



OSG GROUP COMPANY

Code
03N

Properties		
mm	WORKS STD.	SOLID CARBIDE
	TYPE N	
	30°	Z 2
	COATED	UNCOATED

Cutting Data	
pg 108-109	

EN Solid Carbide 2 Flute Ball Nose End Mills

Milling keyways and slots to size in one cut. Designed for plunging operations & contouring. Produces a radius at the bottom of the cut.

FR Fraises 2 goujures bout Hémisphérique en Carbure Monobloc

Pour le fraisage de rainures en une seule passe. Conçues pour les opérations de soyage et le contournage. Exécutent un rayon au fond de la rainure.

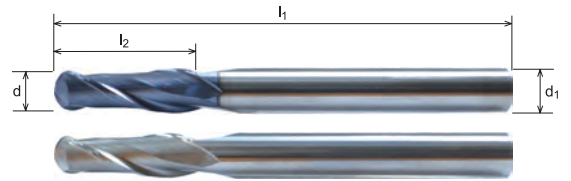
DE Vollhartmetall-Schaftfräser, 2-schneidig, Kugelkopf

Maßfräsen von Keilnuten und Kerben zu jeder Größe in einem Durchgang. Für Eintauchvorgänge und gestaltenden Läufe ausgelegt. Erzeugt einen Radius unten am Schnitt.

ES Fresas de forma de carburo sólido de morro esférico de 2 ranuras

Fresado de ranuras y chavetas a la medida en un solo corte. Diseñado para operaciones de inmersión y contorneado. Genera un radio en la parte inferior del corte.

RU Цельные твердосплавные 2-х перые концевые фрезы со сферическим торцом
Для фрезерования шпоночных пазов и уступов одной врезкой. Конструкция позволяет осуществлять врезание под углом и вырезать контуры. Делает радиус в нижней части выреза.



P								M				K				Ti			Ni			Cu				N				Syn		
1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3
●	●	●	●	●				○	○	○		●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

d	l2	l1	d1	Code	
				Coated	Uncoated
3	19	57	3	03N0300X	03N0300
4	19	57	4	03N0400X	03N0400
5	25	64	5	03N0500X	03N0500
6	28	76	6	03N0600X	03N0600
8	29	76	8	03N0800X	03N0800
10	32	102	10	03N1000X	03N1000

d	l2	l1	d1	Code	
				Coated	Uncoated
12	51	102	12	03N1200X	03N1200
14	57	127	14	03N1400X	03N1400
16	57	127	16	03N1600X	03N1600
18	57	127	18	03N1800X	03N1800
20	57	127	20	03N2000X	03N2000

Code
03P

Properties		
mm	WORKS STD.	SOLID CARBIDE
	TYPE N	
	30°	Z 4
	COATED	UNCOATED

Cutting Data	
pg 108-109	

EN Solid Carbide 4 Flute Ball Nose End Mills

For profile milling.

FR Fraises 4 goujures bout Hémisphérique en Carbure Monobloc

Pour le fraisage de forme.

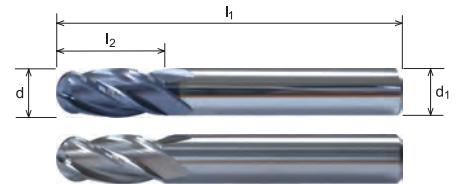
DE Vollhartmetall-Schaftfräser, 4-schneidig, Kugelkopf

Für das Profilfräsen.

ES Fresas de forma de carburo sólido de morro esférico de 4 ranuras

Para fresar perfiles.

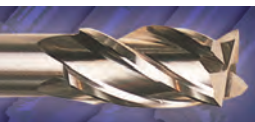
RU Цельные твердосплавные 4-х перые концевые фрезы со сферическим торцом
Для фрезерования уступов.



P								M				K				Ti			Ni			Cu				N				Syn		
1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.4	3.1	3.2	3.3	3.4	4.1	4.2	4.3	5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	7.4	8.1	8.2	8.3
●	●	●	●	●				○	○	○		●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

d	l2	l1	d1	Code	
				Coated	Uncoated
1	3	39	3	03P0100X	03P0100
1.5	5	39	3	03P0150X	03P0150
2	7	39	3	03P0200X	03P0200
2.5	7	39	3	03P0250X	03P0250
3	9	39	3	03P0300X	03P0300
4	11	57	6	03P0400X	03P0400
5	13	57	6	03P0500X	03P0500
6	13	57	6	03P0600X	03P0600

d	l2	l1	d1	Code	
				Coated	Uncoated
8	19	63	8	03P0800X	03P0800
10	22	72	10	03P1000X	03P1000
12	26	83	12	03P1200X	03P1200
14	26	83	14	03P1400X	03P1400
16	32	92	16	03P1600X	03P1600
18	32	96	18	03P1800X	03P1800
20	38	104	20	03P2000X	03P2000



MILLING CUTTERS



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