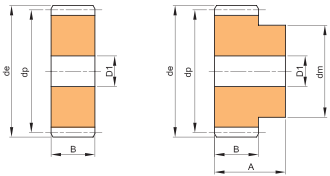
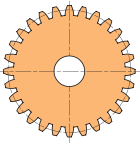
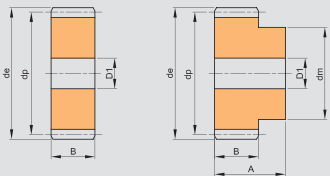
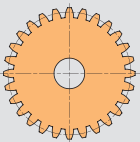
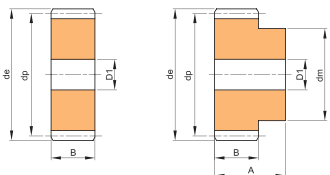
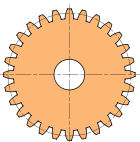
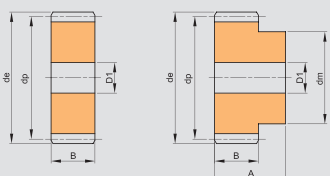
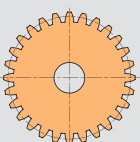
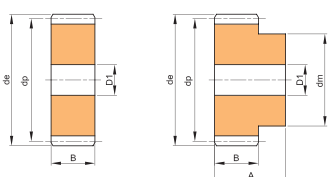
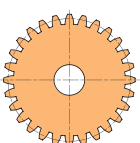
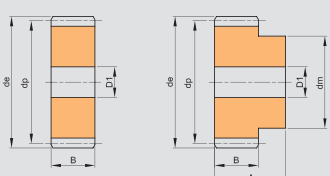
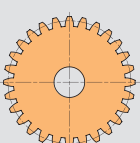
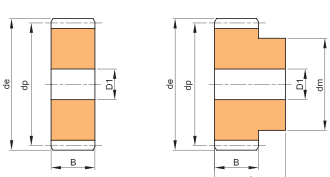
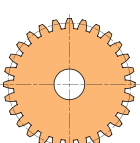
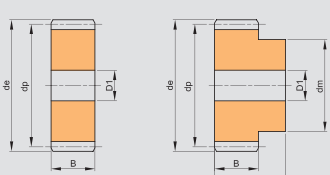
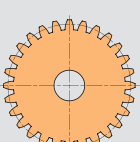
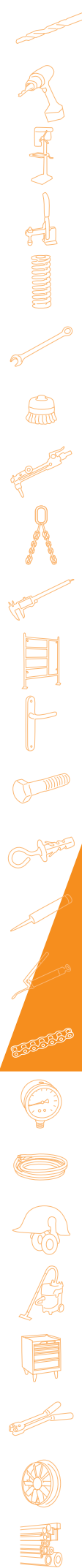


ENGRANAJES

1. Formas.

MÓDULO 1		
MÓDULO 1,5		
MÓDULO 2		
MÓDULO 2,5		
MÓDULO 3		
MÓDULO 4		
MÓDULO 5		
MÓDULO 6		



2. Entre Reductores y Rozamientos.

Engranajes Cilíndricos

ÁNGULO DE PRESIÓN 20°

MÓDULO 1

A	B
25	15

Material C 43 UNI 7847

Ref. catálogo	Z	de	dp	dm	D1	kg
17100001	12	14	12	9	-	0,01
17100002	13	15	13	10	-	0,02
17100003	14	16	14	11	-	0,02
17100004	15	17	15	12	-	0,02
17100005	16	18	16	13	-	0,03
17100006	17	19	17	14	-	0,03
17100007	18	20	18	15	8	0,03
17100008	19	21	19	15	8	0,04
17100009	20	22	20	16	8	0,04
17100010	21	23	21	16	8	0,05
17100011	22	24	22	16	8	0,05
17100012	23	25	23	18	8	0,06
17100013	24	26	24	20	10	0,06
17100014	25	27	25	20	10	0,07
17100015	26	28	26	20	10	0,07
17100016	27	29	27	20	10	0,08
17100017	28	30	28	20	10	0,08
17100018	29	31	29	20	10	0,09
17100019	30	32	30	20	10	0,09
17100020	31	33	31	25	10	0,11
17100021	32	34	32	25	10	0,12
17100022	33	35	33	25	10	0,12
17100023	34	36	34	25	10	0,13
17100024	35	37	35	25	10	0,14
17100025	36	38	36	25	10	0,14
17100026	37	39	37	25	10	0,15
17100027	38	40	38	25	10	0,16
17100028	39	41	39	25	10	0,16
17100029	40	42	40	25	10	0,17
17100030	41	43	41	30	10	0,19
17100031	42	44	42	30	10	0,20
17100032	43	45	43	30	10	0,21
17100033	44	46	44	30	10	0,22
17100034	45	47	45	30	10	0,23
17100035	46	48	46	30	10	0,23
17100036	47	49	47	30	10	0,24

Ref. catálogo	Z	de	dp	dm	D1	kg
17100037	48	50	48	30	10	0,25
17100038	49	51	49	30	10	0,26
17100039	50	52	50	30	12	0,26
17100040	51	53	51	40	12	0,32
17100041	52	54	52	40	12	0,33
17100042	53	55	53	40	12	0,33
17100043	54	56	54	40	12	0,34
17100044	55	57	55	40	12	0,36
17100045	56	58	56	40	12	0,37
17100046	57	59	57	40	12	0,38
17100047	58	60	58	40	12	0,39
17100048	59	61	59	40	12	0,40
17100049	60	62	60	40	12	0,41
17100050	61	63	61	50	12	0,47
17100051	62	64	62	50	12	0,49
17100052	63	65	63	50	12	0,50
17100053	64	66	64	50	12	0,51
17100054	65	67	65	50	12	0,52
17100055	66	68	66	50	12	0,53
17100056	67	69	67	50	12	0,55
17100057	68	70	68	50	12	0,56
17100058	69	71	69	50	12	0,57
17100059	70	72	70	50	12	0,58
17100060	72	74	72		12	0,46
17100061	75	77	75		12	0,51
17100062	76	78	76		12	0,52
17100063	80	82	80		12	0,58
17100064	85	87	85		12	0,65
17100065	90	92	90		12	0,73
17100066	95	97	95		12	0,82
17100067	100	102	100		12	0,91
17100068	110	112	110		12	1,10
17100069	114	116	114		12	1,19
17100070	120	122	120		12	1,32
17100071	127	129	127		12	1,47

Consultar la página 797 para ver formas.

MÓDULO 1,5

A	B
30	17

Material C 43 UNI 7847

Ref. catálogo	Z	de	dp	dm	D1	kg
17100072	12	21,0	18,0	14	8	0,04
17100073	13	22,5	19,5	15	8	0,05
17100074	14	24,0	21,0	17	8	0,06
17100075	15	25,5	22,5	18	8	0,07
17100076	16	27,0	24,0	19	8	0,08
17100077	17	28,5	25,5	20	8	0,09
17100078	18	30,0	27,0	20	8	0,10
17100079	19	31,5	28,5	20	8	0,10
17100080	20	33,0	30,0	25	8	0,13
17100081	21	34,5	31,5	25	10	0,13
17100082	22	36,0	33,0	25	10	0,14
17100083	23	37,5	34,5	25	10	0,16
17100084	24	39,0	36,0	25	10	0,17
17100085	25	40,5	37,5	25	10	0,18
17100086	26	42,0	39,0	30	12	0,20
17100087	27	43,5	40,5	30	12	0,22
17100088	28	45,0	42,0	30	12	0,23
17100089	29	46,5	43,5	30	12	0,24
17100090	30	48,0	45,0	30	12	0,26
17100091	31	49,5	46,5	35	12	0,30
17100092	32	51,0	48,0	35	12	0,31
17100093	33	52,5	49,5	35	12	0,33
17100094	34	54,0	51,0	35	12	0,34
17100095	35	55,5	52,5	35	12	0,36
17100096	36	57,0	54,0	35	12	0,37
17100097	37	58,5	55,5	40	12	0,42
17100098	38	60,0	57,0	40	12	0,44
17100099	39	61,5	58,5	40	12	0,46
17100100	40	63,0	60,0	40	12	0,48
17100101	41	64,5	61,5	40	12	0,50
17100102	42	66,0	63,0	50	12	0,59
17100103	43	67,5	64,5	50	12	0,61
17100104	44	69,0	66,0	50	12	0,63
17100105	45	70,5	67,5	50	12	0,65
17100106	46	72,0	69,0	50	14	0,66
17100107	47	73,5	70,5	50	14	0,70

Ref. catálogo	Z	de	dp	dm	D1	kg
17100108	48	75,0	72,0	50	14	0,70
17100109	49	76,5	73,5	50	14	0,73
17100110	50	78,0	75,0	50	14	0,76
17100111	51	79,5	76,5	60	14	0,86
17100112	52	81,0	78,0	60	14	0,89
17100113	53	82,5	79,5	60	14	0,91
17100114	54	84,0	81,0	60	14	0,94
17100115	55	85,5	82,5	60	14	0,96
17100116	56	87,0	84,0	60	16	0,98
17100117	57	88,5	85,5	60	16	1,00
17100118	58	90,0	87,0	60	16	1,03
17100119	59	91,5	88,5	60	16	1,06
17100120	60	93,0	90,0	60	16	1,09
17100121	61	94,5	91,5	70	16	1,22
17100122	62	96,0	93,0	70	16	1,25
17100123	63	97,5	94,5	70	16	1,28
17100124	64	99,0	96,0	70	16	1,31
17100125	65	100,5	97,5	70	16	1,34
17100126	66	102,0	99,0	70	16	1,37
17100127	67	103,5	100,5	70	16	1,40
17100128	68	105,0	102,0	70	16	1,43
17100129	69	106,5	103,5	70	16	1,46
17100130	70	108,0	105,0	70	16	1,50
17100131	72	111,0	108,0		16	1,19
17100132	75	115,5	112,5		16	1,30
17100133	76	117,0	114,0		16	1,33
17100134	80	123,0	120,0		16	1,48
17100135	85	130,5	127,5		16	1,67
17100136	90	138,0	135,0		16	1,88
17100137	95	145,5	142,5		16	2,09
17100138	100	153,0	150,0		16	2,32
17100139	110	168,0	165,0		16	2,82
17100140	114	174,0	171,0		16	3,03
17100141	120	183,0	180,0		16	3,36
17100142	127	193,5	190,5		16	3,77

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MÓDULO 2

A	B
35	20

Material C 43 UNI 7847

Ref. catálogo	Z	de	dp	dm	D1	kg
17100143	12	28	24	18	10	0,08
17100144	13	30	26	20	10	0,10
17100145	14	32	28	22	10	0,12
17100146	15	34	30	24	10	0,14
17100147	16	36	32	25	10	0,16
17100148	17	38	34	25	10	0,18
17100149	18	40	36	25	10	0,19
17100150	19	42	38	25	10	0,21
17100151	20	44	40	30	10	0,26
17100152	21	46	42	30	12	0,27
17100153	22	48	44	30	12	0,29
17100154	23	50	46	30	12	0,31
17100155	24	52	48	35	12	0,36
17100156	25	54	50	35	12	0,39

Ref. catálogo	Z	de	dp	dm	D1	kg
17100157	26	56	52	40	12	0,45
17100158	27	58	54	40	12	0,47
17100159	28	60	56	40	12	0,50
17100160	29	62	58	40	14	0,52
17100161	30	64	60	40	14	0,55
17100162	31	66	62	45	14	0,61
17100163	32	68	64	45	14	0,65
17100164	33	70	66	45	14	0,68
17100165	34	72	68	45	14	0,71
17100166	35	74	70	45	14	0,74
17100167	36	76	72	45	14	0,78
17100168	37	78	74	50	14	0,86
17100169	38	80	76	50	14	0,90
17100170	39	82	78	50	14	0,93



17/ TRANSMISIÓN

ENGRANAJES

Ref. catálogo	Z	de	dp	dm	D1	kg
17100171	40	84	80	50	14	0,97
17100172	41	86	82	55	16	1,05
17100173	42	88	84	55	16	1,09
17100174	43	90	86	55	16	1,13
17100175	44	92	88	60	16	1,23
17100176	45	94	90	60	16	1,27
17100177	46	96	92	60	16	1,31
17100178	47	98	94	70	16	1,48
17100179	48	100	96	70	16	1,53
17100180	49	102	98	70	16	1,57
17100181	50	104	100	70	16	1,62
17100182	51	106	102	70	16	1,67
17100183	52	108	104	70	16	1,72
17100184	53	110	106	70	16	1,78
17100185	54	112	108	70	16	1,83
17100186	55	114	110	70	16	1,88
17100187	56	116	112	70	16	1,94
17100188	57	118	114	70	16	1,99
17100189	58	120	116	70	16	2,05
17100190	59	122	118	70	16	2,11
17100191	60	124	120	70	16	2,16
17100192	61	126	122	80	16	2,36

Ref. catálogo	Z	de	dp	dm	D1	kg
17100193	62	128	124	80	16	2,42
17100194	63	130	126	80	16	2,48
17100195	64	132	128	80	16	2,55
17100196	65	134	130	80	16	2,61
17100197	66	136	132	80	16	2,67
17100198	67	138	134	80	16	2,74
17100199	68	140	136	80	16	2,81
17100200	69	142	138	80	16	2,87
17100201	70	144	140	80	16	2,94
17100202	72	148	144		16	2,50
17100203	75	154	150		20	2,71
17100204	76	156	152		20	2,79
17100205	80	164	160		20	3,09
17100206	85	174	170		20	3,50
17100207	90	184	180		20	3,93
17100208	95	194	190		20	4,39
17100209	100	204	200		20	4,87
17100210	110	224	220		20	5,90
17100211	114	232	228		20	6,34
17100212	120	244	240		20	7,03
17100213	127	258	254		20	7,89

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MÓDULO 2,5

A	B
45	25

Material C 43 UNI 7847

Ref. catálogo	Z	de	dp	dm	D1	kg
17100214	12	35,0	30,0	22	10	0,17
17100215	13	37,5	32,5	25	10	0,21
17100216	14	40,0	35,0	28	10	0,25
17100217	15	42,5	37,5	30	10	0,30
17100218	16	45,0	40,0	32	12	0,33
17100219	17	47,5	42,5	35	12	0,38
17100220	18	50,0	45,0	35	12	0,42
17100221	19	52,5	47,5	35	12	0,45
17100222	20	55,0	50,0	40	12	0,54
17100223	21	57,5	52,5	40	14	0,56
17100224	22	60,0	55,0	45	14	0,66
17100225	23	62,5	57,5	45	14	0,70
17100226	24	65,0	60,0	45	14	0,74
17100227	25	67,5	62,5	50	14	0,85
17100228	26	70,0	65,0	50	14	0,90
17100229	27	72,5	67,5	50	14	0,95
17100230	28	75,0	70,0	50	14	1,00
17100231	29	77,5	72,5	50	14	1,06
17100232	30	80,0	75,0	55	14	1,18
17100233	31	82,5	77,5	55	16	1,22
17100234	32	85,0	80,0	55	16	1,28
17100235	33	87,5	82,5	55	16	1,34
17100236	34	90,0	85,0	55	16	1,41
17100237	35	92,5	87,5	60	16	1,54
17100238	36	95,0	90,0	60	16	1,61
17100239	37	97,5	92,5	60	16	1,68
17100240	38	100,0	95,0	60	16	1,75
17100241	39	102,5	97,5	60	16	1,83
17100242	40	105,0	100,0	70	16	2,06
17100243	41	107,5	102,5	70	16	2,14
17100244	42	110,0	105,0	70	16	2,22
17100245	43	112,5	107,5	70	16	2,30

Ref. catálogo	Z	de	dp	dm	D1	kg
17100246	44	115,0	110,0	70	16	2,38
17100247	45	117,5	112,5	70	16	2,47
17100248	46	120,0	115,0	70	20	2,52
17100249	47	122,5	117,5	80	20	2,80
17100250	48	125,0	120,0	80	20	2,88
17100251	49	127,5	122,5	80	20	2,98
17100252	50	130,0	125,0	80	20	3,07
17100253	51	132,5	127,5	80	20	3,17
17100254	52	135,0	130,0	90	20	3,48
17100255	53	137,5	132,5	90	20	3,58
17100256	54	140,0	135,0	90	20	3,68
17100257	55	142,5	137,5	90	20	3,78
17100258	56	145,0	140,0	100	20	4,13
17100259	57	147,5	142,5	100	20	4,23
17100260	58	150,0	145,0	100	20	4,34
17100261	59	152,5	147,5	100	20	4,46
17100262	60	155,0	150,0	100	20	4,57
17100263	65	167,5	162,5		20	3,99
17100264	70	180,0	175,0		20	4,64
17100265	72	185,0	180,0		20	4,91
17100266	75	192,5	187,5		20	5,33
17100267	76	195,0	190,0		20	5,48
17100268	80	205,0	200,0		25	6,04
17100269	85	217,5	212,5		25	6,84
17100270	90	230,0	225,0		25	7,68
17100271	95	242,5	237,5		25	8,57
17100272	100	255,0	250,0		25	9,51
17100273	110	280,0	275,0		25	11,53
17100274	114	290,0	285,0		25	12,39
17100275	120	305,0	300,0		25	13,74
17100276	127	322,5	317,5		25	15,40

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MÓDULO 3

A	B
50	30

Material C 43 UNI 7847

Ref. catálogo	Z	de	dp	dm	D1	kg
17100277	12	42	36	27	12	0,28
17100278	13	45	39	30	12	0,34
17100279	14	48	42	33	12	0,41
17100280	15	51	45	35	12	0,47
17100281	16	54	48	38	14	0,54
17100282	17	57	51	42	14	0,63
17100283	18	60	54	45	14	0,72
17100284	19	63	57	45	14	0,78
17100285	20	66	60	45	14	0,84
17100286	21	69	63	45	16	0,89
17100287	22	72	66	50	16	1,02
17100288	23	75	69	50	16	1,10
17100289	24	78	72	50	16	1,18
17100290	25	81	75	60	16	1,39
17100291	26	84	78	60	16	1,48
17100292	27	87	81	60	16	1,56
17100293	28	90	84	60	16	1,66
17100294	29	93	87	60	16	1,75
17100295	30	96	90	60	16	1,85
17100296	31	99	93	60	16	1,95
17100297	32	102	96	70	16	2,21
17100298	33	105	99	70	16	2,32
17100299	34	108	102	70	16	2,43
17100300	35	111	105	70	16	2,55
17100301	36	114	108	70	20	2,62
17100302	37	117	111	70	20	2,74
17100303	38	120	114	80	20	3,05
17100304	39	123	117	80	20	3,18

Ref. catálogo	Z	de	dp	dm	D1	kg
17100305	40	126	120	80	20	3,31
17100306	41	129	123	80	20	3,44
17100307	42	132	126	80	20	3,58
17100308	43	135	129	80	20	3,72
17100309	44	138	132	90	20	4,07
17100310	45	141	135	90	20	4,22
17100311	46	144	138	90	20	4,37
17100312	47	147	141	100	20	4,76
17100313	48	150	144	100	20	4,92
17100314	50	156	150		20	4,06
17100315	52	162	156		20	4,40
17100316	55	171	165		20	4,93
17100317	57	177	171		20	5,30
17100318	60	186	180		20	5,89
17100319	65	201	195		20	6,92
17100320	70	216	210		25	8,00
17100321	72	222	216		25	8,47
17100322	75	231	225		25	9,21
17100323	76	234	228		25	9,46
17100324	80	246	240		25	10,49
17100325	85	261	255		25	11,86
17100326	90	276	270		25	13,32
17100327	95	291	285		25	14,86
17100328	100	306	300		25	16,48
17100329	110	336	320		25	19,97
17100330	114	348	342		30	21,40
17100331	120	366	360		30	23,74
17100332	127	387	381		30	26,61

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MÓDULO 4

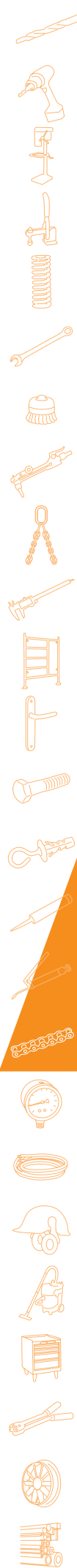
A	B
60	40

Material C 43 UNI 7847

Ref. catálogo	Z	de	dp	dm	D1	kg
17100333	12	56	48	35	14	0,63
17100334	13	60	52	40	14	0,78
17100335	14	64	56	45	14	0,93
17100336	15	68	60	45	14	1,05
17100337	16	72	64	50	16	1,20
17100338	17	76	68	50	16	1,33
17100339	18	80	72	50	16	1,47
17100340	19	84	76	60	16	1,75
17100341	20	88	80	60	16	1,90
17100342	21	92	84	70	16	2,22
17100343	22	96	88	70	16	2,39
17100344	23	100	92	75	20	2,60
17100345	24	104	96	75	20	2,79
17100346	25	108	100	75	20	2,98
17100347	26	112	104	75	20	3,18
17100348	27	116	108	75	20	3,39
17100349	28	120	112	75	20	3,60
17100350	29	124	116	75	20	3,83
17100351	30	128	120	75	20	4,06
17100352	31	132	124	80	20	4,39
17100353	32	136	128	80	20	4,64
17100354	33	140	132	80	20	4,90
17100355	34	144	136	80	20	5,16
17100356	35	148	140	80	20	5,43

Ref. catálogo	Z	de	dp	dm	D1	kg
17100357	36	152	144	80	25	5,63
17100358	38	160	152		25	5,20
17100359	40	168	160		25	6,11
17100360	45	188	180		25	7,78
17100361	48	200	192		25	8,87
17100362	50	208	200		25	9,65
17100363	52	216	208		25	10,45
17100364	55	228	220		25	11,71
17100365	57	236	228		25	12,59
17100366	60	248	240		25	13,97
17100367	65	268	260		25	16,43
17100368	70	288	280		25	19,09
17100369	75	308	300		25	21,94
17100370	76	312	304		30	22,47
17100371	80	328	320		30	24,93
17100372	85	348	340		30	28,18
17100373	90	368	360		30	31,62
17100374	95	388	380		30	35,26
17100375	100	408	400		30	39,11
17100376	110	448	440		30	47,38
17100377	114	464	456		30	50,91

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17/ TRANSMISIÓN

ENGRANAJES / ACOPLAMIENTOS

MÓDULO 5

A	B
75	50

Material C 43 UNI 7847

Ref. catálogo	Z	de	dp	dm	D1	kg
17100380	12	70	60	45	20	1,21
17100381	13	75	65	50	20	1,47
17100382	14	80	70	55	20	1,76
17100383	15	85	75	60	20	2,07
17100384	16	90	80	65	20	2,40
17100385	17	95	85	70	20	2,75
17100386	18	100	90	70	20	3,02
17100387	19	105	95	70	20	3,30
17100388	20	110	100	80	20	3,83
17100389	21	115	105	80	20	4,15
17100390	22	120	110	80	20	4,48
17100391	23	125	115	90	20	5,08
17100392	24	130	120	90	20	5,44
17100393	25	135	125	90	20	5,82
17100394	26	140	130	100	20	6,50
17100395	27	145	135	100	20	6,91
17100396	28	150	140	100	25	7,22
17100397	29	155	145	110	25	7,98
17100398	30	160	150	110	25	8,44
17100399	32	170	160		25	7,62
17100400	35	185	175		25	9,16
17100401	38	200	190		25	10,84

Ref. catálogo	Z	de	dp	dm	D1	kg
17100402	40	210	200		25	12,04
17100403	45	235	225		25	15,30
17100404	48	250	240		25	17,44
17100405	50	260	250		30	18,86
17100406	52	270	260		30	20,43
17100407	55	285	275		30	22,89
17100408	57	295	285		30	24,62
17100409	60	310	300		30	27,31
17100410	65	335	325		30	32,12
17100411	70	360	350		30	37,31
17100412	75	385	375		30	42,88
17100413	76	390	380		30	44,04
17100414	80	410	400		30	48,84
17100415	85	435	425		30	55,19
17100416	90	460	450		30	61,92
17100417	95	485	475		30	69,03
17100418	100	510	500		30	76,53
17100419	110	560	550		30	92,69
17100420	114	580	570		30	99,59

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MÓDULO 6

A	B
80	60

Material C 43 UNI 7847

Ref. catálogo	Z	de	dp	dm	D1	kg
17100421	12	84	72	54	20	1,82
17100422	13	90	78	60	20	2,20
17100423	15	102	90	70	20	3,01
17100424	16	108	95	75	20	3,46
17100425	18	120	108	80	20	4,33
17100426	20	132	120	90	20	5,43
17100427	24	156	144	110	25	7,88
17100428	25	162	150	110	25	8,42

Ref. catálogo	Z	de	dp	dm	D1	kg
17100429	28	180	168		25	8,41
17100430	30	192	180		25	9,69
17100431	32	204	192		25	11,05
17100432	35	222	210		25	13,27
17100433	38	240	228		25	15,69
17100434	40	252	240		25	17,42

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