

# ENGRENAGEM CILÍNDRICA DE DENTES RETOS



## MÓDULO 1

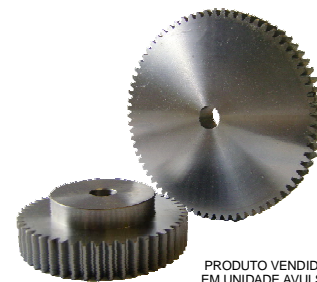
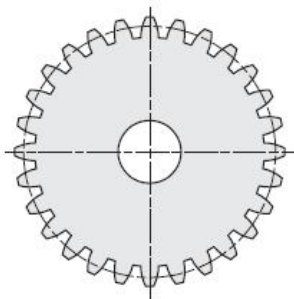
Dentes retos  
 Ângulo de pressão 20°  
 Material aço SAE 1045  
 Sem tratamento  
 Qualidade 9-10  
 segundo DIN 3962

A

B

25(mm)

15(mm)



PRODUTO VENDIDO  
 EM UNIDADE AVULSA

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401010012	12	14	12	9	6	0,01
BE401010013	13	15	13	10	6	0,02
BE401010014	14	16	14	11	6	0,02
BE401010015	15	17	15	12	6	0,02
BE401010016	16	18	16	13	6	0,03
BE401010017	17	19	17	14	6	0,03
BE401010018	18	20	18	15	8	0,03
BE401010019	19	21	19	15	8	0,04
BE401010020	20	22	20	16	8	0,04
BE401010021	21	23	21	16	8	0,05
BE401010022	22	24	22	16	8	0,05
BE401010023	23	25	23	18	8	0,06
BE401010024	24	26	24	20	10	0,06
BE401010025	25	27	25	20	10	0,07
BE401010026	26	28	26	20	10	0,07
BE401010027	27	29	27	20	10	0,08
BE401010028	28	30	28	20	10	0,08
BE401010029	29	31	29	20	10	0,09
BE401010030	30	32	30	20	10	0,09
BE401010031	31	33	31	25	10	0,11
BE401010032	32	34	32	25	10	0,12
BE401010033	33	35	33	25	10	0,12
BE401010034	34	36	34	25	10	0,13
BE401010035	35	37	35	25	10	0,14
BE401010036	36	38	36	25	10	0,14
BE401010037	37	39	37	25	10	0,15
BE401010038	38	40	38	25	10	0,16
BE401010039	39	41	39	25	10	0,16
BE401010040	40	42	40	25	10	0,17
BE401010041	41	43	41	30	10	0,19
BE401010042	42	44	42	30	10	0,20
BE401010043	43	45	43	30	10	0,21
BE401010044	44	46	44	30	10	0,22
BE401010045	45	47	45	30	10	0,23
BE401010046	46	48	46	30	10	0,23
BE401010047	47	49	47	30	10	0,24
BE401010048	48	50	48	30	10	0,25
BE401010049	49	51	49	30	10	0,26
BE401010050	50	52	50	30	12	0,26
BE401010051	51	53	51	40	12	0,32
BE401010052	52	54	52	40	12	0,33
BE401010053	53	55	53	40	12	0,33
BE401010054	54	56	54	40	12	0,34
BE401010055	55	57	55	40	12	0,36
BE401010056	56	58	56	40	12	0,37
BE401010057	57	59	57	40	12	0,38
BE401010058	58	60	58	40	12	0,39
BE401010059	59	61	59	40	12	0,40
BE401010060	60	62	60	40	12	0,41

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401010061	61	63	61	50	12	0,47
BE401010062	62	64	62	50	12	0,49
BE401010063	63	65	63	50	12	0,50
BE401010064	64	66	64	50	12	0,51
BE401010065	65	67	65	50	12	0,52
BE401010066	66	68	66	50	12	0,53
BE401010067	67	69	67	50	12	0,55
BE401010068	68	70	68	50	12	0,56
BE401010069	69	71	69	50	12	0,57
BE401010070	70	72	70	50	12	0,58
BE411010072	72	74	72	-	12	0,46
BE411010075	75	77	75	-	12	0,51
BE411010076	76	78	76	-	12	0,52
BE411010080	80	82	80	-	12	0,58
BE411010085	85	87	85	-	12	0,65
BE411010090	90	92	90	-	12	0,73
BE411010095	95	97	95	-	12	0,82
BE411010100	100	102	100	-	12	0,91
BE411010110	110	112	110	-	12	1,10
BE411010114	114	116	114	-	12	1,19
BE411010120	120	122	120	-	12	1,32
BE411010127	127	129	127	-	12	1,47



# ENGRENAGEM CILÍNDRICA DE DENTES RETOS

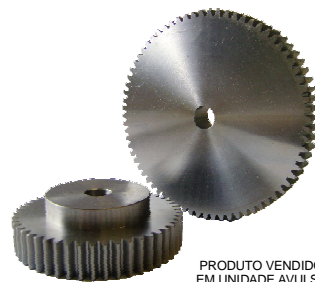
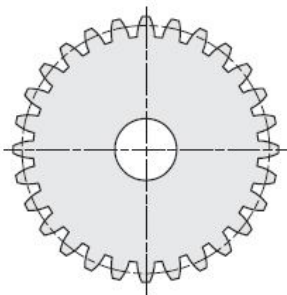
## MÓDULO 1,5

Dentes retos  
 Ângulo de pressão 20°  
 Material aço SAE 1045  
 Sem tratamento  
 Qualidade 9-10  
 segundo DIN 3962

**A****B**

40(mm)

17(mm)



PRODUTO VENDIDO  
 EM UNIDADE AVULSA

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401015012	12	21,0	18,0	14	8	0,04
BE401015013	13	22,5	19,5	15	8	0,05
BE401015014	14	24,0	21,0	17	8	0,06
BE401015015	15	25,5	22,5	18	8	0,07
BE401015016	16	27,0	24,0	19	8	0,08
BE401015017	17	28,5	25,5	20	8	0,09
BE401015018	18	30,0	27,0	20	8	0,10
BE401015019	19	31,5	28,5	20	8	0,10
BE401015020	20	33,0	30,0	25	8	0,13
BE401015021	21	34,5	31,5	25	10	0,13
BE401015022	22	36,0	33,0	25	10	0,14
BE401015023	23	37,5	34,5	25	10	0,16
BE401015024	24	39,0	36,0	25	10	0,17
BE401015025	25	40,5	37,5	25	10	0,18
BE401015026	26	42,0	39,0	30	12	0,20
BE401015027	27	43,5	40,5	30	12	0,22
BE401015028	28	45,0	42,0	30	12	0,23
BE401015029	29	46,5	43,5	30	12	0,24
BE401015030	30	48,0	45,0	30	12	0,26
BE401015031	31	49,5	46,5	35	12	0,30
BE401015032	32	51,0	48,0	35	12	0,31
BE401015033	33	52,5	49,5	35	12	0,33
BE401015034	34	54,0	51,0	35	12	0,34
BE401015035	35	55,5	52,5	35	12	0,36
BE401015036	36	57,0	54,0	35	12	0,37
BE401015037	37	58,5	55,5	40	12	0,42
BE401015038	38	60,0	57,0	40	12	0,44
BE401015039	39	61,5	58,5	40	12	0,46
BE401015040	40	63,0	60,0	40	12	0,48
BE401015041	41	64,5	61,5	40	12	0,50
BE401015042	42	66,0	63,0	50	12	0,59
BE401015043	43	67,5	64,5	50	12	0,61
BE401015044	44	69,0	66,0	50	12	0,63
BE401015045	45	70,5	67,5	50	12	0,65
BE401015046	46	72,0	69,0	50	14	0,66
BE401015047	47	73,5	70,5	50	14	0,70
BE401015048	48	75,0	72,0	50	14	0,70
BE401015049	49	76,5	73,5	50	14	0,73
BE401015050	50	78,0	75,0	50	14	0,76
BE401015051	51	79,5	76,5	60	14	0,86
BE401015052	52	81,0	78,0	60	14	0,89
BE401015053	53	82,5	79,5	60	14	0,91
BE401015054	54	84,0	81,0	60	14	0,94
BE401015055	55	85,5	82,5	60	14	0,96
BE401015056	56	87,0	84,0	60	16	0,98
BE401015057	57	88,5	85,5	60	16	1,00
BE401015058	58	90,0	87,0	60	16	1,03
BE401015059	59	91,5	88,5	60	16	1,06
BE401015060	60	93,0	90,0	60	16	1,09

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401015061	61	94,5	91,5	70	16	1,22
BE401015062	62	96,0	93,0	70	16	1,25
BE401015063	63	97,5	94,5	70	16	1,28
BE401015064	64	99,0	96,0	70	16	1,31
BE401015065	65	100,5	97,5	70	16	1,34
BE401015066	66	102,0	99,0	70	16	1,37
BE401015067	67	103,5	100,5	70	16	1,40
BE401015068	68	105,0	102,0	70	16	1,43
BE401015069	69	106,5	103,5	70	16	1,46
BE401015070	70	108,0	105,0	70	16	1,50
BE411015072	72	111,0	108,0	-	16	1,19
BE411015075	75	115,5	112,5	-	16	1,30
BE411015076	76	117,0	114,0	-	16	1,33
BE411015080	80	123,0	120,0	-	16	1,48
BE411015085	85	130,5	127,5	-	16	1,67
BE411015090	90	138,0	135,0	-	16	1,88
BE411015095	95	145,5	142,5	-	16	2,09
BE411015100	100	153,0	150,0	-	16	2,32
BE411015110	110	168,0	165,0	-	16	2,82
BE411015114	114	174,0	171,0	-	16	3,03
BE411015120	120	183,0	180,0	-	16	3,36
BE411015127	127	193,5	190,5	-	16	3,77

\* Os produtos acima estão sujeitos a modificações técnicas ou dimensionais sem aviso prévio.

# ENGRENAGEM CILÍNDRICA DE DENTES RETOS



## MÓDULO 2

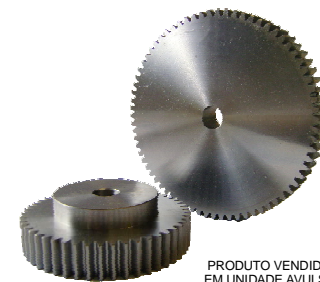
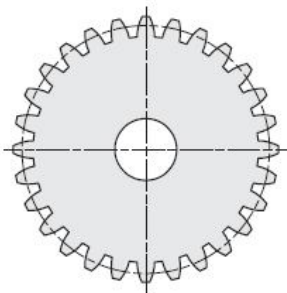
Dentes retos  
 Ângulo de pressão 20°  
 Material aço SAE 1045  
 Sem tratamento  
 Qualidade 9-10  
 segundo DIN 3962

A

B

35(mm)

20(mm)



PRODUTO VENDIDO  
 EM UNIDADE AVULSA

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401020012	12	28	24	18	10	0,08
BE401020013	13	30	26	20	10	0,10
BE401020014	14	32	28	22	10	0,12
BE401020015	15	34	30	24	10	0,14
BE401020016	16	36	32	25	10	0,16
BE401020017	17	38	34	25	10	0,18
BE401020018	18	40	36	25	10	0,19
BE401020019	19	42	38	25	10	0,21
BE401020020	20	44	40	30	10	0,26
BE401020021	21	46	42	30	12	0,27
BE401020022	22	48	44	30	12	0,29
BE401020023	23	50	46	30	12	0,31
BE401020024	24	52	48	35	12	0,36
BE401020025	25	54	50	35	12	0,39
BE401020026	26	56	52	40	12	0,45
BE401020027	27	58	54	40	12	0,47
BE401020028	28	60	56	40	12	0,50
BE401020029	29	62	58	40	14	0,52
BE401020030	30	64	60	40	14	0,55
BE401020031	31	66	62	45	14	0,61
BE401020032	32	68	64	45	14	0,65
BE401020033	33	70	66	45	14	0,68
BE401020034	34	72	68	45	14	0,71
BE401020035	35	74	70	45	14	0,74
BE401020036	36	76	72	45	14	0,78
BE401020037	37	78	74	50	14	0,86
BE401020038	38	80	76	50	14	0,90
BE401020039	39	82	78	50	14	0,93
BE401020040	40	84	80	50	14	0,97
BE401020041	41	86	82	55	16	1,05
BE401020042	42	88	84	55	16	1,09
BE401020043	43	90	86	55	16	1,13
BE401020044	44	92	88	60	16	1,23
BE401020045	45	94	90	60	16	1,27
BE401020046	46	96	92	60	16	1,31
BE401020047	47	98	94	70	16	1,48
BE401020048	48	100	96	70	16	1,53
BE401020049	49	102	98	70	16	1,57
BE401020050	50	104	100	70	16	1,62
BE401020051	51	106	102	70	16	1,67
BE401020052	52	108	104	70	16	1,72
BE401020053	53	110	106	70	16	1,78
BE401020054	54	112	108	70	16	1,83
BE401020055	55	114	110	70	16	1,88
BE401020056	56	116	112	70	16	1,94
BE401020057	57	118	114	70	16	1,99
BE401020058	58	120	116	70	16	2,05
BE401020059	59	122	118	70	16	2,11
BE401020060	60	124	120	70	16	2,16

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401020061	61	126	122	80	16	2,36
BE401020062	62	128	124	80	16	2,42
BE401020063	63	130	126	80	16	2,48
BE401020064	64	132	128	80	16	2,55
BE401020065	65	134	130	80	16	2,61
BE401020066	66	136	132	80	16	2,67
BE401020067	67	138	134	80	16	2,74
BE401020068	68	140	136	80	16	2,81
BE401020069	69	142	138	80	16	2,87
BE401020070	70	144	140	80	16	2,94
BE411020072	72	148	144	-	16	2,50
BE411020075	75	154	150	-	20	2,71
BE411020076	76	156	152	-	20	2,79
BE411020080	80	164	160	-	20	3,09
BE411020085	85	174	170	-	20	3,50
BE411020090	90	184	180	-	20	3,93
BE411020095	95	194	190	-	20	4,39
BE411020100	100	204	200	-	20	4,87
BE411020110	110	224	220	-	20	5,90
BE411020114	114	232	228	-	20	6,34
BE411020120	120	244	240	-	20	7,03
BE411020127	127	258	254	-	20	7,89

\* Os produtos acima estão sujeitos a modificações técnicas ou dimensionais sem aviso prévio.

# ENGRENAGEM CILÍNDRICA DE DENTES RETOS



## MÓDULO 3

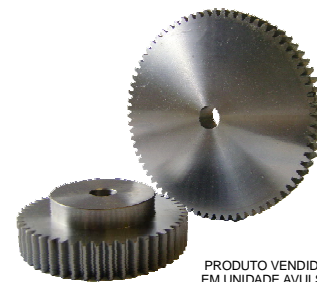
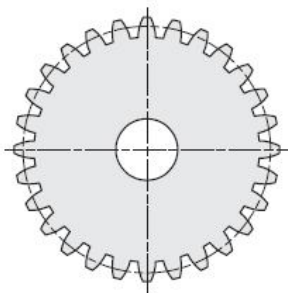
Dentes retos  
 Ângulo de pressão 20°  
 Material aço SAE 1045  
 Sem tratamento  
 Qualidade 9-10  
 segundo DIN 3962

A

B

50(mm)

30(mm)



PRODUTO VENDIDO  
 EM UNIDADE AVULSA

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401030012	12	42	36	27	12	0,28
BE401030013	13	45	39	30	12	0,34
BE401030014	14	48	42	33	12	0,41
BE401030015	15	51	45	35	12	0,47
BE401030016	16	54	48	38	14	0,54
BE401030017	17	57	51	42	14	0,63
BE401030018	18	60	54	45	14	0,72
BE401030019	19	63	57	45	14	0,78
BE401030020	20	66	60	45	14	0,84
BE401030021	21	69	63	45	16	0,89
BE401030022	22	72	69	50	16	1,02
BE401030023	23	75	69	50	16	1,10
BE401030024	24	78	72	50	16	1,18
BE401030025	25	81	75	60	16	1,39
BE401030026	26	84	78	60	16	1,48
BE401030027	27	87	81	60	16	1,56
BE401030028	28	90	84	60	16	1,66
BE401030029	29	93	87	60	16	1,75
BE401030030	30	96	90	60	16	1,85
BE401030031	31	99	93	60	16	1,95
BE401030032	32	102	96	70	16	2,21
BE401030033	33	105	99	70	16	2,32
BE401030034	34	108	102	70	16	2,43
BE401030035	35	111	105	70	16	2,55
BE401030036	36	114	108	70	20	2,62
BE401030037	37	117	111	70	20	2,74
BE401030038	38	120	114	80	20	3,05
BE401030039	39	123	117	80	20	3,18
BE401030040	40	126	120	80	20	3,31
BE401030041	41	129	123	80	20	3,44
BE401030042	42	132	126	80	20	3,58
BE401030043	43	135	129	80	20	3,72
BE401030044	44	138	132	90	20	4,07
BE401030045	45	141	135	90	20	4,22
BE401030046	46	144	138	90	20	4,37
BE401030047	47	147	141	100	20	4,76
BE401030048	48	150	144	100	20	4,92
BE411030050	50	156	150	-	20	4,06
BE411030052	52	162	156	-	20	4,40
BE411030055	55	171	165	-	20	4,93
BE411030057	57	177	171	-	20	5,30
BE411030060	60	186	180	-	20	5,89
BE411030065	65	201	195	-	20	6,92
BE411030070	70	216	210	-	25	8,00
BE411030072	72	222	216	-	25	8,47
BE411030075	75	231	225	-	25	9,21

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE411030076	76	234	228	-	25	9,46
BE411030080	80	246	240	-	25	10,49
BE411030085	85	261	255	-	25	11,86
BE411030090	90	276	270	-	25	13,32
BE411030095	95	291	285	-	25	14,86
BE411030100	100	306	300	-	25	16,48
BE411030110	110	336	320	-	25	19,97
BE411030114	114	348	342	-	30	21,40
BE411030120	120	366	360	-	30	23,74
BE411030127	127	387	381	-	30	26,61



# ENGRENAGEM CILÍNDRICA DE DENTES RETOS

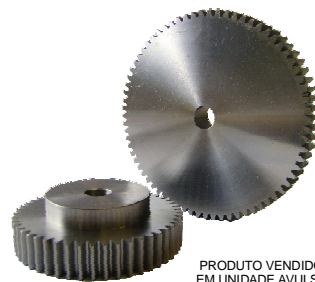
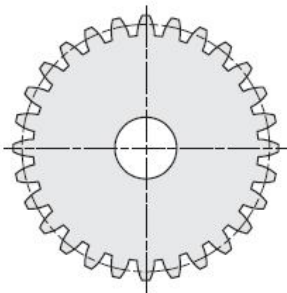
## MÓDULO 2,5

Dentes retos  
 Ângulo de pressão 20°  
 Material aço SAE 1045  
 Sem tratamento  
 Qualidade 9-10  
 segundo DIN 3962

**A****B**

40(mm)

25(mm)



PRODUTO VENDIDO  
 EM UNIDADE AVULSA

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401025012	12	35,0	30,0	22	10	0,17
BE401025013	13	37,5	32,5	25	10	0,21
BE401025014	14	40,0	35,0	28	10	0,25
BE401025015	15	42,5	37,5	30	10	0,30
BE401025016	16	45,0	40,0	32	12	0,33
BE401025017	17	47,5	42,5	35	12	0,38
BE401025018	18	50,0	45,0	35	12	0,42
BE401025019	19	52,5	47,5	35	12	0,45
BE401025020	20	55,0	50,0	40	12	0,54
BE401025021	21	57,5	52,5	40	14	0,56
BE401025022	22	60,0	55,0	45	14	0,66
BE401025023	23	62,5	57,5	45	14	0,70
BE401025024	24	65,0	60,0	45	14	0,74
BE401025025	25	67,5	62,5	50	14	0,85
BE401025026	26	70,0	65,0	50	14	0,90
BE401025027	27	72,5	67,5	50	14	0,95
BE401025028	28	75,0	70,0	50	14	1,00
BE401025029	29	77,5	72,5	50	14	1,06
BE401025030	30	80,0	75,0	55	14	1,18
BE401025031	31	82,5	77,5	55	16	1,22
BE401025032	32	85,0	80,0	55	16	1,28
BE401025033	33	87,5	82,5	55	16	1,34
BE401025034	34	90,0	85,0	55	16	1,41
BE401025035	35	92,5	87,5	60	16	1,54
BE401025036	36	95,0	90,0	60	16	1,61
BE401025037	37	97,5	92,5	60	16	1,68
BE401025038	38	100,0	95,0	60	16	1,75
BE401025039	39	102,5	97,5	60	16	1,83
BE401025040	40	105,0	100,0	70	16	2,06
BE401025041	41	107,5	102,5	70	16	2,14
BE401025042	42	110,0	105,0	70	16	2,22
BE401025043	43	112,5	107,5	70	16	2,30
BE401025044	44	115,0	110,0	70	16	2,38
BE401025045	45	117,5	112,5	70	16	2,47
BE401025046	46	120,0	115,0	70	20	2,52
BE401025047	47	122,5	117,5	80	20	2,80
BE401025048	48	125,0	120,0	80	20	2,88
BE401025049	49	127,5	122,5	80	20	2,98
BE401025050	50	130,0	125,0	80	20	3,07
BE401025051	51	132,5	127,5	80	20	3,17
BE401025052	52	135,0	130,0	90	20	3,48
BE401025053	53	137,5	132,5	90	20	3,58
BE401025054	54	140,0	135,0	90	20	3,68
BE401025055	55	142,5	137,5	90	20	3,78
BE401025056	56	145,0	140,0	100	20	4,13
BE401025057	57	147,5	142,5	100	20	4,23
BE401025058	58	150,0	145,0	100	20	4,34
BE401025059	59	152,5	147,5	100	20	4,46
BE401025060	60	155,0	150,0	100	20	4,57

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE411025065	65	167,5	162,5	-	20	3,99
BE411025070	70	180,0	175,0	-	20	4,64
BE411025072	72	185,0	180,0	-	20	4,91
BE411025075	75	192,5	187,5	-	20	5,33
BE411025076	76	195,0	190,0	-	20	5,48
BE411025080	80	205,0	200,0	-	25	6,04
BE411025085	85	217,5	212,5	-	25	6,84
BE411025090	90	230,0	225,0	-	25	7,68
BE411025095	95	242,5	237,5	-	25	8,57
BE411025100	100	255,0	250,0	-	25	9,51
BE411025110	110	280,0	275,0	-	25	11,53
BE411025114	114	290,0	285,0	-	25	12,39
BE411025120	120	305,0	300,0	-	25	13,74
BE411025127	127	322,5	317,5	-	25	15,40

\* Os produtos acima estão sujeitos a modificações técnicas ou dimensionais sem aviso prévio.



# ENGRENAGEM CILÍNDRICA DE DENTES RETOS

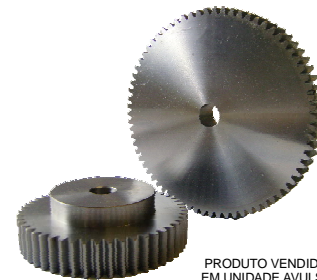
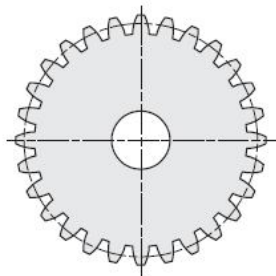
## MÓDULO 4

Dentes retos  
 Ângulo de pressão 20°  
 Material aço SAE 1045  
 Sem tratamento  
 Qualidade 9-10  
 segundo DIN 3962

**A****B**

60(mm)

40(mm)



PRODUTO VENDIDO  
 EM UNIDADE AVULSA

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401040012	12	56	48	35	14	0,63
BE401040013	13	60	52	40	14	0,78
BE401040014	14	64	56	45	14	0,93
BE401040015	15	68	60	45	14	1,05
BE401040016	16	72	64	50	16	1,20
BE401040017	17	76	68	50	16	1,33
BE401040018	18	80	72	50	16	1,47
BE401040019	19	84	76	60	16	1,75
BE401040020	20	88	80	60	16	1,90
BE401040021	21	92	84	70	16	2,22
BE401040022	22	96	88	70	16	2,39
BE401040023	23	100	92	75	20	2,60
BE401040024	24	104	96	75	20	2,79
BE401040025	25	108	100	75	20	2,98
BE401040026	26	112	104	75	20	3,18
BE401040027	27	116	108	75	20	3,39
BE401040028	28	120	112	75	20	3,60
BE401040029	29	124	116	75	20	3,83
BE401040030	30	128	120	75	20	4,06
BE401040031	31	132	124	80	20	4,39
BE401040032	32	136	128	80	20	4,64
BE401040033	33	140	132	80	20	4,90
BE401040034	34	144	136	80	20	5,16
BE401040035	35	148	140	80	20	5,43
BE401040036	36	152	144	80	25	5,63
BE411040038	38	160	152	-	25	5,20
BE411040040	40	168	160	-	25	6,11
BE411040045	45	188	180	-	25	7,78
BE411040048	48	200	192	-	25	8,87
BE411040050	50	208	200	-	25	9,65
BE411040052	52	216	208	-	25	10,45
BE411040055	55	228	220	-	25	11,71
BE411040057	57	236	228	-	25	12,59
BE411040060	60	248	240	-	25	13,97
BE411040065	65	268	260	-	25	16,43
BE411040070	70	288	280	-	25	19,09

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE411040075	75	308	300	-	25	21,94
BE411040076	76	312	304	-	30	22,47
BE411040080	80	328	320	-	30	24,93
BE411040085	85	348	340	-	30	28,18
BE411040090	90	368	360	-	30	31,62
BE411040095	95	388	380	-	30	35,26
BE411040100	100	408	400	-	30	39,11
BE411040110	110	448	440	-	30	47,38
BE411040114	114	464	456	-	30	50,91

# ENGRENAGEM CILÍNDRICA DE DENTES RETOS



## MÓDULO 5

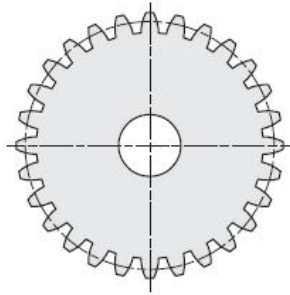
Dentes retos  
Ângulo de pressão 20°  
Material aço SAE 1045  
Sem tratamento  
Qualidade 9-10  
segundo DIN 3962

A

B

75<sub>(mm)</sub>

50<sub>(mm)</sub>



PRODUTO VENDIDO EM UNIDADE AVULSA

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401050012	12	70	60	45	20	1,21
BE401050013	13	75	65	50	20	1,47
BE401050014	14	80	70	55	20	1,76
BE401050015	15	85	75	60	20	2,07
BE401050016	16	90	80	65	20	2,40
BE401050017	17	95	85	70	20	2,75
BE401050018	18	100	90	70	20	3,02
BE401050019	19	105	95	70	20	3,30
BE401050020	20	110	100	80	20	3,83
BE401050021	21	115	105	80	20	4,15
BE401050022	22	120	110	80	20	4,48
BE401050023	23	125	115	90	20	5,08
BE401050024	24	130	120	90	20	5,44
BE401040025	25	135	125	90	20	5,82
BE401050026	26	140	130	100	20	6,50
BE401040027	27	145	135	100	20	6,91
BE401050028	28	150	140	100	25	7,22
BE401040029	29	155	145	110	25	7,98
BE401050030	30	160	150	110	25	8,44
BE411050032	32	170	160	-	25	7,62
BE411050035	35	185	175	-	25	9,16

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE411050038	38	200	190	-	25	10,84
BE411050040	40	210	200	-	25	12,04
BE411050045	45	235	225	-	25	15,30
BE411050048	48	250	240	-	25	17,44
BE411050050	50	260	250	-	30	18,86
BE411050052	52	270	260	-	30	20,43
BE411050055	55	285	275	-	30	22,89
BE411050057	57	295	285	-	30	24,62
BE411050060	60	310	300	-	30	27,31
BE411050065	65	335	325	-	30	32,12
BE411050070	70	360	350	-	30	37,31
BE411050075	75	385	375	-	30	42,88
BE411050076	76	390	380	-	30	44,04
BE411050080	80	410	400	-	30	48,84
BE411050085	85	435	425	-	30	55,19
BE411050090	90	460	450	-	30	61,92
BE411050095	95	485	475	-	30	69,03
BE411050100	100	510	500	-	30	76,53
BE411050110	110	560	550	-	30	92,69
BE411050114	114	580	570	-	30	99,59

## MÓDULO 6

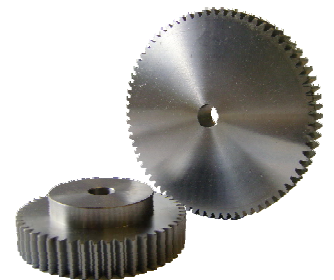
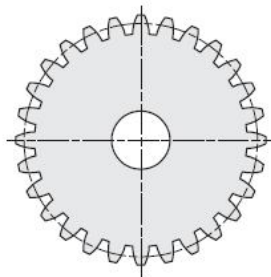
Dentes retos  
Ângulo de pressão 20°  
Material aço SAE 1045  
Sem tratamento  
Qualidade 9-10  
segundo DIN 3962

A

B

80<sub>(mm)</sub>

60<sub>(mm)</sub>



PRODUTO VENDIDO EM UNIDADE AVULSA

CÓDIGO	Z n° dentes	d <sub>e</sub>	d <sub>p</sub>	d <sub>m</sub>	D1	Peso (kg)
BE401060012	12	84	72	54	20	1,98
BE401060013	13	90	78	60	20	2,38
BE401060015	15	102	90	70	20	3,29
BE401060016	16	108	95	75	20	3,80
BE401060018	18	120	108	80	20	4,76
BE401060020	20	132	120	90	20	5,99
BE401060024	24	156	144	110	25	8,70
BE401060025	25	162	150	110	25	9,33
BE411060028	28	180	168	-	25	10,00
BE411060030	30	192	180	-	25	11,55
BE411060032	32	204	192	-	25	13,22
BE411060035	35	222	210	-	25	15,79
BE411060038	38	240	220	-	25	18,74
BE411060040	40	252	240	-	25	20,75

\* Os produtos acima estão sujeitos a modificações técnicas ou dimensionais sem aviso prévio.