

API Casing Chart

Roller Cone and Fixed Cutter Bits

API Casing Dimensions

CASING SIZE OD IN.	CASING COUPLING OD IN.	NOMINAL WEIGHT LBS/FT	INSIDE DIAMETER ID IN.	API DRIFT ID IN.	ROLLER CONE BIT SIZE OD		FIXED CUTTER BIT SIZE OD	
					IN.	DEC	IN.	DEC
4-1/2	5.000	9.50	4.090	3.965	3-7/8	3.875	3-7/8	3.875
4.500	5.000	10.50	4.052	3.927	3-7/8	3.875	3-7/8	3.875
	5.000	11.60	4.000	3.875	3-7/8	3.875	3-7/8	3.875
	5.000	13.50	3.920	3.795	3-3/4	3.750	3-3/4	3.750
5	5.563	11.50	4.560	4.435	3-7/8	3.875	3-7/8	3.875
5.000	5.563	13.00	4.494	4.369	3-7/8	3.875	3-7/8	3.875
	5.563	15.00	4.408	4.283	3-7/8	3.875	3-7/8	3.875
	5.563	18.00	4.276	4.151	3-7/8	3.875	3-7/8	3.875
5-1/2	6.050	14.00	5.012	4.887	4-3/4	4.750	4-3/4	4.750
5.500	6.050	15.50	4.950	4.825	4-3/4	4.750	4-3/4	4.750
	6.050	17.00	4.892	4.767	4-3/4	4.750	4-3/4	4.750
	6.050	20.00	4.778	4.653	3-7/8	3.875	4-1/2	4.500
	6.050	23.00	4.670	4.545	3-7/8	3.875	4-1/2	4.500
6-5/8	7.390	20.00	6.049	5.924	5-7/8	5.875	5-7/8	5.875
6.625	7.390	24.00	5.921	5.796	4-3/4	4.750	4-3/4	4.750
	7.390	28.00	5.791	5.666	4-3/4	4.750	4-3/4	4.750
	7.390	32.00	5.675	5.550	4-3/4	4.750	4-3/4	4.750
7	7.656	17.00	6.538	6.413	6-1/4	6.250	6-1/4	6.250
7.000	7.656	20.00	6.456	6.331	6-1/4	6.250	6-1/4	6.250
	7.656	23.00	6.366	6.241	6-1/8	6.125	6-1/8	6.125
	7.656	26.00	6.276	6.151	6-1/8	6.125	6-1/8	6.125
	7.656	29.00	6.184	6.059	6	6.000	6	6.000
	7.656	32.00	6.094	5.969	5-7/8	5.875	5-7/8	5.875
	7.656	35.00	6.004	5.879	5-7/8	5.875	5-7/8	5.875
	7.656	38.00	5.920	5.795	4-3/4	4.750	4-3/4	4.750
7-5/8	8.500	20.00	7.125	7.000	6-3/4	6.750	6-3/4	6.750
7.625	8.500	24.00	7.025	6.900	6-3/4	6.750	6-3/4	6.750
	8.500	26.40	6.969	6.844	6-3/4	6.750	6-3/4	6.750
	8.500	29.70	6.875	6.750	6-3/4	6.750	6-3/4	6.750
	8.500	33.70	6.765	6.640	6-1/2	6.500	6-1/2	6.500
	8.500	39.00	6.625	6.500	6-1/2	6.500	6-1/2	6.500
8-5/8	9.625	24.00	8.097	7.972	7-7/8	7.875	7-7/8	7.875
8.625	9.625	28.00	8.017	7.892	7-7/8	7.875	7-7/8	7.875
	9.625	32.00	7.921	7.796	6-3/4	6.750	6-3/4	6.750
	9.625	36.00	7.825	7.700	6-3/4	6.750	6-3/4	6.750
	9.625	40.00	7.725	7.600	6-3/4	6.750	6-3/4	6.750
	9.625	44.00	7.625	7.500	6-3/4	6.750	6-3/4	6.750
	9.625	49.00	7.511	7.386	6-3/4	6.750	6-3/4	6.750

NOTE: Above information for API casing data, refer to Toolpusher's Manual or specific manufacturer's specifications.
For metric equivalents (millimeters), multiply the inches by 25.4.

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API Casing Dimensions (continued)

CASING SIZE OD IN.	CASING COUPLING OD IN.	NOMINAL WEIGHT LBS/FT	INSIDE DIAMETER ID IN.	API DRIFT ID IN.	ROLLER CONE BIT SIZE OD		FIXED CUTTER BIT SIZE OD	
					IN.	DEC	IN.	DEC
9-5/8	10.625	29.30	9.063	8.907	8-3/4	8.750	8-3¼4	8.750
9.625	10.625	32.30	9.001	8.845	8-3/4	8.750	8-3/4	8.750
	10.625	36.00	8.921	8.765	8-3/4	8.750	8-3/4	8.750
	10.625	40.00	8.835	8.679	8-1/2	8.500	8-1/2	8.500
	10.625	43.50	8.755	8.599	8-1/2	8.500	8-1/2	8.500
	10.625	47.00	8.681	8.525	8-1/2	8.500	8-1/2	8.500
	10.625	53.50	8.535	8.379	8-3/8	8.375	8-3/8	8.375
10-3/4	11.750	32.75	10.192	10.036	9-7/8	9.875	9-7/8	9.875
10.750	11.750	40.50	10.050	9.984	9-7/8	9.875	9-7/8	9.875
	11.750	45.50	9.950	9.794	9-1/2	9.500	9-1/2	9.500
	11.750	51.00	9.850	9.694	9-1/2	9.500	9-1/2	9.500
	11.750	55.50	9.760	9.604	9-1/2	9.500	9-1/2	9.500
	11.750	60.70	9.660	9.504	9-1/2	9.500	9-1/2	9.500
	11.750	65.70	9.560	9.404	8-3/4	8.750	8-3/4	8.750
11-3/4	12.750	42.00	11.084	10.928	10-5/8	10.625	10-5/8	10.625
11.750	12.750	47.00	11.000	10.844	10-5/8	10.625	10-5/8	10.625
	12.750	54.00	10.880	10.724	10-5/8	10.625	10-5/8	10.625
	12.750	60.00	10.772	10.616	9-7/8	9.875	9-7/8	9.875
13-3/8	14.375	48.00	12.715	12.559	12-1/4	12.250	12-1/4	12.250
13.375	14.375	54.50	12.615	12.459	12-1/4	12.250	12 1/4	12.250
	14.375	61.00	12.515	12.359	12-1/4	12.250	12-1/4	12.250
	14.375	68.00	12.415	12.259	12-1/4	12.250	12-1/4	12.250
	14.375	72.00	12.347	12.191	11	11.000	10-5/8	10.625
16	17.000	65.00	15.250	15.062	14-3/4	14.750	14-3/4	14.750
16.000	17.000	75.00	15.124	14.936	14-3/4	14.750	14-3/4	14.750
	17.000	84.00	15.010	14.822	14-3/4	14.750	14-3/4	14.750
18-5/8	20.000	87.50	17.755	17.567	17-1/2	17.500	17-1/2	17.500
18.625	-	-	-	-	-	-	-	-
20	21.000	94.00	19.124	18.936	17-1/2	17.500	17-1/2	17.500
20.000	21.000	106.50	19.000	18.812	17-1/2	17.500	17-1/2	17.500
	21.000	133.00	18.730	18.542	17-1/2	17.500	17-1/2	17.500
	21.000	169.00	18.376	18.188	17-1/2	17.500	17-1/2	17.500

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