

Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
7/8	1/2	22,22	12,70	1,565
7/8	5/8	22,22	15,87	1,280
1	1/2	25,40	12,70	2,136
1	5/8	25,40	15,87	1,851
1	3/4	25,40	19,05	1,494
1 1/8	1/2	28,57	12,70	2,776
1 1/8	5/8	28,57	15,87	2,491
1 1/8	3/4	28,57	19,05	2,134
1 1/8	7/8	28,57	22,22	1,707
1 1/4	1/2	31,75	12,70	3,489
1 1/4	5/8	31,75	15,87	3,204
1 1/4	3/4	31,75	19,05	2,848
1 1/4	7/8	31,75	22,22	2,421
1 1/4	1	31,75	25,40	1,921
1 3/8	1/2	34,92	12,70	4,272
1 3/8	5/8	34,92	15,87	3,987
1 3/8	3/4	34,92	19,05	3,630
1 3/8	7/8	34,92	22,22	3,203
1 3/8	1	34,92	25,40	2,703
1 3/8	1 1/8	34,92	28,57	2,134
1 1/2	1/2	38,10	12,70	5,128
1 1/2	5/8	38,10	15,87	4,843
1 1/2	3/4	38,10	19,05	4,486
1 1/2	7/8	38,10	22,22	4,059
1 1/2	1	38,10	25,40	3,559
1 1/2	1 1/8	38,10	28,57	2,990



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
1 1/2	1 1/4	38,10	31,75	2,348
1 5/8	1/2	41,27	12,70	6,052
1 5/8	5/8	41,27	15,87	5,768
1 5/8	3/4	41,27	19,05	5,411
1 5/8	7/8	41,27	22,22	4,984
1 5/8	1	41,27	25,40	4,484
1 5/8	1 1/8	41,27	28,57	3,915
1 5/8	1 1/4	41,27	31,75	3,272
1 5/8	1 3/8	41,27	34,92	2,561
1 3/4	1/2	44,45	12,70	7,051
1 3/4	5/8	44,45	15,87	6,767
1 3/4	3/4	44,45	19,05	6,410
1 3/4	7/8	44,45	22,22	5,983
1 3/4	1	44,45	25,40	5,483
1 3/4	1 1/8	44,45	28,57	4,914
1 3/4	1 1/4	44,45	31,75	4,271
1 3/4	1 3/8	44,45	34,92	3,560
1 3/4	1 1/2	44,45	38,10	2,775
1 7/8	1/2	47,62	12,70	8,118
1 7/8	5/8	47,62	15,87	7,834
1 7/8	3/4	47,62	19,05	7,477
1 7/8	7/8	47,62	22,22	7,050
1 7/8	1	47,62	25,40	6,550
1 7/8	1 1/8	47,62	28,57	5,981
1 7/8	1 1/4	47,62	31,75	5,338
1 7/8	1 3/8	47,62	34,92	4,627



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
1 7/8	1 1/2	47,62	38,10	3,842
1 7/8	1 5/8	47,62	41,27	2,988
2	1/2	50,80	12,70	9,260
2	5/8	50,80	15,87	8,975
2	3/4	50,80	19,05	8,618
2	7/8	50,80	22,22	8,191
2	1	50,80	25,40	7,692
2	1 1/8	50,80	28,57	7,122
2	1 1/4	50,80	31,75	6,480
2	1 3/8	50,80	34,92	5,768
2	1 1/2	50,80	38,10	4,983
2	1 5/8	50,80	41,27	4,129
2	1 3/4	50,80	44,45	3,201
2 1/8	1/2	53,97	12,70	10,469
2 1/8	5/8	53,97	15,87	10,184
2 1/8	3/4	53,97	19,05	9,827
2 1/8	7/8	53,97	22,22	9,401
2 1/8	1	53,97	25,40	8,901
2 1/8	1 1/8	53,97	28,57	8,332
2 1/8	1 1/4	53,97	31,75	7,689
2 1/8	1 3/8	53,97	34,92	6,978
2 1/8	1 1/2	53,97	38,10	6,192
2 1/8	1 5/8	53,97	41,27	5,339
2 1/8	1 3/4	53,97	44,45	4,411
2 1/4	1/2	57,15	12,70	11,754
2 1/4	5/8	57,15	15,87	11,469



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
2 1/4	3/4	57,15	19,05	11,112
2 1/4	7/8	57,15	22,22	10,685
2 1/4	1	57,15	25,40	10,185
2 1/4	1 1/8	57,15	28,57	9,616
2 1/4	1 1/4	57,15	31,75	8,974
2 1/4	1 3/8	57,15	34,92	8,262
2 1/4	1 1/2	57,15	38,10	7,477
2 1/4	1 5/8	57,15	41,27	6,623
2 1/4	1 3/4	57,15	44,45	5,695
2 1/4	1 7/8	57,15	47,62	4,699
2 3/8	1/2	60,32	12,70	13,105
2 3/8	5/8	60,32	15,87	12,820
2 3/8	3/4	60,32	19,05	12,463
2 3/8	7/8	60,32	22,22	12,036
2 3/8	1	60,32	25,40	11,537
2 3/8	1 1/8	60,32	28,57	10,967
2 3/8	1 1/4	60,32	31,75	10,325
2 3/8	1 3/8	60,32	34,92	9,613
2 3/8	1 1/2	60,32	38,10	8,828
2 3/8	1 5/8	60,32	41,27	7,974
2 3/8	1 3/4	60,32	44,45	7,047
2 3/8	1 7/8	60,32	47,62	6,050
2 3/8	2	60,32	50,80	4,980
2 1/2	1/2	63,50	12,70	14,532
2 1/2	5/8	63,50	15,87	14,247
2 1/2	3/4	63,50	19,05	13,891

Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
2 1/2	7/8	63,50	22,22	13,464
2 1/2	1	63,50	25,40	12,964
2 1/2	1 1/8	63,50	28,57	12,395
2 1/2	1 1/4	63,50	31,75	11,752
2 1/2	1 3/8	63,50	34,92	11,041
2 1/2	1 1/2	63,50	38,10	10,255
2 1/2	1 5/8	63,50	41,27	9,402
2 1/2	1 3/4	63,50	44,45	8,474
2 1/2	1 7/8	63,50	47,62	7,478
2 1/2	2	63,50	50,80	6,407
2 1/2	2 1/8	63,50	53,97	5,269
2 5/8	1/2	66,67	12,70	16,026
2 5/8	5/8	66,67	15,87	15,741
2 5/8	3/4	66,67	19,05	15,384
2 5/8	7/8	66,67	22,22	14,957
2 5/8	1	66,67	25,40	14,458
2 5/8	1 1/8	66,67	28,57	13,888
2 5/8	1 1/4	66,67	31,75	13,246
2 5/8	1 3/8	66,67	34,92	12,534
2 5/8	1 1/2	66,67	38,10	11,749
2 5/8	1 5/8	66,67	41,27	10,895
2 5/8	1 3/4	66,67	44,45	9,968
2 5/8	1 7/8	66,67	47,62	8,971
2 5/8	2	66,67	50,80	7,901
2 5/8	2 1/8	66,67	53,97	6,762
2 5/8	2 1/4	66,67	57,15	5,549



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
2 3/4	1/2	69,85	12,70	17,596
2 3/4	5/8	69,85	15,87	17,311
2 3/4	3/4	69,85	19,05	16,954
2 3/4	7/8	69,85	22,22	16,527
2 3/4	1	69,85	25,40	16,028
2 3/4	1 1/8	69,85	28,57	15,458
2 3/4	1 1/4	69,85	31,75	14,816
2 3/4	1 3/8	69,85	34,92	14,104
2 3/4	1 1/2	69,85	38,10	13,319
2 3/4	1 5/8	69,85	41,27	12,465
2 3/4	1 3/4	69,85	44,45	11,537
2 3/4	1 7/8	69,85	47,62	10,541
2 3/4	2	69,85	50,80	9,471
2 3/4	2 1/8	69,85	53,97	8,332
2 3/4	2 1/4	69,85	57,15	7,119
2 3/4	2 3/8	69,85	60,32	5,838
2 7/8	1/2	73,02	12,70	19,232
2 7/8	5/8	73,02	15,87	18,947
2 7/8	3/4	73,02	19,05	18,590
2 7/8	7/8	73,02	22,22	18,163
2 7/8	1	73,02	25,40	17,664
2 7/8	1 1/8	73,02	28,57	17,094
2 7/8	1 1/4	73,02	31,75	16,452
2 7/8	1 3/8	73,02	34,92	15,740
2 7/8	1 1/2	73,02	38,10	14,955
2 7/8	1 5/8	73,02	41,27	14,101



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
2 7/8	1 3/4	73,02	44,45	13,173
2 7/8	1 7/8	73,02	47,62	12,177
2 7/8	2	73,02	50,80	11,107
2 7/8	2 1/8	73,02	53,97	9,968
2 7/8	2 1/4	73,02	57,15	8,755
2 7/8	2 3/8	73,02	60,32	7,474
2 7/8	2 1/2	73,02	63,50	6,118
3	1/2	76,20	12,70	20,945
3	5/8	76,20	15,87	20,660
3	3/4	76,20	19,05	20,303
3	7/8	76,20	22,22	19,876
3	1	76,20	25,40	19,376
3	1 1/8	76,20	28,57	18,807
3	1 1/4	76,20	31,75	18,165
3	1 3/8	76,20	34,92	17,453
3	1 1/2	76,20	38,10	16,668
3	1 5/8	76,20	41,27	15,814
3	1 3/4	76,20	44,45	14,886
3	1 7/8	76,20	47,62	13,890
3	2	76,20	50,80	12,819
3	2 1/8	76,20	53,97	11,681
3	2 1/4	76,20	57,15	10,468
3	2 3/8	76,20	60,32	9,187
3	2 1/2	76,20	63,50	7,831
3	2 5/8	76,20	66,67	6,408
3 1/8	1/2	79,37	12,70	22,723



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
3 1/8	5/8	79,37	15,87	22,438
3 1/8	3/4	79,37	19,05	22,081
3 1/8	7/8	79,37	22,22	21,654
3 1/8	1	79,37	25,40	21,155
3 1/8	1 1/8	79,37	28,57	20,585
3 1/8	1 1/4	79,37	31,75	19,943
3 1/8	1 3/8	79,37	34,92	19,231
3 1/8	1 1/2	79,37	38,10	18,446
3 1/8	1 5/8	79,37	41,27	17,592
3 1/8	1 3/4	79,37	44,45	16,664
3 1/8	1 7/8	79,37	47,62	15,668
3 1/8	2	79,37	50,80	14,598
3 1/8	2 1/8	79,37	53,97	13,459
3 1/8	2 1/4	79,37	57,15	12,246
3 1/8	2 3/8	79,37	60,32	10,965
3 1/8	2 1/2	79,37	63,50	9,609
3 1/8	2 5/8	79,37	66,67	8,186
3 1/4	1/2	82,55	12,70	24,578
3 1/4	5/8	82,55	15,87	24,294
3 1/4	3/4	82,55	19,05	23,937
3 1/4	7/8	82,55	22,22	23,510
3 1/4	1	82,55	25,40	23,010
3 1/4	1 1/8	82,55	28,57	22,441
3 1/4	1 1/4	82,55	31,75	21,798
3 1/4	1 3/8	82,55	34,92	21,087
3 1/4	1 1/2	82,55	38,10	20,302



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
3 1/4	1 5/8	82,55	41,27	19,448
3 1/4	1 3/4	82,55	44,45	18,520
3 1/4	1 7/8	82,55	47,62	17,524
3 1/4	2	82,55	50,80	16,453
3 1/4	2 1/8	82,55	53,97	15,315
3 1/4	2 1/4	82,55	57,15	14,101
3 1/4	2 3/8	82,55	60,32	12,821
3 1/4	2 1/2	82,55	63,50	11,464
3 1/4	2 5/8	82,55	66,67	10,041
3 1/4	2 3/4	82,55	69,85	8,543
3 3/8	1/2	85,72	12,70	26,499
3 3/8	5/8	85,72	15,87	26,214
3 3/8	3/4	85,72	19,05	25,857
3 3/8	7/8	85,72	22,22	25,430
3 3/8	1	85,72	25,40	24,931
3 3/8	1 1/8	85,72	28,57	24,361
3 3/8	1 1/4	85,72	31,75	23,719
3 3/8	1 3/8	85,72	34,92	23,007
3 3/8	1 1/2	85,72	38,10	22,222
3 3/8	1 5/8	85,72	41,27	21,368
3 3/8	1 3/4	85,72	44,45	20,440
3 3/8	1 7/8	85,72	47,62	19,444
3 3/8	2	85,72	50,80	18,374
3 3/8	2 1/8	85,72	53,97	17,235
3 3/8	2 1/4	85,72	57,15	16,022
3 3/8	2 3/8	85,72	60,32	14,741



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
3 3/8	2 1/2	85,72	63,50	13,385
3 3/8	2 5/8	85,72	66,67	11,962
3 3/8	2 3/4	85,72	69,85	10,463
3 3/8	2 7/8	85,72	73,02	8,898
3 1/2	1/2	88,90	12,70	28,497
3 1/2	5/8	88,90	15,87	28,212
3 1/2	3/4	88,90	19,05	27,855
3 1/2	7/8	88,90	22,22	27,428
3 1/2	1	88,90	25,40	26,929
3 1/2	1 1/8	88,90	28,57	26,359
3 1/2	1 1/4	88,90	31,75	25,717
3 1/2	1 3/8	88,90	34,92	25,005
3 1/2	1 1/2	88,90	38,10	24,220
3 1/2	1 5/8	88,90	41,27	23,366
3 1/2	1 3/4	88,90	44,45	22,439
3 1/2	1 7/8	88,90	47,62	21,442
3 1/2	2	88,90	50,80	20,372
3 1/2	2 1/8	88,90	53,97	19,233
3 1/2	2 1/4	88,90	57,15	18,020
3 1/2	2 3/8	88,90	60,32	16,739
3 1/2	2 1/2	88,90	63,50	15,383
3 1/2	2 5/8	88,90	66,67	13,960
3 1/2	2 3/4	88,90	69,85	12,461
3 1/2	2 7/8	88,90	73,02	10,896
3 1/2	3	88,90	76,20	9,255
3 5/8	1/2	92,07	12,70	30,560



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
3 5/8	5/8	92,07	15,87	30,275
3 5/8	3/4	92,07	19,05	29,918
3 5/8	7/8	92,07	22,22	29,491
3 5/8	1	92,07	25,40	28,992
3 5/8	1 1/8	92,07	28,57	28,422
3 5/8	1 1/4	92,07	31,75	27,780
3 5/8	1 3/8	92,07	34,92	27,068
3 5/8	1 1/2	92,07	38,10	26,283
3 5/8	1 5/8	92,07	41,27	25,429
3 5/8	1 3/4	92,07	44,45	24,501
3 5/8	1 7/8	92,07	47,62	23,505
3 5/8	2	92,07	50,80	22,435
3 5/8	2 1/8	92,07	53,97	21,296
3 5/8	2 1/4	92,07	57,15	20,083
3 5/8	2 3/8	92,07	60,32	18,802
3 5/8	2 1/2	92,07	63,50	17,446
3 5/8	2 5/8	92,07	66,67	16,023
3 5/8	2 3/4	92,07	69,85	14,524
3 5/8	2 7/8	92,07	73,02	12,959
3 5/8	3	92,07	76,20	11,317
3 5/8	3 1/8	92,07	79,37	9,610
3 3/4	1/2	95,25	12,70	32,701
3 3/4	5/8	95,25	15,87	32,416
3 3/4	3/4	95,25	19,05	32,059
3 3/4	7/8	95,25	22,22	31,632
3 3/4	1	95,25	25,40	31,132



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
3 3/4	1 1/8	95,25	28,57	30,563
3 3/4	1 1/4	95,25	31,75	29,921
3 3/4	1 3/8	95,25	34,92	29,209
3 3/4	1 1/2	95,25	38,10	28,424
3 3/4	1 5/8	95,25	41,27	27,570
3 3/4	1 3/4	95,25	44,45	26,642
3 3/4	1 7/8	95,25	47,62	25,646
3 3/4	2	95,25	50,80	24,576
3 3/4	2 1/8	95,25	53,97	23,437
3 3/4	2 1/4	95,25	57,15	22,224
3 3/4	2 3/8	95,25	60,32	20,943
3 3/4	2 1/2	95,25	63,50	19,587
3 3/4	2 5/8	95,25	66,67	18,164
3 3/4	2 3/4	95,25	69,85	16,665
3 3/4	2 7/8	95,25	73,02	15,100
3 3/4	3	95,25	76,20	13,458
3 3/4	3 1/8	95,25	79,37	11,751
3 3/4	3 1/4	95,25	82,55	9,966
3 7/8	1/2	98,42	12,70	34,906
3 7/8	5/8	98,42	15,87	34,621
3 7/8	3/4	98,42	19,05	34,264
3 7/8	7/8	98,42	22,22	33,837
3 7/8	1	98,42	25,40	33,338
3 7/8	1 1/8	98,42	28,57	32,768
3 7/8	1 1/4	98,42	31,75	32,126
3 7/8	1 3/8	98,42	34,92	31,414



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
3 7/8	1 1/2	98,42	38,10	30,629
3 7/8	1 5/8	98,42	41,27	29,775
3 7/8	1 3/4	98,42	44,45	28,848
3 7/8	1 7/8	98,42	47,62	27,851
3 7/8	2	98,42	50,80	26,781
3 7/8	2 1/8	98,42	53,97	25,642
3 7/8	2 1/4	98,42	57,15	24,429
3 7/8	2 3/8	98,42	60,32	23,148
3 7/8	2 1/2	98,42	63,50	21,792
3 7/8	2 5/8	98,42	66,67	20,369
3 7/8	2 3/4	98,42	69,85	18,870
3 7/8	2 7/8	98,42	73,02	17,305
3 7/8	3	98,42	76,20	15,664
3 7/8	3 1/8	98,42	79,37	13,956
3 7/8	3 1/4	98,42	82,55	12,172
3 7/8	3 3/8	98,42	85,72	10,322
4	1/2	101,60	12,70	37,190
4	5/8	101,60	15,87	36,905
4	3/4	101,60	19,05	36,548
4	7/8	101,60	22,22	36,121
4	1	101,60	25,40	35,621
4	1 1/8	101,60	28,57	35,052
4	1 1/4	101,60	31,75	34,410
4	1 3/8	101,60	34,92	33,698
4	1 1/2	101,60	38,10	32,913
4	1 5/8	101,60	41,27	32,059



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
4	1 3/4	101,60	44,45	31,131
4	1 7/8	101,60	47,62	30,135
4	2	101,60	50,80	29,064
4	2 1/8	101,60	53,97	27,926
4	2 1/4	101,60	57,15	26,713
4	2 3/8	101,60	60,32	25,432
4	2 1/2	101,60	63,50	24,076
4	2 5/8	101,60	66,67	22,653
4	2 3/4	101,60	69,85	21,154
4	2 7/8	101,60	73,02	19,589
4	3	101,60	76,20	17,947
4	3 1/8	101,60	79,37	16,240
4	3 1/4	101,60	82,55	14,455
4	3 3/8	101,60	85,72	12,605
4	3 1/2	101,60	88,90	10,678
4 1/8	1/2	104,77	12,70	39,537
4 1/8	5/8	104,77	15,87	39,252
4 1/8	3/4	104,77	19,05	38,895
4 1/8	7/8	104,77	22,22	38,468
4 1/8	1	104,77	25,40	37,969
4 1/8	1 1/8	104,77	28,57	37,399
4 1/8	1 1/4	104,77	31,75	36,757
4 1/8	1 3/8	104,77	34,92	36,046
4 1/8	1 1/2	104,77	38,10	35,260
4 1/8	1 5/8	104,77	41,27	34,407
4 1/8	1 3/4	104,77	44,45	33,479



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
4 1/8	1 7/8	104,77	47,62	32,482
4 1/8	2	104,77	50,80	31,412
4 1/8	2 1/8	104,77	53,97	30,273
4 1/8	2 1/4	104,77	57,15	29,060
4 1/8	2 3/8	104,77	60,32	27,779
4 1/8	2 1/2	104,77	63,50	26,423
4 1/8	2 5/8	104,77	66,67	25,000
4 1/8	2 3/4	104,77	69,85	23,501
4 1/8	2 7/8	104,77	73,02	21,936
4 1/8	3	104,77	76,20	20,295
4 1/8	3 1/8	104,77	79,37	18,587
4 1/8	3 1/4	104,77	82,55	16,803
4 1/8	3 3/8	104,77	85,72	14,953
4 1/8	3 1/2	104,77	88,90	13,026
4 1/8	3 5/8	104,77	92,07	11,034
4 1/4	1/2	107,95	12,70	41,963
4 1/4	5/8	107,95	15,87	41,679
4 1/4	3/4	107,95	19,05	41,322
4 1/4	7/8	107,95	22,22	40,895
4 1/4	1	107,95	25,40	40,395
4 1/4	1 1/8	107,95	28,57	39,826
4 1/4	1 1/4	107,95	31,75	39,183
4 1/4	1 3/8	107,95	34,92	38,472
4 1/4	1 1/2	107,95	38,10	37,687
4 1/4	1 5/8	107,95	41,27	36,833
4 1/4	1 3/4	107,95	44,45	35,905



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
4 1/4	1 7/8	107,95	47,62	34,909
4 1/4	2	107,95	50,80	33,838
4 1/4	2 1/8	107,95	53,97	32,700
4 1/4	2 1/4	107,95	57,15	31,486
4 1/4	2 3/8	107,95	60,32	30,206
4 1/4	2 1/2	107,95	63,50	28,850
4 1/4	2 5/8	107,95	66,67	27,427
4 1/4	2 3/4	107,95	69,85	25,928
4 1/4	2 7/8	107,95	73,02	24,362
4 1/4	3	107,95	76,20	22,721
4 1/4	3 1/8	107,95	79,37	21,013
4 1/4	3 1/4	107,95	82,55	19,229
4 1/4	3 3/8	107,95	85,72	17,379
4 1/4	3 1/2	107,95	88,90	15,452
4 1/4	3 5/8	107,95	92,07	13,460
4 1/4	3 3/4	107,95	95,25	11,390
4 1/4	3 7/8	107,95	98,42	9,256
4 3/8	1/2	111,12	12,70	44,453
4 3/8	5/8	111,12	15,87	44,168
4 3/8	3/4	111,12	19,05	43,811
4 3/8	7/8	111,12	22,22	43,385
4 3/8	1	111,12	25,40	42,885
4 3/8	1 1/8	111,12	28,57	42,316
4 3/8	1 1/4	111,12	31,75	41,673
4 3/8	1 3/8	111,12	34,92	40,962
4 3/8	1 1/2	111,12	38,10	40,176



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
4 3/8	1 5/8	111,12	41,27	39,323
4 3/8	1 3/4	111,12	44,45	38,395
4 3/8	1 7/8	111,12	47,62	37,399
4 3/8	2	111,12	50,80	36,328
4 3/8	2 1/8	111,12	53,97	35,190
4 3/8	2 1/4	111,12	57,15	33,976
4 3/8	2 3/8	111,12	60,32	32,695
4 3/8	2 1/2	111,12	63,50	31,339
4 3/8	2 5/8	111,12	66,67	29,916
4 3/8	2 3/4	111,12	69,85	28,418
4 3/8	2 7/8	111,12	73,02	26,852
4 3/8	3	111,12	76,20	25,211
4 3/8	3 1/8	111,12	79,37	23,503
4 3/8	3 1/4	111,12	82,55	21,719
4 3/8	3 3/8	111,12	85,72	19,869
4 3/8	3 1/2	111,12	88,90	17,942
4 3/8	3 5/8	111,12	92,07	15,950
4 3/8	3 3/4	111,12	95,25	13,880
4 3/8	3 7/8	111,12	98,42	11,746
4 1/2	1	114,30	25,40	45,454
4 1/2	1 1/8	114,30	28,57	44,885
4 1/2	1 1/4	114,30	31,75	44,242
4 1/2	1 3/8	114,30	34,92	43,531
4 1/2	1 1/2	114,30	38,10	42,745
4 1/2	1 5/8	114,30	41,27	41,892
4 1/2	1 3/4	114,30	44,45	40,964



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
4 1/2	1 7/8	114,30	47,62	39,968
4 1/2	2	114,30	50,80	38,897
4 1/2	2 1/8	114,30	53,97	37,759
4 1/2	2 1/4	114,30	57,15	36,545
4 1/2	2 3/8	114,30	60,32	35,264
4 1/2	2 1/2	114,30	63,50	33,908
4 1/2	2 5/8	114,30	66,67	32,485
4 1/2	2 3/4	114,30	69,85	30,987
4 1/2	2 7/8	114,30	73,02	29,421
4 1/2	3	114,30	76,20	27,780
4 1/2	3 1/8	114,30	79,37	26,072
4 1/2	3 1/4	114,30	82,55	24,288
4 1/2	3 3/8	114,30	85,72	22,438
4 1/2	3 1/2	114,30	88,90	20,511
4 1/2	3 5/8	114,30	92,07	18,519
4 1/2	3 3/4	114,30	95,25	16,449
4 1/2	3 7/8	114,30	98,42	14,315
4 1/2	4	114,30	101,60	12,102
4 5/8	1	117,47	25,40	48,086
4 5/8	1 1/8	117,47	28,57	47,517
4 5/8	1 1/4	117,47	31,75	46,874
4 5/8	1 3/8	117,47	34,92	46,163
4 5/8	1 1/2	117,47	38,10	45,378
4 5/8	1 5/8	117,47	41,27	44,524
4 5/8	1 3/4	117,47	44,45	43,596
4 5/8	1 7/8	117,47	47,62	42,600



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
4 5/8	2	117,47	50,80	41,529
4 5/8	2 1/8	117,47	53,97	40,391
4 5/8	2 1/4	117,47	57,15	39,177
4 5/8	2 3/8	117,47	60,32	37,897
4 5/8	2 1/2	117,47	63,50	36,540
4 5/8	2 5/8	117,47	66,67	35,117
4 5/8	2 3/4	117,47	69,85	33,619
4 5/8	2 7/8	117,47	73,02	32,053
4 5/8	3	117,47	76,20	30,412
4 5/8	3 1/8	117,47	79,37	28,704
4 5/8	3 1/4	117,47	82,55	26,920
4 5/8	3 3/8	117,47	85,72	25,070
4 5/8	3 1/2	117,47	88,90	23,143
4 5/8	3 5/8	117,47	92,07	21,151
4 5/8	3 3/4	117,47	95,25	19,081
4 5/8	3 7/8	117,47	98,42	16,947
4 5/8	4	117,47	101,60	14,734
4 5/8	4 1/8	117,47	104,77	12,457
4 3/4	1	120,65	25,40	50,798
4 3/4	1 1/8	120,65	28,57	50,228
4 3/4	1 1/4	120,65	31,75	49,586
4 3/4	1 3/8	120,65	34,92	48,874
4 3/4	1 1/2	120,65	38,10	48,089
4 3/4	1 5/8	120,65	41,27	47,235
4 3/4	1 3/4	120,65	44,45	46,308
4 3/4	1 7/8	120,65	47,62	45,311



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
4 3/4	2	120,65	50,80	44,241
4 3/4	2 1/8	120,65	53,97	43,102
4 3/4	2 1/4	120,65	57,15	41,889
4 3/4	2 3/8	120,65	60,32	40,608
4 3/4	2 1/2	120,65	63,50	39,252
4 3/4	2 5/8	120,65	66,67	37,829
4 3/4	2 3/4	120,65	69,85	36,330
4 3/4	2 7/8	120,65	73,02	34,765
4 3/4	3	120,65	76,20	33,124
4 3/4	3 1/8	120,65	79,37	31,416
4 3/4	3 1/4	120,65	82,55	29,632
4 3/4	3 3/8	120,65	85,72	27,782
4 3/4	3 1/2	120,65	88,90	25,855
4 3/4	3 5/8	120,65	92,07	23,863
4 3/4	3 3/4	120,65	95,25	21,793
4 3/4	3 7/8	120,65	98,42	19,658
4 3/4	4	120,65	101,60	17,446
4 3/4	4 1/8	120,65	104,77	15,169
4 3/4	4 1/4	120,65	107,95	12,814
4 7/8	1	123,82	25,40	53,572
4 7/8	1 1/8	123,82	28,57	53,003
4 7/8	1 1/4	123,82	31,75	52,360
4 7/8	1 3/8	123,82	34,92	51,649
4 7/8	1 1/2	123,82	38,10	50,864
4 7/8	1 5/8	123,82	41,27	50,010
4 7/8	1 3/4	123,82	44,45	49,082



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
4 7/8	1 7/8	123,82	47,62	48,086
4 7/8	2	123,82	50,80	47,015
4 7/8	2 1/8	123,82	53,97	45,877
4 7/8	2 1/4	123,82	57,15	44,663
4 7/8	2 3/8	123,82	60,32	43,379
4 7/8	2 1/2	123,82	63,50	42,027
4 7/8	2 5/8	123,82	66,67	40,604
4 7/8	2 3/4	123,82	69,85	39,105
4 7/8	2 7/8	123,82	73,02	37,540
4 7/8	3	123,82	76,20	35,898
4 7/8	3 1/8	123,82	79,37	34,190
4 7/8	3 1/4	123,82	82,55	32,406
4 7/8	3 3/8	123,82	85,72	30,556
4 7/8	3 1/2	123,82	88,90	28,629
4 7/8	3 5/8	123,82	92,07	26,637
4 7/8	3 3/4	123,82	95,25	24,567
4 7/8	3 7/8	123,82	98,42	22,433
4 7/8	4	123,82	101,60	20,220
4 7/8	4 1/8	123,82	104,77	17,944
4 7/8	4 1/4	123,82	107,95	15,588
4 7/8	4 3/8	123,82	111,12	13,169
5	1	127,00	25,40	56,427
5	1 1/8	127,00	28,57	55,857
5	1 1/4	127,00	31,75	55,215
5	1 3/8	127,00	34,92	54,503
5	1 1/2	127,00	38,10	53,718



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
5	1 5/8	127,00	41,27	52,864
5	1 3/4	127,00	44,45	51,936
5	1 7/8	127,00	47,62	50,940
5	2	127,00	50,80	49,870
5	2 1/8	127,00	53,97	48,731
5	2 1/4	127,00	57,15	47,518
5	2 3/8	127,00	60,32	46,237
5	2 1/2	127,00	63,50	44,881
5	2 5/8	127,00	66,67	43,458
5	2 3/4	127,00	69,85	41,959
5	2 7/8	127,00	73,02	40,394
5	3	127,00	76,20	38,752
5	3 1/8	127,00	79,37	37,045
5	3 1/4	127,00	82,55	35,261
5	3 3/8	127,00	85,72	33,411
5	3 1/2	127,00	88,90	31,484
5	3 5/8	127,00	92,07	29,492
5	3 3/4	127,00	95,25	27,422
5	3 7/8	127,00	98,42	25,287
5	4	127,00	101,60	23,075
5	4 1/8	127,00	104,77	20,798
5	4 1/4	127,00	107,95	18,443
5	4 3/8	127,00	111,12	16,024
5	4 1/2	127,00	114,30	13,526
5 1/8	1	130,17	25,40	59,343
5 1/8	1 1/8	130,17	28,57	58,774



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
5 1/8	1 1/4	130,17	31,75	58,132
5 1/8	1 3/8	130,17	34,92	57,420
5 1/8	1 1/2	130,17	38,10	56,635
5 1/8	1 5/8	130,17	41,27	55,781
5 1/8	1 3/4	130,17	44,45	54,853
5 1/8	1 7/8	130,17	47,62	53,857
5 1/8	2	130,17	50,80	52,786
5 1/8	2 1/8	130,17	53,97	51,648
5 1/8	2 1/4	130,17	57,15	50,435
5 1/8	2 3/8	130,17	60,32	49,154
5 1/8	2 1/2	130,17	63,50	47,798
5 1/8	2 5/8	130,17	66,67	46,375
5 1/8	2 3/4	130,17	69,85	44,876
5 1/8	2 7/8	130,17	73,02	43,311
5 1/8	3	130,17	76,20	41,669
5 1/8	3 1/8	130,17	79,37	39,962
5 1/8	3 1/4	130,17	82,55	38,177
5 1/8	3 3/8	130,17	85,72	36,327
5 1/8	3 1/2	130,17	88,90	34,400
5 1/8	3 5/8	130,17	92,07	32,408
5 1/8	3 3/4	130,17	95,25	30,338
5 1/8	3 7/8	130,17	98,42	28,204
5 1/8	4	130,17	101,60	25,991
5 1/8	4 1/8	130,17	104,77	23,715
5 1/8	4 1/4	130,17	107,95	21,359
5 1/8	4 3/8	130,17	111,12	18,940



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
5 1/8	4 1/2	130,17	114,30	16,442
5 1/8	4 5/8	130,17	117,47	13,881
5 1/4	1	133,35	25,40	62,341
5 1/4	1 1/4	133,35	31,75	61,129
5 1/4	1 3/8	133,35	34,92	60,417
5 1/4	1 1/2	133,35	38,10	59,632
5 1/4	1 5/8	133,35	41,27	58,778
5 1/4	1 3/4	133,35	44,45	57,850
5 1/4	1 7/8	133,35	47,62	56,854
5 1/4	2	133,35	50,80	55,784
5 1/4	2 1/8	133,35	53,97	54,645
5 1/4	2 1/4	133,35	57,15	53,432
5 1/4	2 3/8	133,35	60,32	52,151
5 1/4	2 1/2	133,35	63,50	50,795
5 1/4	2 5/8	133,35	66,67	49,372
5 1/4	2 3/4	133,35	69,85	47,873
5 1/4	2 7/8	133,35	73,02	46,308
5 1/4	3	133,35	76,20	44,666
5 1/4	3 1/8	133,35	79,37	42,959
5 1/4	3 1/4	133,35	82,55	41,174
5 1/4	3 3/8	133,35	85,72	39,325
5 1/4	3 1/2	133,35	88,90	37,398
5 1/4	3 5/8	133,35	92,07	35,405
5 1/4	3 3/4	133,35	95,25	33,336
5 1/4	3 7/8	133,35	98,42	31,201
5 1/4	4	133,35	101,60	28,989



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
5 1/4	4 1/8	133,35	104,77	26,712
5 1/4	4 1/4	133,35	107,95	24,357
5 1/4	4 3/8	133,35	111,12	21,938
5 1/4	4 1/2	133,35	114,30	19,440
5 1/4	4 5/8	133,35	117,47	16,878
5 1/4	4 3/4	133,35	120,65	14,238
5 3/8	1	136,52	25,40	65,399
5 3/8	1 1/4	136,52	31,75	64,188
5 3/8	1 3/8	136,52	34,92	63,476
5 3/8	1 1/2	136,52	38,10	62,691
5 3/8	1 5/8	136,52	41,27	61,837
5 3/8	1 3/4	136,52	44,45	60,909
5 3/8	1 7/8	136,52	47,62	59,913
5 3/8	2	136,52	50,80	58,843
5 3/8	2 1/8	136,52	53,97	57,704
5 3/8	2 1/4	136,52	57,15	56,491
5 3/8	2 3/8	136,52	60,32	55,210
5 3/8	2 1/2	136,52	63,50	53,854
5 3/8	2 5/8	136,52	66,67	52,431
5 3/8	2 3/4	136,52	69,85	50,932
5 3/8	2 7/8	136,52	73,02	49,367
5 3/8	3	136,52	76,20	47,725
5 3/8	3 1/8	136,52	79,37	46,018
5 3/8	3 1/4	136,52	82,55	44,233
5 3/8	3 3/8	136,52	85,72	42,384
5 3/8	3 1/2	136,52	88,90	40,457



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
5 3/8	3 5/8	136,52	92,07	38,464
5 3/8	3 3/4	136,52	95,25	36,395
5 3/8	3 7/8	136,52	98,42	34,260
5 3/8	4	136,52	101,60	32,048
5 3/8	4 1/8	136,52	104,77	29,771
5 3/8	4 1/4	136,52	107,95	27,416
5 3/8	4 3/8	136,52	111,12	24,997
5 3/8	4 1/2	136,52	114,30	22,499
5 3/8	4 5/8	136,52	117,47	19,937
5 3/8	4 3/4	136,52	120,65	17,297
5 3/8	4 7/8	136,52	123,82	14,593
5 1/2	1	139,70	25,40	68,539
5 1/2	1 1/4	139,70	31,75	67,328
5 1/2	1 3/8	139,70	34,92	66,616
5 1/2	1 1/2	139,70	38,10	65,831
5 1/2	1 5/8	139,70	41,27	64,977
5 1/2	1 3/4	139,70	44,45	64,049
5 1/2	1 7/8	139,70	47,62	63,053
5 1/2	2	139,70	50,80	61,983
5 1/2	2 1/8	139,70	53,97	60,844
5 1/2	2 1/4	139,70	57,15	59,631
5 1/2	2 3/8	139,70	60,32	58,350
5 1/2	2 1/2	139,70	63,50	56,994
5 1/2	2 5/8	139,70	66,67	55,571
5 1/2	2 3/4	139,70	69,85	54,072
5 1/2	3	139,70	76,20	50,865



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
5 1/2	3 1/4	139,70	82,55	47,373
5 1/2	3 3/8	139,70	85,72	45,524
5 1/2	3 1/2	139,70	88,90	43,596
5 1/2	3 5/8	139,70	92,07	41,604
5 1/2	3 3/4	139,70	95,25	39,535
5 1/2	3 7/8	139,70	98,42	37,400
5 1/2	4	139,70	101,60	35,188
5 1/2	4 1/4	139,70	107,95	30,556
5 1/2	4 3/8	139,70	111,12	28,137
5 1/2	4 1/2	139,70	114,30	25,639
5 1/2	4 5/8	139,70	117,47	23,077
5 1/2	4 3/4	139,70	120,65	20,437
5 1/2	4 7/8	139,70	123,82	17,733
5 1/2	5	139,70	127,00	14,950
5 5/8	1	142,87	25,40	71,741
5 5/8	1 1/4	142,87	31,75	70,529
5 5/8	1 3/8	142,87	34,92	69,817
5 5/8	1 1/2	142,87	38,10	69,032
5 5/8	1 5/8	142,87	41,27	68,178
5 5/8	1 3/4	142,87	44,45	67,251
5 5/8	1 7/8	142,87	47,62	66,254
5 5/8	2	142,87	50,80	65,184
5 5/8	2 1/8	142,87	53,97	64,045
5 5/8	2 1/4	142,87	57,15	62,832
5 5/8	2 3/8	142,87	60,32	61,551
5 5/8	2 1/2	142,87	63,50	60,195



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
5 5/8	2 5/8	142,87	66,67	58,772
5 5/8	2 3/4	142,87	69,85	57,273
5 5/8	3	142,87	76,20	54,067
5 5/8	3 1/4	142,87	82,55	50,575
5 5/8	3 3/8	142,87	85,72	48,725
5 5/8	3 1/2	142,87	88,90	46,798
5 5/8	3 5/8	142,87	92,07	44,806
5 5/8	3 3/4	142,87	95,25	42,736
5 5/8	3 7/8	142,87	98,42	40,601
5 5/8	4	142,87	101,60	38,389
5 5/8	4 1/4	142,87	107,95	33,757
5 5/8	4 3/8	142,87	111,12	31,338
5 5/8	4 1/2	142,87	114,30	28,840
5 5/8	4 5/8	142,87	117,47	26,279
5 5/8	4 3/4	142,87	120,65	23,638
5 5/8	4 7/8	142,87	123,82	20,934
5 5/8	5	142,87	127,00	18,151
5 3/4	1	146,05	25,40	75,023
5 3/4	1 1/4	146,05	31,75	73,812
5 3/4	1 3/8	146,05	34,92	73,100
5 3/4	1 1/2	146,05	38,10	72,315
5 3/4	1 5/8	146,05	41,27	71,461
5 3/4	1 3/4	146,05	44,45	70,533
5 3/4	1 7/8	146,05	47,62	69,537
5 3/4	2	146,05	50,80	68,466
5 3/4	2 1/8	146,05	53,97	67,328



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
5 3/4	2 1/4	146,05	57,15	66,115
5 3/4	2 3/8	146,05	60,32	64,834
5 3/4	2 1/2	146,05	63,50	63,478
5 3/4	2 5/8	146,05	66,67	62,055
5 3/4	2 3/4	146,05	69,85	60,556
5 3/4	2 7/8	146,05	73,02	58,991
5 3/4	3	146,05	76,20	57,349
5 3/4	3 1/8	146,05	79,37	55,642
5 3/4	3 1/4	146,05	82,55	53,857
5 3/4	3 3/8	146,05	85,72	52,007
5 3/4	3 1/2	146,05	88,90	50,080
5 3/4	3 5/8	146,05	92,07	48,088
5 3/4	3 3/4	146,05	95,25	46,019
5 3/4	3 7/8	146,05	98,42	43,884
5 3/4	4	146,05	101,60	41,672
5 3/4	4 1/8	146,05	104,77	39,395
5 3/4	4 1/4	146,05	107,95	37,040
5 3/4	4 3/8	146,05	111,12	34,621
5 3/4	4 1/2	146,05	114,30	32,123
5 3/4	4 5/8	146,05	117,47	29,561
5 3/4	4 3/4	146,05	120,65	26,921
5 3/4	4 7/8	146,05	123,82	24,217
5 3/4	5	146,05	127,00	21,434
5 3/4	5 1/8	146,05	130,17	18,588
5 3/4	5 1/4	146,05	133,35	15,661
5 7/8	2	149,22	50,80	71,810



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
5 7/8	2 1/4	149,22	57,15	69,458
5 7/8	2 3/8	149,22	60,32	68,178
5 7/8	2 1/2	149,22	63,50	66,821
5 7/8	2 5/8	149,22	66,67	65,398
5 7/8	2 3/4	149,22	69,85	63,900
5 7/8	2 7/8	149,22	73,02	62,334
5 7/8	3	149,22	76,20	60,693
5 7/8	3 1/8	149,22	79,37	58,985
5 7/8	3 1/4	149,22	82,55	57,201
5 7/8	3 1/2	149,22	88,90	53,424
5 7/8	3 5/8	149,22	92,07	51,432
5 7/8	3 3/4	149,22	95,25	49,362
5 7/8	3 7/8	149,22	98,42	47,228
5 7/8	4	149,22	101,60	45,015
5 7/8	4 1/8	149,22	104,77	42,738
5 7/8	4 1/4	149,22	107,95	40,383
5 7/8	4 3/8	149,22	111,12	37,964
5 7/8	4 1/2	149,22	114,30	35,466
5 7/8	4 5/8	149,22	117,47	32,905
5 7/8	4 3/4	149,22	120,65	30,264
5 7/8	4 7/8	149,22	123,82	27,561
5 7/8	5	149,22	127,00	24,777
5 7/8	5 1/8	149,22	130,17	21,931
5 7/8	5 1/4	149,22	133,35	19,005
5 7/8	5 3/8	149,22	136,52	16,017
6	2	152,40	50,80	75,235



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
6	2 1/8	152,40	53,97	74,097
6	2 1/4	152,40	57,15	72,884
6	2 3/8	152,40	60,32	71,603
6	2 1/2	152,40	63,50	70,247
6	2 5/8	152,40	66,67	68,824
6	2 3/4	152,40	69,85	67,325
6	2 7/8	152,40	73,02	65,760
6	3	152,40	76,20	64,118
6	3 1/8	152,40	79,37	62,411
6	3 1/4	152,40	82,55	60,626
6	3 3/8	152,40	85,72	58,776
6	3 1/2	152,40	88,90	56,849
6	3 5/8	152,40	92,07	54,857
6	3 3/4	152,40	95,25	52,787
6	3 7/8	152,40	98,42	50,653
6	4	152,40	101,60	48,441
6	4 1/8	152,40	104,77	46,164
6	4 1/4	152,40	107,95	43,809
6	4 3/8	152,40	111,12	41,390
6	4 1/2	152,40	114,30	38,892
6	4 5/8	152,40	117,47	36,330
6	4 3/4	152,40	120,65	33,690
6	4 7/8	152,40	123,82	30,986
6	5	152,40	127,00	28,203
6	5 1/8	152,40	130,17	25,357
6	5 1/4	152,40	133,35	22,430



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
6	5 3/8	152,40	136,52	19,442
6	5 1/2	152,40	139,70	16,373
6 1/4	2	158,75	50,80	82,289
6 1/4	2 1/4	158,75	57,15	79,938
6 1/4	2 1/2	158,75	63,50	77,301
6 1/4	2 3/4	158,75	69,85	74,379
6 1/4	3	158,75	76,20	71,172
6 1/4	3 1/4	158,75	82,55	67,680
6 1/4	3 1/2	158,75	88,90	63,903
6 1/4	3 3/4	158,75	95,25	59,841
6 1/4	4	158,75	101,60	55,495
6 1/4	4 1/4	158,75	107,95	50,863
6 1/4	4 1/2	158,75	114,30	45,946
6 1/4	4 3/4	158,75	120,65	40,744
6 1/4	5	158,75	127,00	35,257
6 1/4	5 1/4	158,75	133,35	29,484
6 1/4	5 1/2	158,75	139,70	23,427
6 1/2	2	165,10	50,80	89,628
6 1/2	2 1/4	165,10	57,15	87,277
6 1/2	2 1/2	165,10	63,50	84,640
6 1/2	2 3/4	165,10	69,85	81,718
6 1/2	3	165,10	76,20	78,511
6 1/2	3 1/4	165,10	82,55	75,019
6 1/2	3 1/2	165,10	88,90	71,242
6 1/2	3 3/4	165,10	95,25	67,181
6 1/2	4	165,10	101,60	62,834



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
6 1/2	4 1/4	165,10	107,95	58,202
6 1/2	4 1/2	165,10	114,30	53,285
6 1/2	4 3/4	165,10	120,65	48,083
6 1/2	5	165,10	127,00	42,596
6 1/2	5 1/4	165,10	133,35	36,823
6 1/2	5 1/2	165,10	139,70	30,766
6 1/2	5 3/4	165,10	146,05	24,424
6 1/2	6	165,10	152,40	17,797
6 3/4	2	171,45	50,80	97,253
6 3/4	2 1/4	171,45	57,15	94,901
6 3/4	2 1/2	171,45	63,50	92,264
6 3/4	2 3/4	171,45	69,85	89,342
6 3/4	3	171,45	76,20	86,135
6 3/4	3 1/4	171,45	82,55	82,643
6 3/4	3 1/2	171,45	88,90	78,866
6 3/4	3 3/4	171,45	95,25	74,805
6 3/4	4	171,45	101,60	70,458
6 3/4	4 1/4	171,45	107,95	65,826
6 3/4	4 1/2	171,45	114,30	60,909
6 3/4	4 3/4	171,45	120,65	55,707
6 3/4	5	171,45	127,00	50,220
6 3/4	5 1/4	171,45	133,35	44,448
6 3/4	5 1/2	171,45	139,70	38,390
6 3/4	5 3/4	171,45	146,05	32,048
6 3/4	6	171,45	152,40	25,421
7	2	177,80	50,80	105,162



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
7	2 1/4	177,80	57,15	102,810
7	2 1/2	177,80	63,50	100,173
7	2 3/4	177,80	69,85	97,251
7	3	177,80	76,20	94,044
7	3 1/4	177,80	82,55	90,552
7	3 1/2	177,80	88,90	86,776
7	3 3/4	177,80	95,25	82,714
7	4	177,80	101,60	78,367
7	4 1/4	177,80	107,95	73,735
7	4 1/2	177,80	114,30	68,818
7	4 3/4	177,80	120,65	63,616
7	5	177,80	127,00	58,129
7	5 1/4	177,80	133,35	52,357
7	5 1/2	177,80	139,70	46,300
7	5 3/4	177,80	146,05	39,957
7	6	177,80	152,40	33,330
7	6 1/2	177,80	165,10	19,221
7 1/2	3	190,50	76,20	110,718
7 1/2	3 1/2	190,50	88,90	103,449
7 1/2	4	190,50	101,60	95,040
7 1/2	4 1/2	190,50	114,30	85,491
7 1/2	5	190,50	127,00	74,802
7 1/2	5 1/2	190,50	139,70	62,973
7 1/2	6	190,50	152,40	50,003
7 1/2	6 1/2	190,50	165,10	35,894
7 1/2	6 3/4	190,50	171,45	28,412



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
8	3	203,20	76,20	128,531
8	3 1/2	203,20	88,90	121,262
8	4	203,20	101,60	112,853
8	4 1/2	203,20	114,30	103,304
8	5	203,20	127,00	92,615
8	5 1/2	203,20	139,70	80,786
8	6	203,20	152,40	67,817
8	6 1/2	203,20	165,10	53,707
8	7	203,20	177,80	38,458
8 1/2	3	215,90	76,20	147,484
8 1/2	3 1/2	215,90	88,90	140,215
8 1/2	4	215,90	101,60	131,807
8 1/2	4 1/2	215,90	114,30	122,258
8 1/2	5	215,90	127,00	111,569
8 1/2	5 1/2	215,90	139,70	99,739
8 1/2	6	215,90	152,40	86,770
8 1/2	6 1/2	215,90	165,10	72,661
8 1/2	7	215,90	177,80	57,411
8 1/2	7 1/2	215,90	190,50	41,022
9	3	228,60	76,20	167,578
9	4	228,60	101,60	151,900
9	4 1/2	228,60	114,30	142,351
9	5	228,60	127,00	131,662
9	5 1/2	228,60	139,70	119,833
9	6	228,60	152,40	106,864
9	6 1/2	228,60	165,10	92,754



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
9	7	228,60	177,80	77,505
9	7 1/2	228,60	190,50	61,115
9	8	228,60	203,20	43,586
9 1/2	4	241,30	101,60	173,134
9 1/2	4 1/2	241,30	114,30	163,585
9 1/2	5	241,30	127,00	152,896
9 1/2	5 1/2	241,30	139,70	141,066
9 1/2	6	241,30	152,40	128,097
9 1/2	6 1/2	241,30	165,10	113,988
9 1/2	7	241,30	177,80	98,738
9 1/2	7 1/2	241,30	190,50	82,349
9 1/2	8	241,30	203,20	64,819
9 1/2	8 1/2	241,30	215,90	46,150
10	4	254,00	101,60	195,507
10	4 1/2	254,00	114,30	185,958
10	5	254,00	127,00	175,269
10	5 1/2	254,00	139,70	163,440
10	6	254,00	152,40	150,471
10	6 1/2	254,00	165,10	136,362
10	7	254,00	177,80	121,112
10	7 1/2	254,00	190,50	104,723
10	8	254,00	203,20	87,193
10	9	254,00	228,60	48,713
10 1/2	4	266,70	101,60	219,021
10 1/2	4 1/2	266,70	114,30	209,472
10 1/2	5	266,70	127,00	198,783



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
10 1/2	5 1/2	266,70	139,70	186,954
10 1/2	6	266,70	152,40	173,985
10 1/2	6 1/2	266,70	165,10	159,875
10 1/2	7	266,70	177,80	144,626
10 1/2	7 1/2	266,70	190,50	128,236
10 1/2	8	266,70	203,20	110,707
10 1/2	9	266,70	228,60	72,227
10 1/2	9 1/2	266,70	241,30	51,277
11	4	279,40	101,60	243,675
11	4 1/2	279,40	114,30	234,126
11	5	279,40	127,00	223,437
11	5 1/2	279,40	139,70	211,608
11	6	279,40	152,40	198,639
11	6 1/2	279,40	165,10	184,529
11	7	279,40	177,80	169,280
11	7 1/2	279,40	190,50	152,890
11	8	279,40	203,20	135,361
11	8 1/2	279,40	215,90	116,691
11	9	279,40	228,60	96,881
11	10	279,40	254,00	53,841
11 1/2	4	292,10	101,60	269,469
11 1/2	4 1/2	292,10	114,30	259,920
11 1/2	5	292,10	127,00	249,231
11 1/2	5 1/2	292,10	139,70	237,402
11 1/2	6	292,10	152,40	224,433
11 1/2	6 1/2	292,10	165,10	210,323



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
11 1/2	7	292,10	177,80	195,074
11 1/2	7 1/2	292,10	190,50	178,684
11 1/2	8	292,10	203,20	161,155
11 1/2	8 1/2	292,10	215,90	142,485
12	4	304,80	101,60	296,403
12	4 1/2	304,80	114,30	286,854
12	5	304,80	127,00	276,165
12	5 1/2	304,80	139,70	264,336
12	6	304,80	152,40	251,367
12	6 1/2	304,80	165,10	237,257
12	7	304,80	177,80	222,008
12	7 1/2	304,80	190,50	205,618
12	8	304,80	203,20	188,089
12	8 1/2	304,80	215,90	169,419
12	9	304,80	228,60	149,609
12	9 1/2	304,80	241,30	128,659
12	10	304,80	254,00	106,569
12	10 1/2	304,80	266,70	83,339
12	11	304,80	279,40	58,969
13	5	330,20	127,00	333,453
13	6	330,20	152,40	308,655
13	7	330,20	177,80	279,296
13	8	330,20	203,20	245,377
13	9	330,20	228,60	206,898
13	10	330,20	254,00	163,858
13	11	330,20	279,40	116,257



Diâmetro Externo (pol.)	Diâmetro Interno (pol.)	Diâmetro Externo (mm)	Diâmetro Interno (mm)	Peso (kg/pç de 500mm)
13	12	330,20	304,80	64,097
14	5	355,60	127,00	395,302
14	6	355,60	152,40	370,504
14	7	355,60	177,80	341,145
14	8	355,60	203,20	307,226
14	9	355,60	228,60	268,746
14	10	355,60	254,00	225,706
14	11	355,60	279,40	178,106
14	12	355,60	304,80	125,945
14	13	355,60	330,20	69,224
15	5	381,00	127,00	461,711
15	6	381,00	152,40	436,913
15	7	381,00	177,80	407,554
15	8	381,00	203,20	373,635
15	9	381,00	228,60	335,155
15	10	381,00	254,00	292,116
15	11	381,00	279,40	244,515
15	12	381,00	304,80	192,355
15	13	381,00	330,20	135,634
15	14	381,00	355,60	74,352

