
THRF	SHRF	4.15.78V1	1,5	0,15	78	2	2	4	1,45	30
THRF	SHRF	4.15.78U1	1,5	0,15	78	2	2	4	1,45	25
THRF	SHRF	4.15.78T1	1,5	0,15	78	2	2	4	1,45	20
THRF	SHRF	4.15.78S1	1,5	0,15	78	2	2	4	1,45	15
THRF	SHRF	4.15.78Q1	1,5	0,15	78	2	2	4	1,45	10



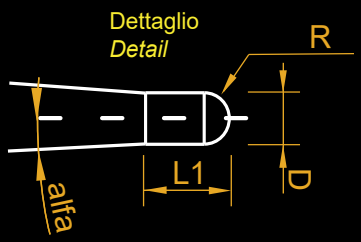
FRESE RINFORZATE-UTILE CONICO
REINFORCED END MILLS-TAPERED NECK

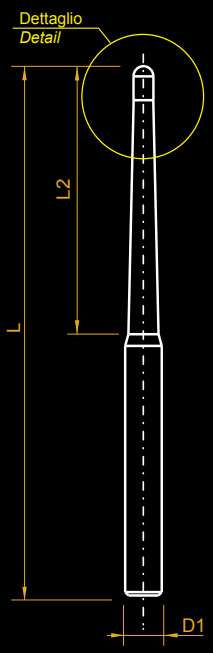
Ø 1,5

Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.15.A5ZQ2-05	1,5	0,75	105	2	2	4	60	<0,5°
THRF	SHRF	4.15.A5ZL2-05	1,5	0,75	105	2	2	4	55	<0,5°
THRF	SHRF	4.15.A5Z2-05	1,5	0,75	105	2	2	4	50	<0,5°
THRF	SHRF	4.15.A5Y2-05	1,5	0,75	105	2	2	4	45	<0,5°

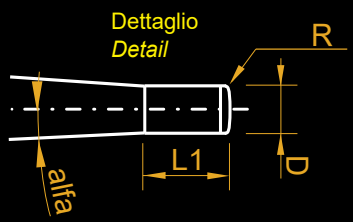


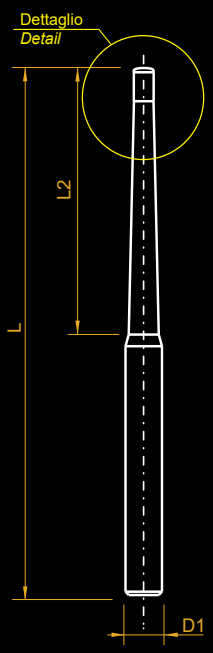


Frese testa torica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.15.A5ZQ3-05	1,5	0,3	105	2	2	4	60	<0,5°
THRF	SHRF	4.15.A5ZL3-05	1,5	0,3	105	2	2	4	55	<0,5°
THRF	SHRF	4.15.A5Z3-05	1,5	0,3	105	2	2	4	50	<0,5°
THRF	SHRF	4.15.A5Y3-05	1,5	0,3	105	2	2	4	45	<0,5°
THRF	SHRF	4.15.A5ZQ1-05	1,5	0,15	105	2	2	4	60	<0,5°
THRF	SHRF	4.15.A5ZL1-05	1,5	0,15	105	2	2	4	55	<0,5°
THRF	SHRF	4.15.A5Z1-05	1,5	0,15	105	2	2	4	50	<0,5°
THRF	SHRF	4.15.A5Y1-05	1,5	0,15	105	2	2	4	45	<0,5°





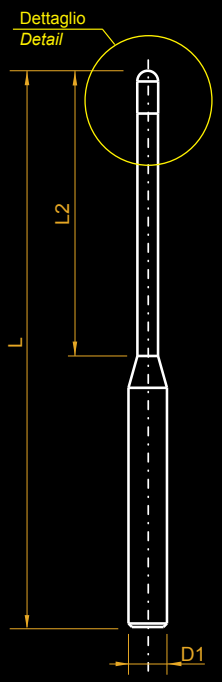
FRESE RINFORZATE - UTILE CILINDRICO
REINFORCED END MILLS - CYLINDRICAL TAPERED

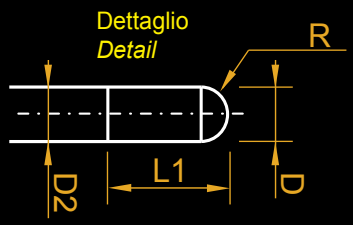
Ø 1,0

Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.10.78W2	1	0,5	78	2	2	4	0,95	35
THRF	SHRF	4.10.78V2	1	0,5	78	2	2	4	0,95	30
THRF	SHRF	4.10.78U2	1	0,5	78	2	2	4	0,95	25
THRF	SHRF	4.10.78T2	1	0,5	78	2	2	4	0,95	20
THRF	SHRF	4.10.78S2	1	0,5	78	2	2	4	0,95	15
THRF	SHRF	4.10.78Q2	1	0,5	78	2	2	4	0,95	10

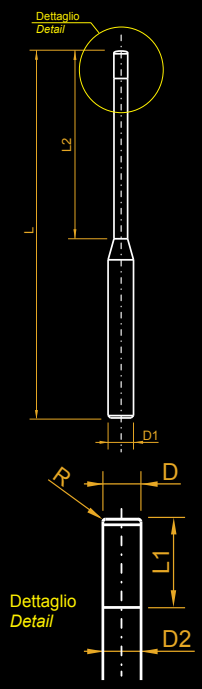




Frese testa torica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered corner radius end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.10.78W3	1	0,2	78	2	2	4	0,95	35
THRF	SHRF	4.10.78V3	1	0,2	78	2	2	4	0,95	30
THRF	SHRF	4.10.78U3	1	0,2	78	2	2	4	0,95	25
THRF	SHRF	4.10.78T3	1	0,2	78	2	2	4	0,95	20
THRF	SHRF	4.10.78S3	1	0,2	78	2	2	4	0,95	15
THRF	SHRF	4.10.78Q3	1	0,2	78	2	2	4	0,95	10
THRF	SHRF	4.10.78W1	1	0,1	78	2	2	4	0,95	35
THRF	SHRF	4.10.78V1	1	0,1	78	2	2	4	0,95	30
THRF	SHRF	4.10.78U1	1	0,1	78	2	2	4	0,95	25
THRF	SHRF	4.10.78T1	1	0,1	78	2	2	4	0,95	20
THRF	SHRF	4.10.78S1	1	0,1	78	2	2	4	0,95	15
THRF	SHRF	4.10.78Q1	1	0,1	78	2	2	4	0,95	10



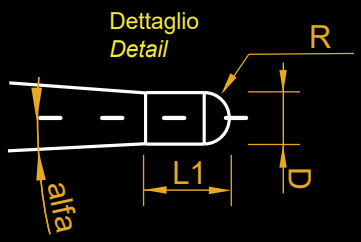
FRESE RINFORZATE-UTILE CONICO
REINFORCED END MILLS-TAPERED NECK

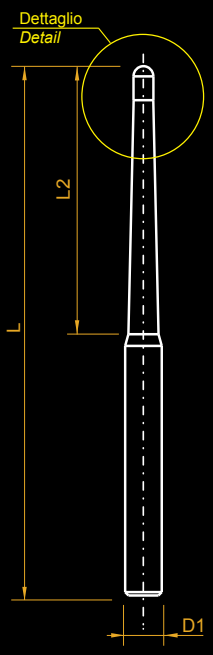
Ø 1,0

Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.10.A5ZQ2-10	1	0,5	105	2	2	4	60	<1,0°
THRF	SHRF	4.10.A5ZL2-10	1	0,5	105	2	2	4	55	<1,0°
THRF	SHRF	4.10.A5Z2-10	1	0,5	105	2	2	4	50	<1,0°
THRF	SHRF	4.10.A5Y2-10	1	0,5	105	2	2	4	45	<1,0°
THRF	SHRF	4.10.78X2-10	1	0,5	78	2	2	4	40	<1,0°
THRF	SHRF	4.10.A5ZQ2-05	1	0,5	105	2	2	4	60	<0,5°
THRF	SHRF	4.10.A5ZL2-05	1	0,5	105	2	2	4	55	<0,5°
THRF	SHRF	4.10.A5Z2-05	1	0,5	105	2	2	4	50	<0,5°
THRF	SHRF	4.10.A5Y2-05	1	0,5	105	2	2	4	45	<0,5°
THRF	SHRF	4.10.78X2-05	1	0,5	78	2	2	4	40	<0,5°

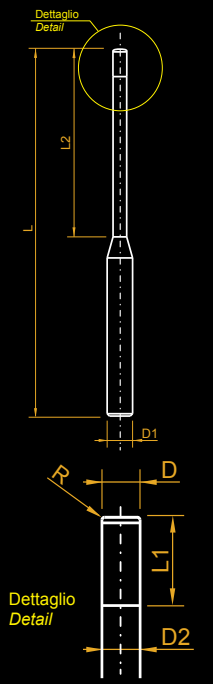




Frese testa torica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.10.A5ZQ3-10	1	0,2	105	2	2	4	60	<1,0°
THRF	SHRF	4.10.A5ZL3-10	1	0,2	105	2	2	4	55	<1,0°
THRF	SHRF	4.10.A5Z3-10	1	0,2	105	2	2	4	50	<1,0°
THRF	SHRF	4.10.A5Y3-10	1	0,2	105	2	2	4	45	<1,0°
THRF	SHRF	4.10.78X3-10	1	0,2	78	2	2	4	40	<1,0°
THRF	SHRF	4.10.A5ZQ3-05	1	0,2	105	2	2	4	60	<0,5°
THRF	SHRF	4.10.A5ZL3-05	1	0,2	105	2	2	4	55	<0,5°
THRF	SHRF	4.10.A5Z3-05	1	0,2	105	2	2	4	50	<0,5°
THRF	SHRF	4.10.A5Y3-05	1	0,2	105	2	2	4	45	<0,5°
THRF	SHRF	4.10.78X3-05	1	0,2	78	2	2	4	40	<0,5°
THRF	SHRF	4.10.A5ZQ1-10	1	0,1	105	2	2	4	60	<1,0°
THRF	SHRF	4.10.A5ZL1-10	1	0,1	105	2	2	4	55	<1,0°
THRF	SHRF	4.10.A5Z1-10	1	0,1	105	2	2	4	50	<1,0°
THRF	SHRF	4.10.A5Y1-10	1	0,1	105	2	2	4	45	<1,0°
THRF	SHRF	4.10.78X1-10	1	0,1	78	2	2	4	40	<1,0°
THRF	SHRF	4.10.A5ZQ1-05	1	0,1	105	2	2	4	60	<0,5°
THRF	SHRF	4.10.A5ZL1-05	1	0,1	105	2	2	4	55	<0,5°
THRF	SHRF	4.10.A5Z1-05	1	0,1	105	2	2	4	50	<0,5°
THRF	SHRF	4.10.A5Y1-05	1	0,1	105	2	2	4	45	<0,5°
THRF	SHRF	4.10.78X1-05	1	0,1	78	2	2	4	40	<0,5°



FRESE RINFORZATE - UTILE CILINDRICO Ø 0,8

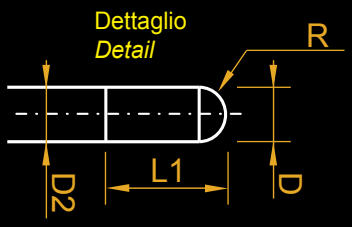
REINFORCED END MILLS - CYLINDRICAL TAPERED

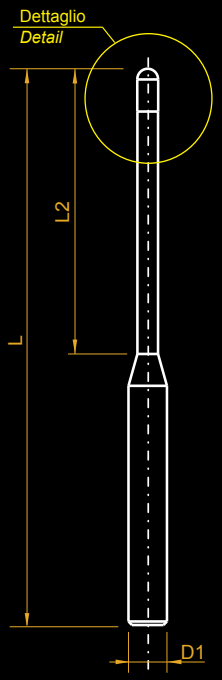
Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite

Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.08.78T2	0,8	0,4	78	2	2	4	0,75	20
THRF	SHRF	4.08.78S2	0,8	0,4	78	2	2	4	0,75	15
THRF	SHRF	4.08.78Q2	0,8	0,4	78	2	2	4	0,75	10
THRF	SHRF	4.08.78L2	0,8	0,4	78	2	2	4	0,75	5



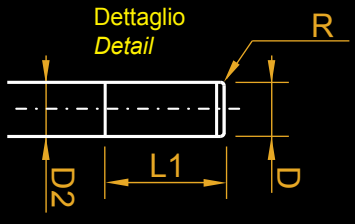


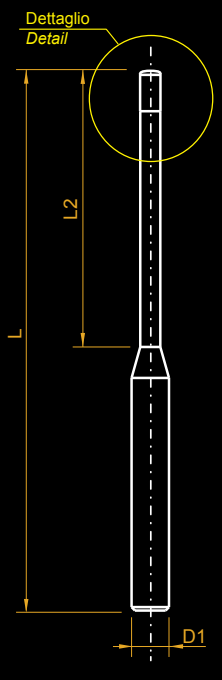
Frese testa torica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite

Coated solid carbide cylindrical tapered corner radius end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.08.78T1	0,8	0,08	78	2	2	4	0,75	20
THRF	SHRF	4.08.78S1	0,8	0,08	78	2	2	4	0,75	15
THRF	SHRF	4.08.78Q1	0,8	0,08	78	2	2	4	0,75	10
THRF	SHRF	4.08.78L1	0,8	0,08	78	2	2	4	0,75	5





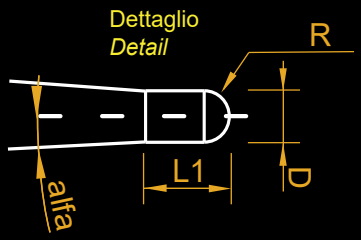
FRESE RINFORZATE-UTILE CONICO
REINFORCED END MILLS-TAPERED NECK

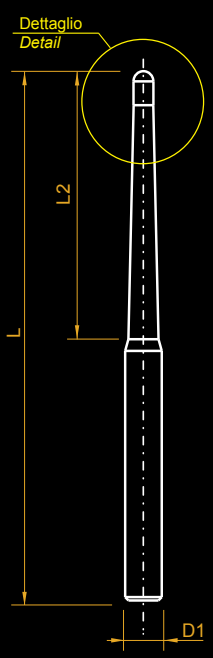
Ø 0,8

Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.08.78X2-10	0,8	0,4	78	2	2	4	40	<1°
THRF	SHRF	4.08.78W2-10	0,8	0,4	78	2	2	4	35	<1°
THRF	SHRF	4.08.78V2-10	0,8	0,4	78	2	2	4	30	<1°
THRF	SHRF	4.08.78U2-10	0,8	0,4	78	2	2	4	25	<1°
THRF	SHRF	4.08.78X2-05	0,8	0,4	78	2	2	4	40	<0,5°
THRF	SHRF	4.08.78W2-05	0,8	0,4	78	2	2	4	35	<0,5°
THRF	SHRF	4.08.78V2-05	0,8	0,4	78	2	2	4	30	<0,5°
THRF	SHRF	4.08.78U2-05	0,8	0,4	78	2	2	4	25	<0,5°

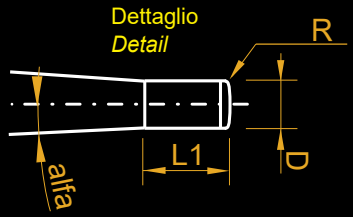


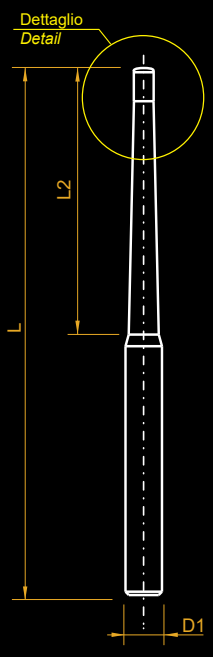


Frese testa torica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.08.78X1-10	0,8	0,08	78	2	2	4	40	<1°
THRF	SHRF	4.08.78W1-10	0,8	0,08	78	2	2	4	35	<1°
THRF	SHRF	4.08.78V1-10	0,8	0,08	78	2	2	4	30	<1°
THRF	SHRF	4.08.78U1-10	0,8	0,08	78	2	2	4	25	<1°
THRF	SHRF	4.08.78X1-05	0,8	0,08	78	2	2	4	40	<0,5°
THRF	SHRF	4.08.78W1-05	0,8	0,08	78	2	2	4	35	<0,5°
THRF	SHRF	4.08.78V1-05	0,8	0,08	78	2	2	4	30	<0,5°
THRF	SHRF	4.08.78U1-05	0,8	0,08	78	2	2	4	25	<0,5°





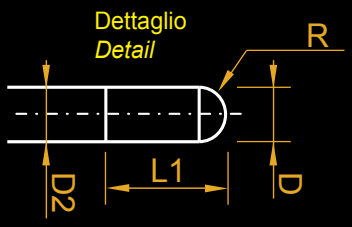
FRESE RINFORZATE - UTILE CILINDRICO
REINFORCED END MILLS - CYLINDRICAL TAPERED

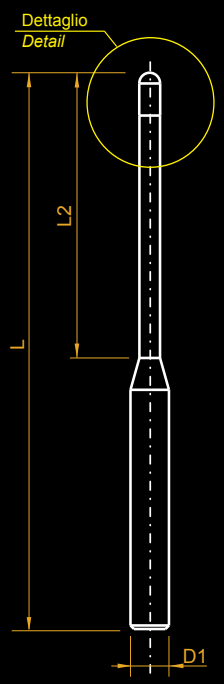
Ø 0,6

Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.06.78T2	0,6	0,3	78	1,2	2	4	0,55	20
THRF	SHRF	4.06.78S2	0,6	0,3	78	1,2	2	4	0,55	15
THRF	SHRF	4.06.78Q2	0,6	0,3	78	1,2	2	4	0,55	10
THRF	SHRF	4.06.78L2	0,6	0,3	78	1,2	2	4	0,55	5

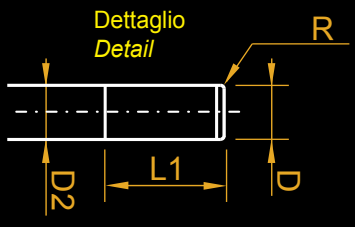


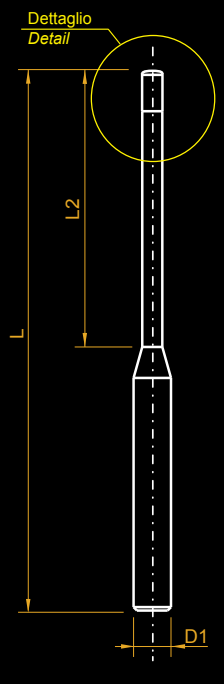


Frese testa torica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered corner radius end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.06.78T1	0,6	0,06	78	1,2	2	4	0,55	20
THRF	SHRF	4.06.78S1	0,6	0,06	78	1,2	2	4	0,55	15
THRF	SHRF	4.06.78Q1	0,6	0,06	78	1,2	2	4	0,55	10
THRF	SHRF	4.06.78L1	0,6	0,06	78	1,2	2	4	0,55	5





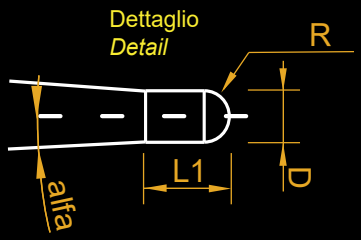
FRESE RINFORZATE-UTILE CONICO
REINFORCED END MILLS-TAPERED NECK

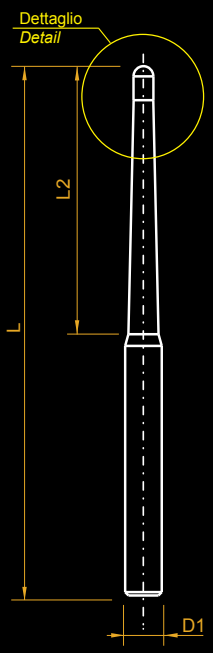
Ø 0,6

Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.06.78X2-10	0,6	0,3	78	1,2	2	4	40	<1°
THRF	SHRF	4.06.78W2-10	0,6	0,3	78	1,2	2	4	35	<1°
THRF	SHRF	4.06.78V2-10	0,6	0,3	78	1,2	2	4	30	<1°
THRF	SHRF	4.06.78U2-10	0,6	0,3	78	1,2	2	4	25	<1°
THRF	SHRF	4.06.78X2-05	0,6	0,3	78	1,2	2	4	40	<0,5°
THRF	SHRF	4.06.78W2-05	0,6	0,3	78	1,2	2	4	35	<0,5°
THRF	SHRF	4.06.78V2-05	0,6	0,3	78	1,2	2	4	30	<0,5°
THRF	SHRF	4.06.78U2-05	0,6	0,3	78	1,2	2	4	25	<0,5°

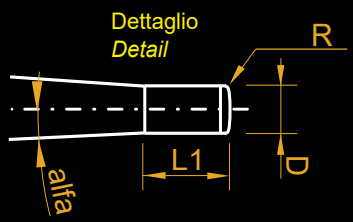


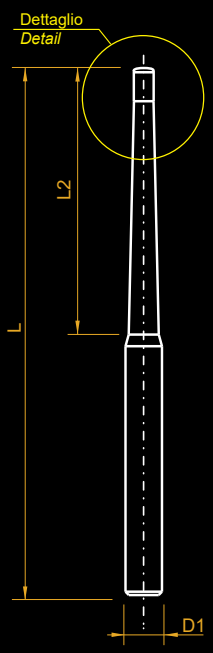


Frese testa torica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.06.78X1-10	0,6	0,06	78	1,2	2	4	40	<1°
THRF	SHRF	4.06.78W1-10	0,6	0,06	78	1,2	2	4	35	<1°
THRF	SHRF	4.06.78V1-10	0,6	0,06	78	1,2	2	4	30	<1°
THRF	SHRF	4.06.78U1-10	0,6	0,06	78	1,2	2	4	25	<1°
THRF	SHRF	4.06.78X1-05	0,6	0,06	78	1,2	2	4	40	<0,5°
THRF	SHRF	4.06.78W1-05	0,6	0,06	78	1,2	2	4	35	<0,5°
THRF	SHRF	4.06.78V1-05	0,6	0,06	78	1,2	2	4	30	<0,5°
THRF	SHRF	4.06.78U1-05	0,6	0,06	78	1,2	2	4	25	<0,5°





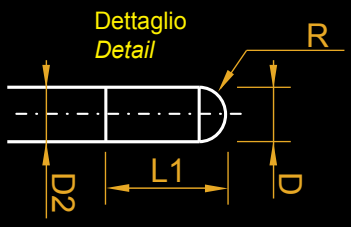
FRESE RINFORZATE - UTILE CILINDRICO
REINFORCED END MILLS - CYLINDRICAL TAPERED

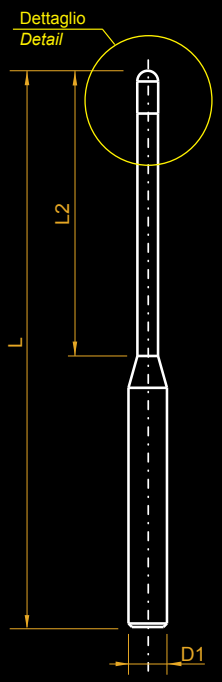
Ø 0,5

Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.05.78T2	0,5	0,25	78	1,2	2	4	0,45	20
THRF	SHRF	4.05.78S2	0,5	0,25	78	1,2	2	4	0,45	15
THRF	SHRF	4.05.78Q2	0,5	0,25	78	1,2	2	4	0,45	10
THRF	SHRF	4.05.78L2	0,5	0,25	78	1,2	2	4	0,45	5

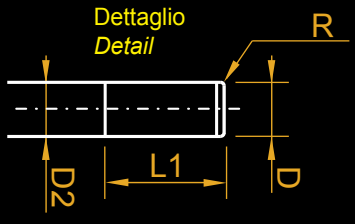


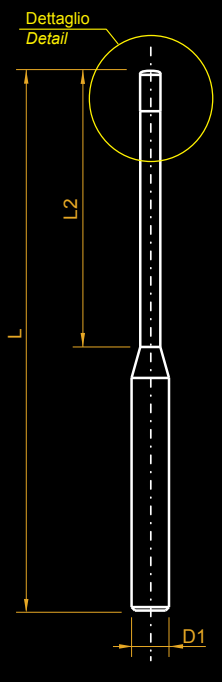


Frese testa torica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered corner radius end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.05.78T1	0,5	0,05	78	1,2	2	4	0,45	20
THRF	SHRF	4.05.78S1	0,5	0,05	78	1,2	2	4	0,45	15
THRF	SHRF	4.05.78Q1	0,5	0,05	78	1,2	2	4	0,45	10
THRF	SHRF	4.05.78L1	0,5	0,05	78	1,2	2	4	0,45	5





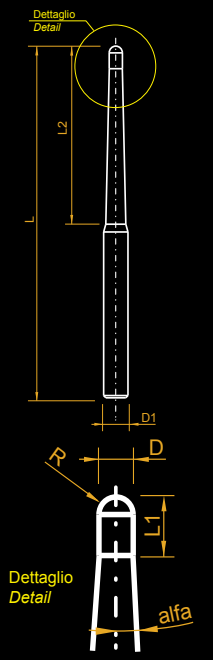
FRESE RINFORZATE-UTILE CONICO
REINFORCED END MILLS-TAPERED NECK

Ø 0,5

Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



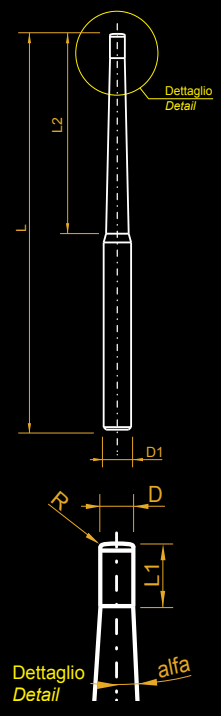
STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.05.78X2-10	0,5	0,25	78	1,2	2	4	40	<1°
THRF	SHRF	4.05.78W2-10	0,5	0,25	78	1,2	2	4	35	<1°
THRF	SHRF	4.05.78V2-10	0,5	0,25	78	1,2	2	4	30	<1°
THRF	SHRF	4.05.78U2-10	0,5	0,25	78	1,2	2	4	25	<1°
THRF	SHRF	4.05.78X2-05	0,5	0,25	78	1,2	2	4	40	<0,5°
THRF	SHRF	4.05.78W2-05	0,5	0,25	78	1,2	2	4	35	<0,5°
THRF	SHRF	4.05.78V2-05	0,5	0,25	78	1,2	2	4	30	<0,5°
THRF	SHRF	4.05.78U2-05	0,5	0,25	78	1,2	2	4	25	<0,5°



Frese testa torica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.05.78X1-10	0,5	0,05	78	1,2	2	4	40	<1°
THRF	SHRF	4.05.78W1-10	0,5	0,05	78	1,2	2	4	35	<1°
THRF	SHRF	4.05.78V1-10	0,5	0,05	78	1,2	2	4	30	<1°
THRF	SHRF	4.05.78U1-10	0,5	0,05	78	1,2	2	4	25	<1°
THRF	SHRF	4.05.78X1-05	0,5	0,05	78	1,2	2	4	40	<0,5°
THRF	SHRF	4.05.78W1-05	0,5	0,05	78	1,2	2	4	35	<0,5°
THRF	SHRF	4.05.78V1-05	0,5	0,05	78	1,2	2	4	30	<0,5°
THRF	SHRF	4.05.78U1-05	0,5	0,05	78	1,2	2	4	25	<0,5°



FRESE RINFORZATE - UTILE CILINDRICO Ø 0,4

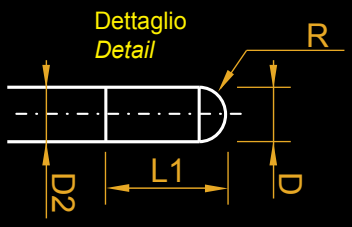
REINFORCED END MILLS - CYLINDRICAL TAPERED

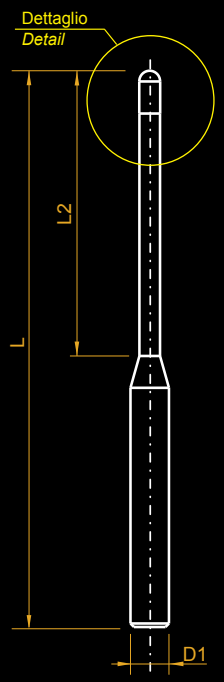
Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite

Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.04.52L2	0,4	0,2	52	0,6	2	4	0,35	5
THRF	SHRF	4.04.52G2	0,4	0,2	52	0,6	2	4	0,35	2,5



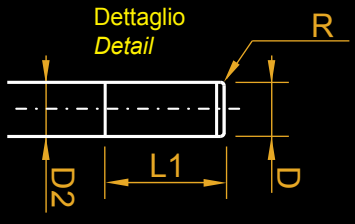


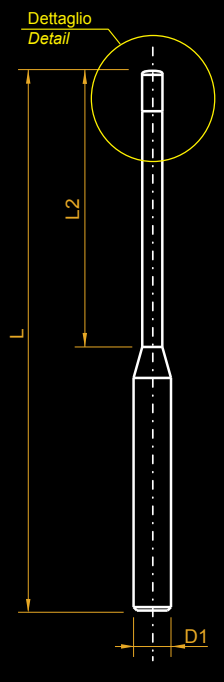
Frese testa torica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite

Coated solid carbide cylindrical tapered corner radius end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.04.52L1	0,4	0,04	52	0,6	2	4	0,35	5
THRF	SHRF	4.04.52G1	0,4	0,04	52	0,6	2	4	0,35	2,5





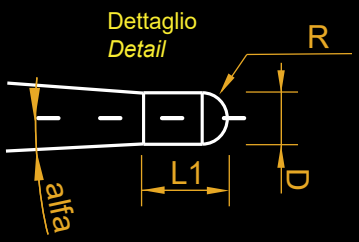
FRESE RINFORZATE-UTILE CONICO
REINFORCED END MILLS-TAPERED NECK

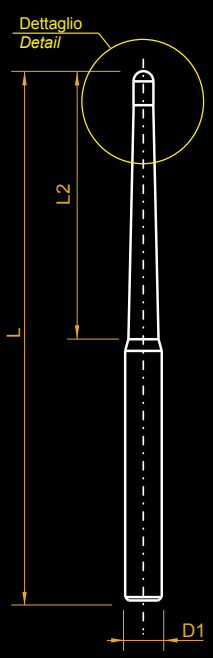
Ø 0,4

Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.04.52Q2-10	0,4	0,2	52	0,6	2	4	10	<1°
THRF	SHRF	4.04.52LG2-10	0,4	0,2	52	0,6	2	4	7,5	<1°
THRF	SHRF	4.04.52L2-10	0,4	0,2	52	0,6	2	4	5	<1°
THRF	SHRF	4.04.52Q2-05	0,4	0,2	52	0,6	2	4	10	<0,5°
THRF	SHRF	4.04.52LG2-05	0,4	0,2	52	0,6	2	4	7,5	<0,5°
THRF	SHRF	4.04.52L2-05	0,4	0,2	52	0,6	2	4	5	<0,5°

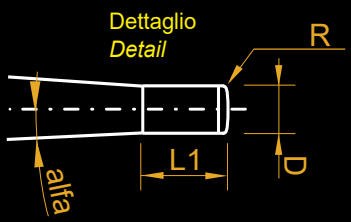


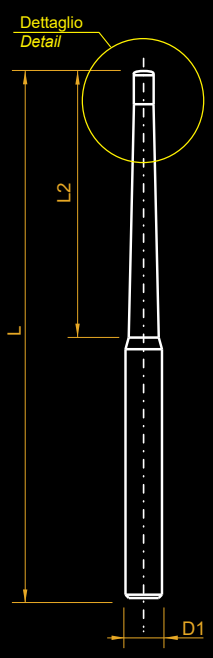


Frese testa torica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.04.52Q1-10	0,4	0,04	52	0,6	2	4	10	<1°
THRF	SHRF	4.04.52LG1-10	0,4	0,04	52	0,6	2	4	7,5	<1°
THRF	SHRF	4.04.52L1-10	0,4	0,04	52	0,6	2	4	5	<1°
THRF	SHRF	4.04.52Q1-05	0,4	0,04	52	0,6	2	4	10	<0,5°
THRF	SHRF	4.04.52LG1-05	0,4	0,04	52	0,6	2	4	7,5	<0,5°
THRF	SHRF	4.04.52L1-05	0,4	0,04	52	0,6	2	4	5	<0,5°





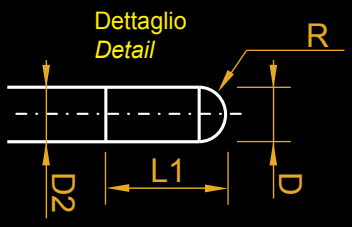
FRESE RINFORZATE - UTILE CILINDRICO
REINFORCED END MILLS - CYLINDRICAL TAPERED

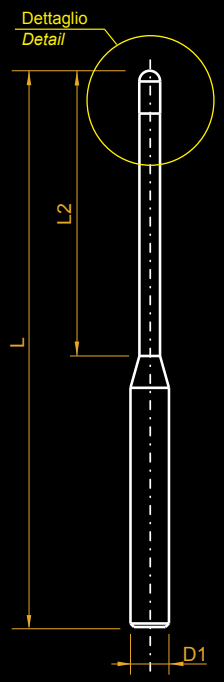
Ø 0,3

Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.03.52G2	0,3	0,15	52	0,6	2	4	0,25	2,5
THRF	SHRF	4.03.52B2	0,3	0,15	52	0,6	2	4	0,25	1,2

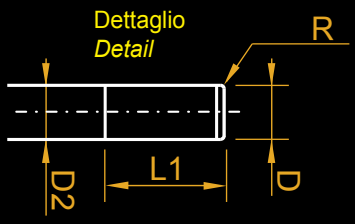


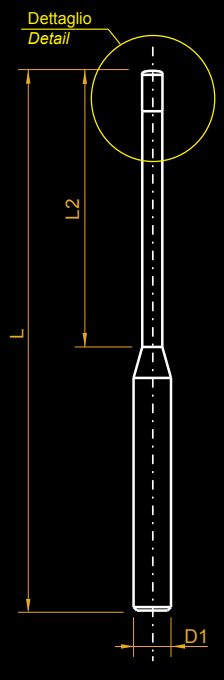


Frese testa torica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered corner radius end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.03.52G1	0,3	0,03	52	0,6	2	4	0,25	2,5
THRF	SHRF	4.03.52B1	0,3	0,03	52	0,6	2	4	0,25	1,2





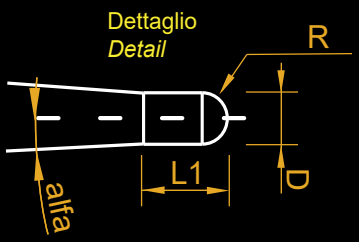
FRESE RINFORZATE-UTILE CONICO
REINFORCED END MILLS-TAPERED NECK

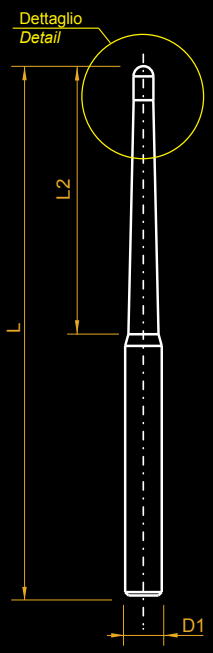
Ø 0,3

Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.03.52Q2-10	0,3	0,15	52	0,6	2	4	10	<1°
THRF	SHRF	4.03.52LG2-10	0,3	0,15	52	0,6	2	4	7,5	<1°
THRF	SHRF	4.03.52L2-10	0,3	0,15	52	0,6	2	4	5	<1°
THRF	SHRF	4.03.52Q2-05	0,3	0,15	52	0,6	2	4	10	<0,5°
THRF	SHRF	4.03.52LG2-05	0,3	0,15	52	0,6	2	4	7,5	<0,5°
THRF	SHRF	4.03.52L2-05	0,3	0,15	52	0,6	2	4	5	<0,5°

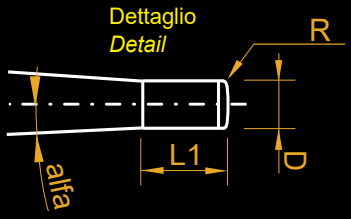


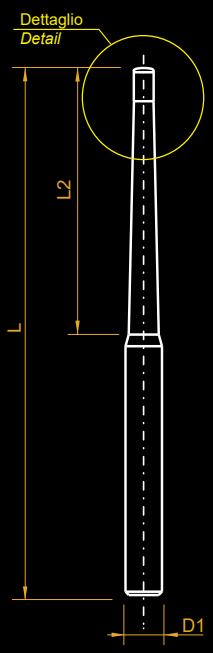


Frese testa torica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck corner radius nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.03.52Q1-10	0,3	0,03	52	0,6	2	4	10	<1°
THRF	SHRF	4.03.52LG1-10	0,3	0,03	52	0,6	2	4	7,5	<1°
THRF	SHRF	4.03.52L1-10	0,3	0,03	52	0,6	2	4	5	<1°
THRF	SHRF	4.03.52Q1-05	0,3	0,03	52	0,6	2	4	10	<0,5°
THRF	SHRF	4.03.52LG1-05	0,3	0,03	52	0,6	2	4	7,5	<0,5°
THRF	SHRF	4.03.52L1-05	0,3	0,03	52	0,6	2	4	5	<0,5°

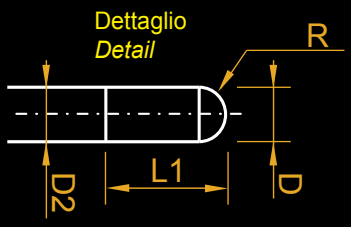


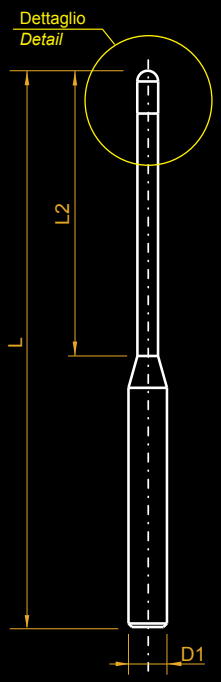


Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.02.52G2	0,2	0,1	52	0,6	2	4	0,15	2,5
THRF	SHRF	4.02.52B2	0,2	0,1	52	0,6	2	4	0,15	1,2

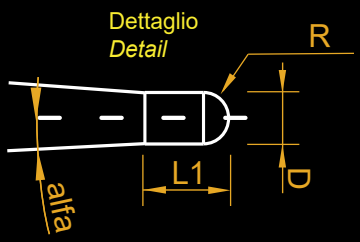


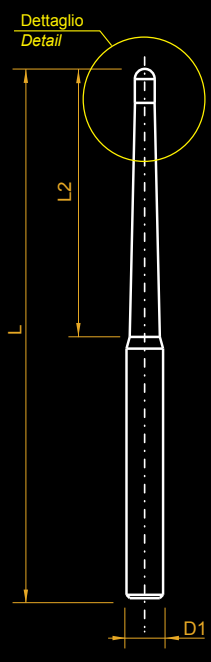


Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.02.52L2-10	0,2	0,1	52	0,6	2	4	5	<1°
THRF	SHRF	4.02.52L2-05	0,2	0,1	52	0,6	2	4	5	<0,5°

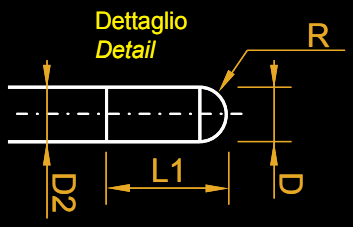


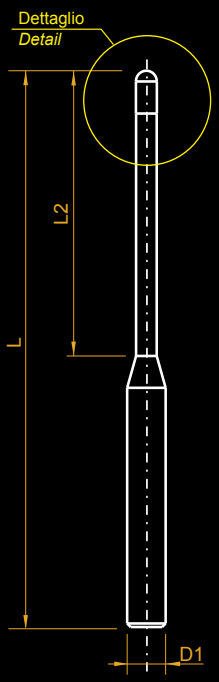


Frese testa sferica rastremate cilindriche in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide cylindrical tapered ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	D2	L2
THRF	SHRF	4.01.52G2	0,1	0,05	52	0,6	2	4	0,05	2,5
THRF	SHRF	4.01.52B2	0,1	0,05	52	0,6	2	4	0,05	1,2
THRF	SHRF	4.01.52A2	0,1	0,05	52	0,6	2	4	0,05	0,6

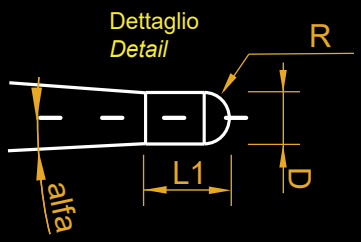


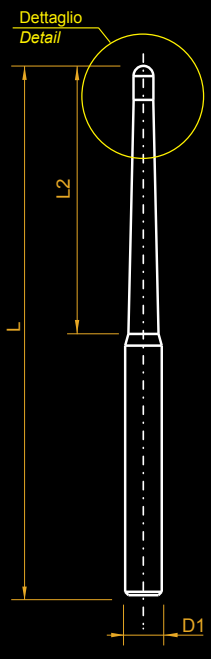


Frese testa sferica con utile conico in metallo duro rivestito in diamante CVD per lavorazioni su grafite
Coated solid carbide tapered neck ball nose end mills with diamond CVD for graphite machining



STANDARD	IVC	CODICE/CODE	D	R	L	L1	Z	D1	L2	ALFA
THRF	SHRF	4.01.52L2-10	0,1	0,05	52	0,6	2	4	5	<1°
THRF	SHRF	4.01.52L2-05	0,1	0,05	52	0,6	2	4	5	<0,5°






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