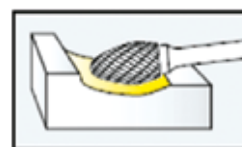
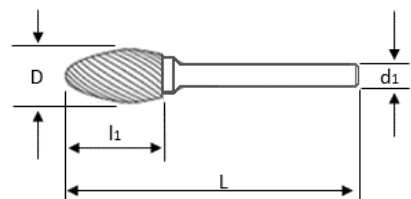


- Indicado para uso em alumínio e ligas de alumínio
- Composição: Haste em aço carbono e corte em metal duro  
Exceto as marcadas com (\*) ao lado do código que são fabricadas em metal duro inteiriço
- Origem: China
- Prazo de validade: Indeterminado
- Embalagem: Tubo plástico
- Verifique recomendações de uso página 191
- Verifique tabela de similaridade páginas 178 a 184
- Utilize EPI

## ÁRVORE ARREDONDADA



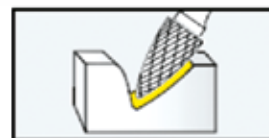
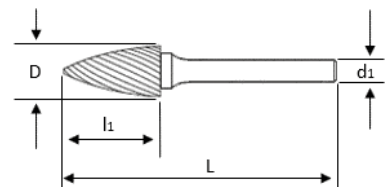
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	13	3	45	22796	1	200	0,004
8,00	19	6	65	24970	1	200	0,014
10,00	19	6	65	22787	1	200	0,017
12,00	19	6	65	22789	1	100	0,020
12,00	25	6	70	30155	1	100	0,023
16,00	25	6	70	22792	1	100	0,030



## ÁRVORE PONTIAGUDA



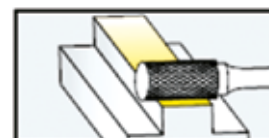
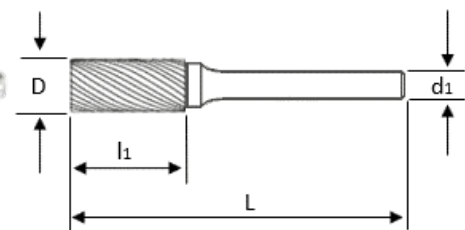
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	16	6	50	22782	1	200	0,010
8,00	19	6	65	22784	1	200	0,013
10,00	19	6	65	22774	1	200	0,010
12,00	19	6	65	22777	1	100	0,018



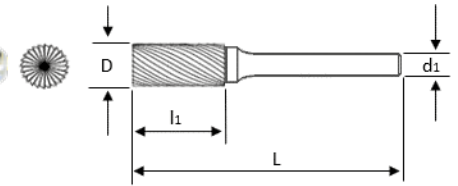
## CILÍNDRICA



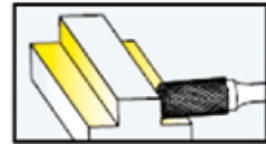
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	19	6	50	18749 *	1	200	0,013
8,00	19	6	65	22712	1	200	0,014
10,00	25	6	70	22690	1	100	0,021
16,00	25	6	70	22706	1	100	0,046



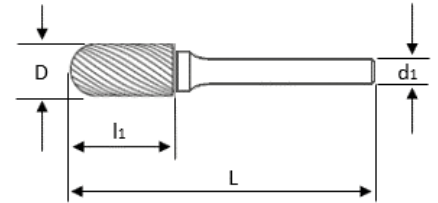
**CILÍNDRICA C/ CORTE NO TOPO**



D (mm)	C. Corte li (mm)	Haste di (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	19	6	50	22686 *	1	200	0,014
10,00	25	6	70	22650	1	100	0,021
16,00	25	8	70	22676	1	100	0,045



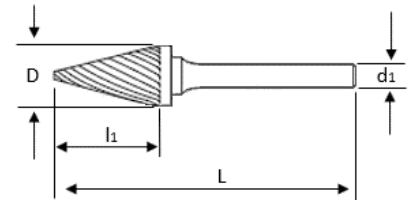
**CILÍNDRICA C/ TOPO ESFÉRICO**



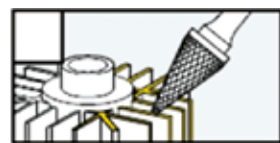
D (mm)	C. Corte li (mm)	Haste di (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	13	3	45	22724	1	200	0,004
8,00	19	6	65	22713	1	200	0,014
10,00	19	6	65	24077	1	100	0,019
12,00	25	6	70	22719	1	100	0,027



**CÔNICA**



D (mm)	C. Corte li (mm)	Haste di (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	19	6	50	22632 *	1	200	0,012
10,00	16	6	65	22616	1	200	0,013
16,00	22	6	73	22625	1	100	0,022

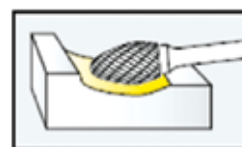
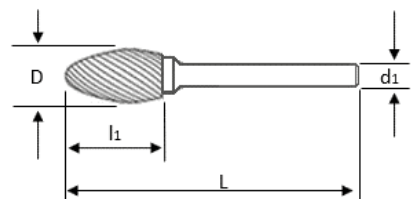


- Indicado para uso em alumínio e ligas de alumínio
- Composição: Haste em aço carbono e corte em metal duro  
Exceto as marcadas com (\*) ao lado do código que são fabricadas em metal duro inteiriço
- Origem: China
- Prazo de validade: Indeterminado
- Embalagem: Tubo plástico
- Verifique recomendações de uso página 191
- Verifique tabela de similaridade páginas 178 a 184
- Utilize EPI

## ÁRVORE ARREDONDADA



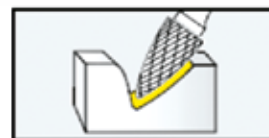
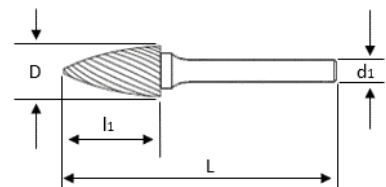
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	13	3	45	22796	1	200	0,004
8,00	19	6	65	24970	1	200	0,014
10,00	19	6	65	22787	1	200	0,017
12,00	19	6	65	22789	1	100	0,020
12,00	25	6	70	30155	1	100	0,023
16,00	25	6	70	22792	1	100	0,030



## ÁRVORE PONTIAGUDA



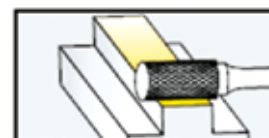
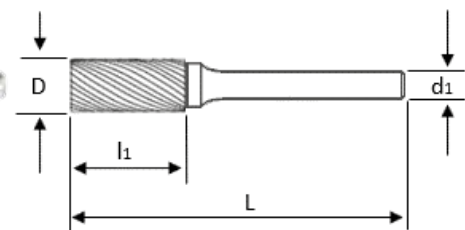
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	16	6	50	22782	1	200	0,010
8,00	19	6	65	22784	1	200	0,013
10,00	19	6	65	22774	1	200	0,010
12,00	19	6	65	22777	1	100	0,018



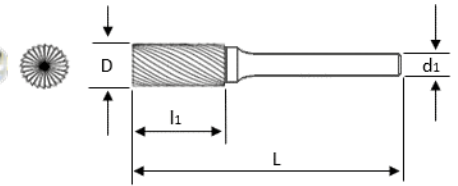
## CILÍNDRICA



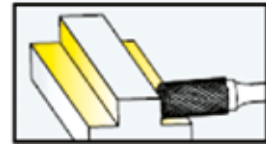
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	19	6	50	18749 *	1	200	0,013
8,00	19	6	65	22712	1	200	0,014
10,00	25	6	70	22690	1	100	0,021
16,00	25	6	70	22706	1	100	0,046



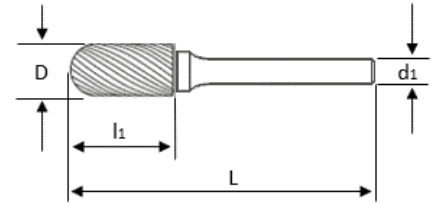
**CILÍNDRICA C/ CORTE NO TOPO**



D (mm)	C. Corte li (mm)	Haste di (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	19	6	50	22686 *	1	200	0,014
10,00	25	6	70	22650	1	100	0,021
16,00	25	8	70	22676	1	100	0,045



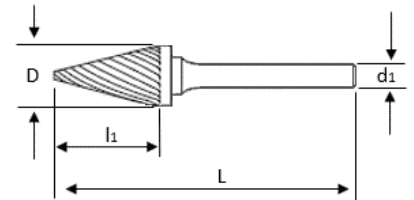
**CILÍNDRICA C/ TOPO ESFÉRICO**



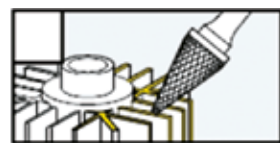
D (mm)	C. Corte li (mm)	Haste di (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	13	3	45	22724	1	200	0,004
8,00	19	6	65	22713	1	200	0,014
10,00	19	6	65	24077	1	100	0,019
12,00	25	6	70	22719	1	100	0,027



**CÔNICA**



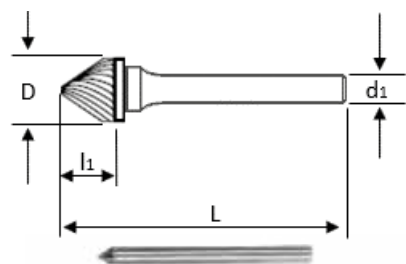
D (mm)	C. Corte li (mm)	Haste di (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	19	6	50	22632 *	1	200	0,012
10,00	16	6	65	22616	1	200	0,013
16,00	22	6	73	22625	1	100	0,022



## CÔNICA 60°



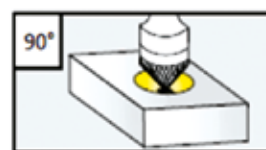
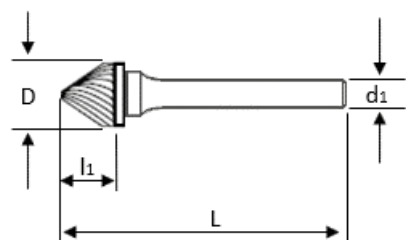
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
10,00	8	6	55	22593	1	200	0,014
12,00	11	6	60	22595	1	100	0,018



## CÔNICA 90°



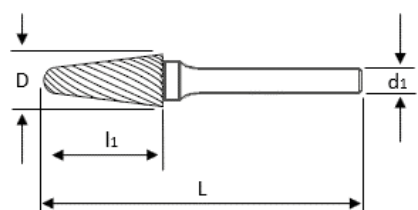
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	3	6	50	22607	1	200	0,011
12,00	6	6	54	22602	1	100	0,016



## CÔNICA COM RAIO



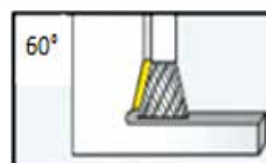
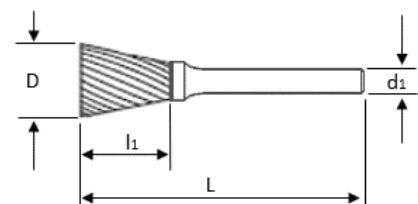
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	19	6	50	22647 *	1	200	0,013
10,00	27	6	75	22638	1	200	0,016
16,00	33	8	78	22642	1	100	0,035



## CÔNICA INVERTIDA



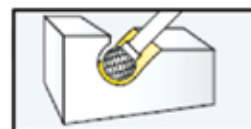
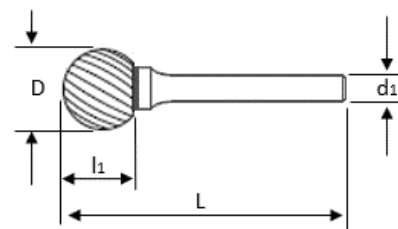
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
9,50	9,5	6	53	22759	1	200	0,012
16,00	19	6	63	22754	1	100	0,025



**ESFÉRICA**



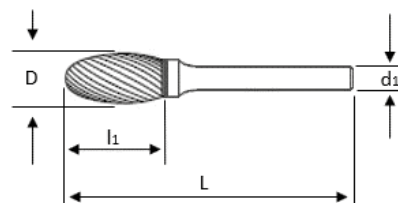
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	5,4	6	50	22591	1	200	0,010
10,00	9	6	53	22580	1	200	0,012
16,00	14,4	6	60	18782	1	100	0,023



**OVAL**



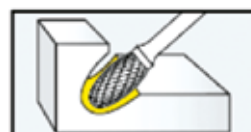
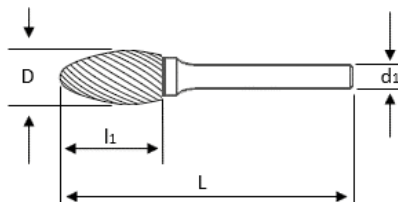
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	10	6	50	22770	1	200	0,010
8,00	13	6	58	23648	1	200	0,011
10,00	16	6	60	22763	1	200	0,015
16,00	25	6	70	22766	1	100	0,037



**LABAREDA**



D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	14	6	50	22746 *	1	200	0,014
10,00	19	6	65	22734	1	200	0,016
16,00	36	6	80	22740	1	100	0,043

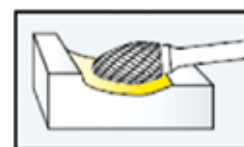
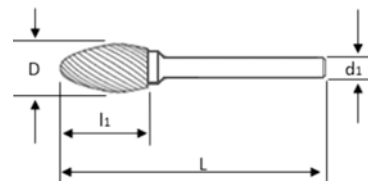


- Indicado para uso em alumínio e ligas de alumínio
- Composição: Haste em aço carbono e corte em metal duro
- Origem: China
- Prazo de validade: Indeterminado
- Embalagem: Tubo plástico
- Verifique recomendações de uso página 196
- Verifique tabela de similaridade páginas 178 a 184
- Utilize EPI

## ÁRVORE ARREDONDADA



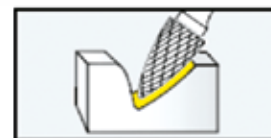
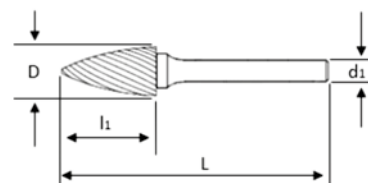
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	18,0	6,0	63,0	39195	1	100	0,017
8,00	20,0	6,0	63,0	39196	1	100	0,022
10,00	20,0	6,0	65,0	39197	1	100	0,028
12,00	25,0	6,0	70,0	39198	1	100	0,038
16,00	25,0	6,0	70,0	39199	1	100	0,061



## ÁRVORE PONTIAGUDA



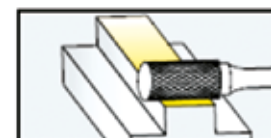
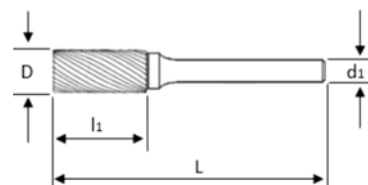
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	18,0	6,0	63,0	39200	1	100	0,017
8,00	20,0	6,0	63,0	39201	1	100	0,042
10,00	20,0	6,0	65,0	39202	1	100	0,025
12,00	25,0	6,0	70,0	39203	1	100	0,041
16,00	25,0	6,0	65,0	39204	1	100	0,058



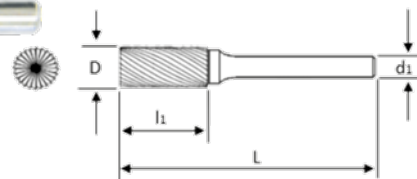
## CILÍNDRICA



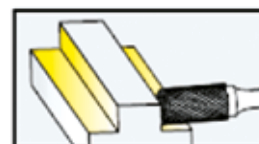
D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	16,0	6,0	65,0	39170	1	100	0,019
8,00	20,0	6,0	65,0	39171	1	100	0,025
10,00	20,0	6,0	65,0	39172	1	100	0,031
12,00	25,0	6,0	70,0	39173	1	100	0,050
16,00	25,0	6,0	70,0	39174	1	100	0,083



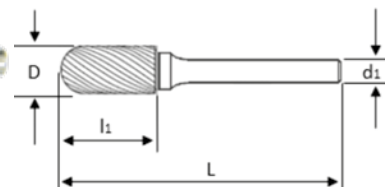
## CILÍNDRICA C/ CORTE NO TOPO



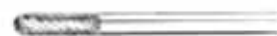
D (mm)	C. Corte li (mm)	Haste d1 (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	16,0	6,0	65,0	39175	1	100	0,020
8,00	20,0	6,0	65,0	39176	1	100	0,026
10,00	20,0	6,0	65,0	39177	1	100	0,033
12,00	25,0	6,0	70,0	39178	1	100	0,050
16,00	25,0	6,0	70,0	39179	1	100	0,080



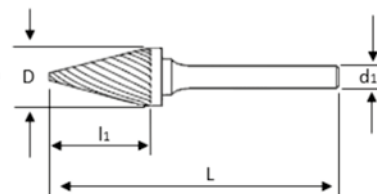
## CILÍNDRICA C/ TOPO ESFÉRICO



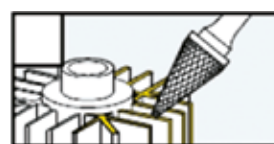
D (mm)	C. Corte li (mm)	Haste d1 (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	16,0	6,0	63,0	39180	1	100	0,018
8,00	20,0	6,0	63,0	39181	1	100	0,025
10,00	20,0	6,0	65,0	39182	1	100	0,032
12,00	25,0	6,0	70,0	39183	1	100	0,048
16,00	25,0	6,0	70,0	39184	1	100	0,077



## CÔNICA



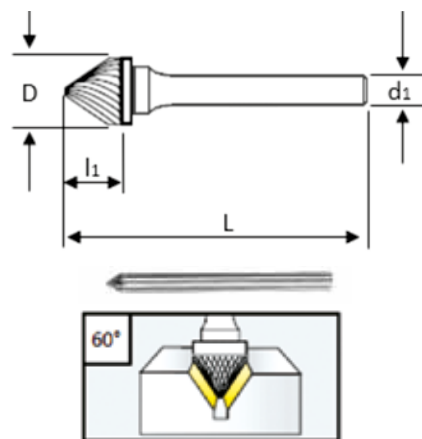
D (mm)	C. Corte li (mm)	Haste d1 (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	18,0	6,0	63,0	39225	1	100	0,016
8,00	20,0	6,0	65,0	39226	1	100	0,019
10,00	20,0	6,0	65,0	39227	1	100	0,022
12,00	25,0	6,0	70,0	39228	1	100	0,033
16,00	25,0	6,0	70,0	39229	1	100	0,045





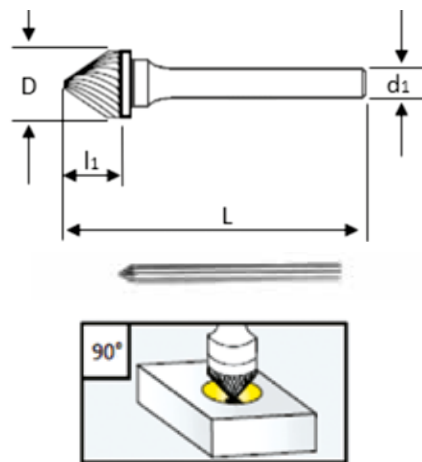
**CÔNICA 60°**

D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	5,2	6,0	55,0	39210	1	100	0,015
8,00	7,0	6,0	55,0	39211	1	100	0,017
10,00	8,7	6,0	58,0	39212	1	100	0,024
12,00	10,4	6,0	60,0	39213	1	100	0,032
16,00	13,8	6,0	60,0	39214	1	100	0,047



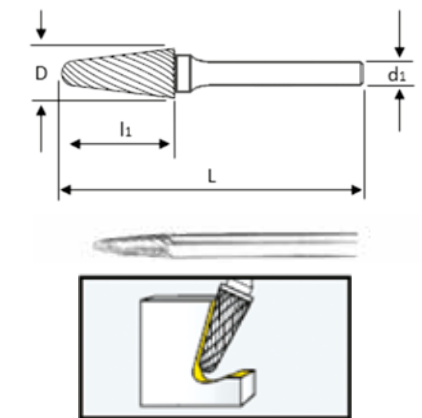
**CÔNICA 90°**

D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	3,0	6,0	51,0	39215	1	100	0,015
8,00	4,0	6,0	55,0	39216	1	100	0,016
10,00	5,0	6,0	55,0	39217	1	100	0,018
12,00	6,0	6,0	57,0	39218	1	100	0,031
16,00	8,0	6,0	60,0	39219	1	100	0,042



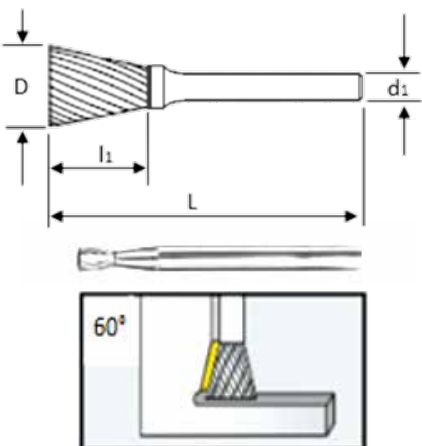
**CÔNICA COM RAIO**

D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	16,0	6,0	61,0	39220	1	100	0,019
8,00	22,0	6,0	65,0	39221	1	100	0,021
10,00	25,0	6,0	70,0	39222	1	100	0,028
12,00	28,0	6,0	70,0	39223	1	100	0,040
16,00	33,0	6,0	78,0	39224	1	100	0,069



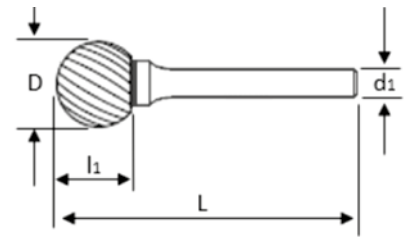
**CÔNICA INVERTIDA**

D (mm)	C. Corte l <sub>1</sub> (mm)	Haste d <sub>1</sub> (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	7,0	6,0	52,0	39230	1	100	0,015
8,00	10,0	6,0	65,0	39231	1	100	0,019
10,00	10,0	6,0	53,0	39232	1	100	0,021
12,00	13,0	6,0	58,0	39233	1	100	0,030
16,00	16,0	6,0	61,0	39234	1	100	0,048



# LIMAS ROTATIVAS - METAL DURO - ALUMÍNIO

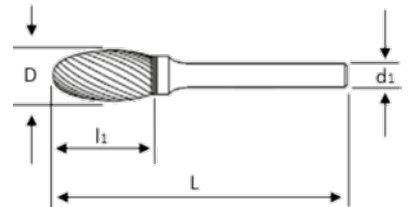
## ESFÉRICA



D (mm)	C. Corte l1 (mm)	Haste d1 (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	5,2	6,0	50,0	39185	1	100	0,015
8,00	7,1	6,0	52,0	39186	1	100	0,017
10,00	9,0	6,0	54,0	39187	1	100	0,020
12,00	10,4	6,0	56,0	39188	1	100	0,029
16,00	14,2	6,0	60,0	39189	1	100	0,046



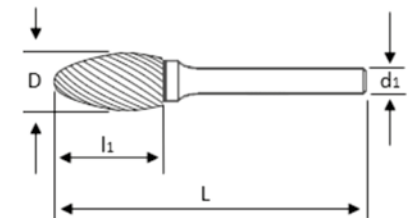
## OVAL



D (mm)	C. Corte l1 (mm)	Haste d1 (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	10,0	6,0	55,0	39190	1	100	0,016
8,00	13,0	6,0	58,0	39191	1	100	0,020
10,00	16,0	6,0	61,0	39192	1	100	0,027
12,00	20,0	6,0	65,0	39193	1	100	0,039
16,00	25,0	6,0	70,0	39194	1	100	0,073



## LABAREDA



D (mm)	C. Corte l1 (mm)	Haste d1 (mm)	C. Total L (mm)	Código	Quant.	Emb. Master	Peso Kg Unit.
6,00	18,0	6,0	63,0	39205	1	100	0,018
8,00	20,0	6,0	65,0	39206	1	100	0,024
10,00	25,0	6,0	70,0	39207	1	100	0,031
12,00	32,0	6,0	76,0	39208	1	100	0,055
16,00	36,0	6,0	80,0	39209	1	100	0,085

