



DIMENSÕES			REFERÊNCIA
INTERNO	EXTERNO	ALTURA	
1/8"	3/8"	1/8"	968
1/4"	1/2"	1/8"	969
1/4"	5/8"	3/16"	970
1/4"	3/4"	1/4"	971
5/16"	9/16"	1/8"	972
5/16"	11/16"	3/16"	973
5/16"	13/16"	1/4"	974
3/8"	5/8"	1/8"	975
3/8"	3/4"	3/16"	976
3/8"	7/8"	1/4"	977
3/8"	1"	5/16"	978
7/16"	11/16"	1/8"	979
7/16"	13/16"	3/16"	980
7/16"	15/16"	1/4"	981
7/16"	1.1/16"	5/16"	982
1/2"	3/4"	1/8"	983
1/2"	7/8"	3/16"	984
1/2"	1"	1/4"	985
1/2"	1.1/8"	5/16"	1416
1/2"	1.1/4"	3/8"	987
9/16"	13/16"	1/8"	988
9/16"	15/16"	3/16"	989
9/16"	1.1/16"	1/4"	990
9/16"	1.3/16"	5/16"	991
9/16"	1.5/16"	3/8"	992
5/8"	7/8"	1/8"	993
5/8"	1"	3/16"	994
5/8"	1.1/8"	1/4"	995
5/8"	1.1/4"	5/16"	996
5/8"	1.3/8"	3/8"	997
11/16"	15/16"	1/8"	998
11/16"	1.1/16"	3/16"	999
11/16"	1.3/16"	1/4"	1000
11/16"	1.5/16"	5/16"	1001
11/16"	1.7/16"	3/8"	1002
3/4"	1"	1/8"	1003
3/4"	1.1/8"	3/16"	2123
3/4"	1.1/4"	1/4"	1004
3/4"	1.3/8"	5/16"	1005
3/4"	1.1/2"	3/8"	1006
13/16"	1.1/16"	1/8"	2284
13/16"	1.3/16"	3/16"	1007
13/16"	1.5/16"	1/4"	1008
13/16"	1.7/16"	5/16"	1009

13/16"	1.9/16"	3/8"	1010
7/8"	1.1/8"	1/8"	1011
7/8"	1.1/4"	3/16"	1012
7/8"	1.3/8"	1/4"	1013
7/8"	1.1/2"	5/16"	1014
7/8"	1.5/8"	3/8"	1015
15/16"	1.3/16"	1/8"	1016
15/16"	1.5/16"	3/16"	1017
15/16"	1.7/16"	1/4"	1018
15/16"	1.9/16"	5/16"	1019
15/16"	1.11/16"	3/8"	1020
1"	1.1/4"	1/8"	1021
1"	1.3/8"	3/16"	1022
1"	1.1/2"	1/4"	1023
1"	1.5/8"	5/16"	1024
1"	1.3/4"	3/8"	1025
1"	2"	1/2"	J-5000-1000
1.1/16"	1.5/16"	1/8"	1026
1.1/16"	1.7/16"	3/16"	1027
1.1/16"	1.9/16"	1/4"	1028
1.1/16"	1.11/16"	5/16"	1029
1.1/16"	1.3/16"	3/8"	4429
1.1/8"	1.3/8"	1/8"	1030
1.1/8"	1.1/2"	3/16"	1031
1.1/8"	1.5/8"	1/4"	1032
1.1/8"	1.3/4"	5/16"	1033
1.1/8"	1.7/8"	3/8"	1034
1.3/16"	1.7/16"	1/8"	1035
1.3/16"	1.9/16"	3/16"	805
1.3/16"	1.11/16"	1/4"	806
1.3/16"	1.13/16"	5/16"	807
1.3/16"	1.15/16"	3/8"	808
1.3/16"	1.11/16"	1/2"	J-5001-1187
1.1/4"	1.1/2"	1/8"	809
1.1/4"	1.5/8"	3/16"	810
1.1/4"	1.3/4"	1/4"	811
1.1/4"	1/78"	5/16"	812
1.1/4"	2"	3/8"	813
1.1/4"	2.1/4"	1/2"	J-5000-1250
1.1/4"	2.1/2"	5/8"	J-6250-1250
1.5/16"	1.9/16"	1/8"	814
1.5/16"	1.11/16"	3/16"	2189
1.5/16"	1.13/16"	1/4"	815
1.5/16"	1.15/16"	5/16"	816
1.5/16"	2.1/16"	3/8"	817
1.3/8"	1.5/8"	1/8"	818
1.3/8"	1.3/4"	3/16"	2187
1.3/8"	1.7/8"	1/4"	819
1.3/8"	2"	5/16"	820
1.3/8"	2.1/8"	3/8"	821
1.3/8"	2.3/8"	1/2"	J-5000-1375
1.3/8"	2.5/8"	5/8"	J-6250-1375
1.7/16"	1.11/16"	1/8"	822
1.7/16"	1.13/16"	3/16"	823
1.7/16"	1.15/16"	1/4"	824
1.7/16"	2.1/16"	5/16"	825

1.7/16"	2.3/16"	3/8"	826
1.1/2"	1.3/4"	1/8"	827
1.1/2"	1/78"	3/16"	828
1.1/2"	2"	1/4"	829
1.1/2"	2.1/8"	5/16"	2191
1.1/2"	2.1/4"	3/8"	831
1.1/2"	2.1/2"	1/2"	J-5000-1500
1.1/2"	2.3/4"	5/8"	6250-1500
1.5/8"	2"	3/16"	832
1.5/8"	2.1/8"	1/4"	833
1.5/8"	2.1/4"	5/16"	834
1.5/8"	2.3/8"	3/8"	835
1.3/4"	2"	1/8"	J-1250-1750
1.3/4"	2.1/8"	3/16"	836
1.3/4"	2.1/4"	1/4"	837
1.3/4"	2.3/8"	5/16"	838
1.3/4"	2.1/2"	3/8"	839
1.3/4"	2.3/4"	1/2"	J-5000-1750
1.3/4"	3"	5/8"	J-6250-1750
1.7/8"	2.1/4"	3/16"	840
1.7/8"	2.3/8"	1/4"	841
1.7/8"	2.1/2"	5/16"	842
1.7/8"	2.5/8"	3/8"	843
2"	2.1/4"	1/8"	J-1250-2000
2"	2.3/8"	3/16"	844
2"	2.1/2"	1/4"	2148
2"	2.5/8"	5/16"	845
2"	2.3/4"	3/8"	846
2"	3"	1/2"	2194
2"	3.1/4"	5/8"	J-6250-2000
2.1/8"	2.1/2"	3/16"	847
2.1/8"	2.5/8"	1/4"	848
2.1/8"	2.3/4"	5/16"	849
2.1/8"	2.7/8"	3/8"	850
2.1/4"	2.1/2"	1/8"	J-1250-2250
2.1/4"	2.5/8"	3/16"	851
2.1/4"	2.3/4"	1/4"	852
2.1/4"	2.7/8"	5/16"	853
2.1/4"	3"	3/8"	854
2.1/4"	3.1/4"	1/2"	3751
2.1/4"	3.1/2"	5/8"	J-6250-2250
2.3/8"	2.3/4"	3/16"	855
2.3/8"	2.7/8"	1/4"	856
2.3/8"	3"	5/16"	857
2.3/8"	3.1/8"	3/8"	858
2.1/2"	2.3/4"	1/8"	J-1250-2500
2.1/2"	2.7/8"	3/16"	859
2.1/2"	3"	1/4"	2142
2.1/2"	3.1/8"	5/16"	860
2.1/2"	3.1/4"	3/8"	861
2.1/2"	3.1/2"	1/2"	6271
2.1/2"	3.3/4"	5/8"	J-6250-2500
2.5/8"	3"	3/16"	862
2.5/8"	3.1/8"	1/4"	863
2.5/8"	3.1/4"	5/16"	864
2.5/8"	3.3/8"	3/8"	865

2.3/4"	3.1/8"	3/16"	866
2.3/4"	3.1/4"	1/4"	867
2.3/4"	3.3/8"	5/16"	868
2.3/4"	3.1/2"	3/8"	869
2.3/4"	3.3/4"	1/2"	J-5000-2750
2.3/4"	4"	5/8"	J-6250-2750
2.7/8"	3.1/4"	3/16"	870
2.7/8"	3.3/8"	1/4"	871
2.7/8"	3.1/2"	5/16"	872
2.7/8"	3.5/8"	3/8"	873
3"	3.3/8"	3/16"	874
3"	3.1/2"	1/4"	875
3"	3.5/8"	5/16"	876
3"	3.3/4"	3/8"	877
3"	4"	1/2"	2195
3"	4.1/4"	5/8"	J-6250-3000
3"	4.1/2"	3/4"	J-7500-3000
3.1/8"	3.1/2"	3/16"	878
3.1/8"	3.5/8"	1/4"	879
3.1/8"	3.3/4"	5/16"	880
3.1/8"	3.7/8"	3/8"	881
3.3/16"	3.3/4"	5/16"	882
3.3/16"	3.15/16"	3/8"	883
3.1/4"	3.5/8"	3/16"	884
3.1/4"	3.3/4"	1/4"	885
3.1/4"	3.7/8"	5/16"	886
3.1/4"	4"	3/8"	2609
3.1/4"	4.1/4"	1/2"	887
3.1/4"	4.1/2"	5/8"	J-6250-3250
3.1/4"	4.3/4"	3/4"	J-7500-3250
3.3/8"	3.3/4"	3/16"	888
3.3/8"	3.7/8"	1/4"	889
3.3/8"	4"	5/16"	890
3.3/8"	4.1/8"	3/8"	891
3.3/8"	4.3/8"	1/2"	J-5000-3375
3.1/2"	3.7/8"	3/16"	892
3.1/2"	4"	1/4"	893
3.1/2"	4.1/8"	5/16"	894
3.1/2"	4.1/4"	3/8"	895
3.1/2"	4.1/2"	1/2"	J-5000-3500
3.1/2"	4.3/4"	5/8"	J-6250-3500
3.1/2"	5"	3/4"	J-7500-3500
3.5/8"	4"	3/16"	896
3.5/8"	4.1/8"	1/4"	897
3.5/8"	4.1/4"	5/16"	898
3.5/8"	4.3/8"	3/8"	899
3.3/4"	4.1/8"	3/16"	900
3.3/4"	4.1/4"	1/4"	901
3.3/4"	4.3/8"	5/16"	902
3.3/4"	4.1/2"	3/8"	903
3.3/4"	4.3/4"	1/2"	J-5000-3750
3.3/4"	5"	5/8"	J-6250-3750
3.3/4"	5.1/4"	3/4"	J-7500-3750
3.7/8"	4.1/4"	3/16"	2279
3.7/8"	4.3/8"	1/4"	904
3.7/8"	4.1/2"	5/16"	905

3.7/8"	4.5/8"	3/8"	906
4"	4.3/8"	3/16"	907
4"	4.1/2"	1/4"	908
4"	4.5/8"	5/16"	909
4"	4.3/4"	3/8"	2478
4"	5"	1/2"	910
4"	5.1/2"	3/4"	J-6250-4000
4"	5.1/4"	5/8"	J-7500-4000
4"	6"	1"	J-10000-4000
4.1/8"	4.1/2"	3/16"	911
4.1/8"	4.5/8"	1/4"	912
4.1/8"	4.3/4"	5/16"	913
4.1/8"	4.7/8"	3/8"	914
4.1/4"	4.5/8"	3/16"	915
4.1/4"	4.3/4"	1/4"	916
4.1/4"	4.7/8"	5/16"	917
4.1/4"	5"	3/8"	918
4.1/4"	5.1/4"	1/2"	J-5000-4250
4.1/4"	5.1/2"	5/8"	J-6250-4250
4.3/8"	4.3/4"	3/16"	919
4.3/8"	4.7/8"	1/4"	920
4.3/8"	5"	5/16"	921
4.3/8"	5.1/8"	3/8"	922
4.1/2"	4.7/8"	3/16"	923
4.1/2"	5"	1/4"	924
4.1/2"	5.1/8"	5/16"	786
4.1/2"	5.1/4"	3/8"	925
4.1/2"	5.1/2"	1/2"	926
4.1/2"	5.3/4"	5/8"	J-6250-4500
4.1/2"	6"	3/4"	J-7500-4500
4.5/8"	5.1/8"	1/4"	927
4.5/8"	5.1/4"	5/16"	928
4.5/8"	5.3/8"	3/8"	929
4.3/4"	5.1/4"	1/4"	930
4.3/4"	5.3/8"	5/16"	931
4.3/4"	5.1/2"	3/8"	932
4.3/4"	5.3/4"	1/2"	4460
4.3/4"	6"	5/8"	J-6250-4750
4.3/4"	6.1/4"	3/4"	J-7500-4750
4.7/8"	5.3/8"	1/4"	933
4.7/8"	5.1/2"	5/16"	934
4.7/8"	5.5/8"	3/8"	2610
5"	5.1/2"	1/4"	935
5"	5.5/8"	5/16"	936
5"	5.3/4"	3/8"	3015
5"	6"	1/2"	937
5"	6.1/4"	5/8"	J-6250-5000
5"	6.1/2"	3/4"	J-7500-5000
5.1/8"	5.5/8"	1/4"	938
5.1/8"	5.3/4"	5/16"	4441
5.1/8"	5.7/8"	3/8"	939
5.1/4"	5.3/4"	1/4"	940
5.1/4"	5.7/8"	5/16"	941
5.1/4"	6"	3/8"	942
5.1/4"	6.1/4"	1/2"	4442
5.1/4"	6.1/2"	5/8"	J-6250-5250

5.1/4"	6.3/4"	3/4"	J-7500-5250
5.3/8"	5.7/8"	1/4"	943
5.3/8"	6"	5/16"	944
5.3/8"	6.1/8"	5/16"	J-3750-5375
5.1/2"	6"	1/4"	2186
5.1/2"	6.1/8"	5/16"	945
5.1/2"	6.1/4"	3/8"	946
5.1/2"	6.1/2"	1/2"	3017
5.1/2"	6.3/4"	5/8"	J-6250-5500
5.1/2"	7"	3/4"	J-7500-5500
5.5/8"	6.1/8"	1/4"	947
5.5/8"	6.1/4"	5/16"	J-3120-5625
5.5/8"	6.3/8"	3/8"	J-3750-5625
5.3/4"	6.1/4"	1/4"	1319
5.3/4"	6.3/8"	5/16"	1320
5.3/4"	6.1/2"	3/8"	948
5.3/4"	6.3/4"	1/2"	J-5000-5750
5.3/4"	7"	5/8"	J-6250-5750
5.3/4"	7.1/4"	3/4"	J-7500-5750
5.7/8"	6.3/8"	1/4"	949
5.7/8"	6.1/2"	5/16"	J-3120-5875
5.7/8"	6.5/8"	3/8"	J-3750-5875
6"	6.1/2"	1/4"	950
6"	6.5/8"	5/16"	J-3120-6000
6"	6.3/4"	3/8"	J-3750-6000
6"	7.1/2"	1/2"	2190
6"	7.1/4"	5/8"	J-6250-6000
6"	7.1/2"	3/4"	J-7500-6000
6.1/4"	6.3/4"	1/4"	952
6.1/4"	6.7/8"	5/16"	2721
6.1/4"	7"	3/8"	4052
6.1/4"	7.1/4"	1/2"	J-5000-6250
6.1/4"	7.1/2"	5/8"	J-6250-6250
6.1/4"	7.3/4"	3/4"	J-7500-6250
6.1/2"	7"	1/4"	953
6.1/2"	7.1/8"	5/16"	J-3120-6500
6.1/2"	7.1/4"	3/8"	7072
6.1/2"	7.1/2"	1/2"	2029
6.1/2"	7.3/4"	5/8"	J-6250-6500
6.1/2"	8"	3/4"	J-7500-6500
6.3/4"	7.1/4"	1/4"	954
6.3/4"	7.3/8"	5/16"	J-3120-6750
6.3/4"	7.1/2"	3/8"	7071
6.3/4"	7.3/4"	1/2"	J-5000-6750
6.3/4"	8"	5/8"	J-6250-6750
6.3/4"	8.1/4"	3/4"	J-7500-6750
7"	7.1/2"	1/4"	966
7"	7.5/8"	5/16"	J-3120-7000
7"	7.3/4"	3/8"	3592
7"	8"	1/2"	2188
7"	8.1/4"	5/8"	J-6250-7000
7"	8.1/2"	3/4"	J-7500-7000
7.1/4"	7.3/4"	1/4"	955
7.1/4"	7.7/8"	5/16"	J-3120-7250
7.1/4"	8"	3/8"	J-3750-7250
7.1/4"	8.1/4"	1/2"	956

7.1/4"	8.1/2"	5/8"	J-6250-7250
7.1/4"	8.3/4"	3/4"	J-7500-7250
7.1/2"	8"	1/4"	957
7.1/2"	8.1/2"	5/16"	6367
7.1/2"	8.1/4"	3/8"	J-3750-7500
7.1/2"	8.1/2"	1/2"	J-5000-7500
7.1/2"	8.3/4"	5/8"	J-6250-7500
7.1/2"	9"	3/4"	J-7500-7500
7.3/4"	8.1/4"	1/4"	958
7.3/4"	8.3/8"	5/16"	J-3120-7750
7.3/4"	8.1/2"	3/8"	J-3750-7750
7.3/4"	8.3/4"	1/2"	J-5000-7750
7.3/4"	9"	5/8"	J-6250-7750
7.3/4"	9.1/4"	3/4"	J-7500-7750
8"	8.1/2"	1/4"	959
8"	8.5/8"	5/16"	J-3120-8000
8"	8.3/4"	3/8"	J-3750-8000
8"	9"	1/2"	960
8"	9.1/4"	5/8"	J-6250-8000
8"	9.1/2"	3/4"	J-7500-8000
8.1/4"	8.3/4"	1/4"	961
8.1/4"	8.7/8"	5/16"	J-3120-8250
8.1/4"	9"	3/8"	4537
8.1/4"	9.1/4"	1/2"	J-5000-8250
8.1/4"	9.1/2"	5/8"	J-6250-8250
8.1/2"	9"	1/4"	962
8.1/2"	9.1/8"	5/16"	5480
8.1/2"	9.1/4"	3/8"	J-3750-8500
8.1/2"	9.1/2"	1/2"	J-5000-8500
8.1/2"	9.3/4"	5/8"	J-6250-8500
8.3/4"	9.1/4"	1/4"	963
8.3/4"	9.3/8"	5/16"	J-3120-8750
8.3/4"	9.1/2"	3/8"	J-3750-8750
8.3/4"	9.3/4"	1/2"	2857
8.3/4"	10"	5/8"	J-6250-8750
9"	9.1/2"	1/4"	964
9"	9.5/8"	5/16"	J-3120-9000
9"	9.3/4"	3/8"	J-3750-9000
9"	10"	1/2"	965
9"	10.1/4"	5/8"	J-6250-9000
9.1/4"	9.3/4"	1/4"	J-2500-9250
9.1/4"	9.7/8"	5/16"	J-3120-9250
9.1/4"	10"	3/8"	7177
9.1/4"	10.1/4"	1/2"	J-5000-9250
9.1/4"	10.1/2"	5/8"	J-6250-9250
9.1/2"	10"	1/4"	J-2500-9500
9.1/2"	10.1/2"	5/16"	J-3120-9500
9.1/2"	10.1/4"	3/8"	J-3750-9500
9.1/2"	10.1/2"	1/2"	J-5000-9500
9.1/2"	10.3/4"	5/8"	J-6250-9500
10"	11"	1/2"	J-5001-0000
11"	12"	1/2"	7315
11.3/16"	12.3/16"	1/2"	J-5001-1187