

**ÁRVORE ARREDONDADA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	6	3	38
6,0	13	3	45
6,0	19	6	50
8,0	19	6	65
10,0	19	6	65
12,0	19	6	65
12,0	25	6	70
16,0	25	6	70

**ÁRVORE PONTIAGUDA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	10	3	38
6,0	13	3	45
6,0	16	6	50
8,0	19	6	65
10,0	19	6	65
12,0	19	6	65

**CILÍNDRICA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	13	3	38
4,0	16	6	50
6,0	13	3	45
6,0	19	6	50
6,0	25	6	50
8,0	19	6	65
10,0	19	6	65
10,0	25	6	70
12,0	19	6	65
12,0	25	6	70
16,0	25	6	70

**CILÍNDRICA C/ CORTE NO TOPO  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	13	3	38
3,0	13	3	50
6,0	13	3	45
6,0	19	6	50
6,0	19	6	75
6,0	25	6	50
8,0	19	6	65
10,0	19	6	65
10,0	25	6	70
12,0	19	6	65
12,0	25	6	70
16,0	25	8	70

**CILÍNDRICA C/ TOPO ESFÉRICO  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	13	3	38
3,0	13	3	50
6,0	13	3	45
6,0	19	6	50
6,0	25	6	50
8,0	19	6	65
10,0	19	6	65
10,0	25	6	70
12,0	19	6	65
12,0	25	6	70

**CÔNICA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	11	3	38
6,0	13	3	45
6,0	19	6	50
6,0	25	6	50
10,0	16	6	65
12,0	19	6	65
16,0	22	6	73

# LIMAS ROTATIVAS - CORTE SIMPLES

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	4	6	50
10,0	8	6	55
12,0	11	6	60
16,0	14,5	6	70

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	1,5	3	38
6,0	3	6	50
10,0	5	6	55
12,0	6	6	54
16,0	8	6	60

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	9,5	3	38
6,0	19	6	50
10,0	19	6	65
10,0	27	6	75
12,0	30	6	75
16,0	33	8	78

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	7	3	38
6,0	7	6	50
9,5	9,5	6	53
12,0	13	6	58
16,0	19	6	63

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	2,5	6	50
4,0	3,6	3	45
6,0	5,4	3	38
6,0	5,4	6	50
8,0	7,2	6	52
10,0	9	6	53
12,0	10,8	6	55
16,0	14,4	8	60

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	8	3	38
6,0	14	6	50
8,0	19	6	65
10,0	19	6	65
12,0	32	6	77
16,0	36	6	80

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	6	3	38
6,0	10	6	50
8,0	13	6	58
10,0	16	6	60
12,0	22	6	67
16,0	25	6	70

**CÔNICA 60°  
METAL DURO (MD)**



**CÔNICA 90°  
METAL DURO (MD)**



**CÔNICA COM RAIO  
METAL DURO (MD)**



**CÔNICA INVERTIDA  
METAL DURO (MD)**



**ESFÉRICA  
METAL DURO (MD)**



**LABAREDA  
METAL DURO (MD)**



**OVAL  
METAL DURO (MD)**



**ÁRVORE ARREDONDADA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	6	3	38
6,0	13	3	45
6,0	19	6	50
8,0	19	6	65
10,0	19	6	65
12,0	19	6	65
12,0	25	6	70
16,0	25	6	70

**ÁRVORE PONTIAGUDA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	10	3	38
6,0	13	3	45
6,0	16	6	50
8,0	19	6	65
10,0	19	6	65
12,0	19	6	65

**CILÍNDRICA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	13	3	38
4,0	16	6	50
6,0	13	3	45
6,0	19	6	50
6,0	25	6	50
8,0	19	6	65
10,0	19	6	65
10,0	25	6	70
12,0	19	6	65
12,0	25	6	70
16,0	25	6	70

**CILÍNDRICA C/ CORTE NO TOPO  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	13	3	38
3,0	13	3	50
6,0	13	3	45
6,0	19	6	50
6,0	19	6	75
6,0	25	6	50
8,0	19	6	65
10,0	19	6	65
10,0	25	6	70
12,0	19	6	65
12,0	25	6	70
16,0	25	8	70

**CILÍNDRICA C/ TOPO ESFÉRICO  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	13	3	38
3,0	13	3	50
6,0	13	3	45
6,0	19	6	50
6,0	25	6	50
8,0	19	6	65
10,0	19	6	65
10,0	25	6	70
12,0	19	6	65
12,0	25	6	70

**CÔNICA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	11	3	38
6,0	13	3	45
6,0	19	6	50
6,0	25	6	50
10,0	16	6	65
12,0	19	6	65
16,0	22	6	73

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	4	6	50
10,0	8	6	55
12,0	11	6	60
16,0	14,5	6	70

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	1,5	3	38
6,0	3	6	50
10,0	5	6	55
12,0	6	6	54
16,0	8	6	60

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	9,5	3	38
6,0	19	6	50
10,0	19	6	65
10,0	27	6	75
12,0	28	6	75
12,0	28	6	70
16,0	33	8	78

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	7	3	38
6,0	7	6	50
9,5	9,5	6	53
12,0	13	6	58
16,0	19	6	63

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	2,5	6	50
4,0	3,6	3	45
6,0	5,4	3	38
6,0	5,4	6	50
8,0	7,2	6	52
10,0	9	6	53
12,0	10,8	6	55
16,0	14,4	8	60

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	6	3	38
6,0	10	6	50
8,0	13	6	58
10,0	16	6	60
12,0	22	6	67
16,0	25	6	70

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
3,0	8	3	38
6,0	14	6	50
8,0	19	6	65
10,0	19	6	65
12,0	32	6	77
16,0	36	6	80

**CÔNICA 60°  
METAL DURO (MD)**



**CÔNICA 90°  
METAL DURO (MD)**



**CÔNICA COM RAIO  
METAL DURO (MD)**



**CÔNICA INVERTIDA  
METAL DURO (MD)**



**ESFÉRICA  
METAL DURO (MD)**



**OVAL  
METAL DURO (MD)**



**LABAREDA  
METAL DURO (MD)**



**ÁRVORE ARREDONDADA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	13	3	45
8,0	19	6	65
10,0	19	6	65
12,0	19	6	65
12,0	25	6	70
16,0	25	6	70

**ÁRVORE PONTIAGUDA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	16	6	50
8,0	19	6	65
10,0	19	6	65
12,0	19	6	65

**CILÍNDRICA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	19	6	50
8,0	19	6	65
10,0	25	6	70
16,0	25	6	70

**CILÍNDRICA C/ CORTE NO TOPO  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	19	6	50
10,0	25	6	70
16,0	25	8	70

**CILÍNDRICA C/ TOPO ESFÉRICO  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	13	3	45
8,0	19	6	65
10,0	19	6	65
12,0	25	6	70

**CÔNICA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	19	6	50
10,0	16	6	65
16,0	22	6	73

**CÔNICA 60°  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
10,0	8	6	55
12,0	11	6	60

**CÔNICA 90°  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	3	6	50
12,0	6	6	54

Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	19	6	50
10,0	27	6	75
16,0	33	8	78

**CÔNICA COM RAIO  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
9,5	9,5	6	53
16,0	19	6	63

**CÔNICA INVERTIDA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	5,4	6	50
10,0	9,0	6	53
16,0	14,4	6	60

**ESFÉRICA  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	10	6	50
8,0	13	6	58
10,0	16	6	60
16,0	25	6	70

**OVAL  
METAL DURO (MD)**



Ø mm	C. Corte (mm)	Ø Haste	C. Total (mm)
6,0	14	6	50
10,0	19	6	65
16,0	36	6	80

**LABAREDA  
METAL DURO (MD)**

