

PROMOÇÃO | PROMOCIONES | PROMOTIONS
RUKO

2018



Brocas helicoidais DIN 338 tipo VA, HSSE-Co 5
Brocas espirales DIN 338 tipo VA, HSSE-Co 5
Foret DIN 338 type VA, HSSE-Co 5



Unidade de venda: em embalagens de plástico
Unidad de empaquetado: envases de plástico
Unité d'emballage: en emballage plastique

Aço, Acero, Aciers (N/mm2) < 900	■	Latão, Latón, Cuivre	■
Aço, Acero, Aciers (N/mm2) < 1100	■	Bronze, Bronce, Bronze	□
Aço, Acero, Aciers (N/mm2) < 1300		Materiais sintéticos, Plásticos, Plastiques	■
Aço inox, Acero inoxidable, Aciers inoxydables	■	Ferro fundido, Hierro fundido, Fontes	□
Alumínio, Aluminio, Alu	■	Liga de titânio, Titanio aleado, Alliages au titane	



Ø mm	L1 mm	L2 mm	HSSE Co 5		€
1,00	34,0	12,0	R215010	10	0,98 €
1,25	38,0	16,0	R2150125	10	0,92 €
1,50	40,0	18,0	R215015	10	0,87 €
1,75	46,0	22,0	R2150175	10	0,92 €
2,00	49,0	24,0	R215020	10	0,76 €
2,25	53,0	27,0	R2150225	10	0,76 €
2,50	57,0	30,0	R215025	10	0,78 €
2,75	61,0	33,0	R2150275	10	0,82 €
3,00	61,0	33,0	R215030	10	0,80 €
3,25	65,0	36,0	R2150325	10	0,87 €
3,50	70,0	39,0	R215035	10	0,98 €
3,75	70,0	39,0	R2150375	10	1,03 €
4,00	75,0	43,0	R215040	10	1,03 €
4,25	75,0	43,0	R2150425	10	1,19 €
4,50	80,0	47,0	R215045	10	1,19 €
4,75	80,0	47,0	R2150475	10	1,21 €
5,00	86,0	52,0	R215050	10	1,21 €
5,25	86,0	52,0	R2150525	10	1,30 €
5,50	93,0	57,0	R215055	10	1,65 €
5,75	93,0	57,0	R2150575	10	1,74 €
6,00	93,0	57,0	R215060	10	1,69 €
6,25	101,0	63,0	R2150625	10	1,94 €
6,50	101,0	63,0	R215065	10	1,94 €
6,75	101,0	63,0	R2150675	10	2,24 €
7,00	109,0	69,0	R215070	10	2,08 €

Ø mm	L1 mm	L2 mm	HSSE Co 5		€
7,25	109,0	69,0	R2150725	10	2,70 €
7,50	109,0	69,0	R215075	10	2,70 €
7,75	117,0	75,0	R2150775	10	3,11 €
8,00	117,0	75,0	R215080	10	3,11 €
8,25	117,0	75,0	R2150825	10	3,27 €
8,50	117,0	75,0	R215085	10	3,27 €
8,75	125,0	81,0	R2150875	10	3,98 €
9,00	125,0	81,0	R215090	10	3,73 €
9,25	125,0	81,0	R2150925	10	4,60 €
9,50	125,0	81,0	R215095	10	4,14 €
9,75	133,0	87,0	R2150975	10	4,90 €
10,00	133,0	87,0	R215100	10	4,35 €
10,50	133,0	87,0	R215105	5	5,01 €
11,00	142,0	94,0	R215110	5	6,22 €
11,50	142,0	94,0	R215115	5	7,28 €
12,00	151,0	101,0	R215120	5	7,57 €
12,50	151,0	101,0	R215125	5	9,36 €
13,00	151,0	101,0	R215130	5	10,41 €
13,50	160,0	108,0	R215135	5	10,30 €
14,00	160,0	108,0	R215140	5	11,10 €
14,50	169,0	114,0	R215145	5	13,71 €
15,00	169,0	114,0	R215150	5	16,43 €
15,50	178,0	120,0	R215155	5	18,67 €
16,00	178,0	120,0	R215160	5	21,33 €





Brocas helicoidais DIN 338 tipo N, HSS-G + HSS-R

Brocas espirales DIN 338 tipo N, HSS-G + HSS-R





Foret DIN 338 type N, HSS-G + HSS-R laminé







Unidade de venda: em embalagens de plástico
Unidad de empaquetado: envases de plástico
Unité d'emballage: en emballage plastique

Aço, Acero, Aciers (N/mm2) < 900		
Aço, Acero, Aciers (N/mm2) < 1100		
Aço, Acero, Aciers (N/mm2) < 1300		
Aço inox, Acero inoxidable, Aciers inoxydables		
Alumínio, Aluminio, Alu		

Latão, Latón, Cuivre		
Bronze, Bronze, Bronze		
Materiais sintéticos, Plásticos, Plastiques		
Ferro fundido, Hierro fundido, Fontes		
Liga de titânio, Titanio aleado, Alliages au titane		

Ø mm	L1 mm	L2 mm	 		
1,00	34,0	12,0	R214010	10	0,39 €
1,25	38,0	16,0	R2140125	10	0,39 €
1,50	40,0	18,0	R214015	10	0,39 €
1,75	46,0	22,0	R2140175	10	0,39 €
2,00	49,0	24,0	R214020	10	0,39 €
2,25	53,0	27,0	R2140225	10	0,50 €
2,50	57,0	30,0	R214025	10	0,43 €
2,75	61,0	33,0	R2140275	10	0,50 €
3,00	61,0	33,0	R214030	10	0,43 €
3,25	65,0	36,0	R2140325	10	0,62 €
3,50	70,0	39,0	R214035	10	0,50 €
3,75	70,0	39,0	R2140375	10	0,76 €
4,00	75,0	43,0	R214040	10	0,57 €
4,25	75,0	43,0	R2140425	10	0,80 €
4,50	80,0	47,0	R214045	10	0,69 €
4,75	80,0	47,0	R2140475	10	0,85 €
5,00	86,0	52,0	R214050	10	0,78 €
5,25	86,0	52,0	R2140525	10	0,94 €
5,50	93,0	57,0	R214055	10	0,92 €
5,75	93,0	57,0	R2140575	10	1,17 €
6,00	93,0	57,0	R214060	10	0,98 €
6,25	101,0	63,0	R2140625	10	1,42 €
6,50	101,0	63,0	R214065	10	1,24 €
6,75	101,0	63,0	R2140675	10	1,97 €
7,00	109,0	69,0	R214070	10	1,44 €
7,25	109,0	69,0	R2140725	10	2,08 €
7,50	109,0	69,0	R214075	10	1,53 €
7,75	117,0	75,0	R2140775	10	2,22 €
8,00	117,0	75,0	R214080	10	1,76 €
8,25	117,0	75,0	R2140825	10	2,38 €
8,50	117,0	75,0	R214085	10	1,94 €
8,75	125,0	81,0	R2140875	10	3,64 €
9,00	125,0	81,0	R214090	10	2,27 €
9,25	125,0	81,0	R2140925	10	3,68 €
9,50	125,0	81,0	R214095	10	2,49 €
9,75	133,0	87,0	R2140975	10	3,96 €
10,00	133,0	87,0	R214100	10	3,36 €
10,50	133,0	87,0	R214105	5	3,36 €
11,00	142,0	94,0	R214110	5	3,96 €
11,50	142,0	94,0	R214115	5	4,23 €
12,00	151,0	101,0	R214120	5	4,60 €
12,50	151,0	101,0	R214125	5	5,01 €
13,00	151,0	101,0	R214130	5	5,58 €
13,50	160,0	108,0	R214135	5	5,63 €
14,00	160,0	108,0	R214140	5	9,56 €
14,50	169,0	114,0	R214145	5	11,12 €
15,00	169,0	114,0	R214150	5	11,97 €
15,50	178,0	120,0	R214155	5	12,33 €
16,00	178,0	120,0	R214160	5	14,76 €

Ø mm	L1 mm	L2 mm				
1,00	34,0	12,0	R201010	10	0,16 €	
1,25	38,0	16,0	R2010125	10	0,32 €	
1,50	40,0	18,0	R201015	10	0,16 €	
1,75	46,0	22,0	R2010175	10	0,32 €	
2,00	49,0	24,0	R201020	10	0,16 €	
2,25	53,0	27,0	R2010225	10	0,27 €	
2,50	57,0	30,0	R201025	10	0,18 €	
2,75	61,0	33,0	R2010275	10	0,30 €	
3,00	61,0	33,0	R201030	10	0,18 €	
3,25	65,0	36,0	R2010325	10	0,39 €	
3,50	70,0	39,0	R201035	10	0,23 €	
3,75	70,0	39,0	R2010375	10	0,39 €	
4,00	75,0	43,0	R201040	10	0,27 €	
4,25	75,0	43,0	R2010425	10	0,50 €	
4,50	80,0	47,0	R201045	10	0,30 €	
4,75	80,0	47,0	R2010475	10	0,55 €	
5,00	86,0	52,0	R201050	10	0,32 €	
5,25	86,0	52,0	R2010525	10	0,69 €	
5,50	93,0	57,0	R201055	10	0,39 €	
5,75	93,0	57,0	R2010575	10	0,71 €	
6,00	93,0	57,0	R201060	10	0,39 €	
6,25	101,0	63,0	R2010625	10	0,82 €	
6,50	101,0	63,0	R201065	10	0,46 €	
6,75	101,0	63,0	R2010675	10	0,96 €	
7,00	109,0	69,0	R201070	10	0,59 €	
7,25	109,0	69,0	R2010725	10	0,96 €	
7,50	109,0	69,0	R201075	10	0,66 €	
7,75	117,0	75,0	R2010775	10	1,19 €	
8,00	117,0	75,0	R201080	10	0,76 €	
8,25	117,0	75,0	R2010825	10	1,21 €	
8,50	117,0	75,0	R201085	10	0,80 €	
8,75	125,0	81,0	R2010875	10	1,40 €	
9,00	125,0	81,0	R201090	10	0,85 €	
9,25	125,0	81,0	R2010925	10	1,53 €	
9,50	125,0	81,0	R201095	10	1,03 €	
9,75	133,0	87,0	R2010975	10	1,69 €	
10,00	133,0	87,0	R201100	10	1,14 €	
10,50	133,0	87,0	R201105	5	1,35 €	
11,00	142,0	94,0	R201110	5	1,60 €	
11,50	142,0	94,0	R201115	5	1,65 €	
12,00	151,0	101,0	R201120	5	1,81 €	
12,50	151,0	101,0	R201125	5	1,99 €	
13,00	151,0	101,0	R201130	5	2,06 €	
13,50	160,0	108,0	R201135	5	2,38 €	
14,00	160,0	108,0	R201140	5	2,38 €	
14,50	169,0	114,0	R201145	5	2,70 €	
15,00	169,0	114,0	R201150	5	2,70 €	
15,50	178,0	120,0	R201155	5	3,39 €	
16,00	178,0	120,0	R201160	5	3,65 €	

Brocas helicoidais DIN 345 tipo N, HSS
Brocas espirales DIN 345 tipo N, HSS
Foret DIN 345 type N, HSS

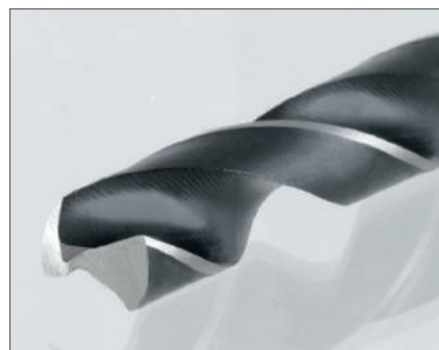


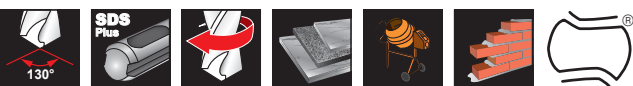
Unidade de venda: em embalagens de plástico
Unidad de empaquetado: envases de plástico
Unité d'emballage: en emballage plastique

Ø1 mm	L1 mm	L2 mm		HSS		€
20,00	238,0	140,0	2	R204200	1	15,45 €
20,50	243,0	145,0	2	R204205	1	17,94 €
21,00	243,0	145,0	2	R204210	1	17,94 €
21,50	248,0	150,0	2	R204215	1	19,22 €
22,00	248,0	150,0	2	R204220	1	19,22 €
22,50	253,0	155,0	2	R204225	1	21,01 €
23,00	253,0	155,0	2	R204230	1	21,01 €
23,50	276,0	155,0	3	R204235	1	23,66 €
24,00	281,0	160,0	3	R204240	1	25,03 €
24,50	281,0	160,0	3	R204245	1	25,81 €
25,00	281,0	160,0	3	R204250	1	26,38 €
25,50	286,0	165,0	3	R204255	1	28,60 €
26,00	286,0	165,0	3	R204260	1	29,08 €
26,50	286,0	165,0	3	R204265	1	29,08 €
27,00	291,0	170,0	3	R204270	1	30,52 €
27,50	291,0	170,0	3	R204275	1	30,91 €
28,00	291,0	170,0	3	R204280	1	30,91 €
28,50	296,0	175,0	3	R204285	1	32,68 €
29,00	296,0	175,0	3	R204290	1	33,09 €
29,50	296,0	175,0	3	R204295	1	35,79 €
30,00	296,0	175,0	3	R204300	1	35,79 €
30,50	301,0	180,0	3	R204305	1	38,44 €
31,00	301,0	180,0	3	R204310	1	40,62 €
31,50	301,0	180,0	3	R204315	1	40,62 €
32,00	334,0	185,0	4	R204320	1	48,72 €
32,50	334,0	185,0	4	R204325	1	48,72 €
33,00	334,0	185,0	4	R204330	1	51,35 €
33,50	334,0	185,0	4	R204335	1	51,35 €
34,00	339,0	190,0	4	R204340	1	54,57 €
34,50	339,0	190,0	4	R204345	1	59,45 €
35,00	339,0	190,0	4	R204350	1	59,45 €
35,50	339,0	190,0	4	R204355	1	61,73 €
36,00	344,0	195,0	4	R204360	1	64,39 €
36,50	344,0	195,0	4	R204365	1	66,20 €
37,00	344,0	195,0	4	R204370	1	69,86 €
37,50	344,0	195,0	4	R204375	1	69,86 €
38,00	349,0	200,0	4	R204380	1	71,92 €
38,50	349,0	200,0	4	R204385	1	76,91 €
39,00	349,0	200,0	4	R204390	1	76,91 €
39,50	349,0	200,0	4	R204395	1	79,95 €
40,00	349,0	200,0	4	R204400	1	79,95 €
41,00	354,0	205,0	4	R204410	1	88,05 €
41,50	354,0	205,0	4	R204415	1	90,25 €
42,00	354,0	205,0	4	R204420	1	92,58 €
42,50	354,0	205,0	4	R204425	1	94,30 €
43,00	359,0	210,0	4	R204430	1	95,65 €
43,50	359,0	210,0	4	R204435	1	98,92 €
44,00	359,0	210,0	4	R204440	1	98,92 €
44,50	359,0	210,0	4	R204445	1	101,62 €
45,00	359,0	210,0	4	R204450	1	103,88 €
45,50	364,0	215,0	4	R204455	1	103,88 €
46,00	364,0	215,0	4	R204460	1	107,04 €
46,50	364,0	215,0	4	R204465	1	112,42 €
47,00	364,0	215,0	4	R204470	1	112,42 €
47,50	364,0	215,0	4	R204475	1	115,10 €
48,00	369,0	220,0	4	R204480	1	116,51 €
48,50	369,0	220,0	4	R204485	1	121,96 €
49,00	369,0	220,0	4	R204490	1	121,96 €
49,50	369,0	220,0	4	R204495	1	125,99 €
50,00	369,0	220,0	4	R204500	1	162,62 €



Aço, Acero, Aciers (N/mm2) < 900	■
Aço, Acero, Aciers (N/mm2) < 1100	
Aço, Acero, Aciers (N/mm2) < 1300	
Aço inox, Acero inoxidable, Aciers inoxydables	
Alumínio, Aluminio, Alu	■
Latão, Latón, Cuivre	■
Bronze, Bronze, Bronze	□
Materiais sintéticos, Plásticos, Plastiques	■
Ferro fundido, Hierro fundido, Fontes	□
Liga de titânio, Titanio aleado, Alliages au titane	



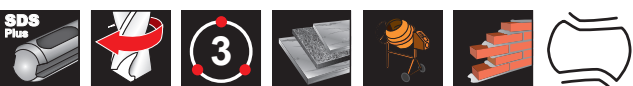


Brocas de percussão SDS-plus Brocas percutoras SDS-plus Forets pour marteaux perforateurs SDS-plus



Unidade de venda: com clip SB
Unidad de empaquetado: envase individual
Unité d'emballage: avec clip libre service

Ø mm	Ø inch	L1 mm	L2 mm			€
3,5	9/64	110,0	50,0	R211035	1	6,06 €
4,0	5/32	110,0	50,0	R211040	1	4,12 €
4,0	5/32	160,0	100,0	R211041	1	5,65 €
5,0	3/16	110,0	50,0	R211050	1	2,52 €
5,0	3/16	160,0	100,0	R211051	1	2,84 €
6,0	15/64	110,0	50,0	R211060	1	2,29 €
6,0	15/64	160,0	100,0	R211061	1	2,65 €
8,0	5/16	110,0	50,0	R211080	1	2,70 €
8,0	5/16	160,0	100,0	R211081	1	2,95 €
10,0	3/8	110,0	50,0	R211105	1	3,43 €
10,0	3/8	160,0	100,0	R211100	1	4,26 €
10,0	3/8	210,0	150,0	R211101	1	5,26 €
10,0	3/8	260,0	200,0	R211102	1	3,25 €
12,0	15/32	160,0	100,0	R211120	1	4,30 €
12,0	15/32	210,0	150,0	R211122	1	5,29 €
12,0	15/32	260,0	200,0	R211121	1	6,18 €



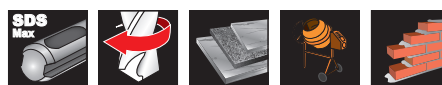
Brocas de percussão SDS-plus para betão Brocas para martillos SDS-plus 3 labios Forets pour marteaux perforateurs à béton



Unidade de venda: individual em embalagens de plástico
Unidad de empaquetado: envases individuales de plástico
Unité d'emballage: à l'unité sous emballage plastique

Ø mm	Ø inch	L1 mm	L2 mm			€
16,0	5/8	250,0	200,0	R224161	1	28,46 €
16,0	5/8	450,0	* 400,0	R224160	1	33,52 €
18,0	11/16	250,0	200,0	R224180	1	33,98 €
18,0	11/16	450,0	* 400,0	R224181	1	35,08 €
20,0	25/32	450,0	* 400,0	R224201	1	40,41 €
22,0	7/8	450,0	* 400,0	R224220	1	58,23 €
24,0	15/16	450,0	* 400,0	R224240	1	62,92 €
25,0	63/64	450,0	* 400,0	R224250	1	74,37 €
28,0	1 1/8	450,0	* 400,0	R224280	1	73,27 €
30,0	1 3/16	450,0	* 400,0	R224300	1	78,83 €

* Com martelos de perfuração mais curtos perfurar preli minarmente cerca de 150,0 mm.
* Percer un avant-trou d'environ 150,0 mm à l'aide d'un foret marteau plus court.
* Abrir agujero aprox. 150,0 mm con broca de percusión más corta.



Brocas de percussão SDS-max para betão Broca para martillo SDS-max Forets pour marteaux perforateurs à béton



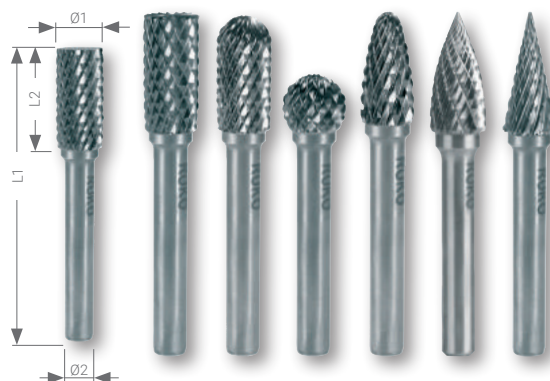
Unidade de venda: individual em embalagens de plástico
Unidad de empaquetado: envases individuales de plástico
Unité d'emballage: à l'unité sous emballage plastique

Ø mm	Ø inch	L1 mm	L2 mm			€
12,0	15/32	340,0	200,0	R225120	1	45,12 €
12,0	15/32	540,0	* 400,0	R225121	1	52,12 €
14,0	9/16	340,0	200,0	R225140	1	49,74 €
14,0	9/16	540,0	* 400,0	R225141	1	63,82 €
15,0	19/32	340,0	200,0	R225150	1	49,74 €
15,0	19/32	540,0	* 400,0	R225151	1	65,03 €
16,0	5/8	340,0	200,0	R225160	1	51,48 €
16,0	5/8	540,0	* 400,0	R225161	1	51,62 €
18,0	11/16	340,0	200,0	R225180	1	51,85 €
18,0	11/16	540,0	* 400,0	R225181	1	69,31 €
18,0	11/16	940,0	* 800,0	R225182	1	86,90 €
20,0	25/32	320,0	200,0	R225200	1	55,05 €
20,0	25/32	520,0	* 400,0	R225201	1	69,93 €
20,0	25/32	920,0	* 800,0	R225202	1	86,36 €
22,0	7/8	320,0	200,0	R225220	1	59,68 €
22,0	7/8	520,0	* 400,0	R225221	1	72,51 €
22,0	7/8	920,0	* 800,0	R225222	1	95,44 €
24,0	15/16	320,0	200,0	R225240	1	58,51 €
24,0	15/16	520,0	* 400,0	R225241	1	73,31 €
25,0	63/64	320,0	200,0	R225250	1	60,32 €
25,0	63/64	520,0	* 400,0	R225251	1	74,00 €
25,0	63/64	920,0	* 800,0	R225252	1	114,82 €
25,0	93/64	1320,0	* 1200,0	R225253	1	180,33 €
28,0	1 1/8	520,0	400,0	R225281	1	83,15 €
32,0	1 17/64	920,0	* 800,0	R225322	1	85,01 €
32,0	1 17/64	1320,0	* 1200,0	R225323	1	125,41 €
35,0	1 3/8	520,0	400,0	R225351	1	227,35 €
40,0	1 37/64	920,0	* 800,0	R225402	1	193,76 €
40,0	1 37/64	1320,0	* 1200,0	R225403	1	287,07 €

Pinos para fresar de metal duro, DIN 8033
Fresa de metal duro, DIN 8033
Fraises limes carbure, DIN 8033



Unidade de venda: em embalagens de plástico
Unidad de empaquetado: envases de plástico
Unité d'emballage: en emballage plastique



Aço, Acero, Aciers (N/mm2) < 900	
Aço, Acero, Aciers (N/mm2) < 1100	
Aço, Acero, Aciers (N/mm2) < 1300	
Aço inox, Acero inoxidable, Aciers inoxydables	
Alumínio, Aluminio, Alu	
Latão, Latón, Cuivre	
Bronze, Bronce, Bronze	
Materiais sintéticos, Plásticos, Plastiques	
Ferro fundido, Hierro fundido, Fontes	
Liga de titânio, Titanio aleado, Alliages au titane	

F

RBF



Forma F semicircular
Forma F de arco con cabeza redonda
Forme F ogive bout rond

Ø1 mm	L2 mm	L1 mm	Ø2 mm			
6,0	18,0	58,0	6,0	R116030	1	17,80 €
10,0	20,0	60,0	6,0	R116032	1	19,13 €
12,0	25,0	65,0	6,0	R116033	1	28,26 €

A

ZYA



Forma A cilíndrica sem dentes de topo
Forma A cilindro sin dentado frontal
Forme A cylindrique à bout plat et lisse

C

WRC



Forma C redondo
Forma C cilíndrica con cabeza redonda
Forme C cylindrique bout rond

Ø1 mm	L2 mm	L1 mm	Ø2 mm			
6,0	18,0	58,0	6,0	R116010	1	13,87 €
8,0	18,0	60,0	6,0	R116011	1	16,41 €
10,0	20,0	60,0	6,0	R116012	1	19,54 €
12,0	25,0	65,0	6,0	R116013	1	26,57 €

Ø1 mm	L2 mm	L1 mm	Ø2 mm			
6,0	18,0	56,0	6,0	R116020	1	17,21 €
8,0	18,0	60,0	6,0	R116021	1	17,34 €
10,0	20,0	60,0	6,0	R116022	1	18,65 €
12,0	25,0	65,0	6,0	R116023	1	27,80 €

B

ZYAS



Forma B cilíndrica com dentes de topo
Forma B cilindro con dentado frontal
Forme B cylindrique avec coupe en bout

G

SPG



Forma G ojiva
Forma G de arco con cabeza puntiaguda
Forme G ogive bout pointu

Ø1 mm	L2 mm	L1 mm	Ø2 mm			
10,0	20,0	60,0	6,0	R116017	1	20,02 €
12,0	25,0	65,0	6,0	R116018	1	28,26 €

Ø1 mm	L2 mm	L1 mm	Ø2 mm			
10,0	20,0	60,0	6,0	R116027	1	18,19 €
12,0	25,0	65,0	6,0	R116028	1	18,99 €

M

KEL



Forma M cone pontiagudo
Forma M cono en punta
Forme M conique à bout pointu

D

KUD



Forma D esfera
Forma D esfera
Forme D sphérique

Ø1 mm	L2 mm	L1 mm	Ø2 mm			
12,0	25,0	65,0	6,0	R116038	1	23,22 €

Ø1 mm	L2 mm	L1 mm	Ø2 mm			
12,0	11,0	51,0	6,0	R116044	1	18,88 €

Metais duros pinos para fresar módulo em prático expositor de vendas
Módulo de fresas de metal duro en un práctico expositor de venta
Assortiments de fraises limes, en présentoir plexi avec serrure

	TC		€
<p>Metais duros pinos para fresar módulo num prático expositor de vendas 1 x Ø D1 6,0 mm + 8,0 mm + 10,0 mm + 12,0 mm + 16,0 mm Forma A, B, C, G, F, D, M</p> <p>Módulo de fresas de metal duro en un práctico expositor de venta 1 x Ø D1 6,0 mm + 8,0 mm + 10,0 mm + 12,0 mm + 16,0 mm Forma A, B, C, G, F, D, M</p> <p>Assortiment de fraises limes carbure dans présentoir de comptoir 1 x Ø D1 6,0 mm + 8,0 mm + 10,0 mm + 12,0 mm + 16,0 mm Limes A, B, C, G, F, D, M</p>	R116008		560,96 €

35

tig./pcs.



Jogos de pinos para fresar de metal duro em caixa industrial
Juegos de fresas de metal duro en estuche industrial
Assortiments de fraises limes denture croisée en coffret métallique

	TC		€
<p>Jogo de pinos para fresar de metal duro 10 peças Ø D1 10,0 / 12,0 mm - Forma A, C, G, F Ø D1 12,0 mm - Forma D, M</p> <p>Juego de fresas de metal duro de 10 piezas Ø D1 10,0 / 12,0 mm - Forma A, C, G, F Ø D1 12,0 mm - Forma D, M</p> <p>Assortiment de 10 fraises limes carbure, denture croisée Ø D1 10,0 / 12,0 mm - Limes A, C, G, F Ø D1 12,0 mm - Limes D, M</p>	R116003		221,95 €

10

tig./pcs.



Jogos de pinos para fresar de metal duro em caixas de plástico
Juegos de fresas de metal duro en estuche plastico
Assortiments de fraises limes, en coffret plastique

	TC		€
<p>Jogo de pinos para fresar de metal duro 10 peças Ø D1 10,0 / 12,0 mm - Forma A, C, G, F Ø D1 12,0 mm - Forma D, M</p> <p>Juego de fresas de metal duro de 10 piezas Ø D1 10,0 / 12,0 mm - Forma A, C, G, F Ø D1 12,0 mm - Forma D, M</p> <p>Assortiment de 10 fraises limes carbure, denture croisée Ø D1 10,0 / 12,0 mm - Limes A, C, G, F Ø D1 12,0 mm - Limes D, M</p>	R116003RO		272,56 €

10

tig./pcs.





Conjunto de rectificador a ar comprimido com conector de acoplamento,
incluindo conjunto de fresas em caixa de plástico

Juego de amoladora neumática con ficha de acoplamiento inclusive juego de pinos en estuche de plástico
Meuleuse droite avec assortiment de fraises limes carbure en mallette en plastique

	TC		€
1 Rectificador a ar comprimido + Jogo de pinos para fresar de metal duro 3 peças em mini caixa 1 x Ø D1 10,0 mm - B, D, G + Conector de acoplamento para rectificador a ar comprimido 1 amoladora neumática + Juego de fresas de metal duro de 3 piezas en mini-caja Ø D1 10,0 mm 1 x Ø D1 10,0 mm - B, D, G + ficha de acoplamiento macho para amoladora neumática 1 meuleuse pneumatique + Assortiment de 3 fraises limes carbure Ø 10,0 mm en mini-box 1 x Ø D1 10,0 mm - B, D, G + Raccord mâle pour meuleuse pneumatique	R116113	104,40 €	



Jogos de brocas escalonadas HSS em caixas industriais
Juegos de brocas escalonadas HSS en estuche industrial
Jeux de forets étagés HSS en coffret métallique

	HSS		€
Jogo de brocas escalonadas tamanhos 0/9, 1, 2 Juego de brocas escalonadas en los tamaños 0/9, 1, 2 Assortiment de 3 forets étagés, goujures hélicoïdales, dans les tailles 0/9, 1, 2	R101026	98,16 €	



Jogo de brocas escalonadas HSS em mini caixa
Juego de brocas escalonadas HSS en mini-caja
Jeux de forets étagés HSS en mini-box

	HSS		€
Jogo de brocas escalonadas tamanhos 0/9, 1, 2 Juego de brocas escalonadas en los tamaños 0/9, 1, 2 Assortiment forets étagés, goujures hélicoïdales, dans les tailles 0/9, 1, 2	RA101032	86,47 €	

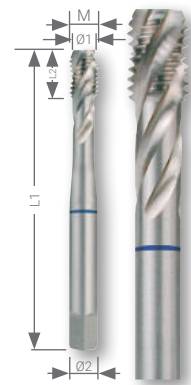








Macho de máquina de abrir roscas M DIN 371/376 HSS, rectificado
Machos de roscar para máquinas M DIN 371/376 HSS rectificados
Taraud machine hélicoïdal DIN 371/376, pas métrique HSS, rectifié



Unidade de venda: individual em embalagens de plástico
Unidad de empaquetado: envases individuales de plástico
Unité d'emballage: à l'unité sous emballage plastique



M	Passo mm	Ø1 mm	L1 mm	L2 mm	Ø2 mm	 		
M 3	0,50	2,50	56,0	5,0	3,5	R234030	1	8,05 €
M 4	0,70	3,30	63,0	7,0	4,5	R234040	1	8,05 €
M 5	0,80	4,20	70,0	8,0	6,0	R234050	1	8,79 €
M 6	1,00	5,00	80,0	10,0	6,0	R234060	1	8,97 €
M 8	1,25	6,80	90,0	13,0	8,0	R234080	1	8,92 €
M 10	1,50	8,50	100,0	15,0	10,0	R234100	1	11,56 €
M 12	1,75	10,20	110,0	18,0	9,0	R233120	1	15,33 €
M 14	2,00	12,00	110,0	20,0	11,0	R233140	1	17,73 €
M 16	2,00	14,00	110,0	20,0	12,0	R233160	1	20,78 €



Jogo de brocas para chapa HSS + HSS-TiN em mini caixa
Juegos de machos de roscar para máquinas HSS + HSS-TiN en mini-caja
Assortiment tarauds machine HSS + HSS-TiN, en mini-box

	HSS	€
Jogo de machos de máquina de abrir roscas com 10 peças molde B com de vértice descascador - M 4 - M 5 - M 6 - M 8 - M 10 + molde C / 35° RSP - M 4 - M 5 - M 6 - M 8 - M 10 Juego de macho de roscar para máquinas DIN 371 / 376 forma B con corte inicial de mondar - M 4 - M 5 - M 6 - M 8 - M 10 + forma C / 35° RSP - M 4 - M 5 - M 6 - M 8 - M 10 Assortiment tarauds machine 10 pièces droit entrée Gun DIN 371 / 376 - M 4 - M 5 - M 6 - M 8 - M 10 + hélicoïd. 35° RSP DIN 371 / 376 - M 4 - M 5 - M 6 - M 8 - M 10	RA245055	22,33 €



	HSS	TiN	€
Jogo de machos de máquina de abrir roscas com 10 peças molde B com de vértice descascador - M 4 - M 5 - M 6 - M 8 - M 10 + molde C / 35° RSP - M 4 - M 5 - M 6 - M 8 - M 10 Juego de macho de roscar para máquinas DIN 371 / 376 forma B con corte inicial de mondar - M 4 - M 5 - M 6 - M 8 - M 10 + forma C / 35° RSP - M 4 - M 5 - M 6 - M 8 - M 10 Assortiment tarauds machine 10 pièces droit entrée Gun DIN 371 / 376 - M 4 - M 5 - M 6 - M 8 - M 10 + hélicoïd. 35° RSP DIN 371 / 376 - M 4 - M 5 - M 6 - M 8 - M 10	RA245055 T		111,32 €



Macho de abrir roscas manual M DIN 352 HSS
Machos para roscar a mano M DIN 352 HSS
Tarauds main pas métrique DIN 352 HSS

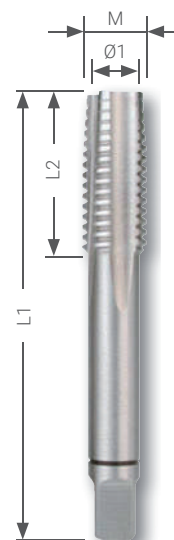


Unidade de venda: um a um em embalagens de plástico
Unidad de empaquetado: envases individuales de plástico
Unité d'emballage: à l'unité sous emballage plastique

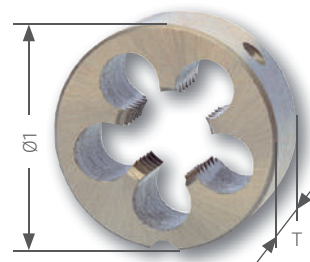
Aço, Acero, Aciers (N/mm2) < 800	<input checked="" type="checkbox"/>
Aço, Acero, Aciers (N/mm2) < 1000	<input type="checkbox"/>
	<input type="checkbox"/>
Aço inox, Acero inoxidable, Aciers inoxydables	<input type="checkbox"/>
Alumínio, Aluminio, Alu	<input checked="" type="checkbox"/>

Latão, Latón, Cuivre	<input checked="" type="checkbox"/>
Bronze, Bronze, Bronze	<input type="checkbox"/>
Materiais sintéticos, Plásticos, Plastiques	<input checked="" type="checkbox"/>
Ferro fundido, Hierro fundido, Fontes	<input type="checkbox"/>
Liga de titânio, Titanio aleado, Alliages au titane	<input type="checkbox"/>

M	Passo/ Paso/ Pas mm	Ø1 mm	L1	L2	HSS			€
M 3	0,50	2,50	40,0	10,0	R230030	<input checked="" type="checkbox"/>	1	10,89 €
M 4	0,70	3,30	45,0	12,0	R230040	<input checked="" type="checkbox"/>	1	10,89 €
M 5	0,80	4,20	50,0	13,0	R230050	<input checked="" type="checkbox"/>	1	11,07 €
M 6	1,00	5,00	56,0	15,0	R230060	<input checked="" type="checkbox"/>	1	11,21 €
M 8	1,25	6,80	56,0	18,0	R230080	<input checked="" type="checkbox"/>	1	13,09 €
M 10	1,50	8,50	70,0	24,0	R230100	<input checked="" type="checkbox"/>	1	16,29 €
M 12	1,75	10,20	75,0	29,0	R230120	<input checked="" type="checkbox"/>	1	21,17 €
M 14	2,00	12,00	80,0	30,0	R230140	<input checked="" type="checkbox"/>	1	27,05 €
M 16	2,00	14,00	80,0	32,0	R230160	<input checked="" type="checkbox"/>	1	30,23 €



Caçonete M DIN EN 22568 HSS,
Cojinetes de roscar M DIN EN 22568 HSS,
Filières pas métrique DIN EN 22568 HSS



Aço, Acero, Aciers (N/mm2) < 800	<input checked="" type="checkbox"/>
Aço, Acero, Aciers (N/mm2) < 1000	<input type="checkbox"/>
	<input type="checkbox"/>
Aço inox, Acero inoxidable, Aciers inoxydables	<input type="checkbox"/>
Alumínio, Aluminio, Alu	<input checked="" type="checkbox"/>

Latão, Latón, Cuivre	<input checked="" type="checkbox"/>
Bronze, Bronze, Bronze	<input type="checkbox"/>
Materiais sintéticos, Plásticos, Plastiques	<input checked="" type="checkbox"/>
Ferro fundido, Hierro fundido, Fontes	<input type="checkbox"/>
Liga de titânio, Titanio aleado, Alliages au titane	<input type="checkbox"/>

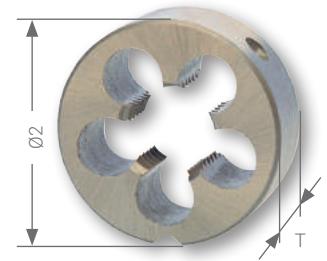


Unidade de venda:
um a um em embalagens de plástico

Unidad de empaquetado:
envases individuales de plástico

Unité d'emballage:
à l'unité sous emballage plastique

M	Passo/ Paso/ Pas mm	Ø1 mm	T mm	HSS			€
M 3	0,50	20,0	5,0	R237030	<input checked="" type="checkbox"/>	1	7,99 €
M 4	0,70	20,0	5,0	R237040	<input checked="" type="checkbox"/>	1	7,99 €
M 5	0,80	20,0	7,0	R237050	<input checked="" type="checkbox"/>	1	7,99 €
M 6	1,00	20,0	7,0	R237060	<input checked="" type="checkbox"/>	1	7,99 €
M 8	1,25	25,0	9,0	R237080	<input checked="" type="checkbox"/>	1	8,63 €
M 10	1,50	30,0	11,0	R237100	<input checked="" type="checkbox"/>	1	10,46 €
M 12	1,75	38,0	14,0	R237120	<input checked="" type="checkbox"/>	1	13,09 €
M 14	2,00	38,0	14,0	R237140	<input checked="" type="checkbox"/>	1	15,19 €
M 16	2,00	45,0	18,0	R237160	<input checked="" type="checkbox"/>	1	18,10 €



Caçonete BSW ≈ DIN EN 22568 HSS, rectificado
Cojinetes de roscar BSW ≈ DIN EN 22568 HSS, rectificados
Filière ≈ DIN EN 22568, HSS rectifié, Withworth BSW

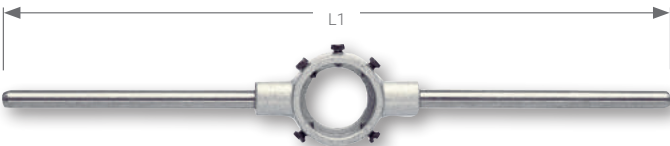


Unidade de venda: um a um em embalagens de plástico
Unidad de empaquetado: envases individuales de plástico
Unité d'emballage: à l'unité sous emballage plastique

BSW	Ø2- mm	T mm	HSS		€
1/16	16,0	5,0	R247116	1	21,79 €
3/32	16,0	5,0	R247332	1	14,29 €
1/8	20,0	5,0	R247018	1	14,29 €
5/32	20,0	5,0	R247532	1	14,29 €
3/16	20,0	7,0	R247316	1	14,29 €
7/32	20,0	7,0	R247732	1	14,29 €
1/4	25,0	9,0	R247014	1	14,29 €
5/16	25,0	9,0	R247516	1	14,29 €
3/8	30,0	11,0	R247038	1	17,33 €
7/16	30,0	11,0	R247716	1	17,33 €
1/2	38,0	14,0	R247012	1	19,21 €
9/16	38,0	14,0	R247916	1	25,33 €

BSW	Ø2- mm	T mm	HSS		€
5/8	45,0	18,0	R247058	1	27,88 €
3/4	45,0	18,0	R247034	1	31,58 €
7/8	55,0	22,0	R247078	1	39,67 €
1"	55,0	22,0	R247010	1	47,96 €
1 1/8	65,0	25,0	R247118	1	73,29 €
1 1/4	65,0	25,0	R247114	1	52,54 €
1 3/8	65,0	25,0	R247138	1	118,08 €
1 1/2	75,0	30,0	R247112	1	105,88 €
1 5/8	75,0	30,0	R247158	1	138,08 €
1 3/4	90,0	36,0	R247134	1	133,46 €
1 7/8	90,0	36,0	R247178	1	133,46 €
2"	90,0	36,0	R247020	1	137,92 €

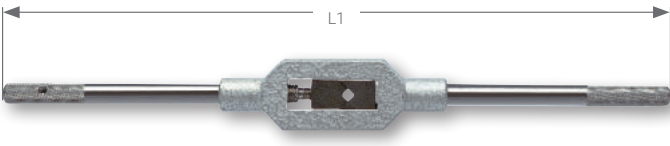
Desandador para caçonetes DIN 225
Porta cojinetes DIN 225
Porte-filières DIN 225



Unidade de venda: um a um em embalagens de plástico
Unidad de empaquetado: envases individuales de plástico
Unité d'emballage: à l'unité sous emballage plastique

Tamanho Tamaño Grandeur	Espessura Grosura Epaisseur mm	L1 mm	Caçonete / Cojinetes de roscar / Filière M + MF Ww G			HSS		€
20	5,0	175,0	M 3 - M 4	1/8 - 5/32	-	R242205	1	4,90 €
20	7,0	175,0	M 4,5 - M 6	3/16 - 1/4	-	R242207	1	5,01 €
25	9,0	210,0	M 7 - M 9	5/16	1/16	R242259	1	5,40 €
30	11,0	260,0	M 10 - M 11	3/8 - 7/16	1/8	R2423011	1	6,66 €
38	14,0	310,0	M 12 - M 14	1/2 - 9/16	-	R2423814	1	8,42 €
45	18,0	440,0	M 16 - M 20	5/8 - 3/4	-	R2424518	1	14,10 €

Desandador de machos regulável DIN 1814
Giramachos de mano DIN 1814
Tourne à gauche réglable DIN 1814



Unidade de venda: um a um em embalagens de plástico
Unidad de empaquetado: envases individuales de plástico
Unité d'emballage: à l'unité sous emballage plastique

Tamanho Tamaño Grandeur	L1 mm	Macho de abrir roscas manual / Cojinetes de terraja / Tarauds à main M + MF Ww G					€
1 1/2	175,0	M 1 - M 12	1/8 - 1/2	1/8	R241112	1	7,89 €
3	370,0	M 5 - M 20	1/4 - 3/4	1/8 - 1/2	R241103	1	15,24 €

Macho de abrir roscas manual G DIN 5157 HSS, rectificado

Machos para roscar a mano G DIN 5157 HSS, rectificados

Tarauds main DIN 5157 HSS rectifié, BSP Gaz

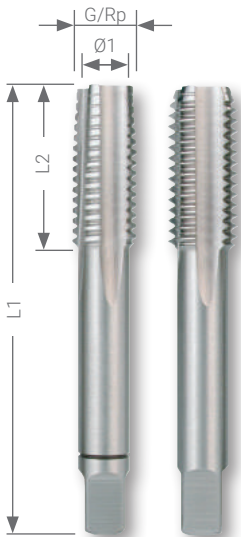


Unidade de venda: um a um em embalagens de plástico

Unidad de empaquetado: envases individuales de plástico

Unité d'emballage: à l'unité sous emballage plastique

Aço, Acero, Aciers (N/mm2) < 900		Latão, Latón, Cuivre	
Aço, Acero, Aciers (N/mm2) < 1100		Bronze, Bronze, Bronze	
Aço, Acero, Aciers (N/mm2) < 1300		Materiais sintéticos, Plásticos, Plastiques	
Aço inox, Acero inoxidable, Aciers inoxydables		Ferro fundido, Hierro fundido, Fontes	
Alumínio, Aluminio, Alu		Liga de titânio, Titanio aleado, Alliages au titane	



G / Rp		Ø1 mm	L1 mm	L2 mm	HSS		€
G 1/8	Rp 1/8	8,80	63,0	18,0	R236018	1	24,83 €
G 1/4	Rp 1/4	11,80	70,0	20,0	R236014	1	24,42 €
G 3/8	Rp 3/8	15,25	70,0	20,0	R236038	1	28,92 €
G 1/2	Rp 1/2	19,00	80,0	22,0	R236012	1	41,63 €
G 5/8	Rp 5/8	21,00	80,0	22,0	R236058	1	49,58 €
G 3/4	Rp 3/4	24,50	90,0	22,0	R236034	1	62,13 €
G 7/8	Rp 7/8	28,25	90,0	22,0	R236078	1	75,92 €
G 1"	Rp 1"	30,75	100,0	25,0	R236010	1	92,71 €
G 1 1/8	Rp 1 1/8	35,30	125,0	40,0	R236118	1	121,63 €
G 1 1/4	Rp 1 1/4	39,25	125,0	40,0	R236114	1	160,42 €
G 1 3/8	Rp 1 3/8	41,70	140,0	40,0	R236138	1	161,21 €
G 1 1/2	Rp 1 1/2	45,25	140,0	40,0	R236112	1	180,25 €
G 1 3/4	Rp 1 3/4	51,10	140,0	40,0	R236134	1	303,58 €
G 2"	Rp 2"	57,00	160,0	40,0	R236020	1	303,58 €

Caçonete G DIN EN 24231 HSS, rectificado

Cojinetes de roscar G DIN EN 24231 HSS, rectificados

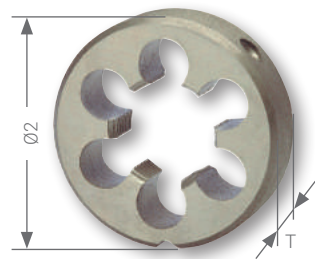
Filière DIN EN 24231 HSS rectifié, BSP Gaz



Unidade de venda: um a um em embalagens de plástico

Unidad de empaquetado: envases individuales de plástico

Unité d'emballage: à l'unité sous emballage plastique



G	Ø2-mm	T mm	HSS		€
G 1/8	30,0	11,0	R240018	1	21,88 €
G 1/4	38,0	10,0	R240014	1	21,88 €
G 3/8	45,0	14,0	R240038	1	26,79 €
G 1/2	45,0	14,0	R240012	1	31,58 €
G 5/8	55,0	16,0	R240058	1	42,21 €
G 3/4	55,0	16,0	R240034	1	60,13 €
G 7/8	65,0	18,0	R240078	1	63,04 €
G 1"	65,0	18,0	R240010	1	63,04 €

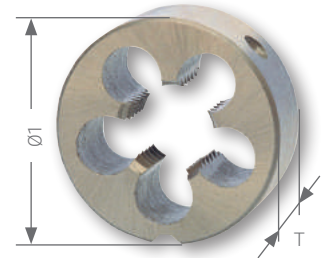
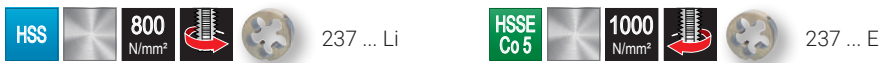
G	Ø2-mm	T mm	HSS		€
G 1 1/8	75,0	20,0	R240118	1	81,42 €
G 1 1/4	75,0	20,0	R240114	1	86,63 €
G 1 3/8	90,0	22,0	R240138	1	114,42 €
G 1 1/2	90,0	22,0	R240112	1	129,71 €
G 1 5/8	90,0	22,0	R240158	1	129,71 €
G 1 3/4	105,0	22,0	R240134	1	195,25 €
G 2"	105,0	22,0	R240020	1	182,17 €



Caçonete M DIN EN 22568 HSS-rosca à esquerda e HSSE-Co 5 rectificado
Cojinetes de roscar M DIN EN 22568 HSS-rosca a la izquierda y HSSE-Co 5 rectificados
Filières pas métrique DIN EN 22568, HSSE-Co 5, rectifiées, filetages à droite et à gauche



Unidade de venda: um a um em embalagens de plástico
Unidad de empaquetado: envases individuales de plástico
Unité d'emballage: à l'unité sous emballage plastique



M	Passo/ Paso/ Pas mm	Ø1 mm	T mm	HSS		€
M 2	0,40	16,0	5,0	-		
M 3	0,50	20,0	5,0	R237030Li	1	9,54 €
M 4	0,70	20,0	5,0	R237040Li	1	9,54 €
M 5	0,80	20,0	7,0	R237050Li	1	10,13 €
M 6	1,00	20,0	7,0	R237060Li	1	10,13 €
M 7	1,00	25,0	9,0	R237070Li	1	10,79 €
M 8	1,25	25,0	9,0	R237080Li	1	10,79 €
M 10	1,50	30,0	11,0	R237100Li	1	12,96 €
M 12	1,75	38,0	14,0	R237120Li	1	16,54 €
M 14	2,00	38,0	14,0	R237140Li	1	18,71 €
M 16	2,00	45,0	18,0	R237160Li	1	26,75 €
M 18	2,50	45,0	18,0	R237180Li	1	26,75 €
M 20	2,50	45,0	18,0	R237200Li	1	26,75 €
M 22	2,50	55,0	22,0	-		
M 24	3,00	55,0	22,0	-		

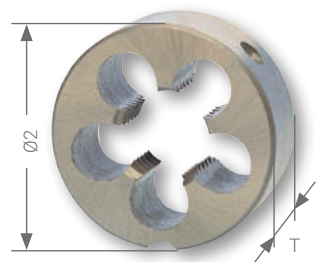
HSSE Co 5		€
R237020E	1	11,04 €
R237030E	1	11,50 €
R237040E	1	11,50 €
R237050E	1	11,50 €
R237060E	1	11,50 €
-	1	
R237080E	1	11,50 €
R237100E	1	14,42 €
R237120E	1	18,08 €
R237140E	1	19,63 €
R237160E	1	26,29 €
R237180E	1	27,63 €
R237200E	1	27,63 €
R237220E	1	40,21 €
R237240E	1	41,25 €



Caçonete UNF ≈ DIN EN 22568 HSS, rectificado
Cojinetes de roscar UNF ≈ DIN EN 22568 HSS, rectificados
Filière ≈ DIN EN 22568, HSS rectifié, pas américain fin UNF



Unidade de venda: um a um em embalagens de plástico
Unidad de empaquetado: envases individuales de plástico
Unité d'emballage: à l'unité sous emballage plastique



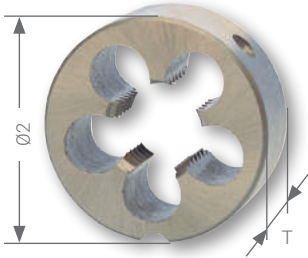
UNF	Ø2 mm	T mm	HSS		€
Nr. 2	16,0	5,0	R240020UNF	1	18,29 €
Nr. 3	16,0	5,0	R240030UNF	1	15,21 €
Nr. 4	16,0	5,0	R240040UNF	1	15,21 €
Nr. 5	20,0	5,0	R240050UNF	1	15,21 €
Nr. 6	20,0	5,0	R240060UNF	1	15,21 €
Nr. 8	20,0	7,0	R240080UNF	1	15,21 €
Nr. 10	20,0	7,0	R240100UNF	1	15,21 €
Nr. 12	20,0	7,0	R240120UNF	1	15,21 €
1/4	20,0	7,0	R240014UNF	1	15,21 €
5/16	25,0	9,0	R240516UNF	1	15,21 €
3/8	30,0	11,0	R240038UNF	1	17,71 €

UNF	Ø2 mm	T mm	HSS		€
7/16	30,0	11,0	R240716UNF	1	18,29 €
1/2	38,0	10,0	R240012UNF	1	15,21 €
9/16	38,0	10,0	R240916UNF	1	15,21 €
5/8	45,0	14,0	R240058UNF	1	15,21 €
3/4	45,0	14,0	R240034UNF	1	15,21 €
7/8	55,0	16,0	R240078UNF	1	15,21 €
1"	55,0	16,0	R240010UNF	1	15,21 €
1 1/8	65,0	18,0	R240118UNF	1	15,21 €
1 1/4	65,0	18,0	R240114UNF	1	15,21 €
1 3/8	65,0	18,0	R240138UNF	1	15,21 €
1 1/2	75,0	20,0	R240112UNF	1	17,71 €

Caçonete MF DIN EN 22568 HSS, rectificado

Cojinetes de roscar MF DIN EN 22568 HSS, rectificados

Filières pas métrique fin DIN EN 22568, HSS rectifié



Aço, Acero, Aciers (N/mm2) < 900	
Aço, Acero, Aciers (N/mm2) < 1100	
Aço, Acero, Aciers (N/mm2) < 1300	
Aço inox, Acero inoxidable, Aciers inoxydables	
Alumínio, Aluminio, Alu	

Latão, Latón, Cuivre	
Bronze, Bronce, Bronze	
Materiais sintéticos, Plásticos, Plastiques	
Ferro fundido, Hierro fundido, Fontes	
Liga de titânio, Titanio aleado, Alliages au titane	



Unidade de venda:

um a um em embalagens de plástico

Unidad de empaquetado:

envases individuales de plástico

Unité d'emballage:

à l'unité sous emballage plastique

MF	Ø2-mm	T mm	HSS		€
MF 3	20,0	5,0	R239030	1	11,46 €
MF 4	20,0	5,0	R239040	1	11,46 €
MF 4	20,0	5,0	R239041	1	10,13 €
MF 5	20,0	5,0	R239050	1	10,13 €
MF 5	20,0	7,0	R239051	1	10,13 €
MF 6	20,0	5,0	R239061	1	10,13 €
MF 6	20,0	7,0	R239060	1	9,79 €
MF 7	25,0	9,0	R239070	1	13,71 €
MF 8	25,0	9,0	R239082	1	13,71 €
MF 8	25,0	9,0	R239080	1	10,58 €
MF 8	25,0	9,0	R239081	1	10,13 €
MF 9	25,0	9,0	R239090	1	16,79 €
MF 9	25,0	9,0	R239091	1	13,75 €
MF 10	30,0	11,0	R239102	1	16,79 €
MF 10	30,0	11,0	R239100	1	12,92 €
MF 10	30,0	11,0	R239101	1	13,75 €
MF 11	30,0	11,0	R239110	1	19,79 €
MF 11	30,0	11,0	R239111	1	19,79 €
MF 12	38,0	10,0	R239121	1	13,75 €
MF 12	38,0	10,0	R239122	1	14,38 €
MF 12	38,0	10,0	R239120	1	14,38 €
MF 13	38,0	10,0	R239131	1	19,79 €
MF 13	38,0	10,0	R239130	1	19,79 €
MF 14	38,0	10,0	R239142	1	17,83 €
MF 14	38,0	10,0	R239140	1	17,83 €
MF 14	38,0	10,0	R239141	1	16,67 €
MF 15	38,0	10,0	R239150	1	27,50 €
MF 16	45,0	14,0	R239161	1	22,29 €
MF 16	45,0	14,0	R239162	1	27,50 €
MF 16	45,0	14,0	R239160	1	23,58 €
MF 18	45,0	14,0	R239181	1	28,13 €
MF 18	45,0	14,0	R239183	1	28,13 €

MF	Ø2-mm	T mm	HSS		€
MF 18	45,0	14,0	R239180	1	23,67 €
MF 18	45,0	14,0	R239182	1	28,13 €
MF 20	45,0	14,0	R239201	1	28,13 €
MF 20	45,0	14,0	R239203	1	28,13 €
MF 20	45,0	14,0	R239200	1	24,08 €
MF 20	45,0	14,0	R239202	1	28,13 €
MF 22	55,0	16,0	R239221	1	41,92 €
MF 22	55,0	16,0	R239220	1	27,33 €
MF 22	55,0	16,0	R239222	1	35,00 €
MF 24	55,0	16,0	R239242	1	41,92 €
MF 24	55,0	16,0	R239240	1	32,33 €
MF 24	55,0	16,0	R239241	1	41,92 €
MF 25	55,0	16,0	R239250	1	33,92 €
MF 26	55,0	16,0	R239261	1	60,67 €
MF 26	55,0	16,0	R239262	1	60,67 €
MF 27	65,0	18,0	R239270	1	60,67 €
MF 27	65,0	18,0	R239271	1	60,67 €
MF 28	65,0	18,0	R239281	1	60,67 €
MF 28	65,0	18,0	R239282	1	60,67 €
MF 30	65,0	18,0	R239300	1	63,04 €
MF 30	65,0	18,0	R239301	1	60,67 €
MF 30	65,0	18,0	R239302	1	60,67 €
MF 32	65,0	18,0	R239320	1	51,50 €
MF 35	65,0	18,0	R239350	1	51,50 €
MF 38	75,0	20,0	R239380	1	92,83 €
MF 40	75,0	20,0	R239400	1	79,54 €
MF 42	75,0	20,0	R239420	1	79,54 €
MF 45	90,0	22,0	R239450	1	100,50 €
MF 48	90,0	22,0	R239480	1	107,17 €
MF 50	90,0	22,0	R239500	1	103,50 €
MF 52	90,0	22,0	R239520	1	103,50 €

Jogo de brocas para chapa HSS em mini caixa

Juego de brocas cónicas para chapa HSS en mini-caja




Jeux de forets coniques HSS en mini-box

	HSS		€
Brocas para chapa nos tamanhos 1, 2, 3 Brocas cónicas para chapa tamaños 1, 2, 3 Forets coniques dans les grandeurs 1, 2, 3	RA101033	52,17 €	





Jogos de ferramentas de abrir roscas HSS em caixas industriais
Juegos de herramientas para roscar HSS en estuche industrial
Assortiment tarauds + forets + filières HSS en coffret métallique

	 	
<p>Jogo de ferramentas de abrir roscas com 37 peças cada conjunto com 3 peças de machos de abrir roscas manual M DIN 352 M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 + 7 caçonetes M DIN EN 22568 / M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 + 5 desandador de caçonete DIN 225 20,0 x 5,0 mm - 20,0 x 7,0 mm - 25,0 x 9,0 mm - 30,0 x 11,0 mm - 38,0 x 14,0 mm + 2 desandador de machos DIN 1814 tamanho 1 / 2 + 1 chave de fendas + 1 conta-fios</p> <p>Juego de 37 piezas de herramientas de roscar un juego de tres piezas de machos de roscar manual M DIN 352 M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 + 7 cojinetes de roscar Ø 25 mm ≈ DIN EN 22568 - M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 + 5 porta cojinetes DIN 225 - 20,0 x 5,0 - 20,0 x 7,0 - 25,0 x 9,0 - 30,0 x 11,0 - 38,0 x 14,0 mm + 2 giramachos DIN 1814 tamaño 1 + 2 + 1 destornillador + 1 plantilla para roscas</p> <p>Assortiment tarauds + filières 37 pièces: 7 jeux de 3 tarauds main DIN 352 / M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 + 7 filières métriques DIN EN 22568 / M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 + 5 porte-filières DIN 225, 1 dans chacune des dim. suivantes: 20,0 x 5,0 mm - 20,0 x 7,0 mm - 25,0 x 9,0 mm - 30,0 x 11,0 mm - 38,0 x 14,0 mm + 2 tourne-à gauche: 1 x taille 1 + 1 x taille 2 DIN 1814 + 1 tourne vis + 1 jauge à filet</p>	<p>R245020</p>	<p>275,23€</p>
<p>Jogo de ferramentas de abrir roscas com 54 peças cada conjunto com 3 peças de machos de abrir roscas manual M DIN 352 M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 - M 14 - M 16 - M 18 - M 20 + 11 caçonetes M DIN EN 22568 / M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 - M 14 - M 16 - M 18 - M 20 + 6 desandador de caçonete DIN 225 20,0 x 5,0 mm - 20,0 x 7,0 mm - 25,0 x 9,0 mm - 30,0 x 11,0 mm - 38,0 x 14,0 mm - 45,0 x 18,0 mm + 2 desandador de machos DIN 1814 tamanho 1 + 3 + 1 chave de fendas + 1 conta-fios</p> <p>Juego de 54 piezas de herramientas de roscar un juego de tres piezas de machos de roscar manual M DIN 352 M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 - M 14 - M 16 - M 18 - M 20 + 11 cojinetes de roscar M DIN EN 22568 M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 - M 14 - M 16 - M 18 - M 20 + 6 porta cojinetes DIN 225 - 20,0 x 5,0 - 20,0 x 7,0 - 25,0 x 9,0 - 30,0 x 11,0 - 38,0 x 14,0 - 45,0 x 18,0 mm + 2 giramachos DIN 1814 tamaño 1 + 3 + 1 destornillador + 1 plantilla para roscas</p> <p>Assortiment tarauds + filières 54 pièces: 11 jeux de 3 tarauds main DIN 352 / M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 - M 14 - M 16 - M 18 - M 20 + 11 filières métriques M DIN EN 22568 M 3 - M 4 - M 5 - M 6 - M 8 - M 10 - M 12 - M 14 - M 16 - M 18 - M 20 + 6 porte-filières DIN 225, 1 dans chacune des dim. suivantes: 20,0 x 5,0 mm - 20,0 x 7,0 mm - 25,0 x 9,0 mm - 30,0 x 11,0 mm - 38,0 x 14,0 mm - 45,0 x 18,0 mm + 2 tourne-à gauche: 1 x taille 1 + 1 x taille 3 DIN 1814 + 1 tourne vis + 1 jauge à filet</p>	<p>R245040</p>	<p>469,08 €</p>

37
tfg./pcs.

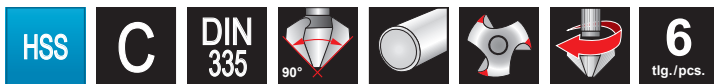


R245020

54
tfg./pcs.



R245040



Jogo de escareadores DIN 335 Tipo C 90° HSS em caixas de plástico
 Juego avellanadores cónicos y desbarbadores HSS en estuche plástico
 Jeux de fraises coniques à chanfreiner HSS en coffret plastique

	HSS	€
6 Escareadores DIN 335 Tipo C 90° Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm	R102152R0	91,46 €
6 Avellanadores cónicos y desbarbadores Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm		
Jeu de 6 fraises coniques à chanfreiner DIN 335 forme C 90° Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm		



Jogo de escareadores DIN 335 Tipo C 90° HSS em mini caixa
 Juego avellanadores cónicos y desbarbadores HSS en mini-caja
 Jeux de fraises coniques à chanfreiner HSS en mini-box

	HSS	€
Forma C 90° - Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm Forme C 90° - Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm Forme C 90° - Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm	RA102156	58,78 €



Jogo de saca bocados com parafuso e vértice de 2 pontos em mala de plástico
 Juego de punzonadores de tornillo con entrada de dos puntos en caja de plástico
 DuoCut SGS-Power Kit sanitaire emporte-pieces a vis

		€
3 Saca bocados com parafuso e vértice de 2 pontos 1x 28,3 mm, 1 x 32,0 mm, 1 x 35,0 mm 1x broca para chapa HSS-TiN N° 2 2x parafuso de fixação MF 12 x 1,5 x 55 qualidade 12.9 1x parafuso de rolamento esferas MF 12 x 1,5 x 60 quali. 12.9 1x Chave de extremidade 19,0 mm	R109010	85,70€
3 Punzonadores de tornillo con entrada de dos puntos 1x 28,3 mm, 1 x 32,0 mm, 1 x 35,0 mm (spécial Inox) 1x broca cónica para chapa HSS-TiN N° 2 2x tornillo MF 12 x 1,5 x 55 grado de calidad 12.9 1x tornillo de cojinete MF 12 x 1,5 x 60 grado de calidad 12.9 1x Llave de boca		
3x Emportes Pièces 2 dents 1x 28,3 mm, 1 x 32,0 mm et 1 x 35,0 mm (spécial Inox) 1x Foret étagé TiN Nr. 2 2x Vis de tension MF 12 x 1.5 classe 12.9 1x Vis de tension à roulement MF 12 x 1.5 classe 12.9 1x Clé mixte 19,0 mm		



DuoCut
SGS-Power



Gamas de reparação de roscas ProCoil em mala de plástico
Surtidos de reparación de roscas ProCoil en maletín plástico
Assortiments d'outils de réparation de filetages ProCoil, en coffret plastique

		€
<p>Gama M5 - M12</p> <p>5 broca espiral HSS Ø 5,2 - 6,2 - 8,3 - 10,3 - 12,4 mm</p> <p>+ 5 macho de abrir roscas manual DIN 352 HSS</p> <p>M5 - M6 - M8 - M10 - M12</p> <p>+ 5 ferramentas de montagem M5 - M6 - M8 - M10 - M12</p> <p>+ 5 ferramentas de quebra de pino 3,5 - 4,6 - 6,0 - 7,5 - 9,0 mm</p> <p>+ 60 insertos roscados M5 - M10, 5 x Ø 1,0 / 1,5 / 2,0</p> <p>+ 6 insertos roscados M12, 2 x Ø 1,0 / 1,5 / 2,0</p> <p>Surtido M5 - M12</p> <p>5 brocas helicoidales HSS Ø 5,2 - 6,2 - 8,3 - 10,3 - 12,4 mm</p> <p>+ 5 machos de roscar manuales DIN 352 HSS</p> <p>M5 - M6 - M8 - M10 - M12</p> <p>+ 5 herramientas de montaje M5 - M6 - M8 - M10 - M12</p> <p>+ 5 rompedores de pernos Ø 3,5 - 4,6 - 6,0 - 7,5 - 9,0 mm</p> <p>+ 60 casquillos con rosca M5 - M10, 5 x Ø 1,0 / 1,5 / 2,0</p> <p>+ 6 casquillos con rosca M12, 2 x Ø 1,0 / 1,5 / 2,0</p> <p>Assortiment M5 - M12</p> <p>5 forêts HSS Ø 5,2 - 6,2 - 8,3 - 10,3 - 12,4 mm</p> <p>+ 5 tarauds à main DIN 352 HSS M5 - M6 - M8 - M10 - M12</p> <p>+ 5 outils de montage M5 - M6 - M8 - M10 - M12</p> <p>+ 5 rupteurs Ø 3,5 - 4,6 - 6,0 - 7,5 - 9,0 mm</p> <p>+ 60 inserts filetés M5 - M10, de chaque en 5 x Ø 1,0 / 1,5 / 2,0</p> <p>+ 6 inserts filetés M12, de chaque en 2 x Ø 1,0 / 1,5 / 2,0</p>	R244208	149,81 €
<p>Gama M6 - M14</p> <p>5 broca espiral HSS Ø 6,2 - 8,3 - 10,3 - 12,4 - 14,5 mm</p> <p>+ 5 macho de abrir roscas manual DIN 352 HSS</p> <p>M6 - M8 - M10 - M12 - MF14</p> <p>+ 5 ferramentas de montagem M6 - M8 - M10 - M12 - M14</p> <p>+ 5 ferramentas de quebra de pino Ø 4,6 - 6,0 - 7,5 - 9,0 - 10,0 mm</p> <p>+ 45 insertos roscados M6 - M10, 5 x Ø 1,0 / 1,5 / 2,0</p> <p>+ 12 insertos roscados M12 - MF14 2 x Ø 1,0 / 1,5 / 2,0</p> <p>Surtido M6 - M14</p> <p>5 brocas helicoidales HSS Ø 6,2 - 8,3 - 10,3 - 12,4 - 14,5 mm</p> <p>+ 5 machos de roscar manuales DIN 352 HSS</p> <p>M6 - M8 - M10 - M12 - MF14</p> <p>+ 5 herramientas de montaje M6 - M8 - M10 - M12 - M14</p> <p>+ 5 rompedores de pernos Ø 4,6 - 6,0 - 7,5 - 9,0 - 10,0 mm</p> <p>+ 45 casquillos con rosca M6 - M10, 5 x Ø 1,0 / 1,5 / 2,0</p> <p>+ 12 casquillos con rosca M12 - MF14, 2 x Ø 1,0 / 1,5 / 2,0</p> <p>Assortiment M6 - M14</p> <p>5 forêts HSS Ø 6,2 - 8,3 - 10,3 - 12,4 - 14,5 mm</p> <p>+ 5 tarauds à main DIN 352 HSS M6 - M8 - M10 - M12 - MF14</p> <p>+ 5 outils de montage M6 - M8 - M10 - M12 - M14</p> <p>+ 5 rupteurs Ø 4,6 - 6,0 - 7,5 - 9,0 - 10,0 mm</p> <p>+ 45 inserts filetés M 6 - M 10, de chaque en 5 x Ø 1,0 / 1,5 / 2,0</p> <p>+ 12 inserts filetés M 12 - MF 14, de chaque en 2 x Ø 1,0 / 1,5 / 2,0</p>	R244209	174,15 €



Serras craneanas bimetálicas HSS com dentes variáveis / HSSE-Co 8 com dentes finos
Coronas perforadoras bimetal HSS con dentado variable / HSSE-Co 8 con dentado fino
Scies-cloches bimétal HSS avec denture à pas variable HSS à 8 % de cobalt, denture fine



Unidade de venda: Individual em embalagens de cartão
Unidad de empaquetado: envases individuales de cartón
Unité d'emballage: à l'unité sous emballage en carton

Aço, Acero, Aciers (N/mm2) < 900	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Aço, Acero, Aciers (N/mm2) < 1100	<input type="checkbox"/>	<input type="checkbox"/>
Aço, Acero, Aciers (N/mm2) < 1300	<input type="checkbox"/>	<input type="checkbox"/>
Aço inox, Acero inoxidable, Aciers inoxydables	<input type="checkbox"/>	<input type="checkbox"/>
Alumínio, Aluminio, Alu	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Latão, Latón, Cuivre	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bronze, Bronze, Bronze	<input type="checkbox"/>	<input type="checkbox"/>
Materiais sintéticos, Plásticos, Plastiques	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ferro fundido, Hierro fundido, Fontes	<input type="checkbox"/>	<input type="checkbox"/>
Liga de titânio, Titanio aleado, Alliages au titane	<input type="checkbox"/>	<input type="checkbox"/>



Ø mm	Ø inch	PG	Medidas dos tub. polegadas Tamaño tubular pulgadas Dim. tube en pouces	Para suporte de assento Para porta asiento Pour porte-outils			
14,0	9/16			A1 / A4 / A5	R106014	1	4,03 €
16,0	5/8	~ PG 9		A1 / A4 / A5	R106016	1	5,40 €
17,0				A1 / A4 / A5	R106017	1	5,40 €
19,0	3/4	~ PG 11	3/8	A1 / A4 / A5	R106019	1	5,40 €
20,0				A1 / A4 / A5	R106020	1	5,40 €
21,0		~ PG 13,5		A1 / A4 / A5	R106021	1	5,40 €
22,0	7/8		1/2	A1 / A4 / A5	R106022	1	5,40 €
24,0	15/16	~ PG 16		A1 / A4 / A5	R106024	1	5,40 €
25,0	1			A1 / A4 / A5	R106025	1	5,72 €
27,0	1 1/16			A1 / A4 / A5	R106027	1	5,72 €
28,0	1 3/32			A1 / A4 / A5	R106028	1	5,72 €
29,0	1 1/8	~ PG 21	3/4	A1 / A4 / A5	R106029	1	5,72 €
30,0	1 3/16			A1 / A4 / A5	R106030	1	5,72 €
32,0	1 1/4			A2 / A6 / A7	R106032	1	5,72 €
33,0				A2 / A6 / A7	R106033	1	5,72 €
35,0	1 3/8		1	A2 / A6 / A7	R106035	1	6,04 €
36,0				A2 / A6 / A7	R106036	1	6,04 €
37,0		PG 29		A2 / A6 / A7	R106037	1	6,04 €
38,0	1 1/2			A2 / A6 / A7	R106038	1	6,04 €
40,0				A2 / A6 / A7	R106040	1	6,04 €
41,0	1 5/8			A2 / A6 / A7	R106041	1	6,04 €
43,0	1 11/16			A2 / A6 / A7	R106043	1	6,04 €
44,0	1 3/4		1 1/4	A2 / A6 / A7	R106044	1	7,28 €
46,0	1 13/16			A2 / A6 / A7	R106046	1	7,28 €
48,0	1 7/8	~ PG 36		A2 / A6 / A7	R106048	1	7,28 €
51,0	2		1 1/2	A2 / A6 / A7	R106051	1	7,28 €
52,0				A2 / A6 / A7	R106052	1	8,88 €
54,0	2 1/8	PG 42		A2 / A6 / A7	R106054	1	8,88 €
55,0				A2 / A6 / A7	R106055	1	9,56 €
57,0	2 1/4			A2 / A6 / A7	R106057	1	8,88 €
59,0				A2 / A6 / A7	R106059	1	9,18 €
60,0	2 3/8	~ PG 48		A2 / A6 / A7	R106060	1	9,18 €
63,0				A2 / A6 / A7	R106063	1	9,77 €
64,0	2 1/2		2	A2 / A6 / A7	R106064	1	9,77 €
65,0				A2 / A6 / A7	R106065	1	9,77 €
67,0	2 5/8			A2 / A6 / A7	R106067	1	9,77 €
68,0				A2 / A6 / A7	R106068	1	9,77 €
70,0	2 3/4			A2 / A6 / A7	R106070	1	9,77 €
73,0	2 7/8			A2 / A6 / A7	R106073	1	9,95 €
76,0	3		2 1/2	A2 / A6 / A7	R106076	1	10,21 €
79,0	3 1/8			A2 / A6 / A7	R106079	1	10,53 €
83,0	3 1/4			A2 / A6 / A7	R106083	1	11,01 €
86,0	3 3/8			A2 / A6 / A7	R106086	1	11,51 €
89,0	3 1/2			A2 / A6 / A7	R106089	1	11,97 €
92,0	3 5/8		3	A2 / A6 / A7	R106092	1	12,52 €
95,0	3 3/4			A2 / A6 / A7	R106095	1	11,60 €
98,0	3 7/8			A2 / A6 / A7	R106098	1	14,85 €
102,0	4			A2 / A6 / A7	R106102	1	15,86 €

HSSE Co 8		
R126014	1	5,01 €
R126016	1	6,73 €
R126017	1	6,73 €
R126019	1	6,73 €
R126020	1	6,73 €
R126021	1	6,73 €
R126022	1	6,73 €
R126024	1	6,73 €
R126025	1	7,09 €
R126027	1	7,09 €
R126028	1	7,09 €
R126029	1	7,09 €
R126030	1	7,09 €
R126032	1	7,09 €
R126033	1	7,09 €
R126035	1	7,57 €
R126036	1	7,57 €
R126037	1	7,57 €
R126038	1	7,57 €
R126040	1	7,57 €
R126041	1	7,57 €
R126043	1	7,57 €
R126044	1	9,08 €
R126046	1	9,08 €
R126048	1	9,08 €
R126051	1	9,08 €
R126052	1	11,07 €
R126054	1	11,07 €
R126055	1	11,88 €
R126057	1	11,07 €
R126059	1	11,49 €
R126060	1	11,49 €
R126063	1	12,24 €
R126064	1	12,24 €
R126065	1	12,24 €
R126067	1	12,24 €
R126068	1	12,24 €
R126070	1	12,24 €
R126073	1	13,02 €
R126076	1	13,11 €
R126079	1	13,57 €
R126083	1	14,03 €
R126086	1	14,26 €
R126089	1	15,33 €
R126092	1	15,70 €
R126095	1	17,41 €
R126098	1	18,58 €
R126102	1	19,79 €



Material: aço especial
Cuerpo: acero especial
Chemise: acier spécial

Jogos de serras craneanas bimetálicas HSS e HSSE-Co 8 em caixas de plástico
Juegos de coronas perforadoras bimetál HSS / HSSE-Co 8 en caja de plástico
Assortiment de scies-cloches bimétal HSS / HSSE-Co 8 en coffret plastique



	HSS	€	HSSE Co 8	€
Para electricistas 6 serras craneanas bimetálicas Ø 22,0 - 29,0 - 35,0 - 44,0 - 51,0 - 64,0 mm + 2 cone A2 + A4 Para electricistas 6 coronas perforadoras bimetál Ø 22,0 - 29,0 - 35,0 - 44,0 - 51,0 - 64,0 mm + 2 soportes de sujecion A2 + A4 Pour installateurs-électriciens 6 scies-cloches bimétal Ø 22,0 - 29,0 - 35,0 - 44,0 - 51,0 - 64,0 mm + 2 porte-outil de chacun des types A2 et A4	R106305	74,64 €	R126305	90,61 €
Para canalizadores 6 serras craneanas bimetálicas Ø 19,0 - 22,0 - 29,0 - 38,0 - 44,0 - 57,0 mm + 2 cone A2 + A4 Para fontaneros del sector sanitario 6 coronas perforadoras bimetál Ø 19,0 - 22,0 - 29,0 - 38,0 - 44,0 - 57,0 mm + 2 soportes de sujecion A2 + A4 Pour installateurs sanitaires 6 scies-cloches bimétal Ø 19,0 - 22,0 - 29,0 - 38,0 - 44,0 - 57,0 mm + 2 porte-outil de chacun des types A2 et A4	R106301		-	
6 serras craneanas bimetálicas Ø 22,0 / 29,0 / 35,0 / 44,0 / 51,0 / 68,0 mm + 2 cone A2 + A4 6 coronas perforadoras bimetál Ø 22,0 / 29,0 / 35,0 / 44,0 / 51,0 / 68,0 mm + 2 soportes de sujecion A2 + A4 6 scies-cloches bimétal Ø 22,0 / 29,0 / 35,0 / 44,0 / 51,0 / 68,0 mm + 2 porte-outil de chacun des types A2 et A4	RA106340	29,56 €	-	

Suporte de assento / Porta asiento / Porte-outil

Serras craneanas Ø mm Coronas perforadoras scies-cloches	Suporte de assento tipo Porta asiento tipo Porte-outils Type	Haste mm Vástago mm Ø de la queue mm	Haste forma Vástago forma Forme de la queue	Rosca Rosca Filetage	HSS		€
14,0 - 30,0	A1	11,0	⬡	1/2" x 20	R106201	1	8,00 €
32,0 - 210,0	A2	11,0	⬡	5/8" x 18	R106202	1	12,50 €
14,0 - 30,0	A4	6,0	○	1/2" x 20	R106204	1	7,53 €
14,0 - 30,0	A5	9,5	⬡	1/2" x 20	R106210	1	15,07 €
32,0 - 210,0	A6	9,5	⬡	5/8" x 18	R106209	1	12,50 €
32,0 - 210,0	A7	10,0	SDS-Plus	5/8" x 18	R106211	1	16,19 €



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