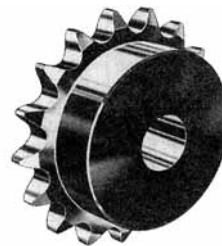
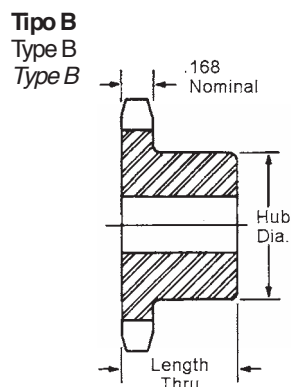
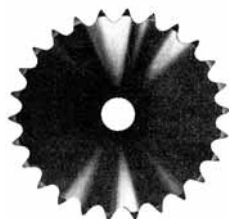
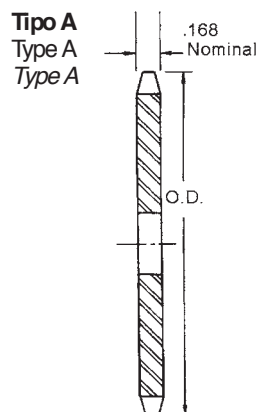


PIÑONES Y DISCOS NORMA AMERICANA (ASA) PIGNONS ET DISQUES NORME AMERICAINE (ASA) AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 35 paso 3/8" / No. 35 pas 3/8" / No. 35 3/8" Pitch



Simple, tipo B / Simple - Type B / Single - Type B

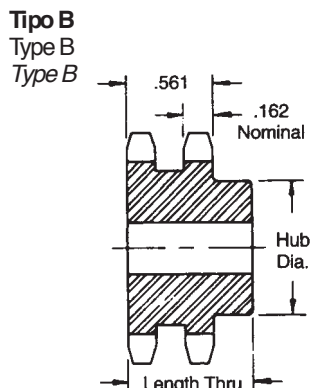
Simple, tipo A / Simple - Type B / Single - Type A

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox.) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type Type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en libras (aprox.) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
8	35B1Z8	1.130	B	3/8	3/8	3/4	3/4	.07				
9	35B1Z9	1.260	B	3/8	3/8	7/8	3/4	.09				
10	35B1Z10	1.380	B	3/8	9/16	1 1/8	3/4	.14				
11	35B1Z11	1.500	B	3/8	9/16	1 1/4	3/4	.17				
12	35B1Z12	1.630	B	1/2	1 1/8	1 1/2	3/4	.20				
13	35B1Z13	1.750	B	1/2	1 1/8	1 3/4	3/4	.23				
14	35B1Z14	1.870	B	1/2	7/8	1 7/8	3/4	.25				
15	35B1Z15	1.990	B	1/2	7/8	2	3/4	.29	A	35A1Z15	1/2	.10
16	35B1Z16	2.110	B	1/2	1 1/8	2 1/8	3/4	.35	A	35A1Z16	1/2	.12
17	35B1Z17	2.230	B	1/2	1 1/8	2 1/4	3/4	.42	A	35A1Z17	1/2	.12
18	35B1Z18	2.350	B	1/2	1 1/8	2 3/8	3/4	.48	A	35A1Z18	1/2	.14
19	35B1Z19	2.470	B	1/2	1 1/4	2 1/2	3/4	.54	A	35A1Z19	1/2	.16
20	35B1Z20	2.590	B	1/2	1 1/8	2 3/4	3/4	.59	A	35A1Z20	1/2	.20
21	35B1Z21	2.710	B	1/2	1 1/8	3	3/4	.80	A	35A1Z21	1/2	.20
22	35B1Z22	2.830	B	1/2	1 3/8	3 1/8	3/4	.80	A	35A1Z22	1/2	.22
23	35B1Z23	2.950	B	1/2	1 3/8	3 1/4	3/4	.82	A	35A1Z23	1/2	.24
24	35B1Z24	3.070	B	1/2	1 3/8	3 1/2	3/4	.88	A	35A1Z24	1/2	.26
25	35B1Z25	3.190	B	1/2	1 3/8	3 3/8	3/4	.88	A	35A1Z25	1/2	.28
26	35B1Z26	3.310	B	1/2	1 3/8	3 1/2	3/4	.90	A	35A1Z26	1/2	.28
27	35B1Z27	3.430	B	1/2	1 3/8	3 3/4	3/4	.94	A	35A1Z27	1/2	.34
28	35B1Z28	3.550	B	1/2	1 3/8	4	3/4	.94	A	35A1Z28	1/2	.34
30	35B1Z30	3.790	B	1/2	1 3/8	4 1/8	3/4	1.02	A	35A1Z30	1/2	.46
32	35B1Z32	4.030	B	1/2	1 3/8	4 1/4	3/4	1.24	A	35A1Z32	5/8	.46
35	35B1Z35	4.390	B	5/8	1 1/2	4 1/2	3/4	1.50	A	35A1Z35	5/8	.60
36	35B1Z36	4.510	B	5/8	1 1/2	4 3/4	3/4	1.56	A	35A1Z36	5/8	.62
40	35B1Z40	4.990	B	5/8	1 1/2	5 1/4	1	1.62	A	35A1Z40	1 1/8	.70
42	35B1Z42	5.230	B	5/8	1 1/2	5 1/2	1	1.68	A	35A1Z42	1 1/8	.78
45	35B1Z45	5.590	B	5/8	1 1/2	5 3/4	1	1.78	A	35A1Z45	1 1/8	.88
48	35B1Z48	5.950	B	5/8	1 1/2	6 1/4	1	1.88	A	35A1Z48	1 1/8	1.21
54	35B1Z54	6.660	B	5/8	1 1/2	6 3/4	1	2.20	A	35A1Z54	1 1/8	1.32
60	35B1Z60	7.380	B	3/4	1 1/2	7 1/4	1	2.48	A	35A1Z60	1 3/8	1.66
70	35B1Z70	8.580	B	3/4	1 1/2	8 1/4	1	3.12	A	35A1Z70	1 3/8	2.30
72	35B1Z72	8.810	B	3/4	1 1/2	8 1/2	1	3.42	A	35A1Z72	1 3/8	2.56
80	35B1Z80	9.770	B	3/4	1 1/2	9 1/4	1	3.82	A	35A1Z80	1 3/8	3.16
84	35B1Z84	10.250	B	3/4	1 1/2	9 3/4	1	4.24	A	35A1Z84	1 3/8	3.26
96	35B1Z96	11.680	B	3/4	1 1/2	11 1/4	1	5.16	A	35A1Z96	1 3/8	4.64

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) PIGNONS ET DISQUES NORME AMERICAINE (ASA) AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 35-2 paso 3/8" / No. 35-2 pas 3/8" / No. 35-2 3/8" Pitch



Doble, tipo B / Double - Type B / Double - Type B

Nº de dientes N. de dents No. Teeth	Nº de catálogo Numéro de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
12	35B2Z12	1.630	B	1/2	9/16	6 3/4	1 1/4	.32
13	35B2Z13	1.750	B	1/2	1 1/16	1 1/4	1 1/4	.36
14	35B2Z14	1.870	B	1/2	7/8	1 1/4	1 1/4	.44
15	35B2Z15	1.990	B	1/2	15/16	1 3/32	1 1/4	.56
16	35B2Z16	2.110	B	1/2	1 1/16	1 1/32	1 1/4	.64
17	35B2Z17	2.230	B	1/2	1 1/8	1 3/32	1 1/4	.74
18	35B2Z18	2.350	B	1/2	1 3/8	1 29/32	1 1/4	.84
19	35B2Z19	2.470	B	1/2	1 7/8	1 7/8	1 1/4	.96
20	35B2Z20	2.590	B	3/4	1 1/8	1 9/16	1 1/8	1.08
21	35B2Z21	2.710	B	3/4	1 3/8	2 1/16	1 3/8	1.24
22	35B2Z22	2.830	B	3/4	1 7/16	2 3/16	1 3/8	1.42
23	35B2Z23	2.950	B	3/4	1 1/2	2 1/4	1 3/8	1.54
24	35B2Z24	3.070	B	3/4	1 1/2	2 1/4	1 3/8	1.62
25	35B2Z25	3.190	B	3/4	1 1/2	2 1/4	1 3/8	1.66
26	35B2Z26	3.310	B	3/4	1 3/4	2 1/2	1 3/8	1.98
30	35B2Z30	3.790	B	3/4	1 3/4	2 1/2	1 3/8	2.34
36	35B2Z36	4.510	B	3/4	1 3/4	2 1/2	1 3/8	3.00
42	35B2Z42	5.230	B	3/4	1 3/4	2 1/2	1 3/8	3.80
48	35B2Z48	5.950	B	3/4	1 3/4	2 1/2	1 3/8	4.66
52	35B2Z52	6.430	B	3/4	1 3/4	2 1/2	1 3/8	5.40
60	35B2Z60	7.380	B	3/4	1 3/4	2 1/2	1 3/8	6.84
68	35B2Z68	8.340	B	3/4	2 3/8	3 1/2	1 1/2	10.01
72	35B2Z72	8.810	B	3/4	2 3/8	3 1/2	1 1/2	11.04
76	35B2Z76	9.290	B	3/4	2 3/8	3 1/2	1 1/2	11.94
84	35B2Z84	10.250	B	3/4	2 3/8	3 1/2	1 1/2	14.98
95	35B2Z95	11.560	B	1	2 3/4	3 1/2	1 1/2	17.42
96	35B2Z96	11.680	B	1	2 3/4	3 1/2	1 1/2	18.14
102	35B2Z102	12.400	B	1	2 3/4	3 1/2	1 1/2	19.92

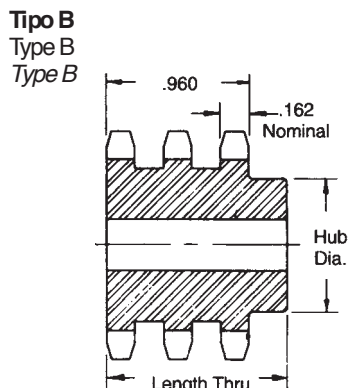
Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 35-3 paso 3/8" / No. 35-3 pas 3/8" / No. 35-3 3/8" Pitch



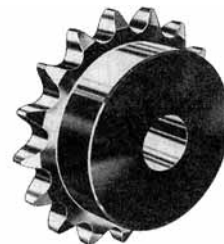
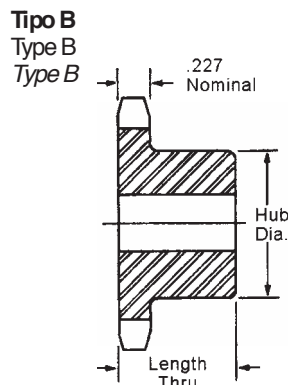
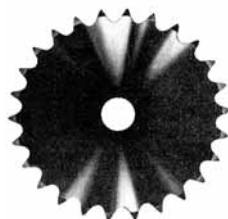
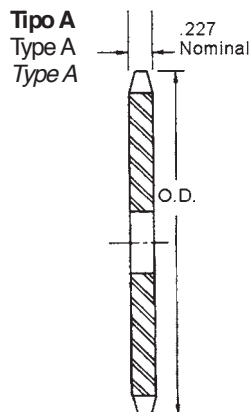
Triple, tipo B / Triple - Type B / Triple - Type B

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
13	35B3Z13	1.750	B	1/2	1 1/16	1 1/4	1 1/4	.50
14	35B3Z14	1.870	B	1/2	7/8	1 1/4	1 1/4	.62
15	35B3Z15	1.990	B	1/2	1 3/16	1 1/2	1 1/4	.78
16	35B3Z16	2.110	B	1/2	1 1/2	1 1/2	1 1/4	.82
17	35B3Z17	2.230	B	1/2	1 5/8	1 3/4	1 1/4	1.04
18	35B3Z18	2.350	B	1/2	1 3/4	1 3/4	1 1/4	1.22
19	35B3Z19	2.470	B	1/2	1 7/8	1 3/4	1 1/4	1.40
20	35B3Z20	2.590	B	3/4	1 5/8	1 3/4	1 1/4	1.50
21	35B3Z21	2.710	B	3/4	1 3/4	2 1/4	1 1/4	1.72
22	35B3Z22	2.830	B	3/4	1 7/8	2 1/4	1 1/4	1.96
23	35B3Z23	2.950	B	3/4	1 1/2	2 1/4	1 1/4	2.12
24	35B3Z24	3.070	B	3/4	1 1/2	2 1/4	1 1/4	2.26
25	35B3Z25	3.190	B	3/4	1 1/2	2 1/4	1 1/4	2.42
26	35B3Z26	3.310	B	3/4	1 1/2	2 1/2	1 1/4	2.78
30	35B3Z30	3.790	B	3/4	1 1/2	2 1/2	1 1/4	3.42
36	35B3Z36	4.510	B	3/4	1 1/2	2 1/2	1 1/4	4.52
42	35B3Z42	5.230	B	3/4	1 1/2	2 1/2	1 1/4	5.88
48	35B3Z48	5.950	B	3/4	1 1/2	2 1/2	1 1/4	7.42
52	35B3Z52	6.430	B	3/4	1 1/2	2 1/2	1 1/4	8.52
60	35B3Z60	7.380	B	3/4	1 1/2	2 1/2	1 1/4	11.22
68	35B3Z68	8.340	B	3/4	2 1/8	3 1/2	1 1/4	15.38
72	35B3Z72	8.810	B	3/4	2 1/8	3 1/2	1 1/4	17.34
76	35B3Z76	9.290	B	3/4	2 1/8	3 1/2	1 1/4	18.90
84	35B3Z84	10.250	B	3/4	2 1/8	3 1/2	1 1/4	22.82
95	35B3Z95	11.560	B	1	2 1/2	3 3/4	2 1/4	29.32
96	35B3Z96	11.680	B	1	2 1/2	3 3/4	2 1/4	30.06
102	35B3Z102	12.400	B	1	2 1/2	3 3/4	2 1/4	33.36

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) PIGNONS ET DISQUES NORME AMERICAINE (ASA) AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 41 paso 1/2" / No. 41 pas 1/2" / No. 41 1/2" Pitch



Simple, tipo B / Simple - Type B / Single - Type B

Simple, tipo A / Simple - Type A / Single - Type A

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox.) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type Type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en libras (aprox.) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max.	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
6	41B1Z6	1.170	B	3/8	3/8	2 1/2	7/8	.07				
7	41B1Z7	1.340	B	3/8	3/8	3/4	7/8	.10				
8	41B1Z8	1.510	B	1/2	1/2	5/8	7/8	.19				
9	41B1Z9	1.670	B	1/2	5/8	1 1/8	7/8	.20				
10	41B1Z10	1.840	B	1/2	3/4	1 1/4	7/8	.27				
11	41B1Z11	2.000	B	1/2	7/8	1 1/2	7/8	.35				
12	41B1Z12	2.170	B	1/2	1 1/8	1 3/4	7/8	.44				
13	41B1Z13	2.330	B	1/2	1	1 7/8	7/8	.50				
14	41B1Z14	2.490	B	1/2	1 1/4	2 1/8	7/8	.57	A	41A1Z15	5/8	.28
15	41B1Z15	2.650	B	1/2	1 1/2	2 1/4	7/8	.72	A	41A1Z16	5/8	.34
16	41B1Z16	2.810	B	5/8	1 3/8	2 3/4	7/8	.91	A	41A1Z17	5/8	.36
17	41B1Z17	2.980	B	5/8	1 1/2	2 3/4	1	1.09	A			
18	41B1Z18	3.140	B	5/8	1 3/4	2 3/4	1	1.25	A	41A1Z18	5/8	.44
19	41B1Z19	3.300	B	5/8	1 3/4	2 3/4	1	1.49	A	41A1Z19	5/8	.46
20	41B1Z20	3.460	B	5/8	1 3/4	2 3/4	1	1.64	A	41A1Z20	5/8	.52
21	41B1Z21	3.620	B	5/8	1 3/4	2 3/4	1	1.81	A	41A1Z21	5/8	.60
22	41B1Z22	3.780	B	5/8	2	3	1	1.93	A	41A1Z22	5/8	.66
23	41B1Z23	3.940	B	5/8	2 1/4	3 1/8	1	2.25	A	41A1Z23	5/8	.72
24	41B1Z24	4.100	B	5/8	2 1/4	3 1/4	1	2.33	A	41A1Z24	5/8	.82
25	41B1Z25	4.260	B	5/8	2 1/4	3 1/4	1	2.46	A	41A1Z25	5/8	.88
26	41B1Z26	4.420	B	5/8	2 1/4	3 1/4	1	2.50	A	41A1Z26	5/8	.94
27	41B1Z27	4.580	B	5/8	2 1/4	3 1/4	1	2.56	A	41A1Z27	5/8	1.00
28	41B1Z28	4.740	B	5/8	2 1/4	3 1/4	1	2.64	A	41A1Z28	5/8	1.08
30	41B1Z30	5.060	B	5/8	2 1/4	3 1/4	1	2.80	A	41A1Z30	1 1/8	1.20
32	41B1Z32	5.380	B	5/8	2 1/4	3 1/4	1	2.96	A	41A1Z32	1 1/8	1.44
35	41B1Z35	5.860	B	5/8	2 3/4	3 1/4	1	3.12	A	41A1Z35	1 1/8	1.70
36	41B1Z36	6.020	B	5/8	2 3/4	3 1/4	1	3.32	A	41A1Z36	1 1/8	1.84
40	41B1Z40	6.650	B	3/4	2 3/4	3 1/4	1 1/8	4.06	A	41A1Z40	2 3/8	2.22
42	41B1Z42	6.970	B	3/4	2 3/4	3 1/4	1 1/8	4.10	A	41A1Z42	2 3/8	2.50
45	41B1Z45	7.450	B	3/4	2 3/4	3 1/4	1 1/8	4.18	A	41A1Z45	2 3/8	2.52
48	41B1Z48	7.930	B	3/4	2 3/4	3 1/4	1 1/8	4.92	A	41A1Z48	2 3/8	2.92
54	41B1Z54	8.890	B	3/4	2 3/4	3 1/4	1 1/8	5.68	A	41A1Z54	2 3/8	3.54
60	41B1Z60	9.840	B	3/4	2 3/4	3 1/4	1 1/8	6.78	A	41A1Z60	2 3/8	4.60
70	41B1Z70	11.430	B	3/4	2 3/4	4	1 1/8	9.54	A	41A1Z70	2 3/8	6.22
72	41B1Z72	11.750	B	3/4	2 3/4	4	1 1/8	9.64	A	41A1Z72	2 3/8	6.32
80	41B1Z80	13.030	B	3/4	2 3/4	4	1 1/8	11.54	A	41A1Z80	2 3/8	8.46

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

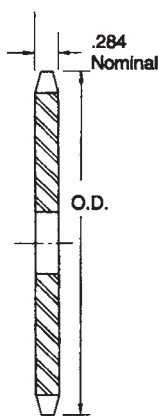
No. 40 paso 1/2" / No. 40 pas 1/2" / No. 40 1/2" Pitch

Simple, tipo B
Simple - Type B
Single - Type B

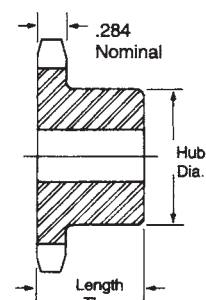
Simple, tipo A
Simple - Type A
Single - Type A

Nº de dientes N. de dents No. Teeth	Nº de catálogo Numéro de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox.) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type	Nº de catálogo Numéro de catalogue Catalog Number	Diám. int. Diam. int. standard Stock Bore	Peso en libras (aprox.) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre	Longitud int. Longueur int. Length Thru					
8	40B1Z8	1.500	B	1/2	1/2	3/32	7/8	.18				
9	40B1Z9	1.670	B	1/2	9/16	1/16	7/8	.20				
10	40B1Z10	1.840	B	1/2	3/4	1/4	7/8	.27				
11	40B1Z11	2.000	B	1/2	7/8	1/8	7/8	.35				
12	40B1Z12	2.170	B	1/2	1	1/16	7/8	.45	A	40A1Z12	1/2	.18
13	40B1Z13	2.330	B	1/2	1 1/16	1/16	7/8	.50	A	40A1Z13	1/2	.22
14	40B1Z14	2.490	B	1/2	1 1/8	1/16	7/8	.59	A	40A1Z14	1/2	.26
15	40B1Z15	2.650	B	1/2	1 1/4	1/16	7/8	.70	A	40A1Z15	3/8	.30
16	40B1Z16	2.810	B	5/8	1 3/8	2	7/8	.79	A	40A1Z16	5/8	.34
17	40B1Z17	2.980	B	5/8	1 7/8	2 1/8	1	1.04	A	40A1Z17	5/8	.36
18	40B1Z18	3.140	B	5/8	1 1/2	2 5/16	1	1.22	A	40A1Z18	5/8	.44
19	40B1Z19	3.300	B	5/8	1 3/4	2 1/2	1	1.43	A	40A1Z19	5/8	.46
20	40B1Z20	3.460	B	5/8	1 7/8	2 3/4	1	1.56	A	40A1Z20	5/8	.56
21	40B1Z21	3.620	B	5/8	1 7/8	2 3/4	1	1.73	A	40A1Z21	5/8	.58
22	40B1Z22	3.780	B	5/8	1 7/8	2 3/4	1	1.96	A	40A1Z22	5/8	.66
23	40B1Z23	3.940	B	5/8	2	3	1	2.13	A	40A1Z23	5/8	.72
24	40B1Z24	4.100	B	5/8	2 1/4	3 3/4	1	2.41	A	40A1Z24	5/8	.82
25	40B1Z25	4.260	B	5/8	2 1/4	3 3/4	1	2.54	A	40A1Z25	5/8	.88
26	40B1Z26	4.420	B	5/8	2 1/4	3 3/4	1	2.58	A	40A1Z26	5/8	.94
27	40B1Z27	4.580	B	5/8	2 1/4	3 3/4	1	2.66	A	40A1Z27	5/8	.98
28	40B1Z28	4.740	B	5/8	2 1/4	3 3/4	1	2.73	A	40A1Z28	5/8	1.10
29	40B1Z29	4.900	B	5/8	2 1/4	3 3/4	1	2.80	A	40A1Z29	1 1/32	1.22
30	40B1Z30	5.060	B	5/8	2 1/4	3 3/4	1	2.98	A	40A1Z30	1 1/32	1.26
31	40B1Z31	5.220	B	5/8	2 1/4	3 3/4	1	3.10	A	40A1Z31	1 1/32	1.40
32	40B1Z32	5.380	B	5/8	2 1/4	3 3/4	1	3.16	A	40A1Z32	1 1/32	1.48
33	40B1Z33	5.540	B	5/8	2 1/4	3 3/4	1	3.22	A	40A1Z33	1 1/32	1.56
34	40B1Z34	5.700	B	5/8	2 1/4	3 3/4	1	3.30	A	40A1Z34	1 1/32	1.64
35	40B1Z35	5.860	B	5/8	2 1/4	3 3/4	1	3.46	A	40A1Z35	1 1/32	1.70
36	40B1Z36	6.020	B	5/8	2 1/4	3 3/4	1	3.58	A	40A1Z36	1 1/32	1.84
37	40B1Z37	6.180	B	5/8	2 1/4	3 3/4	1	3.62	A	40A1Z37	1 1/32	1.92
38	40B1Z38	6.330	B	5/8	2 1/4	3 3/4	1	3.70	A	40A1Z38	1 1/32	2.00
39	40B1Z39	6.490	B	5/8	2 1/4	3 3/4	1	3.76	A	40A1Z39	1 1/32	2.02
40	40B1Z40	6.650	B	3/4	2 3/4	3 1/2	1 1/8	4.69	A	40A1Z40	2 3/32	2.22
41	40B1Z41	6.810	B	3/4	2 3/4	3 1/2	1 1/8	4.76	A	40A1Z41	2 3/32	2.42
42	40B1Z42	6.970	B	3/4	2 3/4	3 1/2	1 1/8	4.82	A	40A1Z42	2 3/32	2.50
43	40B1Z43	7.130	B	3/4	2 3/4	3 1/2	1 1/8	5.12	A	40A1Z43	2 3/32	2.80
44	40B1Z44	7.290	B	3/4	2 3/4	3 1/2	1 1/8	5.15	A	40A1Z44	2 3/32	2.85
45	40B1Z45	7.450	B	3/4	2 3/4	3 1/2	1 1/8	5.30	A	40A1Z45	2 3/32	3.15
46	40B1Z46	7.610	B	3/4	2 3/4	3 1/2	1 1/8	5.57	A	40A1Z46	2 3/32	3.26
47	40B1Z47	7.770	B	3/4	2 3/4	3 1/2	1 1/8	5.44	A	40A1Z47	2 3/32	3.32
48	40B1Z48	7.930	B	3/4	2 3/4	3 1/2	1 1/8	5.84	A	40A1Z48	2 3/32	3.22
49	40B1Z49	8.090	B	3/4	2 3/4	3 1/2	1 1/8	5.90	A	40A1Z49	2 3/32	3.44
50	40B1Z50	8.250	B	3/4	2 3/4	3 1/2	1 1/8	5.96	A	40A1Z50	2 3/32	3.62
51	40B1Z51	8.410	B	3/4	2 3/4	3 1/2	1 1/8	6.08	A	40A1Z51	2 3/32	3.94
52	40B1Z52	8.570	B	3/4	2 3/4	3 1/2	1 1/8	6.28	A	40A1Z52	2 3/32	4.08
53	40B1Z53	8.730	B	3/4	2 3/4	3 1/2	1 1/8	6.33	A	40A1Z53	2 3/32	4.04
54	40B1Z54	8.890	B	3/4	2 3/4	3 1/2	1 1/8	6.42	A	40A1Z54	2 3/32	4.44
55	40B1Z55	9.040	B	3/4	2 3/4	3 1/2	1 1/8	6.46	A	40A1Z55	2 3/32	4.54
56	40B1Z56	9.200	B	3/4	2 3/4	3 1/2	1 1/8	6.89	A	40A1Z56	2 3/32	4.84
57	40B1Z57	9.360	B	3/4	2 3/4	3 1/2	1 1/8	7.02	A	40A1Z57	2 3/32	5.00
58	40B1Z58	9.520	B	3/4	2 3/4	3 1/2	1 1/8	7.36	A	40A1Z58	2 3/32	5.12
59	40B1Z59	9.680	B	3/4	2 3/4	3 1/2	1 1/8	7.45	A	40A1Z59	2 3/32	5.30
60	40B1Z60	9.840	B	3/4	2 3/4	3 1/2	1 1/8	7.86	A	40A1Z60	2 3/32	5.48
70	40B1Z70	11.430	B	3/4	2 3/4	4	1 1/2	11.00	A	40A1Z70	2 3/32	7.24
72	40B1Z72	11.750	B	3/4	2 3/4	4	1 1/2	11.50	A	40A1Z72	2 3/32	7.74
80	40B1Z80	13.030	B	3/4	2 3/4	4	1 1/2	13.40	A	40A1Z80	2 3/32	10.20
84	40B1Z84	13.660	B	3/4	2 3/4	4	1 1/2	14.04	A	40A1Z84	2 3/32	10.07
96	40B1Z96	15.570	B	1	2 3/4	4	1 1/2	17.56	A	40A1Z96	1 1/8	12.15
112	40B1Z112	18.120	B	1	2 3/4	4	1 1/2	22.56	A	40A1Z112	1 1/8	20.00

Tipo A
Type A
Type A



Tipo B
Type B
Type B



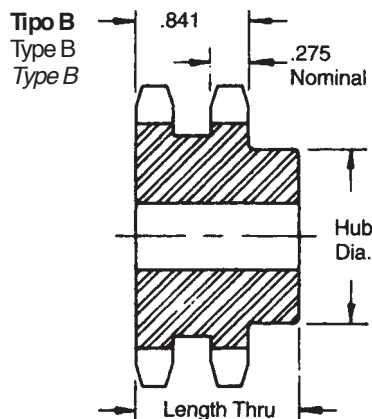
Material: C 45 Uni 7847
Matériau: C 45 Uni 7847
Material: C 45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 40-2 paso 1/2" / No. 40-2 pas 1/2" / No. 40-2 1/2" Pitch



Doble, tipo B / Double - Type B / Double - Type B

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	40B2Z11	2.000	B	1/2	3/4	1 1/8	1 1/2	.62
12	40B2Z12	2.170	B	1/2	15/16	1 1/8	1 1/2	.76
13	40B2Z13	2.330	B	1/2	1	1 1/2	1 1/2	.86
14	40B2Z14	2.490	B	1/2	1 1/8	1 1/8	1 1/2	1.08
15	40B2Z15	2.650	B	1/2	1 1/4	1 3/8	1 1/2	1.24
16	40B2Z16	2.810	B	5/8	1 3/8	2	1 1/2	1.42
17	40B2Z17	2.980	B	5/8	1 1/2	2 1/8	1 1/2	1.64
18	40B2Z18	3.140	B	5/8	1 1/2	2 5/8	1 1/2	1.92
19	40B2Z19	3.300	B	5/8	1 3/4	2 1/2	1 1/2	2.22
20	40B2Z20	3.460	B	5/8	1 3/4	2 3/4	1 1/2	2.64
21	40B2Z21	3.620	B	5/8	1 3/4	2 3/4	1 1/2	2.94
22	40B2Z22	3.780	B	5/8	1 3/4	2 3/4	1 1/2	3.18
23	40B2Z23	3.940	B	5/8	2	3	1 1/2	3.51
24	40B2Z24	4.100	B	5/8	2 1/4	3 1/4	1 1/2	4.04
25	40B2Z25	4.260	B	5/8	2 1/4	3 1/4	1 1/2	4.26
26	40B2Z26	4.420	B	5/8	2 1/4	3 1/4	1 1/2	4.48
30	40B2Z30	5.060	B	3/4	2 1/2	3 1/2	1 1/2	5.34
35	40B2Z35	5.860	B	3/4	2 1/2	3 1/2	1 1/2	6.80
36	40B2Z36	6.020	B	3/4	2 1/2	3 1/2	1 1/2	7.20
40	40B2Z40	6.650	B	3/4	2 1/2	3 1/2	1 1/2	9.40
42	40B2Z42	6.970	B	3/4	2 1/2	3 1/2	1 1/2	10.20
45	40B2Z45	7.450	B	3/4	2 1/2	3 1/2	1 1/2	11.36
48	40B2Z48	7.930	B	3/4	2 1/2	3 1/2	1 1/2	12.66
52	40B2Z52	8.570	B	3/4	2 1/2	3 1/2	1 1/2	14.46
54	40B2Z54	8.890	B	3/4	2 1/2	3 1/2	1 1/2	15.48
60	40B2Z60	9.840	B	3/4	2 1/2	3 1/2	1 1/2	18.60
68	40B2Z68	11.120	B	3/4	2 1/2	4 1/4	2 1/2	24.96
72	40B2Z72	11.750	B	3/4	2 1/2	4 1/4	2 1/2	27.88
76	40B2Z76	12.390	B	3/4	2 1/2	4 1/4	2 1/2	30.18
84	40B2Z84	13.660	B	3/4	2 1/2	4 1/4	2 1/2	36.24
95	40B2Z95	15.410	B	3/4	2 1/2	4 1/4	2 1/2	38.84
96	40B2Z96	15.570	B	3/4	2 1/2	4 1/4	2 1/2	39.50
102	40B2Z102	16.530	B	3/4	2 1/2	4 1/4	2 1/2	42.72
112	40B2Z112	18.120	B	3/4	2 1/2	4 1/4	2 1/2	55.54

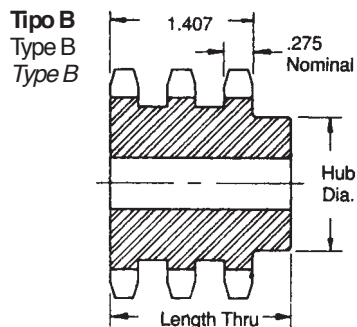
Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 40-3 paso 1/2" / No. 40-3 pas 1/2" / No. 40-3 1/2" Pitch



Triple, tipo B / Triple - Type B / Triple - Type B

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	40B3Z11	2.000	B	1/2	3/4	1 1/8	2 1/8	.80
12	40B3Z12	2.170	B	1/2	15/16	1 1/8	2 1/8	1.10
13	40B3Z13	2.330	B	1/2	1	1 1/2	2 1/8	1.24
14	40B3Z14	2.490	B	1/2	1 1/16	1 1/2	2 1/8	1.50
15	40B3Z15	2.650	B	1/2	1 1/8	1 3/8	2 1/8	1.76
16	40B3Z16	2.810	B	5/8	1 3/8	2	2 1/8	2.04
17	40B3Z17	2.980	B	5/8	1 1/2	2 1/8	2 1/8	2.34
18	40B3Z18	3.140	B	5/8	1 1/2	2 1/8	2 1/8	2.72
19	40B3Z19	3.300	B	5/8	1 1/2	2 1/8	2 1/8	3.10
20	40B3Z20	3.460	B	5/8	1 1/8	2 1/8	2 1/8	3.72
21	40B3Z21	3.620	B	5/8	1 1/8	2 1/8	2 1/8	4.06
22	40B3Z22	3.780	B	5/8	1 1/8	2 1/8	2 1/8	4.52
23	40B3Z23	3.940	B	5/8	2	3	2 1/8	4.96
24	40B3Z24	4.100	B	5/8	2 1/4	3 1/4	2 1/8	5.64
25	40B3Z25	4.260	B	5/8	2 1/4	3 1/4	2 1/8	6.02
26	40B3Z26	4.420	B	5/8	2 1/4	3 1/4	2 1/8	6.36
30	40B3Z30	5.060	B	7/8	2 1/4	3 1/4	2 1/8	7.84
35	40B3Z35	5.860	B	7/8	2 1/4	3 1/4	2 1/8	10.30
36	40B3Z36	6.020	B	1 5/16	2 1/2	3 3/4	2 3/8	11.72
42	40B3Z42	6.970	B	1 5/16	2 1/2	3 3/4	2 3/8	15.36
48	40B3Z48	7.930	B	1 5/16	2 1/2	3 3/4	2 3/8	19.36
52	40B3Z52	8.570	B	1 5/16	2 1/2	3 3/4	2 3/8	22.44
60	40B3Z60	9.840	B	1 5/16	2 1/2	3 3/4	2 3/8	30.02
68	40B3Z68	11.120	B	1 3/8	2 3/4	4	2 3/8	38.44
72	40B3Z72	11.750	B	1 3/8	2 3/4	4	2 3/8	42.46
76	40B3Z76	12.390	B	1 3/8	2 3/4	4	2 3/8	46.90
84	40B3Z84	13.660	B	1 3/8	2 3/4	4 1/4	2 3/8	57.30
95	40B3Z95	15.410	B	1 3/8	2 3/4	4 1/4	2 3/8	62.18
102	40B3Z102	16.530	B	1 3/8	2 3/4	4 1/4	2 3/8	68.40

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) **PIGNONS ET DISQUES NORME AMERICAINE (ASA)** **AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)**

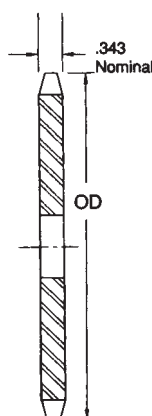
No. 50 paso 5/8" / No. 50 pas 5/8" / No. 50 5/8" Pitch

Simple, tipo B
Simple - Type B
Single - Type B

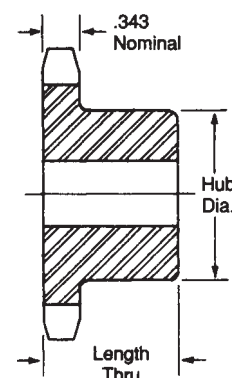
Simple, tipo A
Simple - Type A
Single - Type A

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diameter	Longitud int. Longueur int. Length Thru					
8	50B1Z8	1.880	B	5/8	5/8	1 1/8	1	.25				
9	50B1Z9	2.090	B	5/8	3/4	1 3/8	1	.36				
10	50B1Z10	2.300	B	5/8	7/8	1 5/8	1	.48				
11	50B1Z11	2.500	B	5/8	1	1 3/4	1	.64				
12	50B1Z12	2.710	B	5/8	1 1/4	1 5/8	1	.83	A	50A1Z12	5/8	.34
13	50B1Z13	2.910	B	5/8	1 1/8	1 3/4	1	.88	A	50A1Z13	5/8	.42
14	50B1Z14	3.110	B	5/8	1 1/8	2 1/8	1	1.13	A	50A1Z14	5/8	.50
15	50B1Z15	3.320	B	5/8	1 1/2	2 1/8	1	1.34	A	50A1Z15	5/8	.54
16	50B1Z16	3.520	B	5/8	1 3/4	2 1/2	1	1.51	A	50A1Z16	5/8	.68
17	50B1Z17	3.720	B	5/8	1 3/4	2 1/2	1	1.74	A	50A1Z17	5/8	.76
18	50B1Z18	3.920	B	5/8	1 3/4	2 1/8	1	2.00	A	50A1Z18	5/8	.86
19	50B1Z19	4.120	B	5/8	2	3	1	2.22	A	50A1Z19	5/8	.94
20	50B1Z20	4.320	B	3/4	2	3	1	2.28	A	50A1Z20	3/4	1.06
21	50B1Z21	4.520	B	3/4	2	3	1	2.40	A	50A1Z21	3/4	1.12
22	50B1Z22	4.720	B	3/4	2	3	1	2.56	A	50A1Z22	3/4	1.30
23	50B1Z23	4.920	B	3/4	2	3	1	2.66	A	50A1Z23	3/4	1.44
24	50B1Z24	5.120	B	3/4	2	3	1 1/4	3.30	A	50A1Z24	23/32	1.50
25	50B1Z25	5.320	B	3/4	2	3	1 1/4	3.40	A	50A1Z25	23/32	1.62
26	50B1Z26	5.520	B	3/4	2	3	1 1/4	3.44	A	50A1Z26	23/32	1.72
27	50B1Z27	5.720	B	3/4	2	3	1 1/4	3.74	A	50A1Z27	23/32	1.96
28	50B1Z28	5.920	B	3/4	2	3	1 1/4	3.80	A	50A1Z28	23/32	2.04
29	50B1Z29	6.120	B	3/4	2	3	1 1/4	4.06	A	50A1Z29	23/32	2.36
30	50B1Z30	6.320	B	3/4	2 1/4	3 1/4	1 1/4	4.56	A	50A1Z30	23/32	2.54
31	50B1Z31	6.520	B	3/4	2 1/4	3 1/4	1 1/4	4.74	A	50A1Z31	23/32	2.80
32	50B1Z32	6.720	B	3/4	2 1/4	3 1/4	1 1/4	4.96	A	50A1Z32	23/32	2.72
33	50B1Z33	6.920	B	3/4	2 1/4	3 1/4	1 1/4	5.20	A	50A1Z33	23/32	3.14
34	50B1Z34	7.120	B	3/4	2 1/4	3 1/4	1 1/2	5.14	A	50A1Z34	23/32	3.20
35	50B1Z35	7.320	B	3/4	2 1/4	3 1/4	1 1/4	5.44	A	50A1Z35	23/32	3.34
36	50B1Z36	7.520	B	3/4	2 1/4	3 1/4	1 1/4	5.64	A	50A1Z36	23/32	3.82
37	50B1Z37	7.720	B	3/4	2 1/4	3 1/4	1 1/4	5.90	A	50A1Z37	23/32	3.98
38	50B1Z38	7.920	B	3/4	2 1/4	3 1/4	1 1/4	6.08	A	50A1Z38	23/32	4.14
39	50B1Z39	8.120	B	3/4	2 1/4	3 1/4	1 1/4	6.30	A	50A1Z39	23/32	4.42
40	50B1Z40	8.320	B	3/4	2 1/4	3 1/4	1 1/4	6.50	A	50A1Z40	23/32	4.46
41	50B1Z41	8.520	B	3/4	2 1/4	3 1/4	1 1/4	6.64	A	50A1Z41	23/32	4.86
42	50B1Z42	8.720	B	3/4	2 1/4	3 1/4	1 1/4	6.96	A	50A1Z42	23/32	4.98
43	50B1Z43	8.910	B	3/4	2 1/4	3 1/4	1 1/4	7.06	A	50A1Z43	23/32	5.24
44	50B1Z44	9.110	B	3/4	2 1/4	3 1/4	1 1/4	7.58	A	50A1Z44	23/32	5.42
45	50B1Z45	9.310	B	3/4	2 1/2	3 1/4	1 1/4	8.58	A	50A1Z45	23/32	5.92
46	50B1Z46	9.510	B	3/4	2 1/2	3 1/4	1 1/4	8.22	A	50A1Z46	15/16	6.42
47	50B1Z47	9.710	B	3/4	2 1/2	3 1/4	1 1/4	8.48	A	50A1Z47	15/16	6.50
48	50B1Z48	9.910	B	1	2 1/2	3 1/4	1 1/4	9.28	A	50A1Z48	15/16	6.58
49	50B1Z49	10.110	B	1	2 1/2	3 1/4	1 1/4	9.22	A	50A1Z49	15/16	7.06
50	50B1Z50	10.310	B	1	2 1/2	3 1/4	1 1/4	9.88	A	50A1Z50	15/16	7.10
51	50B1Z51	10.510	B	1	2 1/2	3 1/4	1 1/4	9.70	A	50A1Z51	15/16	7.32
52	50B1Z52	10.710	B	1	2 1/2	3 1/4	1 1/4	10.24	A	50A1Z52	15/16	7.98
53	50B1Z53	10.910	B	1	2 1/2	3 1/4	1 1/4	10.48	A	50A1Z53	15/16	8.08
54	50B1Z54	11.110	B	1	2 1/2	3 1/4	1 1/4	11.00	A	50A1Z54	15/16	8.30
55	50B1Z55	11.310	B	1	2 1/2	3 1/4	1 1/4	10.93	A	50A1Z55	15/16	8.56
56	50B1Z56	11.500	B	1	2 1/2	3 1/4	1 1/4	11.50	A	50A1Z56	15/16	8.90
57	50B1Z57	11.700	B	1	2 1/2	3 1/4	1 1/4	12.00	A	50A1Z57	15/16	9.38
58	50B1Z58	11.900	B	1	2 1/2	3 1/4	1 1/4	11.82	A	50A1Z58	15/16	10.30
59	50B1Z59	12.100	B	1	2 1/2	3 1/4	1 1/4	12.32	A	50A1Z59	15/16	10.50
60	50B1Z60	12.300	B	1	2 1/2	3 1/4	1 1/4	13.00	A	50A1Z60	15/16	10.80
70	50B1Z70	14.290	B	1	2 1/2	3 1/4	1 3/4	18.16	A	50A1Z70	15/16	14.00
72	50B1Z72	14.690	B	1	2 1/2	3 1/4	1 3/4	19.48	A	50A1Z72	15/16	15.24
76	50B1Z80	15.486	B	1	2 1/2	3 1/4	1 3/4	21.00	A	50A1Z80	15/16	20.28
80	50B1Z84	16.280	B	1	2 3/4	4 1/4	1 3/4	24.74	A	50A1Z84	15/16	21.00
84	50B1Z96	17.080	B	1	2 3/4	4 1/4	1 3/4	25.50	A	50A1Z96	15/16	22.08
95	50B1Z112	19.270	B	1	2 3/4	4 1/4	1 3/4	32.00	A	50A1Z112	15/16	27.00
96	50B96	19.470	B	1	2 3/4	4 1/4	1 3/4	32.92	A	50A96	15/16	27.40
112	50B112	22.650	B	1	2 3/4	4 1/4	1 3/4	42.00	A	50A112	15/16	37.70

Tipo A
Type A
Type A



Tipo B
Type B
Type B



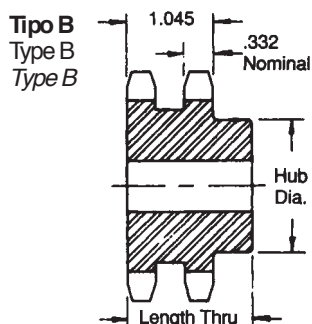
Material: C 45 Uni 7847
Matériau: C 45 Uni 7847
Material: C 45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 50-2 paso 5/8" / No. 50-2 pas 5/8" / No. 50-2 5/8" Pitch



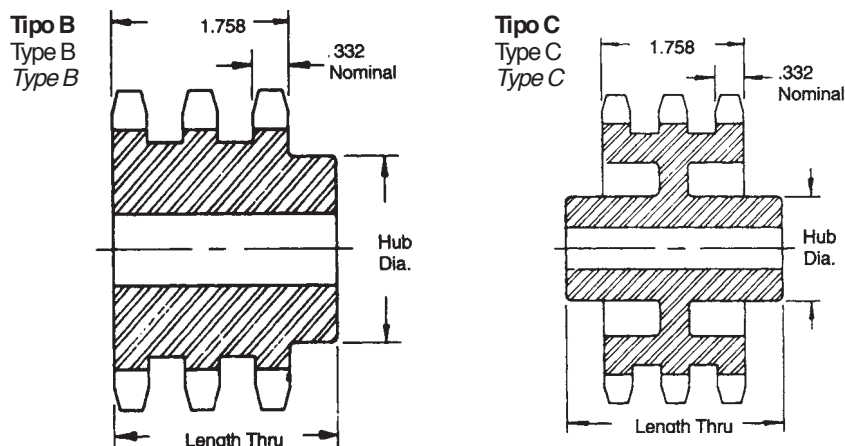
Doble, tipo B / Double - Type B / Double - Type B

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	50B2Z11	2.500	B	5/8	1 1/16	1 1/32	1 3/4	.96
12	50B2Z12	2.710	B	5/8	1 1/8	1 1/16	1 3/4	1.25
13	50B2Z13	2.910	B	5/8	1 1/4	1 1/8	1 3/4	1.56
14	50B2Z14	3.110	B	5/8	1 1/2	2 1/16	1 3/4	1.86
15	50B2Z15	3.320	B	3/4	1 1/2	2 3/16	1 3/4	2.22
16	50B2Z16	3.520	B	3/4	1 3/4	2 1/2	1 3/4	2.62
17	50B2Z17	3.720	B	3/4	1 7/8	2 11/16	1 3/4	3.04
18	50B2Z18	3.920	B	3/4	1 5/8	2 15/16	1 3/4	3.58
19	50B2Z19	4.120	B	1	2 1/8	3 1/8	1 3/4	3.90
20	50B2Z20	4.320	B	1	2 1/4	3 1/4	1 3/4	4.26
21	50B2Z21	4.520	B	1	2 3/8	3 3/8	1 3/4	4.90
22	50B2Z22	4.720	B	1	2 1/2	3 5/8	1 3/4	5.58
23	50B2Z23	4.920	B	1	2 1/2	3 3/4	1 3/4	6.10
24	50B2Z24	5.120	B	1	2 1/2	3 3/4	1 3/4	6.50
25	50B2Z25	5.320	B	1	2 1/2	3 3/4	1 3/4	6.94
26	50B2Z26	5.520	B	1	2 1/2	3 3/4	1 3/4	7.54
30	50B2Z30	6.320	B	1	2 1/2	3 3/4	1 3/4	9.40
32	50B2Z32	6.720	B	1	2 1/2	3 3/4	1 3/4	10.46
35	50B2Z35	7.320	B	1	2 1/2	3 3/4	1 3/4	12.28
36	50B2Z36	7.520	B	1 1/16	2 3/4	4	2 1/8	13.94
40	40B2Z40	8.320	B	1 3/16	2 3/4	4	2 1/8	16.54
42	50B2Z42	8.720	B	1 3/16	2 3/4	4	2 1/8	17.92
45	50B2Z45	9.310	B	1 3/16	2 3/4	4	2 1/8	20.30
48	50B2Z48	9.910	B	1 3/16	2 3/4	4 1/4	2 3/8	24.08
52	50B2Z52	10.710	B	1 3/16	2 3/4	4 1/4	2 3/8	27.42
54	50B2Z54	11.110	B	1 3/16	2 3/4	4 1/4	2 3/8	29.16
60	50B2Z60	12.300	B	1 3/16	3	4 1/2	2 3/8	35.88
68	50B2Z68	13.890	B	1 3/16	3	4 1/2	2 3/8	44.98
72	50B2Z72	14.690	B	1 3/16	3	4 1/2	2 3/8	50.22
76	50B2Z76	15.490	B	1 3/16	3	4 1/2	2 3/8	45.64
84	50B2Z84	17.080	B	1 3/16	3	4 1/2	2 3/8	51.64
95	50B2Z95	19.270	B	1 3/16	3	4 1/2	2 3/8	64.32
96	50B2Z96	19.470	B	1 3/16	3	4 1/2	2 3/8	67.42
102	50B2Z102	20.660	B	1 3/16	3	4 1/2	2 3/8	72.68
112	50B2Z112	22.650	B	1 3/16	3 1/8	5 1/4	2 3/8	90.22

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) PIGNONS ET DISQUES NORME AMERICAINE (ASA) AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 50-3 paso 5/8" / No. 50-3 pas 5/8" / No. 50-3 5/8" Pitch



Triple, tipo B&C / Triple - Type B&C / Triple - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Numéro de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	50B3Z11	2.500	B	5/8	1 1/16	1 5/32	2 1/2	1.42
12	50B3Z12	2.710	B	5/8	1 1/8	1 1/8	2 1/2	1.84
13	50B3Z13	2.910	B	5/8	1 3/8	1 1/8	2 1/2	2.28
14	50B3Z14	3.110	B	5/8	1 1/2	2 1/16	2 1/2	2.72
15	50B3Z15	3.320	B	3/4	1 1/2	2 3/16	2 1/2	3.24
16	50B3Z16	3.520	B	3/4	1 3/4	2 1/2	2 1/2	3.76
17	50B3Z17	3.720	B	3/4	1 7/8	2 5/16	2 1/2	4.38
18	50B3Z18	3.920	B	3/4	1 9/16	2 5/8	2 1/2	5.10
19	50B3Z19	4.120	B	1	2 1/8	3 1/8	2 1/2	5.60
20	50B3Z20	4.320	B	1	2 1/4	3 1/4	2 3/8	6.42
21	50B3Z21	4.520	B	1	2 3/8	3 1/2	2 3/8	7.42
22	50B3Z22	4.720	B	1	2 1/2	3 5/8	2 3/8	7.92
23	50B3Z23	4.920	B	1	2 1/2	3 3/8	2 3/8	8.80
24	50B3Z24	5.120	B	1	2 1/2	3 3/8	2 3/8	9.42
25	50B3Z25	5.320	B	1	2 1/2	3 3/8	2 3/8	10.16
26	50B3Z26	5.520	B	1	2 1/2	3 3/8	2 3/8	11.02
30	50B3Z30	6.320	B	1	2 1/2	3 3/8	2 3/8	14.24
35	50B3Z35	7.320	B	1	2 1/2	3 3/8	2 3/8	18.96
36	50B3Z36	7.520	B	1 1/16	2 3/4	4	2 3/4	20.60
42	50B3Z42	8.720	B	1 1/16	2 3/4	4	2 3/4	27.46
48	50B3Z48	9.910	B	1 3/16	2 3/4	4	3 3/8	36.64
52	50B3Z52	10.710	B	1 3/16	2 3/4	4	3 3/8	42.54
60	50B3Z60	12.300	B	1 3/16	3	4 1/2	3 3/8	56.84
68	50B3Z68	13.890	B	1 3/16	3	4 1/2	3 3/8	73.21
72	50C3Z72	14.690	C	1 3/16	3	4 3/4	3 3/8	54.40
76	50C3Z76	15.490	C	1 3/16	3	4 3/4	3 3/8	51.20
84	50C3Z84	17.080	C	1 3/16	3	4 3/4	3 3/8	65.32
95	50C3Z95	19.270	C	1 3/16	3	4 3/4	3 3/8	74.42
102	50C3Z102	20.660	C	1 3/16	3	4 3/4	3 3/8	79.94

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

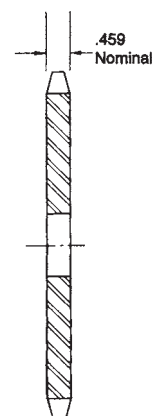
No. 60 paso 3/4" / No. 60 pas 3/4" / No. 60 3/4" Pitch

Simple, tipo B
Simple - Type B
Single - Type B

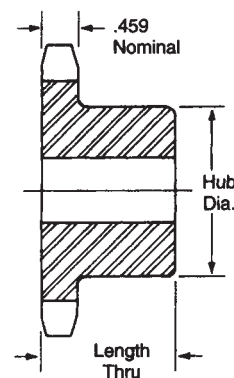
Simple, tipo A
Simple - Type A
Single - Type A

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. exterior Diamètre ext. Outside Diameter	Tipo Type type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Bore	Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
8	60B1Z8	2.260	B	5/8	5/8	1 1/2	1 1/4	.54				
9	60B1Z9	2.510	B	3/4	7/8	1 1/4	1 1/4	.64				
10	60B1Z10	2.760	B	3/4	1 1/8	1 1/4	1 1/4	.99	A	60A1Z10	3/4	.44
11	60B1Z11	3.000	B	3/4	1 1/8	2 1/4	1 1/4	1.16	A	60A1Z11	3/4	.54
12	60B1Z12	3.250	B	3/4	1 1/2	2 3/8	1 1/4	1.47	A	60A1Z12	3/4	.68
13	60B1Z13	3.490	B	3/4	1 1/2	2 1/2	1 1/4	1.66	A	60A1Z13	3/4	.80
14	60B1Z14	3.740	B	3/4	1 1/2	2 3/4	1 1/4	2.00	A	60A1Z14	3/4	.94
15	60B1Z15	3.980	B	3/4	1 1/2	2 3/4	1 1/4	2.51	A	60A1Z15	3/4	1.08
16	60B1Z16	4.220	B	3/4	2	3 1/8	1 1/4	2.81	A	60A1Z16	3/4	1.24
17	60B1Z17	4.460	B	3/4	2 1/4	3 1/4	1 1/4	3.22	A	60A1Z17	3/4	1.44
18	60B1Z18	4.700	B	3/4	2 3/8	3 1/2	1 1/4	3.72	A	60A1Z18	3/4	1.62
19	60B1Z19	4.950	B	3/4	2 3/8	3 1/2	1 1/4	3.92	A	60A1Z19	3/4	1.84
20	60B1Z20	5.190	B	3/4	2 3/8	3 3/8	1 1/4	4.63	A	60A1Z20	3/4	2.12
21	60B1Z21	5.430	B	3/4	2 3/4	4	1 1/4	5.00	A	60A1Z21	3/4	2.28
22	60B1Z22	5.670	B	3/4	2 3/4	4	1 1/4	5.25	A	60A1Z22	3/4	2.48
23	60B1Z23	5.910	B	3/4	2 3/4	4	1 1/4	5.48	A	60A1Z23	3/4	2.68
24	60B1Z24	6.150	B	3/4	2 3/4	4	1 1/4	5.78	A	60A1Z24	23/32	3.00
25	60B1Z25	6.390	B	3/4	2 3/4	4	1 1/4	6.13	A	60A1Z25	23/32	3.34
26	60B1Z26	6.630	B	3/4	2 3/4	4	1 1/4	6.38	A	60A1Z26	23/32	3.54
27	60B1Z27	6.870	B	3/4	2 3/4	4	1 1/4	6.72	A	60A1Z27	23/32	3.96
28	60B1Z28	7.110	B	3/4	2 3/4	4	1 1/4	6.88	A	60A1Z28	23/32	4.14
29	60B1Z29	7.350	B	3/4	2 3/4	4	1 1/4	7.28	A	60A1Z29	23/32	4.40
30	60B1Z30	7.590	B	3/4	2 3/4	4	1 1/4	7.58	A	60A1Z30	23/32	4.78
31	60B1Z31	7.830	B	3/4	2 3/4	4	1 1/4	7.72	A	60A1Z31	23/32	5.24
32	60B1Z32	8.070	B	3/4	2 3/4	4	1 1/4	8.26	A	60A1Z32	23/32	5.52
33	60B1Z33	8.300	B	1	2 3/4	4	1 1/4	8.42	A	60A1Z33	15/16	5.86
34	60B1Z34	8.540	B	1	2 3/4	4	1 1/4	8.80	A	60A1Z34	15/16	6.16
35	60B1Z35	8.780	B	1	2 3/4	4	1 1/4	9.04	A	60A1Z35	15/16	6.78
36	60B1Z36	9.020	B	1	2 3/4	4	1 1/4	9.60	A	60A1Z36	15/16	6.82
37	60B1Z37	9.260	B	1	2 3/4	4	1 1/4	10.24	A	60A1Z37	15/16	7.52
38	60B1Z38	9.500	B	1	2 3/4	4 1/4	1 1/4	10.84	A	60A1Z38	15/16	7.84
39	60B1Z39	9.740	B	1	2 3/4	4 1/4	1 1/4	11.36	A	60A1Z39	15/16	8.28
40	60B1Z40	9.980	B	1	2 3/4	4 1/4	1 1/4	11.50	A	60A1Z40	15/16	8.56
41	60B1Z41	10.220	B	1	2 3/4	4 1/4	1 1/4	12.14	A	60A1Z41	15/16	9.10
42	60B1Z42	10.460	B	1	2 3/4	4 1/4	1 1/4	12.74	A	60A1Z42	15/16	9.84
43	60B1Z43	10.700	B	1	2 3/4	4 1/4	1 1/4	13.00	A	60A1Z43	15/16	9.74
44	60B1Z44	10.940	B	1 5/8	2 3/4	4 1/4	1 1/4	13.88	A	60A1Z44	15/16	10.76
45	60B1Z45	11.180	B	1 5/8	2 3/4	4 1/4	1 1/4	13.98	A	60A1Z45	15/16	11.08
46	60B1Z46	11.420	B	1 5/8	2 3/4	4 1/4	1 1/4	14.60	A	60A1Z46	15/16	11.50
47	60B1Z47	11.650	B	1 5/8	2 3/4	4 1/4	1 1/4	15.00	A	60A1Z47	15/16	12.32
48	60B1Z48	11.890	B	1 5/8	2 3/4	4 1/4	1 1/4	15.82	A	60A1Z48	15/16	12.42
49	60B1Z49	12.130	B	1 5/8	2 3/4	4 1/4	1 1/4	15.90	A	60A1Z49	15/16	12.92
50	60B1Z50	12.370	B	1 5/8	2 3/4	4 1/4	1 1/4	17.66	A	60A1Z50	15/16	13.98
51	60B1Z51	12.610	B	1 5/8	2 3/4	4 1/4	1 1/4	16.98	A	60A1Z51	15/16	14.58
52	60B1Z52	12.850	B	1 5/8	2 3/4	4 1/4	1 1/4	17.93	A	60A1Z52	15/16	14.60
53	60B1Z53	13.090	B	1 5/8	2 3/4	4 1/4	1 1/4	17.99	A	60A1Z53	15/16	15.84
54	60B1Z54	13.330	B	1 5/8	2 3/4	4 1/4	1 1/4	21.60	A	60A1Z54	15/16	15.92
55	60B1Z55	13.570	B	1 1/4	2 3/4	4 1/4	1 1/4	21.14	A	60A1Z55	1 1/4	16.96
56	60B1Z56	13.810	B	1 1/4	2 3/4	4 1/4	1 1/4	21.88	A	60A1Z56	1 1/4	17.60
57	60B1Z57	14.040	B	1 1/4	2 3/4	4 1/4	1 1/4	22.26	A	60A1Z57	1 1/4	17.62
58	60B1Z58	14.280	B	1 1/4	2 3/4	4 1/4	1 1/4	22.80	A	60A1Z58	1 1/4	19.00
59	60B1Z59	14.520	B	1 1/4	2 3/4	4 1/4	1 1/4	23.86	A	60A1Z59	1 1/4	19.20
60	60B1Z60	14.760	B	1 1/4	2 3/4	4 1/4	1 1/4	25.22	A	60A1Z60	1 1/4	20.02
64	60B1Z64	15.720	B	1 1/4	2 3/4	4 1/4	1 1/4	27.40	A	60A1Z64	1 1/4	23.00
65	60B1Z65	15.960	B	1 1/4	2 3/4	4 1/4	1 1/4	28.92	A	60A1Z65	1 1/4	23.24
66	60B1Z66								A	60A1Z66	1 1/4	24.42
68	60B1Z68	16.670	B	1 1/4	2 3/4	4 1/4	1 1/4	30.38	A	60A1Z68	1 1/4	25.54
70	60B1Z70	17.150	B	1 1/4	2 3/4	4 1/4	1 1/4	31.98	A	60A1Z70	1 1/4	27.20
72	60B1Z72	17.630	B	1 1/4	2 3/4	4 1/4	2	34.18	A	60A1Z72	1 1/4	28.90
76	60B1Z76	18.580	B	1 1/4	2 3/4	4 1/4	2	38.06	A	60A1Z76	1 1/4	32.34
80	60B1Z80	19.540	B	1 1/4	2 3/4	4 1/4	2	41.88	A	60A1Z80	1 1/4	45.50
84	60B1Z84	20.490	B	1 1/4	3 3/8	4 1/4	2	46.46	A	60A1Z84	1 1/4	40.18
90	60B1Z90	21.930	B	1 1/4	3 3/8	5	2 1/4	63.20	A	60A1Z90	1 1/4	43.44
96	60B1Z96	23.360	B	1 1/4	3 3/8	5 1/2	2 1/4	63.08	A	60A1Z96	1 1/4	52.02
112	60B1Z112	27.180	B	1 1/4	3 3/8	5 1/2	2 1/4	81.78	A	60A1Z112	1 1/4	70.80

Tipo A
Type A
Type A



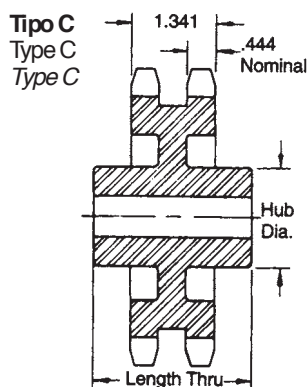
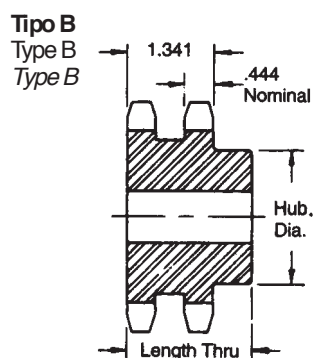
Tipo B
Type B
Type B



Material: C45 Uni 7847
Matériau: C45 Uni 7847
Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) **PIGNONS ET DISQUES NORME AMERICAINE (ASA)** **AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)**

No. 60-2 paso 3/4" / No. 60-2 pas 3/4" / No. 60-2 3/4" Pitch



Doble, tipo B&C / Double - Type B&C / Double - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	60B2Z11	3.000	B	1	1¼	1⅞	2½	1.62
12	60B2Z12	3.250	B	1	1⅞	2½	2½	2.20
13	60B2Z13	3.490	B	1	1½	2¼	2½	2.60
14	60B2Z14	3.740	B	1	1¾	2½	2½	3.24
15	60B2Z15	3.980	B	1	1⅞	2⅞	2½	3.96
16	60B2Z16	4.220	B	1	2	3	2½	4.62
17	60B2Z17	4.460	B	1	2¼	3¼	2½	5.40
18	60B2Z18	4.700	B	1	2½	3½	2½	6.24
19	60B2Z19	4.950	B	1	2½	3⅞	2½	7.00
20	60B2Z20	5.190	B	1	2½	3¾	2½	7.72
21	60B2Z21	5.430	B	1	2¾	4½	2½	8.82
22	60B2Z22	5.670	B	1	2¾	4¼	2½	9.68
23	60B2Z23	5.910	B	1	2¾	4¼	2½	10.30
24	60B2Z24	6.150	B	1	2¾	4¼	2½	11.14
25	60B2Z25	6.390	B	1	2¾	4¼	2½	11.96
26	60B2Z26	6.630	B	1	2¾	4¼	2½	12.70
30	60B2Z30	7.590	B	1	2¾	4¼	2½	16.36
32	60B2Z32	8.070	B	1¼	3	4½	2½	19.52
35	60B2Z35	8.780	B	1¼	3	4½	2½	22.80
36	60B2Z36	9.020	B	1¼	3	4½	2½	23.82
40	40B2Z40	9.980	B	1¼	3¾	4¾	2½	30.84
42	60B2Z42	10.460	B	1¼	3¾	4¾	2½	33.08
45	60B2Z45	11.180	B	1¼	3¾	4¾	2½	37.08
52	60B2Z52	12.850	B	1¼	3¾	4¾	2½	48.70
60	60B2Z60	14.760	B	1¼	3¾	4¾	2½	63.10
68	60C2Z68	16.670	C	1¼	3⅞	5	3	53.68
72	60C2Z72	17.630	C	1¼	3⅞	5	3	53.74
76	60C2Z76	18.580	C	1¼	3⅞	5	3	60.28
95	60C2Z95	23.120	C	1¼	3¾	5½	3½	87.14

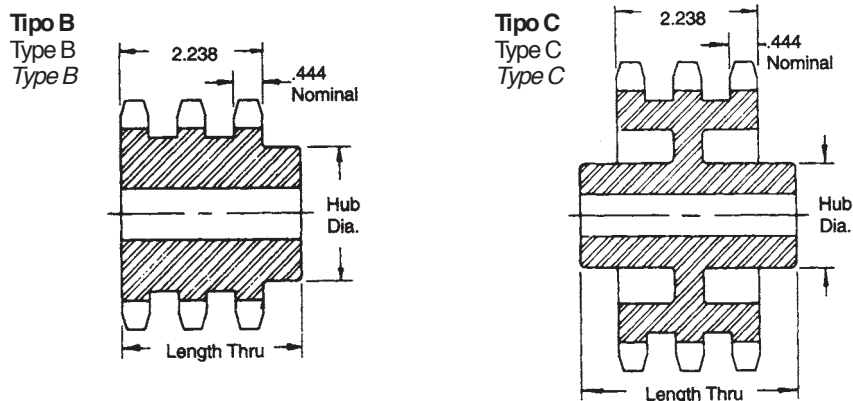
Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 60-3 paso 3/4" / No. 60-3 pas 3/4" / No. 60-3 3/4" Pitch



Triple, tipo B&C / Triple - Type B&C / Triple - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	60B3Z11	3.000	B	1	1 1/4	1 3/8	3	2.5
12	60B3Z12	3.250	B	1	1 1/2	2 1/8	3	3.3
13	60B3Z13	3.490	B	1	1 3/4	2 1/4	3	3.9
14	60B3Z14	3.740	B	1	1 7/8	2 1/2	3	4.5
15	60B3Z15	3.980	B	1	2	2 3/8	3	5.4
16	60B3Z16	4.220	B	1	2 1/4	3	3	6.5
17	60B3Z17	4.460	B	1	2 1/2	3 1/4	3	7.7
18	60B3Z18	4.700	B	1	2 3/4	3 1/2	3	8.5
19	60B3Z19	4.950	B	1	2 7/8	3 3/8	3	10.0
20	60B3Z20	5.190	B	1	3	3 1/2	3	11.2
21	60B3Z21	5.430	B	1	3 1/4	4	3	12.5
22	60B3Z22	5.670	B	1	3 1/2	4 1/8	3	13.2
23	60B3Z23	5.910	B	1	3 3/4	4 1/4	3	14.6
24	60B3Z24	6.150	B	1	3 7/8	4 1/2	3	15.8
25	60B3Z25	6.390	B	1	4	4 3/4	3	17.0
26	60B3Z26	6.630	B	1	4 1/4	4 7/8	3	18.6
30	60B3Z30	7.590	B	1	5	5 1/2	3	23.2
35	60B3Z35	8.780	B	1 1/4	6	6 1/2	3 1/4	34.5
36	60B3Z36	9.020	B	1 1/4	6 1/4	6 3/4	3 1/4	37.0
42	60B3Z42	10.460	B	1 1/2	7	7 1/2	3 3/4	49.0
45	60B3Z45	11.180	B	1 3/4	7 1/2	7 3/4	3 3/4	57.0
52	60C3Z52	12.850	C	1 3/4	8 1/4	8 1/2	3 1/2	73.0
60	60C3Z60	14.760	C	1 3/4	9 1/4	9 1/2	3 1/2	63.0
68	60C3Z68	16.670	C	1 3/4	10 1/4	10 1/2	3 1/2	73.0
72	60C3Z72	17.630	C	1 3/4	11 1/4	11 1/2	3 1/2	85.0
76	60C3Z76	18.580	C	1 3/4	12 1/4	12 1/2	3 1/2	82.0
95	60C3Z95	23.120	C	1 3/4	15 1/4	15 1/2	4	105.0

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) PIGNONS ET DISQUES NORME AMERICAINE (ASA) AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

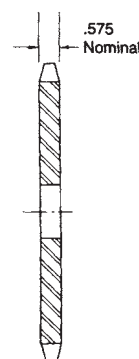
No. 80 paso 1" / No. 80 pas 1" / No. 80 1" Pitch

Simple, tipo B
 Simple - Type B
 Single - Type B

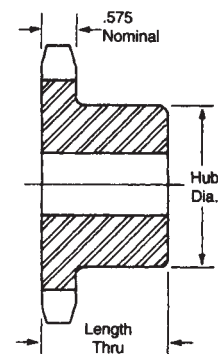
Simple, tipo A
 Simple - Type A
 Single - Type A

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. exterior Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Aléses (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type Type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en li- bras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. max. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
8	80B1Z8	3.010	B	1	1	1 1/16	1 1/8	1.4				
9	80B1Z9	3.350	B	1	1 1/16	2 1/4	1 1/8	1.6	A	80A1Z9	1 5/16	.8
10	80B1Z10	3.680	B	1	1 1/2	2 3/16	1 1/8	2.2	A	80A1Z10	1 5/16	1.0
11	80B1Z11	4.010	B	1	1 5/8	2 3/8	1 1/8	3.2	A	80A1Z11	1 5/16	1.3
12	80B1Z12	4.330	B	1	1 7/8	3 1/8	1 1/8	3.4	A	80A1Z12	1 5/16	1.5
13	80B1Z13	4.660	B	1	2	3	1 1/2	3.5	A	80A1Z13	1 5/16	1.8
14	80B1Z14	4.980	B	1	2 1/4	3 3/4	1 1/2	4.1	A	80A1Z14	1 5/16	2.2
15	80B1Z15	5.300	B	1	2 1/2	3 13/16	1 1/2	5.3	A	80A1Z15	1 5/16	2.5
16	80B1Z16	5.630	B	1	2 3/4	4	1 1/2	5.9	A	80A1Z16	1 5/16	2.9
17	80B1Z17	5.950	B	1	2 3/4	4	1 1/2	6.6	A	80A1Z17	1 5/16	3.3
18	80B1Z18	6.270	B	1	2 3/4	4 1/4	1 1/2	7.3	A	80A1Z18	1 5/16	3.7
19	80B1Z19	6.590	B	1	2 3/4	4 1/4	1 1/2	7.8	A	80A1Z19	1 5/16	4.1
20	80B1Z20	6.910	B	1	2 3/4	4 1/4	1 1/2	8.4	A	80A1Z20	1 5/16	4.7
21	80B1Z21	7.240	B	1	2 3/4	4 1/4	1 1/2	9.4	A	80A1Z21	1 5/16	4.9
22	80B1Z22	7.560	B	1	2 3/4	4 1/4	1 1/2	10.0	A	80A1Z22	1 5/16	5.5
23	80B1Z23	7.880	B	1	2 3/4	4 1/4	1 1/2	10.7	A	80A1Z23	1 5/16	6.3
24	80B1Z24	8.200	B	1	2 3/4	4 1/4	1 1/2	11.3	A	80A1Z24	1 5/16	6.7
25	80B1Z25	8.520	B	1	2 3/4	4 1/4	1 1/2	11.9	A	80A1Z25	1 5/16	7.2
26	80B1Z26	8.840	B	1 1/4	3 1/4	4 3/4	2	14.3	A	80A1Z26	1 5/16	7.8
27	80B1Z27	9.160	B	1 1/4	3 1/4	4 3/4	2	15.4	A	80A1Z27	1 5/16	8.6
28	80B1Z28	9.480	B	1 1/4	3 1/4	4 3/4	2	16.0	A	80A1Z28	1 5/16	9.3
29	80B1Z29	9.800	B	1 1/4	3 1/4	4 3/4	2	17.1	A	80A1Z29	1 5/16	9.8
30	80B1Z30	10.110	B	1 1/4	3 1/4	4 3/4	2	17.4	A	80A1Z30	1 5/16	10.7
31	80B1Z31	10.430	B	1 1/4	3 1/4	4 3/4	2	18.7	A	80A1Z31	1 5/16	11.3
32	80B1Z32	10.750	B	1 1/4	3 1/4	4 3/4	2	19.5	A	80A1Z32	1 5/16	12.1
33	80B1Z33	11.070	B	1 1/4	3 1/4	4 3/4	2	19.6	A	80A1Z33	1 5/16	13.6
34	80B1Z34	11.390	B	1 1/4	3 1/4	4 3/4	2	21.3	A	80A1Z34	1 5/16	14.3
35	80B1Z35	11.710	B	1 1/4	3 1/4	4 3/4	2	22.1	A	80A1Z35	1 5/16	14.8
36	80B1Z36	12.030	B	1 1/4	3 1/4	4 3/4	2	23.1	A	80A1Z36	1 5/16	16.1
37	80B1Z37	12.350	B	1 1/4	3 1/4	4 3/4	2	23.8	A	80A1Z37	1 5/16	16.8
38	80B1Z38	12.670	B	1 1/4	3 1/4	4 3/4	2	24.7	A	80A1Z38	1 5/16	17.2
39	80B1Z39	12.990	B	1 1/4	3 1/4	4 3/4	2	25.6	A	80A1Z39	1 5/16	17.9
40	80B1Z40	13.310	B	1 1/4	3 1/4	4 3/4	2	26.7	A	80A1Z40	1 5/16	18.9
41	80B1Z41	13.630	B	1 1/4	3 1/4	4 3/4	2	27.8	A	80A1Z41	1 1/4	21.0
42	80B1Z42	13.940	B	1 1/4	3 1/4	4 3/4	2	28.7	A	80A1Z42	1 1/4	21.8
43	80B1Z43	14.260	B	1 1/4	3 1/4	4 3/4	2	29.4	A	80A1Z43	1 1/4	23.6
44	80B1Z44	14.580	B	1 1/4	3 1/4	4 3/4	2	29.9	A	80A1Z44	1 1/4	24.3
45	80B1Z45	14.900	B	1 1/4	3 1/4	4 3/4	2	31.4	A	80A1Z45	1 1/4	25.2
46	80B1Z46	15.220	B	1 1/4	3 1/4	4 3/4	2	33.1	A	80A1Z46	1 1/4	26.6
47	80B1Z47	15.540	B	1 1/4	3 1/4	4 3/4	2	34.0	A	80A1Z47	1 1/4	26.4
48	80B1Z48	15.860	B	1 1/4	3 1/4	4 3/4	2	35.5	A	80A1Z48	1 1/4	27.8
49	80B1Z49	16.180	B	1 1/4	3 1/4	4 3/4	2	35.8	A	80A1Z49	1 1/4	28.9
50	80B1Z50	16.500	B	1 1/4	3 1/4	4 3/4	2	37.3	A	80A1Z50	1 1/4	30.9
51	80B1Z51	16.810	B	1 1/4	3 1/4	4 3/4	2	38.6	A	80A1Z51	1 1/4	32.2
52	80B1Z52	17.130	B	1 1/4	3 1/4	4 3/4	2	39.4	A	80A1Z52	1 1/4	33.0
53	80B1Z53	17.450	B	1 1/4	3 1/4	4 3/4	2	41.3	A	80A1Z53	1 1/4	34.9
54	80B1Z54	17.770	B	1 1/4	3 1/2	5 1/4	2	44.7	A	80A1Z54	1 1/4	36.6
55	80B1Z55	18.090	B	1 1/4	3 1/2	5 1/4	2	45.6	A	80A1Z55	1 1/4	37.5
56	80B1Z56	18.410	B	1 1/4	3 1/2	5 1/4	2	47.5	A	80A1Z56	1 1/4	39.4
57	80B1Z57	18.730	B	1 1/4	3 1/2	5 1/4	2	48.5	A	80A1Z57	1 1/4	40.4
58	80B1Z58	19.040	B	1 1/4	3 1/2	5 1/4	2	50.5	A	80A1Z58	1 1/4	41.3
59	80B1Z59	19.360	B	1 1/4	3 1/2	5 1/4	2	52.1	A	80A1Z59	1 1/4	42.9
60	80B1Z60	19.680	B	1 1/4	3 1/2	5 1/4	2	54.5	A	80A1Z60	1 1/4	45.3
65	80B1Z65	21.270	B	1 1/4	3 1/2	5 1/4	2	61.8	A	80A1Z65	1 1/4	52.2
70	80B1Z70	22.870	C	1 1/2	4 1/4	6 1/4	3 1/2	75.7	A	80A1Z70	1 1/2	59.8
72	80B1Z72	23.500	C	1 1/2	4 1/4	6 1/4	3 1/2	81.4	A	80A1Z72	1 1/2	65.7
76	80B1Z76	24.780	C	1 1/2	4 1/4	6 1/4	3 1/2	87.8	A	80A1Z76	1 1/2	70.2
80	80B1Z80	26.050	C	1 1/2	4 1/4	6 1/4	3 1/2	89.9	A	80A1Z80	1 1/2	79.6
84	80B1Z84	27.330	C	1 1/2	4 1/4	6 1/4	3 1/2	99.2	A	80A1Z84	1 1/2	86.1
90	80B1Z90	29.240	C	1 1/2	4 1/4	6 1/4	3 1/2	106	A	80A1Z90	1 1/2	101
96	80B1Z96	31.150	C	1 1/2	4 1/4	6 1/4	3 1/2	117	A	80A1Z96	1 1/2	120
112	80B1Z112	36.240	C	1 1/2	4 1/4	6 1/4	3 1/2	154	A	80A1Z112	1 1/2	165

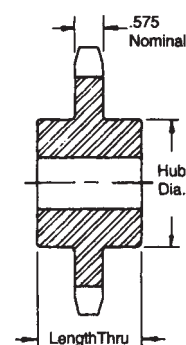
Tipo A
 Type A
 Type A



Tipo B
 Type B
 Type B



Tipo C
 Type C
 Type C



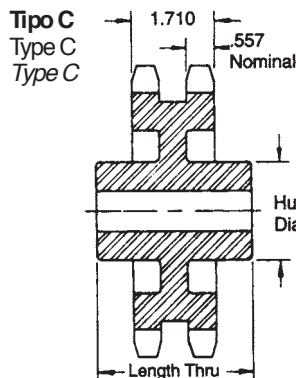
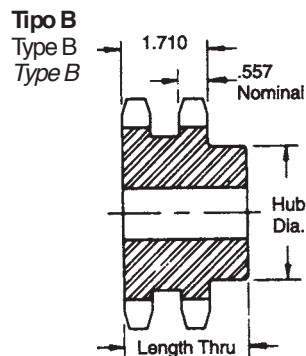
Material: C 45 Uni 7847
 Matériau: C 45 Uni 7847
 Material: C 45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 80-2 paso 1" / No. 80-2 pas 1" / No. 80-2 1" Pitch



Doble, tipo B&C / Double - Type B&C / Double - Type B&C

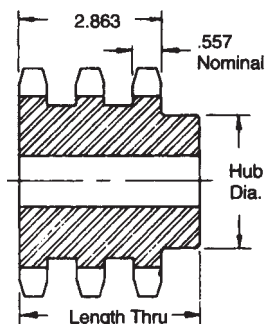
Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
10	80B2Z10	3.680	B	1	1½	2⅞ ₁₆	2⅜	3.6
11	80B2Z11	4.010	B	1	1¾	2½	2½	4.0
12	80B2Z12	4.330	B	1	1⅞	2⅝ ₂	2½	5.1
13	80B2Z13	4.660	B	1	2¼	3⅝ ₂	2½	6.3
14	80B2Z14	4.980	B	1	2⅝	3⅞ ₂	2½	7.6
15	80B2Z15	5.300	B	1	2½	3⅞ ₄	2½	9.0
16	80B2Z16	5.630	B	1	2¾	4	2¾	11.0
17	80B2Z17	5.950	B	1	3	4⅞ ₄	2¾	13.2
18	80B2Z18	6.270	B	1	3¼	4⅞ ₄	2¾	15.0
19	80B2Z19	6.590	B	1	3⅝ ₈	5	2¾	17.0
20	80B2Z20	6.910	B	1	3⅝ ₈	5	2¾	18.2
21	80B2Z21	7.240	B	1	3⅝ ₈	5	2¾	19.6
22	80B2Z22	7.560	B	1	3⅝ ₈	5	2¾	21.0
23	80B2Z23	7.880	B	1	3⅝ ₈	5	2¾	22.8
24	80B2Z24	8.200	B	1	3½	5¼	2¾	25.1
25	80B2Z25	8.520	B	1	3½	5¼	3	28.3
26	80B2Z26	8.840	B	1	3½	5¼	3	29.9
30	80B2Z30	10.110	B	1¼	3¾	5¾	3	39.5
32	80B2Z32	10.750	B	1¼	3¾	5¾	3	43.8
35	80B2Z35	11.710	B	1¼	3¾	5¾	3	49.1
36	80B2Z36	12.030	B	1¼	3¾	5¾	3⅞	54.2
42	80B2Z42	13.940	B	1¼	3¾	5¾	3⅞	71.5
45	80B2Z45	14.900	B	1¼	3¾	5¾	3⅞	73.5
52	80B2Z52	17.130	C	1½	3¾	5¾	3¾	78.4
60	80B2Z60	19.680	C	1½	3¾	5¾	3¾	93.3
68	80C2Z68	22.230	C	1½	3⅞ ₁₆	6	4	96.2
76	80C2Z76	24.780	C	1½	3⅞ ₁₆	6	4	113
95	80C2Z95	30.830	C	1½	4	6	4¼	165

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

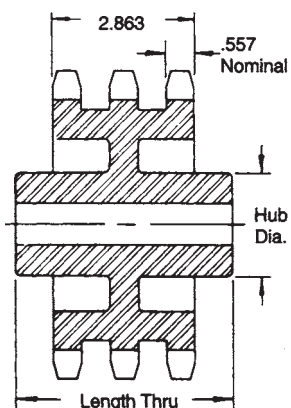
PIÑONES Y DISCOS NORMA AMERICANA (ASA) PIGNONS ET DISQUES NORME AMERICAINE (ASA) AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 80-3 paso 1" / No. 80-3 pas 1" / No. 80-3 1" Pitch

Tipo B
Type B
Type B



Tipo C
Type C
Type C



Triple, tipo B&C / Triple - Type B&C / Triple - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	80B3Z11	4.010	B	1	1¼	2½	3⅝	5.9
12	80B3Z12	4.330	B	1	1⅝	2⅝ ₃₂	3⅝	7.5
13	80B3Z13	4.660	B	1	2¼	3⅝ ₃₂	3⅝	9.2
14	80B3Z14	4.980	B	1	2⅝	3⅝ ₃₂	3⅝	11.0
15	80B3Z15	5.300	B	1	2½	3⅝ ₆₄	3⅝	13.1
16	80B3Z16	5.630	B	1	2¾	4	3⅝	15.8
17	80B3Z17	5.950	B	1	3	4⅝ ₆₄	3⅝	18.6
18	80B3Z18	6.270	B	1	3¼	4⅝ ₆₄	3⅝	21.2
19	80B3Z19	6.590	B	1	3⅝ ₁₆	5	3⅝	23.7
20	80B3Z20	6.910	B	1	3⅝ ₁₆	5	3⅝	26.0
21	80B3Z21	7.240	B	1	3⅝ ₁₆	5	3⅝	28.4
22	80B3Z22	7.560	B	1	3⅝ ₁₆	5	3⅝	31.0
23	80B3Z23	7.880	B	1	3⅝ ₁₆	5	3⅝	33.6
24	80B3Z24	8.200	B	1	3½	5¼	3⅝	37.1
25	80B3Z25	8.520	B	1	3½	5¼	3⅝	40.1
26	80B3Z26	8.840	B	1	3½	5¼	3⅝	42.9
30	80B3Z30	10.110	B	1¼	3¾	5¾	4¼	54.5
35	80B3Z35	11.710	B	1¼	3¾	5¾	4¼	79.5
36	80B3Z36	12.030	B	1¼	3¾	5¾	4¼	83.9
42	80C3Z42	13.940	C	1¼	3⅝ ₁₆	6	4½	84.9
45	80C3Z45	14.900	C	1¼	3⅝ ₁₆	6	4½	92.4
52	80C3Z52	17.130	C	1½	3⅝ ₁₆	6	4½	107
60	80C3Z60	19.680	C	1½	4¼	6¼	4¾	128
68	80C3Z68	22.230	C	1½	4¼	6¼	4¾	140
76	80C3Z76	24.780	C	1½	4¼	6¼	4¾	165
95	80C3Z95	30.830	C	1½	4½	6¾	5	240

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

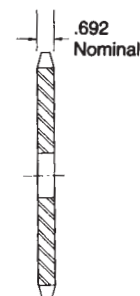
No. 100 paso 1 1/4" / No. 100 pas 1 1/4" / No. 100 1 1/4" Pitch

Simple, tipo B&C
Simple - Type B&C
Single - Type B&C

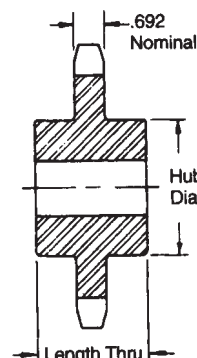
Simple, tipo A
Simple - Type A
Single - Type A

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. exterior Diamètre ext. Outside Diameter	Tipo Type	Agujeros (pulgadas) Aléses (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en li- bras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
7		3.350							A	100A1Z7	1	1.2
8	100B1Z8	3.770	B	1	1 1/4	2 7/16	1 7/8	2.3	A	100A1Z8	1	1.4
9	100B1Z9	4.180	B	1	1 5/8	2 11/16	1 7/8	3.2	A	100A1Z9	1	1.6
10	100B1Z10	4.600	B	1	1 7/8	3 1/4	1 7/8	4.1	A	100A1Z10	1	2.0
11	100B1Z11	5.010	B	1	2 1/4	3 9/16	1 7/8	5.3	A	100A1Z11	1 1/4	2.5
12	100B1Z12	5.420	B	1	2 1/4	4	1 7/8	6.4	A	100A1Z12	1 1/4	3.0
13	100B1Z13	5.820	B	1	2 3/8	3 3/8	1 7/8	6.6	A	100A1Z13	1 1/4	3.5
14	100B1Z14	6.230	B	1 1/4	2 3/4	4 3/16	1 7/8	7.4	A	100A1Z14	1 1/4	4.1
15	100B1Z15	6.630	B	1 1/4	3	4 1/2	1 7/8	9.2	A	100A1Z15	1 1/4	4.7
16	100B1Z16	7.030	B	1 1/8	3	4 1/2	1 3/4	9.9	A	100A1Z16	1 1/4	5.4
17	100B1Z17	7.440	B	1 1/8	3	4 1/2	1 3/4	10.8	A	100A1Z17	1 1/4	6.1
18	100B1Z18	7.840	B	1 1/8	3	4 1/2	1 3/4	11.5	A	100A1Z18	1 1/4	7.0
19	100B1Z19	8.240	B	1 1/8	3	4 1/2	2	13.1	A	100A1Z19	1 1/4	7.8
20	100B1Z20	8.640	B	1 1/8	3	4 1/2	2	14.2	A	100A1Z20	1 1/4	8.8
21	100B1Z21	9.040	B	1 1/8	3	4 1/2	2	15.3	A	100A1Z21	1 1/4	9.8
22	100B1Z22	9.440	B	1 1/8	3	4 1/2	2	16.1	A	100A1Z22	1 1/4	10.5
23	100B1Z23	9.840	B	1 1/4	3	4 1/2	2	17.2	A	100A1Z23	1 1/4	11.8
24	100B1Z24	10.250	B	1 1/4	3	4 1/2	2	19.2	A	100A1Z24	1 1/4	12.8
25	100B1Z25	10.650	B	1 1/4	3	4 1/2	2	19.5	A	100A1Z25	1 1/4	13.9
26	100B1Z26	11.050	B	1 1/4	3 3/16	5	2	21.7	A	100A1Z26	1 1/4	15.0
27	100B1Z27	11.440	B	1 1/4	3 3/16	5	2	23.0	A	100A1Z27	1 1/4	16.0
28	100B1Z28	11.840	B	1 1/4	3 3/16	5	2	24.4	A	100A1Z28	1 1/4	17.4
29	100B1Z29	12.240	B	1 1/4	3 3/16	5	2	25.0	A	100A1Z29	1 1/4	19.6
30	100B1Z30	12.640	B	1 1/4	3 3/16	5	2	26.9	A	100A1Z30	1 1/4	20.1
31		13.040							A	100A1Z31	1 1/4	21.5
32	100B1Z32	13.440	B	1 1/4	3 3/16	5	2	29.8	A	100A1Z32	1 1/4	22.6
33		13.840							A	100A1Z33	1 1/4	24.1
34		14.240							A	100A1Z34	1 1/4	26.0
35	100B1Z35	14.640	B	1 1/4	3 3/16	5	2 1/2	36.9	A	100A1Z35	1 1/4	27.2
36	100B1Z36	15.040	B	1 1/4	3 3/16	5	2 1/2	38.6	A	100A1Z36	1 1/4	30.0
37		15.440							A	100A1Z37	1 1/4	31.0
38	100B1Z38	15.840	B	1 1/4	3 3/16	5	2 1/2	41.5	A	100A1Z38	1 1/4	33.0
39	100B1Z39	16.230	B	1 1/4	3 3/16	5	2 1/2	43.6	A	100A1Z39	1 1/4	35.0
40	100B1Z40	16.630	B	1 1/4	3 3/16	5	2 1/2	46.9	A	100A1Z40	1 1/4	36.0
41		17.030							A	100A1Z41	1 1/4	39.0
42	100B1Z42	17.430	B	1 1/4	3 3/16	5	2 1/2	50.4	A	100A1Z42	1 1/4	40.0
43		17.830							A	100A1Z43	1 1/2	43.0
44		18.230							A	100A1Z44	1 1/2	45.0
45	100B1Z45	18.630	B	1 1/2	3 3/16	5	2 1/2	54.0	A	100A1Z45	1 1/2	47.0
46		19.020							A	100A1Z46	1 1/2	48.0
47		19.420							A	100A1Z47	1 1/2	52.0
48	100B1Z48	19.820	B	1 1/2	4	6	2 1/2	66.0	A	100A1Z48	1 1/2	54.0
49		20.220							A	100A1Z49	1 1/2	56.0
50		20.620							A	100A1Z50	1 1/2	57.0
51		21.020							A	100A1Z51	1 1/2	63.0
52		21.420							A	100A1Z52	1 1/2	64.0
53		21.810							A	100A1Z53	1 1/2	64.2
54	100C1Z54	22.210	C	1 1/2	4	6	3 1/4	78.0	A	100A1Z54	1 1/2	68.0
55		22.610							A	100A1Z55	1 1/2	70.0
56		23.010							A	100A1Z56	1 1/2	72.0
57		23.410							A	100A1Z57	1 1/2	75.8
58		23.810							A	100A1Z58	1 1/2	76.0
59		24.200							A	100A1Z59	1 1/2	77.0
60	100C1Z60	24.600	C	1 1/2	4	6	3 1/4	89.0	A	100A1Z60	1 1/2	80.0
70	100C1Z70	28.580	C	1 1/2	5 1/4	7	3 3/4	125	A	100A1Z70	1 1/2	113
72	100C1Z72	29.380	C	1 1/2	5 1/4	7	3 3/4	134	A	100A1Z72	1 1/2	119
76	100C1Z76	30.973	C	1 1/2	5 1/4	7	3 3/4	143	A	100A1Z76	1 1/2	133
80	100C1Z80	32.570	C	1 1/2	5 1/4	7	3 3/4	151	A	100A1Z80	1 1/2	146
84	100C1Z84	34.160	C	1 1/2	5 1/4	7	3 3/4	170	A	100A1Z84	1 1/2	162
90	100C1Z90	36.550	C	1 1/2	5 1/4	7	3 3/4	184	A	100A1Z90	1 1/2	193
96	100C1Z96	38.930	C	1 1/2	5 1/4	7	4 1/2	203	A	100A1Z96	1 1/2	215

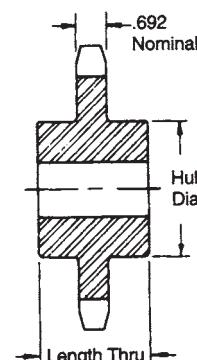
Tipo A
Type A
Type A



Tipo B
Type B
Type B



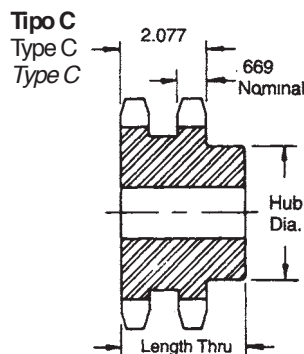
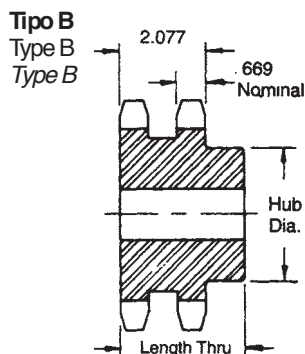
Tipo C
Type C
Type C



Material: C45 Uni 7847
Matériau: C45 Uni 7847
Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) PIGNONS ET DISQUES NORME AMERICAINE (ASA) AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 100-2 paso 1 1/4" / No. 100-2 pas 1 1/4" / No. 100-2 1 1/4" Pitch



Doble, tipo B&C / Double - Type B&C / Double - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
9	100B2Z9	4.180	B	1	1%	2%	2%	4.6
10	100B2Z10	4.600	B	1	1%	2%	2%	6.2
11	100B2Z11	5.010	B	1	2%	3%	2%	7.9
12	100B2Z12	5.420	B	1%	2%	3%	2%	9.3
13	100B2Z13	5.820	B	1%	2%	3%	2%	11.4
14	100B2Z14	6.230	B	1%	2%	4%	2%	13.6
15	100B2Z15	6.630	B	1%	3%	4%	3%	17.1
16	100B2Z16	7.030	B	1%	3%	5	3%	20.1
17	100B2Z17	7.440	B	1%	3%	5%	3%	23.1
18	100B2Z18	7.840	B	1%	3%	5%	3%	25.4
19	100B2Z19	8.240	B	1%	3%	5%	3%	29.6
20	100B2Z20	8.640	B	1%	3%	5%	3%	32.4
21	100B2Z21	9.040	B	1%	3%	5%	3%	35.3
22	100B2Z22	9.440	B	1%	3%	5%	3%	38.4
23	100B2Z23	9.840	B	1%	3%	5%	3%	41.3
24	100B2Z24	10.250	B	1%	3%	5%	3%	45.1
25	100B2Z25	10.650	B	1%	3%	5%	3%	48.5
26	100B2Z26	11.050	B	1%	3%	5%	3%	51.5
30	100B2Z30	12.640	B	1%	3%	5%	3%	65.0
35	100C2Z35	14.640	C	1%	3%	6	4%	75.0
45	100C2Z45	18.630	C	1%	3%	6	4%	103
60	100C2Z60	24.600	C	1%	5%	7%	5	175
70	100C2Z70	28.580	C	1%	5%	7%	5	197
80	100C2Z80	32.570	C	1%	5%	7%	5	231

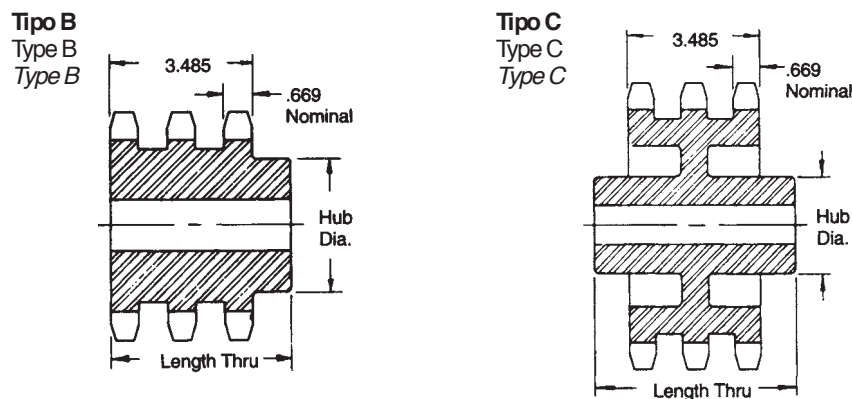
Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 100-3 paso 1 1/4" / No. 100-3 pas 1 1/4" / No. 100-3 1 1/4" Pitch



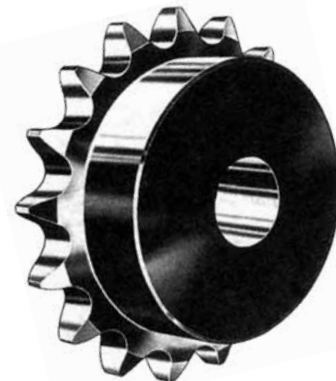
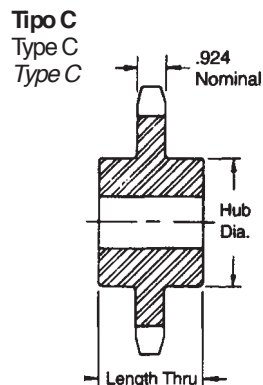
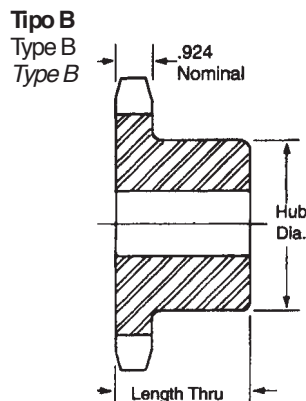
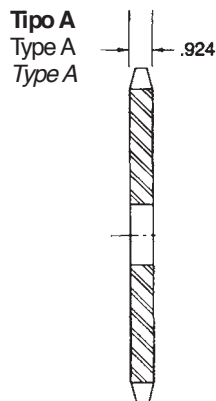
Triple, tipo B&C / Triple - Type B&C / Triple - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	100B3Z11	5.010	B	1	2 1/8	3 1/8	4 1/4	11.7
12	100B3Z12	5.420	B	1 1/8	2 1/4	3 3/8	4 1/4	13.7
13	100B3Z13	5.820	B	1 1/8	2 1/2	3 13/16	4 1/4	16.9
14	100B3Z14	6.230	B	1 1/8	2 3/4	4 1/8	4 1/4	20.2
15	100B3Z15	6.630	B	1 1/4	3 1/8	4 5/8	4 1/2	25.0
16	100B3Z16	7.030	B	1 1/4	3 1/8	5	4 1/2	29.3
17	100B3Z17	7.440	B	1 1/4	3 1/2	5 1/4	4 1/2	33.8
18	100B3Z18	7.840	B	1 1/4	3 1/2	5 1/4	4 3/4	38.6
19	100B3Z19	8.240	B	1 1/4	3 3/4	5 1/2	4 3/4	43.3
20	100B3Z20	8.640	B	1 1/4	3 3/4	5 1/2	4 3/4	47.9
21	100B3Z21	9.040	B	1 1/4	3 3/4	5 1/2	4 3/4	52.3
22	100B3Z22	9.440	B	1 1/4	3 3/4	5 1/2	4 3/4	57.5
23	100B3Z23	9.840	B	1 1/4	3 3/4	5 1/2	4 3/4	62.5
24	100B3Z24	10.250	B	1 1/4	3 3/4	5 3/4	4 3/4	69
25	100B3Z25	10.650	B	1 1/4	3 3/4	5 3/4	4 3/4	73
26	100B3Z26	11.050	B	1 1/2	3 13/16	5 3/4	4 3/4	79
30	100B3Z30	12.640	B	1 1/2	3 13/16	5 3/4	4 3/4	103
35	100C3Z35	14.640	C	1 1/2	4	6	5	108
45	100C3Z45	18.630	C	1 1/2	4	6	5	143
60	100C3Z60	24.600	C	1 1/2	5 5/8	7 1/2	5	217
70	100C3Z70	28.580	C	1 1/2	5 5/8	7 1/2	5	262
80	100C3Z80	32.570	C	1 1/2	5 5/8	7 1/2	5	313

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) **PIGNONS ET DISQUES NORME AMERICAINE (ASA)** **AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)**

No. 120 paso 1 1/2" / No. 120 pas 1 1/2" / No. 120 1 1/2" Pitch



Simple, tipo B&C / Simple - Type B&C / Single - Type B&C

Simple, tipo A / Simple - Type A / Single - Type A

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diámetro exterior Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox.) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type Type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en libras (aprox.) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
8		4.520								120A1Z8	1 1/4	2.4
9	120B1Z9	5.020	B	1 1/8	1 3/16	3 3/8	2 1/4	5.3	A	120A1Z9	1 1/4	3.0
10	120B1Z10	5.520	B	1 1/8	2 1/4	3 3/4	2 1/4	7.1	A	120A1Z10	1 1/4	3.8
11	120B1Z11	6.010	B	1 1/8	2 3/8	3 7/8	2 1/2	7.6	A	120A1Z11	1 1/4	4.8
12	120B1Z12	6.500	B	1 1/8	2 3/4	4 1/8	2 1/2	9.9	A	120A1Z12	1 1/4	5.8
13	120B1Z13	6.990	B	1 1/8	3	4 9/16	2 1/2	12.4	A	120A1Z13	1 1/4	6.7
14	120B1Z14	7.470	B	1 1/8	3 1/4	4 3/4	2 1/2	14.4	A	120A1Z14	1 1/4	8.0
15	120B1Z15	7.960	B	1 1/4	3 1/4	4 3/4	2 3/8	16.7	A	120A1Z15	1 1/4	9.1
16	120B1Z16	8.440	B	1 1/4	3 1/2	5 1/4	2 3/8	19.9	A	120A1Z16	1 1/4	10.6
17	120B1Z17	8.920	B	1 1/4	3 1/2	5 1/4	2 3/8	20.8	A	120A1Z17	1 1/4	12.6
18	120B1Z18	9.410	B	1 1/4	3 1/2	5 1/4	2 3/8	22.2	A	120A1Z18	1 1/4	13.6
19	120B1Z19	9.890	B	1 1/4	3 1/2	5 1/4	2 3/8	24.8	A	120A1Z19	1 1/4	15.1
20	120B1Z20	10.370	B	1 1/4	3 1/2	5 1/4	2 3/8	25.8	A	120A1Z20	1 1/4	16.9
21	120B1Z21	10.850	B	1 1/4	3 1/2	5 1/4	2 3/8	26.7	A	120A1Z21	1 1/4	18.7
22	120B1Z22	11.330	B	1 1/4	3 1/2	5 1/4	2 3/8	28.2	A	120A1Z22	1 1/4	20.0
23	120B1Z23	11.810	B	1 1/4	3 1/2	5 1/4	2 3/8	30.3	A	120A1Z23	1 1/4	22.1
24	120B1Z24	12.290	B	1 1/4	3 1/2	5 1/4	2 3/8	32.1	A	120A1Z24	1 1/4	24.8
25	120B1Z25	12.770	B	1 1/4	3 1/2	5 1/4	2 3/8	34.6	A	120A1Z25	1 1/4	26.8
26	120B1Z26	13.250	B	1 1/2	4	6	2 1/2	40.0	A	120A1Z26	1 1/2	28.3
27		13.730							A	120A1Z27	1 1/2	30.9
28	120B1Z28	14.210	B	1 1/2	4	6	2 1/2	44.9	A	120A1Z28	1 1/2	33.6
30	120B1Z30	15.170	B	1 1/2	4	6	2 1/2	50.2	A	120A1Z30	1 1/2	39.0
32	120B1Z32	16.130	B	1 1/2	4	6	2 1/2	56.0	A	120A1Z32	1 1/2	43.9
33		16.610							A	120A1Z33	1 1/2	48.2
34		17.090							A	120A1Z34	1 1/2	50
35	120B1Z35	17.570	B	1 1/2	4	6	2 1/2	62.4	A	120A1Z35	1 1/2	52
36	120B1Z36	18.050	B	1 1/2	4	6	2 1/2	66.4	A	120A1Z36	1 1/2	56
40	120C1Z40	19.960	C	1 1/2	4	6	3 3/4	92.0	A	120C1Z40	1 1/2	71
42	120C1Z42	20.920	C	1 1/2	4	6	3 3/4	98.0	A	120C1Z42	1 1/2	75
45	120C1Z45	22.350	C	1 1/2	4	6	3 3/4	99.2	A	120C1Z45	1 1/2	88
48	120C1Z48	23.790	C	1 1/2	4	6	4	113	A	120C1Z48	1 1/2	103
54	120C1Z54	26.650	C	1 1/2	4	6	4	133	A	120C1Z54	1 1/2	140
60	120C1Z60	29.520	C	1 1/2	5 1/4	7	4	160	A	120C1Z60	1 1/2	160
70	120C1Z70	34.300	C	1 1/2	5 5/8	7 1/2	4 1/2	206	A	120C1Z70	1 1/2	216
80	120C1Z80	39.080	C	1 1/2	5 5/8	7 1/2	4 1/2	254	A	120C1Z80	1 1/2	284
90		43.850							A	120A1Z90	1 1/2	358

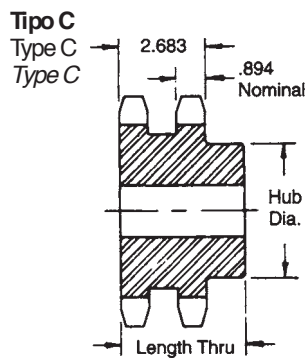
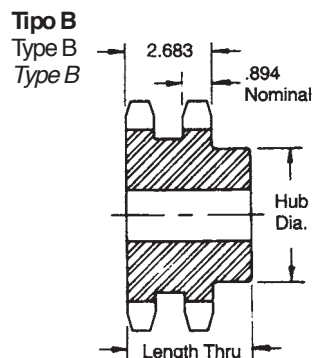
Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 120-2 paso 1 1/2" / No. 120-2 pas 1 1/2" / No. 120-2 1 1/2" Pitch



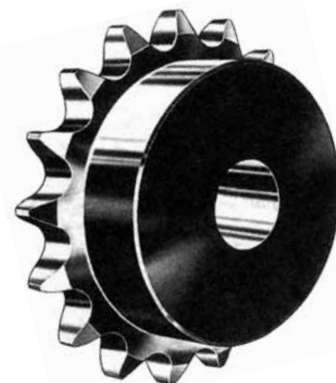
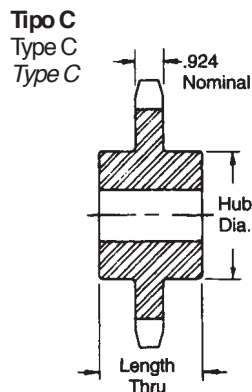
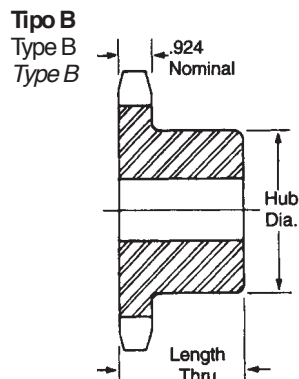
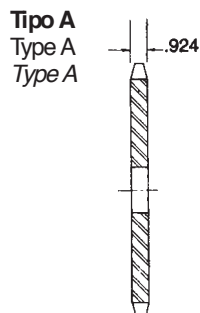
Doble, tipo B&C / Double - Type B&C / Double - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	120B2Z11	6.010	B	1½	2⅝	3⅞	3¾	13.6
12	120B2Z12	6.500	B	1½	2¾	4⅞	3¾	17.3
13	120B2Z13	6.990	B	1½	3	4½	3¾	21.1
14	120B2Z14	7.470	B	1½	3⅞	5	3¾	25.6
15	120B2Z15	7.960	B	1½	3½	5¼	3¾	29.9
16	120B2Z16	8.440	B	1½	3½	5¼	3¾	33.8
17	120B2Z17	8.920	B	1½	3½	5¼	3¾	36.9
18	120B2Z18	9.410	B	1½	3½	5¼	3¾	41.9
19	120B2Z19	9.890	B	1½	3½	5¼	3¾	46.5
20	120B2Z20	10.370	B	1½	3½	5½	3¾	50.2
21	120B2Z21	10.850	B	1½	3½	5½	3¾	55.6
22	120B2Z22	11.330	B	1½	3⅞	5¾	4	64.0
23	120B2Z23	11.810	B	1½	4½	6½	4	75.0
24	120B2Z24	12.290	B	1½	4½	6½	4	79.0
25	120B2Z25	12.770	B	1½	4½	6½	4	84.0
26	120B2Z26	13.250	B	1½	4½	6½	4	90.0
30	120B2Z30	15.170	B	1½	4½	6½	4	119
35	120C2Z35	17.570	C	1½	5⅞	7½	6	148
45	120C2Z45	22.350	C	1½	5⅞	7½	6	188
60	120C2Z60	29.520	C	1½	6⅞	9½	6¼	307

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) PIGNONS ET DISQUES NORME AMERICAINE (ASA) AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

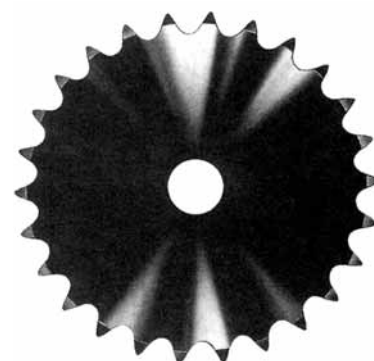
No. 140 paso 1 3/4" / No. 140 pas 1 3/4" / No. 140 1 3/4" Pitch



Simple, tipo B&C
 Simple - Type B&C
 Single - Type B&C

Simple, tipo A
 Simple - Type A
 Single - Type A

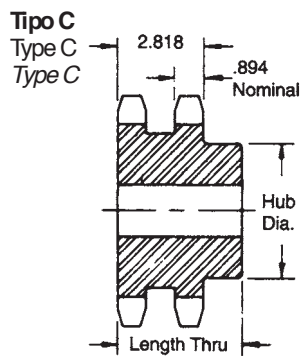
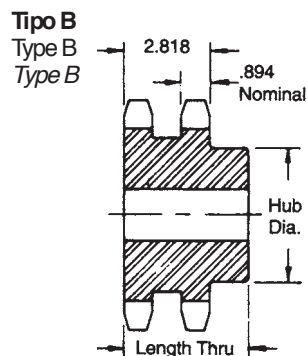
Nº de dientes N. de No. Teeth	Nº de catálogo Número de Catalog Number	Diám. exterior Diamètre ext. Outside Diameter	Tipo Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type	Nº de catálogo Número de Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
11	140B1Z11	7.010	B	1 1/2	2 3/4	4 1/4	2 1/4	11.3	A	140A1Z11	1 1/2	5.0
12	140B1Z12	7.580	B	1 1/2	3	4 1/2	2 1/4	13.2	A	140A1Z12	1 1/2	7.8
13	140B1Z13	8.150	B	1 1/2	3 3/4	5 1/2	2 3/8	18.9	A	140A1Z13	1 1/2	8.2
14	140B1Z14	8.720	B	1 1/2	3 3/4	5 1/2	2 3/8	20.4	A	140A1Z14	1 1/2	10.0
15	140B1Z15	9.280	B	1 1/2	4 1/4	6 1/4	2 3/8	25.1	A	140A1Z15	1 1/2	11.0
16	140B1Z16	9.850	B	1 1/2	4 1/4	6 1/4	2 1/2	27.9	A	140A1Z16	1 1/2	14.0
17	140B1Z17	10.410	B	1 1/2	4 1/4	6 1/4	2 1/2	29.8	A	140A1Z17	1 1/2	16.0
18	140B1Z18	10.980	B	1 1/2	4 1/4	6 1/4	2 1/2	32.0	A	140A1Z18	1 1/2	18.0
19	140B1Z19	11.540	B	1 1/2	4 1/4	6 1/4	2 1/2	34.1	A	140A1Z19	1 1/2	21.0
20	140B1Z20	12.100	B	1 1/2	4 1/4	6 1/4	2 1/2	36.0	A	140A1Z20	1 1/2	23.0
21	140B1Z21	12.660	B	1 1/2	4 1/4	6 1/4	2 1/2	38.7	A	140A1Z21	1 1/2	25.0
22	140B1Z22	13.220	B	1 1/2	4 1/4	6 1/4	2 1/2	40.6	A	140A1Z22	1 1/2	28.0
23	140B1Z23	13.780	B	1 1/2	4 1/4	6 1/4	2 1/2	42.1	A	140A1Z23	1 1/2	30.0
24	140B1Z24	14.340	B	1 1/2	4 1/4	6 1/4	2 1/2	46.2	A	140A1Z24	1 1/2	33.0
25	140B1Z25	14.900	B	1 1/2	4 1/4	6 1/4	2 1/2	47.8	A	140A1Z25	1 1/2	34.0
26	140B1Z26	15.460	B	1 1/2	4 1/4	6 1/4	3	57.2	A	140A1Z26	1 1/2	39.0
27	140B1Z27	16.020	B	1 1/2	4 1/4	6 1/4	3	58.5	A	140A1Z27	1 1/2	41.0
28	140B1Z28	16.580	B	1 1/2	4 1/4	6 1/4	3	62.2	A	140A1Z28	1 1/2	45.0
30	140B1Z30	17.700	B	1 1/2	4 1/4	6 1/4	3	69.8	A	140A1Z30	1 1/2	52.0
31		18.260								140A1Z31	1 1/2	56.0
32	140B1Z32	18.820	B	1 1/2	4 1/4	6 1/4	3	76.3	A	140A1Z32	1 1/2	60.0
35	140B1Z35	20.490	C	1 1/2	5 1/4	7	4	108	A	140A1Z35	1 1/2	73.0
36		21.050							A	140A1Z36	1 1/2	77.0
40	140C1Z40	23.290	C	1 1/2	5 1/4	7	4	121	A	140A1Z40	1 1/2	93.0
45	140C1Z45	26.080	C	1 1/2	5 1/4	7	4	142	A	140A1Z45	1 1/2	131
48	140C1Z48	27.750	C	1 1/2	5 1/4	7	4	150	A	140A1Z48	1 1/2	134
54	140C1Z54	31.100	C	1 1/2	5 1/4	7	4	177	A	140A1Z54	1 1/2	173
60	140C1Z60	34.440	C	1 1/2	5 1/4	7	5	220	A	140A1Z60	1 1/2	219
70	140C1Z70	40.020	C	1 1/2	5 3/8	7 1/2	5	282	A	140A1Z70	1 1/2	292
80	140C1Z80	45.590	C	1 1/2	5 3/8	7 1/2	5	331	A	140A1Z80	1 1/2	402



Material: C 45 Uni 7847 / Matériau: C 45 Uni 7847 / Material: C 45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) PIGNONS ET DISQUES NORME AMERICAINE (ASA) AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 140-2 paso 1 3/4" / No. 140-2 pas 1 3/4" / No. 140-2 1 3/4" Pitch



Doble, tipo B&C / Double - Type B&C / Double - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
13	140B2Z13	8.150	B	1 $\frac{1}{8}$	3 $\frac{3}{16}$	5	3 $\frac{3}{4}$	29
14	140B2Z14	8.720	B	1 $\frac{1}{8}$	3 $\frac{3}{4}$	5 $\frac{1}{2}$	3 $\frac{3}{4}$	34.8
15	140B2Z15	9.280	B	1 $\frac{1}{8}$	4 $\frac{1}{2}$	6 $\frac{1}{2}$	3 $\frac{3}{4}$	42.5
16	140B2Z16	9.850	B	1 $\frac{1}{8}$	5 $\frac{1}{4}$	7	4	48.1
17	140B2Z17	10.410	B	1 $\frac{1}{8}$	5 $\frac{1}{4}$	7	4	57.5
18	140B2Z18	10.980	B	1 $\frac{1}{4}$	5 $\frac{1}{4}$	7	4	65.6
19	140B2Z19	11.540	B	1 $\frac{1}{4}$	5 $\frac{1}{4}$	7	4	72.0
20	140B2Z20	12.100	B	1 $\frac{1}{4}$	5 $\frac{1}{4}$	7	4	76.0
21	140B2Z21	12.660	B	1 $\frac{1}{4}$	5 $\frac{1}{4}$	7	4	82.0
22	140B2Z22	13.220	B	1 $\frac{1}{4}$	5 $\frac{1}{4}$	7	4	94.0
23	140B2Z23	13.780	B	1 $\frac{1}{4}$	5 $\frac{1}{4}$	7	4	100
24	140B2Z24	14.340	B	1 $\frac{1}{4}$	5 $\frac{1}{4}$	7	4	104
25	140B2Z25	14.900	B	1 $\frac{1}{4}$	5 $\frac{1}{4}$	7	4	120
26	140B2Z26	15.460	B	1 $\frac{1}{4}$	5 $\frac{1}{4}$	7	4	128
35	140C2Z35	20.490	C	1 $\frac{1}{2}$	5 $\frac{3}{8}$	7 $\frac{1}{2}$	6	180
45	140C2Z45	26.080	C	1 $\frac{1}{2}$	5 $\frac{3}{8}$	7 $\frac{1}{2}$	6	232
60	140C2Z60	34.440	C	1 $\frac{1}{2}$	6 $\frac{3}{8}$	9 $\frac{1}{2}$	6 $\frac{1}{4}$	372

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) **PIGNONS ET DISQUES NORME AMERICAINE (ASA)** **AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)**

No. 160 paso 2" / No. 160 pas 2" / No. 160 2" Pitch

Simple, tipo B&C
Simple - Type B&C
Single - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. exterior Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type Type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en li- bras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
8	160B1Z8	6.030	B	1½	1⅞	3¼	2¼	8.0	A	160A1Z8	1½	5.0
9	160B1Z9	6.700	B	1½	2⅞	3⅝	2¼	10.0	A	160A1Z9	1½	7.0
10	160B1Z10	7.360	B	1½	2¾	4⅞	2¼	12.0	A	160A1Z10	1½	8.0
11	160B1Z11	8.010	B	1½	3¼	4¾	2½	17.0	A	160A1Z11	1½	10.0
12	160B1Z12	8.660	B	1½	3⅝	5½	2½	21.0	A	160A1Z12	1½	12.0
13	160B1Z13	9.310	B	1½	4	6	2¾	28.0	A	160A1Z13	1½	16.0
14	160B1Z14	9.960	B	1½	4½	6½	2¾	32.0	A	160A1Z14	1½	17.0
15	160B1Z15	10.610	B	1½	5¼	7	2¾	37.0	A	160A1Z15	1½	21.0
16	160B1Z16	11.260	B	1½	5¼	7	2¾	41.0	A	160A1Z16	1½	24.0
17	160B1Z17	11.900	B	1½	5¼	7	2¾	45.0	A	160A1Z17	1½	27.0
18	160B1Z18	12.540	B	1½	5¼	7	2¾	48.0	A	160A1Z18	1½	30.0
19	160B1Z19	13.190	B	1½	5¼	7	2¾	52.0	A	160A1Z19	1½	34.0
20	160B1Z20	13.830	B	1½	5¼	7	2¾	56.0	A	160A1Z20	1½	38.0
21	160B1Z21	14.470	B	1½	5¼	7	2¾	59.0	A	160A1Z21	1½	42.0
22	160B1Z22	15.110	B	1½	5¼	7	2¾	65.0	A	160A1Z22	1½	46.0
23	160B1Z23	15.750	B	1½	5¼	7	2¾	68.0	A	160A1Z23	1½	50.0
24	160B1Z24	16.390	B	1½	5¼	7	3	77.0	A	160A1Z24	1½	56.0
25	160B1Z25	17.030	B	1½	5¼	7	3	81.0	A	160A1Z25	1½	61.0
26	160B1Z26	17.670	B	1½	5¼	7	3	86.0	A	160A1Z26	1½	65.0
27	160B1Z27	18.310	B	1½	5¼	7	3	91.0	A	160A1Z27	1½	71.0
28	160B1Z28	18.950	B	1½	5¼	7	3	98.0	A	160A1Z28	1½	77.0
30	160B1Z30	20.230	B	1½	5¼	7	3	108	A	160A1Z30	1½	90.0
35	160C1Z35	23.420	C	1½	5½	8	4½	154	A	160A1Z35	1½	121
40	160C1Z40	26.610	C	1½	5½	8	4½	196	A	160A1Z40	1½	138
45	160C1Z45	29.800	C	1½	5½	8	5	234	A	160A1Z45	1½	204
54	160C1Z54	35.540	C	1½	5½	8	5	276	A	160A1Z54	1½	294
60	160C1Z60	39.360	C	1½	5½	8	5	329	A	160A1Z60	1½	366
70	160C1Z70	45.730	C	1½	5½	8	5	446	A	160A1Z70	1½	507
80	160C1Z80	52.100	C	1½	5½	8	6	612	A	160A1Z80	1½	656

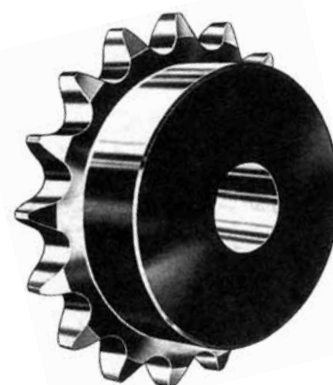
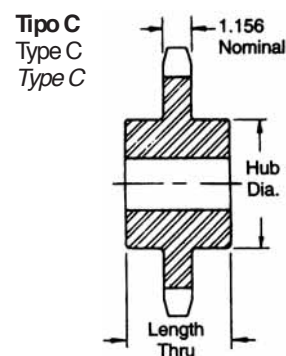
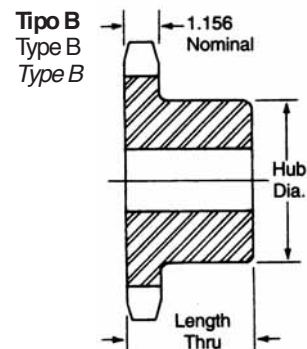
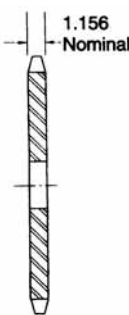
Simple, tipo B&C
Simple - Type B&C
Single - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. exterior Diamètre ext. Outside Diameter	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
			Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	160C1Z11	8.010	1½"	3¼"	4½"	4⅞"	21
12	160C1Z12	8.660	1½"	3¾"	5½"	4⅞"	26

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

Simple, tipo A
Simple - Type A
Single - Type A

Tipo A
Type A
Type A



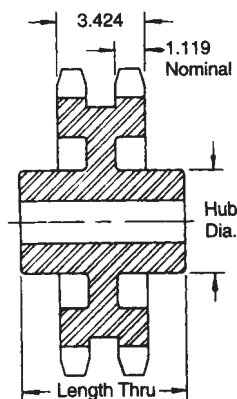
PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

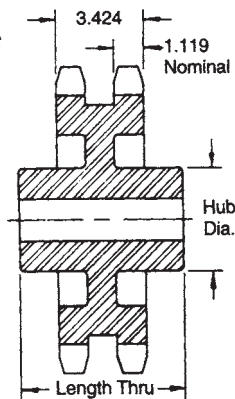
AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 160-2 paso 2" / No. 160-2 pas 2" / No. 160-2 2" Pitch

Tipo B
Type B
Type B



Tipo C
Type C
Type C



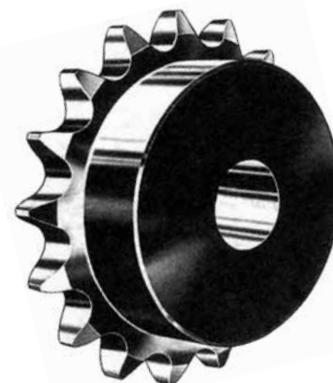
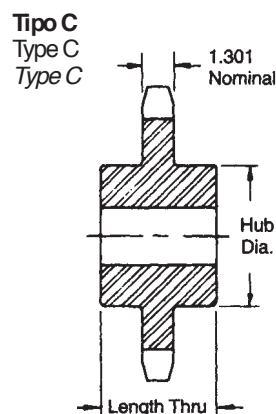
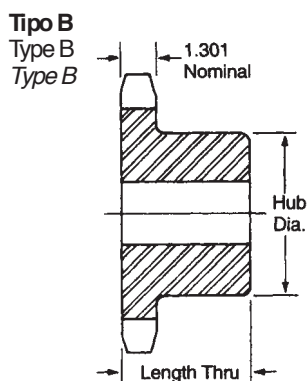
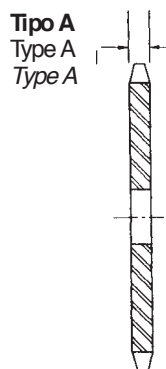
Doble, tipo B&C / Double - Type B&C / Double - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
13	160B2Z13	9.310	B	2	4	6	4 3/4	48
14	160B2Z14	9.960	B	2	4 3/4	6 3/4	4 3/4	58
15	160B2Z15	10.610	B	2	5 1/4	7	4 3/4	68
16	160B2Z16	11.260	B	2	5 1/4	7	4 3/4	75
17	160B2Z17	11.900	B	2	5 1/4	7	4 3/4	91
18	160B2Z18	12.540	B	2	5 1/4	7	4 3/4	96
19	160B2Z19	13.190	B	2	5 1/4	7	4 3/4	107
20	160B2Z20	13.830	B	2	5 1/4	7	4 3/4	119
21	160B2Z21	14.470	B	2	5 3/8	7 1/2	4 3/4	130
22	160B2Z22	15.110	B	2	5 3/8	7 1/2	4 3/4	141
23	160B2Z23	15.750	B	2	5 3/8	7 1/2	4 3/4	157
24	160B2Z24	16.390	B	2	5 3/8	7 1/2	4 3/4	171
25	160B2Z25	17.030	B	2	5 3/8	7 1/2	4 3/4	187
26	160B2Z26	17.670	B	2	5 3/8	7 1/2	4 3/4	201
35	160C2Z35	23.420	C	1 1/2	6 1/4	9 1/2	6 3/8	306
45	160C2Z45	29.800	C	1 1/2	7	10	7 1/8	431
60	160C2Z60	39.360	C	1 1/2	7	10	7 1/8	564

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) **PIGNONS ET DISQUES NORME AMERICAINE (ASA)** **AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)**

No. 180 paso 2 1/4" / No. 180 pas 2 1/4" / No. 180 2 1/4" Pitch



Simple, tipo B&C
Simple - Type B&C
Single - Type B&C

Simple, plato del tipo A
Simple, plateau de type A
Single - Type A- Plate

Nº de dientes N. de dents No. Teeth	Nº de catálogo Numéro de catalogue Catalog Number	Diám. exterior Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type Type	Nº de catálogo Numéro de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
11	180B1Z11	9.010	B	1 1/2	3 3/8	5 1/2	3	29	A	180A1Z11	1 1/2	14
12	180B1Z12	9.750	B	1 1/2	4	6	3	32	A	180A1Z12	1 1/2	16
13	180B1Z13	10.480	B	1 1/2	4 3/8	6 3/4	3 1/8	40	A	180A1Z13	1 1/2	20
14	180B1Z14	11.210	B	1 1/2	5 1/4	7	3 3/8	44	A	180A1Z14	1 1/2	24
15	180B1Z15	11.930	B	1 1/2	5 1/4	7	3 3/8	48	A	180A1Z15	1 1/2	28
16	180B1Z16	12.660	B	1 1/2	5 1/4	7	3 3/8	52	A	180A1Z16	1 1/2	32
17	180B1Z17	13.390	B	1 1/2	5 1/4	7	3 3/8	58	A	180A1Z17	1 1/2	37
18	180B1Z18	14.110	B	1 1/2	5 1/4	7	3 3/8	63	A	180A1Z18	1 1/2	43
19	180B1Z19	14.830	B	1 1/2	5 3/8	7 1/2	3 3/8	74	A	180A1Z19	1 1/2	47
20	180B1Z20	15.560	B	1 1/2	5 3/8	7 1/2	3 3/8	81	A	180A1Z20	1 1/2	53
21	180B1Z21	16.280	B	1 1/2	5 3/8	7 1/2	3 3/8	83	A	180A1Z21	1 1/2	57
22	180B1Z22	17.000	B	1 1/2	5 3/8	7 1/2	3 3/8	92	A	180A1Z22	1 1/2	62
23	180B1Z23	17.720	B	1 1/2	5 3/8	7 1/2	3 3/8	99	A	180A1Z23	1 1/2	69
24	180B1Z24	18.440	B	1 1/2	5 3/8	7 1/2	3 3/8	105	A	180A1Z24	1 1/2	77
25	180B1Z25	19.160	B	1 1/2	5 3/8	7 1/2	3 3/8	113	A	180A1Z25	1 1/2	84
28	180B1Z28	21.320	B	1 1/2	5 1/2	8	3 1/2	135	A	180A1Z28	1 1/2	104
30	180C1Z30	22.760	C	1 1/2	5 3/4	8 1/2	4 3/8	180	A	180A1Z30	1 1/2	120
35	180C1Z35	26.350	C	1 1/2	5 3/4	8 1/2	4 3/8	222	A	180A1Z35	1 1/2	172
40	180C1Z40	29.940	C	1 1/2	5 3/4	8 1/2	4 3/8	270	A	180A1Z40	1 1/2	229
45	180C1Z45	33.530	C	1 1/2	6	9	5	315	A	180A1Z45	1 1/2	284
54	180C1Z54	39.980	C	1 1/2	6	9	5	477	A	180A1Z54	1 1/2	420
60	180C1Z60	44.280	C	1 1/2	6 1/2	9 1/2	5 3/8	489	A	180A1Z60	1 1/2	505

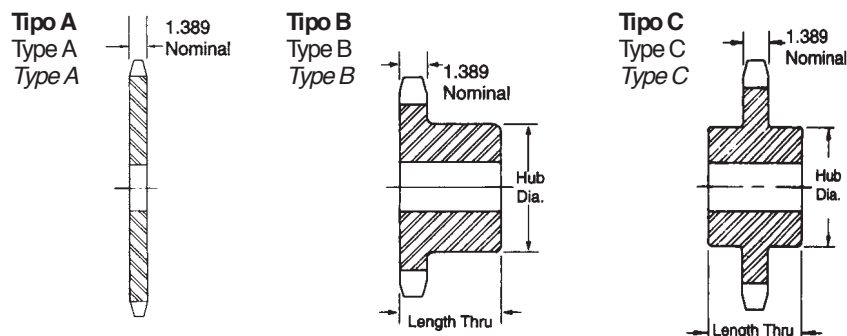
Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 200 paso 2 1/2" / No. 200 pas 2 1/2" / No. 200 2 1/2" Pitch



Simple, tipo B&C
Simple - Type B&C
Single - Type B&C

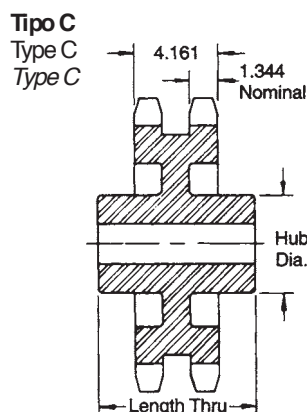
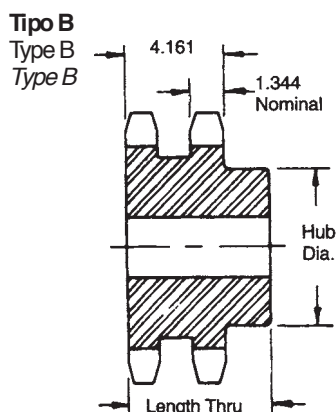
Simple, plato del tipo A
Simple, plateau de type A
Single - Type A- Plate

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. exterior Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type Type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
10	200B1Z10	9.200	B	1 1/2	3/4	5 1/2	3	26	A	200A1Z10	1 1/2	16
11	200B1Z11	10.020	B	1 1/2	4	6	3	33	A	200A1Z11	1 1/2	20
12	200B1Z12	10.830	B	1 1/2	4 1/2	6 1/2	3	37	A	200A1Z12	1 1/2	24
13	200B1Z13	11.640	B	1 1/2	5 1/4	7	3	46	A	200A1Z13	1 1/2	30
14	200B1Z14	12.460	B	1 1/2	5 3/8	7 1/2	3 1/2	59	A	200A1Z14	1 1/2	32
15	200B1Z15	13.260	B	1 1/2	5 3/8	7 1/2	3 1/2	64	A	200A1Z15	1 1/2	40
16	200B1Z16	14.070	B	1 1/2	5 3/8	7 1/2	3 1/2	72	A	200A1Z16	1 1/2	46
17	200B1Z17	14.870	B	1 1/2	5 3/8	7 1/2	3 1/2	76	A	200A1Z17	1 1/2	51
18	200B1Z18	15.680	B	1 1/2	5 3/8	7 1/2	3 1/2	84	A	200A1Z18	1 1/2	57
19	200B1Z19	16.480	B	1 1/2	5 3/8	7 1/2	3 1/2	91	A	200A1Z19	1 1/2	65
20	200B1Z20	17.290	B	1 1/2	5 3/8	7 1/2	3 1/2	98	A	200A1Z20	1 1/2	72
21	200B1Z21	18.090	B	1 1/2	5 3/8	7 1/2	3 1/2	106	A	200A1Z21	1 1/2	82
22	200B1Z22	18.890	B	1 1/2	5 3/4	8 1/2	4	131	A	200A1Z22	1 1/2	88
23	200B1Z23	19.690	B	1 1/2	5 3/4	8 1/2	4	136	A	200A1Z23	1 1/2	95
24	200B1Z24	20.490	B	1 1/2	5 3/4	8 1/2	4	142	A	200A1Z24	1 1/2	105
25	200B1Z25	21.290	B	1 1/2	5 3/4	8 1/2	4	153	A	200A1Z25	1 1/2	113
26	200C1Z26	22.090	C	1 1/2	5 3/4	8 1/2	4 1/2	178	A	200A1Z26	1 1/2	124
28	200C1Z28	23.690	C	1 1/2	5 3/4	8 1/2	4 1/2	195	A	200A1Z28	1 1/2	144
30	200C1Z30	25.290	C	1 1/2	5 3/4	8 1/2	4 1/2	212	A	200A1Z30	1 1/2	167
32	200C1Z32	26.880	C	1 1/2	5 3/4	8 1/2	4 1/2	220	A	200A1Z32	1 1/2	195
35	200C1Z35	29.280	C	1 1/2	5 3/4	8 1/2	4 1/2	254	A	200A1Z35	1 1/2	227
40	200C1Z40	33.270	C	1 1/2	6	9	5	320	A	200A1Z40	1 1/2	301
45	200C1Z45	37.250	C	1 1/2	6	9	5	364	A	200A1Z45	1 1/2	390
54	200C1Z54	44.420	C	1 1/2	6 1/2	9 1/2	5 1/2	512	A	200A1Z54	1 1/2	555
60	200C1Z60	49.200	C	1 1/2	6 1/2	9 1/2	5 1/2	654	A	200A1Z60	1 1/2	692

Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA) **PIGNONS ET DISQUES NORME AMERICAINE (ASA)** **AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)**

No. 200-2 paso 2 1/2" / No. 200-2 pas 2 1/2" / No. 200-2 2 1/2" Pitch



Doble, tipo B&C / Double - Type B&C / Double - Type B&C

Nº de dientes N. de dents No. Teeth	Nº de catálogo Numéro de catalogue Catalog Number	Diám. ext. Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru	
11	200B2Z11	10.020	B	2	3 3/4	5 1/2	5 5/8	57
12	200B2Z12	10.830	B	2	4 1/2	6 1/2	6 1/4	80
13	200B2Z13	11.640	B	2	5 1/4	7	6 3/8	96
14	200B2Z14	12.460	B	2	5 1/2	8	6 3/8	119
15	200B2Z15	13.260	B	2	5 3/4	8 1/2	6 3/8	138
16	200B2Z16	14.070	B	2	5 3/4	8 1/2	6 3/8	161
17	200B2Z17	14.870	B	2	5 3/4	8 1/2	6 3/8	178
18	200B2Z18	15.680	B	2	5 3/4	8 1/2	6 3/8	196
19	200B2Z19	16.480	B	2	5 3/4	8 1/2	6 3/8	217
20	200B2Z20	17.290	B	2	5 3/4	8 1/2	6 3/8	236
21	200B2Z21	18.090	B	2	5 3/4	8 1/2	6 3/8	250
22	200B2Z22	18.890	B	2	5 3/4	8 1/2	6 3/8	284
23	200B2Z23	19.690	B	2	5 3/4	8 1/2	6 3/8	308
24	200B2Z24	20.490	B	2	5 3/4	8 1/2	6 3/8	330
25	200B2Z25	21.290	B	2	5 3/4	8 1/2	6 3/8	358
26	200B2Z26	22.090	B	2	5 3/4	8 1/2	6 3/8	386
45	200C2Z45	37.250	C	1 1/2	7	10	8 1/2	665
60	200C2Z60	49.200	C	1 1/2	7	10	9	972

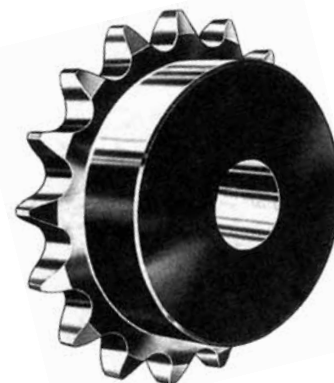
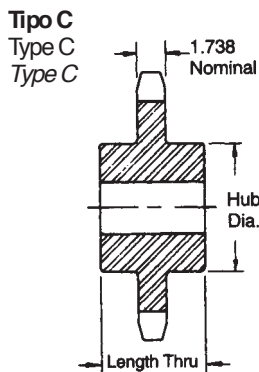
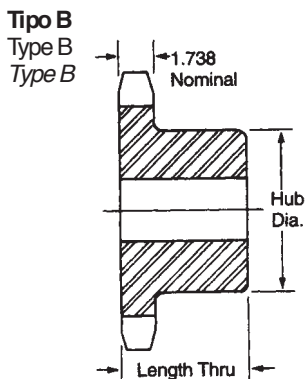
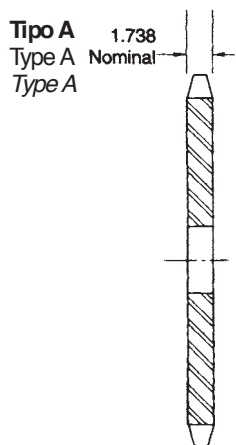
Material: C45 Uni 7847 / Matériau: C45 Uni 7847 / Material: C45 Uni 7847

PIÑONES Y DISCOS NORMA AMERICANA (ASA)

PIGNONS ET DISQUES NORME AMERICAINE (ASA)

AMERICAN STANDARD SPROCKETS AND PLATE WHEELS (ASA)

No. 240 paso 3" / No. 240 pas 3" / No. 240 3" Pitch



Simple, tipo B&C
Simple - Type B&C
Single - Type B&C

Simple, plato del tipo A
Simple, plateau de type A
Single - Type A- Plate

Nº de dientes N. de dents No. Teeth	Nº de catálogo Número de catalogue Catalog Number	Diám. exterior Diamètre ext. Outside Diameter	Tipo Type Type	Agujeros (pulgadas) Alésés (pouces) Bore (inches)		Buje (pulgadas) Moyeu (pouces) Hub (inches)		Peso en libras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)	Tipo Type Type	Nº de catálogo Número de catalogue Catalog Number	Diám. int. estándar Diam. int. standard Stock Bore	Peso en li- bras (aprox) Poids en livres (environ) Weight Lbs. (Approx.)
				Estándar Standard Stock	Diám. int. máx. Diam. int. max. Rec. Max	Diámetro Diamètre Diameter	Longitud int. Longueur int. Length Thru					
10	240B1Z10	11.030	B	1½	4½	6½	3⅝	49	A	240A1Z10	1½	30
11	240B1Z11	12.020	B	1½	4¾	7	3⅞	66	A	240A1Z11	1½	37
12	240B1Z12	13.000	B	1½	5⅝	7½	3⅞	72	A	240A1Z12	1½	45
13	240B1Z13	13.970	B	1½	5⅝	7½	3⅞	81	A	240A1Z13	1½	54
14	240B1Z14	14.940	B	1½	5⅝	7½	3⅞	88	A	240A1Z14	1½	62
15	240B1Z15	15.910	B	1½	5⅝	7½	3⅞	98	A	240A1Z15	1½	68
16	240B1Z16	16.880	B	1½	5½	8	4⅞	120	A	240A1Z16	1½	82
17	240B1Z17	17.850	B	1½	5½	8	4⅞	137	A	240A1Z17	1½	93
18	240B1Z18	18.810	B	1½	5½	8	4⅞	142	A	240A1Z18	1½	108
19	240B1Z19	19.780	B	1½	5½	8	4⅞	154	A	240A1Z19	1½	120
20	240B1Z20	20.740	B	1½	5½	8	4⅞	169	A	240A1Z20	1½	128
21	240B1Z21	21.710	B	1½	5½	8	4⅞	186	A	240A1Z21	1½	148
25	240B1Z25	25.550	B	1½	5½	8	4⅞	254	A	240A1Z25	1½	208
30	240C1Z30	30.340	C	1½	6	9	6¼	398	A	240A1Z30	1½	310
35	240C1Z35	35.130	C	1½	6	9	6¼	527	A	240A1Z35	1½	416
40	240C1Z40	39.920	C	1½	7	10	6¾	672	A	240A1Z40	1½	548
45	240C1Z45	44.700	C	1½	7	10	6¾	850	A	240A1Z45	1½	702
54	240C1Z54	53.310	C	1½	7	10	6¾	1148	A	240A1Z54	1½	1022
60	240C1Z60	59.040	C	1½	7	10	6¾	1419	A	240A1Z60	1½	1268

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