



423 602 METAL DURO INTEGRAL | NORMA FABRICA | Z=2

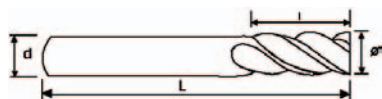


APLICACIONES



ACEROS < 200 N/mm²
FUNDICIÓN < 800 N/mm²

Fresa Frontal. Mango Cilíndrico.



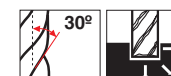
Ø	€	L	l	d
2	12,85	39	3	7
2,5	14,56	39	3	7
3	12,85	39	3	9
3,5	15,42	51	4	12
4	15,42	51	4	14
4,5	18,16	51	5	14

Ø	€	L	l	d
5	18,16	51	5	16
6	21,40	64	6	19
7	28,95	64	8	19
8	32,38	64	8	21
9	44,37	70	10	22
10	44,37	70	10	22

Ø	€	L	l	d
11	52,59	70	11	25
12	59,95	76	12	25
14	77,08	89	14	30
16	94,21	89	16	32
18	140,63	102	18	35
20	159,29	102	20	38



423 603 METAL DURO INTEGRAL | NORMA FABRICA | Z=3

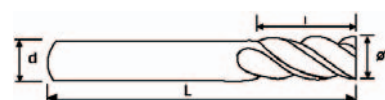


APLICACIONES



ACEROS < 200 N/mm²
FUNDICIÓN < 800 N/mm²

Fresa Frontal. Mango Cilíndrico.



Ø	€	L	l	d
2	14,56	39	3	7
2,5	14,56	39	3	7
3	14,56	39	3	9
3,5	16,45	51	4	12
4	16,45	51	4	14
4,5	18,16	51	5	14

Ø	€	L	l	d
5	18,16	51	5	16
6	22,10	64	6	19
7	32,38	64	8	19
8	32,38	64	8	21
9	46,08	70	10	22
10	46,08	70	10	22

Ø	€	L	l	d
11	52,59	70	11	25
12	59,95	76	12	25
14	80,50	89	14	30
16	95,91	89	16	32
18	145,59	102	18	35
20	169,75	102	20	38



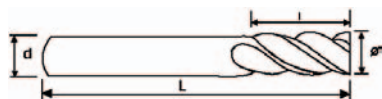
423 602 METAL DURO INTEGRAL | NORMA FABRICA | Z=2

APLICACIONES



ACEROS < 200 N/mm²
FUNDICIÓN < 800 N/mm²

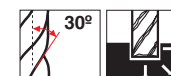
Fresa Frontal. Mango Cilíndrico.



Ø	€	L	l	d
2	12,85	39	3	7
2,5	14,56	39	3	7
3	12,85	39	3	9
3,5	15,42	51	4	12
4	15,42	51	4	14
4,5	18,16	51	5	14

Ø	€	L	l	d
5	18,16	51	5	16
6	21,40	64	6	19
7	28,95	64	8	19
8	32,38	64	8	21
9	44,37	70	10	22
10	44,37	70	10	22

Ø	€	L	l	d
11	52,59	70	11	25
12	59,95	76	12	25
14	77,08	89	14	30
16	94,21	89	16	32
18	140,63	102	18	35
20	159,29	102	20	38



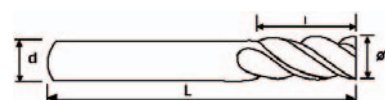
423 603 METAL DURO INTEGRAL | NORMA FABRICA | Z=3

APLICACIONES



ACEROS < 200 N/mm²
FUNDICIÓN < 800 N/mm²

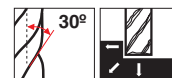
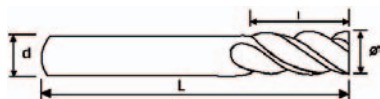
Fresa Frontal. Mango Cilíndrico.



Ø	€	L	l	d
2	14,56	39	3	7
2,5	14,56	39	3	7
3	14,56	39	3	9
3,5	16,45	51	4	12
4	16,45	51	4	14
4,5	18,16	51	5	14

Ø	€	L	l	d
5	18,16	51	5	16
6	22,10	64	6	19
7	32,38	64	8	19
8	32,38	64	8	21
9	46,08	70	10	22
10	46,08	70	10	22

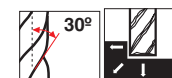
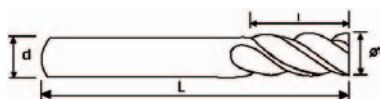
Ø	€	L	l	d
11	52,59	70	11	25
12	59,95	76	12	25
14	80,50	89	14	30
16	95,91	89	16	32
18	145,59	102	18	35
20	169,75	102	20	38


423 604 METAL DURO INTEGRAL | NORMA FABRICA | Z=4

APLICACIONES
I II IV
ACEROS < 200 N/mm²
FUNDICIÓN < 800 N/mm²
Fresa Frontal. Mango Cilíndrico.


Ø	€	L	l	d
2	12,85	39	3	7
2,5	14,56	39	3	7
3	12,85	39	3	9
3,5	15,42	51	4	12
4	15,42	51	4	14
4,5	18,16	51	5	14

Ø	€	L	l	d
5	18,16	51	5	16
6	21,40	64	6	19
7	28,95	64	8	19
8	32,38	64	8	21
9	44,37	70	10	22
10	44,37	70	10	22

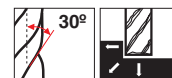
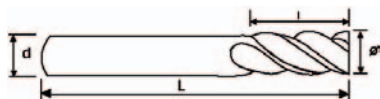
Ø	€	L	l	d
11	52,59	70	11	25
12	59,95	76	12	25
14	77,08	89	14	30
16	94,21	89	16	32
18	140,63	102	18	35
20	159,29	102	20	38


423 605 METAL DURO INTEGRAL | NORMA FABRICA | TIPO NR | Z=4

APLICACIONES
I II IV
ACEROS < 200 N/mm²
FUNDICIÓN < 800 N/mm²
Fresa Frontal. Mango Cilíndrico.


Ø	€	L	l	d
3	32,55	39	3	9
4	32,55	51	4	14
5	32,55	51	5	16
6	38,54	64	6	19

Ø	€	L	l	d
8	47,11	64	8	21
10	62,01	70	10	22
12	70,58	76	12	25
14	96,09	89	14	30

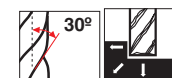
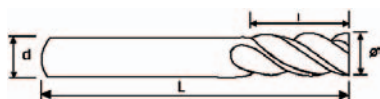
Ø	€	L	l	d
16	150,05	89	16	32
18	162,72	102	18	35
20	204,17	102	20	38


423 604 METAL DURO INTEGRAL | NORMA FABRICA | Z=4
APLICACIONES
I II IV
ACEROS < 200 N/mm²
FUNDICIÓN < 800 N/mm²
Fresa Frontal. Mango Cilíndrico.


Ø	€	L	l	d
2	12,85	39	3	7
2,5	14,56	39	3	7
3	12,85	39	3	9
3,5	15,42	51	4	12
4	15,42	51	4	14
4,5	18,16	51	5	14

Ø	€	L	l	d
5	18,16	51	5	16
6	21,40	64	6	19
7	28,95	64	8	19
8	32,38	64	8	21
9	44,37	70	10	22
10	44,37	70	10	22

Ø	€	L	l	d
11	52,59	70	11	25
12	59,95	76	12	25
14	77,08	89	14	30
16	94,21	89	16	32
18	140,63	102	18	35
20	159,29	102	20	38


423 605 METAL DURO INTEGRAL | NORMA FABRICA | TIPO NR | Z=4
APLICACIONES
I II IV
ACEROS < 200 N/mm²
FUNDICIÓN < 800 N/mm²
Fresa Frontal. Mango Cilíndrico.


Ø	€	L	l	d
3	32,55	39	3	9
4	32,55	51	4	14
5	32,55	51	5	16
6	38,54	64	6	19

Ø	€	L	l	d
8	47,11	64	8	21
10	62,01	70	10	22
12	70,58	76	12	25
14	96,09	89	14	30

Ø	€	L	l	d
16	150,05	89	16	32
18	162,72	102	18	35
20	204,17	102	20	38