

WIRE AND STANDARD GAGES



286 DRILL AND STEEL WIRE GAGE - HARDENED

61-80/.039-.0135"

This gage is for selecting the correct size of twist drills and steel drill rod in smaller sizes ranging from 61 to 80. For convenience, each hole is marked with the size number and the corresponding decimal equivalent. Attractive satin finish. Small compact size, approximately 1/16" thick, 3/4" wide and 2" long.

188 ENGLISH STANDARD WIRE GAGE - HARDENED

(BIRMINGHAM OR STUBS' IRON WIRE GAGE)
1-36/.300-.004"

This gage is popular for gaging iron wire, hot and cold rolled sheet steel, and in some cases, sheet iron by the English Standard Wire system also known as Birmingham or Stubs.

Gage has convenient decimal equivalents of each number on the reverse side. Satin finish.

281 AMERICAN STANDARD WIRE GAGE - HARDENED

(OR B.&S.) FOR NON-FERROUS METALS
0-36/.325-.005"

This gage is the generally accepted standard for non-ferrous metals as adopted by brass manufacturers. It is especially useful for electricians and others to gage sheet, plate and wire made of non-ferrous metals like copper, brass, aluminum, etc. Screw slotting cutters are also made to this gage.

Gage has decimal equivalents on the reverse side. Satin finish.

287 AMERICAN STEEL AND WIRE CO. GAGE (WASHBURN & MOEN) STANDARD 0-36/.3065-.009"

This gage is designed for gaging steel wire and drill rod to the American Steel & Wire Co. (Washburn & Moen) Standard and checks sizes from 0-36. (Also known as United States Steel Wire Gage.) Decimal equivalents are given on the back. Satin finish.

280 PIANO TUNERS' GAGE - HARDENED

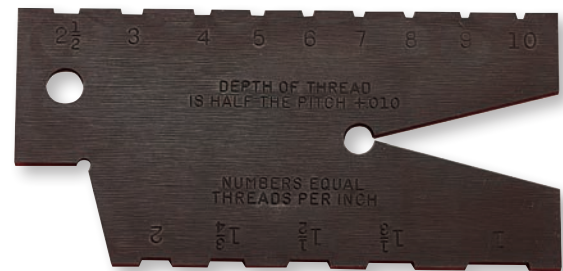
AMERICAN STEEL AND WIRE CO. STANDARD
12-28/.029-.071"

The 280 Gage is designed for gaging steel music wire and has a range from 12 to 28. Convenient decimal equivalents on reverse side. Diameter of the gage is 1-9/16" and it has a satin finish.



283 U.S. STANDARD GAGE - HARDENED SHEET, PLATE IRON AND STEEL GAGE 0-36/.3125-.007"

This gage is made to the United States Standard for uncoated sheet, plate iron and steel, and is based on weights in ounces per square foot. The gage has a satin finish and decimal equivalents on the reverse side.



284 ACME STANDARD SCREW THREAD GAGE - HARDENED

29°

This gage is a standard for grinding and setting tools when cutting Acme threads. Acme threads have the same depth as square threads but the sides of the threads are at an inclination of 14-1/2° (29° included angle). This form of thread is used extensively and has in many instances replaced the square thread in machine construction. The advantages of the Acme thread are its strength and the ease by which it can be cut compared with square threads. The angles and edges of this gage are hardened, ground and carefully tested.

In use, the angle on the thread cutting tool is checked on the large precision-ground V at the end of the gage. The tool is then ground on the end to the width of the slot of whatever pitch is being turned. It is then set in the lathe using the half angle.

NOTE: Like other Starrett gages, these tools are carefully tested for accuracy after hardening.

STANDARDS FOR SHEET AND WIRE GAGES WITH CORRESPONDING STARRETT GAGES



188



281



287



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Fixed Gages

Cat. No.	EDP	Description
286	51320	Drill and Steel Wire Gage
188	50678	English Standard Wire Gage
281	51316	American Standard Wire Gage
287	51321	American Steel & Wire Co. Steel Wire Gage
280	51315	Piano Tuners' Gage
283	51318	U.S. Standard Gauge
284	51319	Acme Standard Screw Thread Gage

Dimensions of Sizes in Decimal Parts of an Inch

Number of Wire Gage	281 American or Brown & Sharpe	188 245 Birmingham or Stubs' Iron Wire	287 Washburn & Moen, Worcester, MA*	280 American S. & W. Co's. Music Wire Gage	Stubs' Steel Wire	283 U.S. Standard Gauge for Sheet and Plate Iron and Steel
00000000	.731429					
0000000	.651356					
0000000	.580049			.004		.46875
000000	.516549			.005		.4375
0000	.460000	.454	.3938	.006		.40625
000	.409642	.425	.3625	.007		.375
00	.364797	.380	.3310	.008		.34375
0	.324861	.340	.3065	.009		.3125
1	.289279	.300	.2830	.010	.227	.28125
2	.257626	.284	.2625	.011	.219	.265625
3	.229423	.259	.2437	.012	.212	.250
4	.204307	.238	.2253	.013	.207	.234375
5	.181941	.220	.2070	.014	.204	.21875
6	.162023	.203	.1920	.016	.201	.203125
7	.144285	.180	.1770	.018	.199	.1875
8	.128490	.165	.1620	.020	.197	.171875
9	.114424	.148	.1483	.022	.194	.15625
10	.101897	.134	.1350	.024	.191	.140625
11	.090742	.120	.1205	.026	.188	.125
12	.080808	.109	.1055	.029	.185	.109375
13	.071962	.095	.0915	.031	.182	.09375
14	.064084	.083	.0800	.033	.180	.078125
15	.057068	.072	.0720	.035	.178	.0703125
16	.050821	.065	.0625	.037	.175	.0625
17	.045257	.058	.0540	.039	.172	.05625
18	.040303	.049	.0475	.041	.168	.050
19	.035891	.042	.0410	.043	.164	.04375
20	.031961	.035	.0348	.045	.161	.0375
21	.028462	.032	.03175	.047	.157	.034375
22	.025347	.028	.0286	.049	.155	.03125
23	.022572	.025	.0258	.051	.153	.028125
24	.020101	.022	.0230	.055	.151	.025
25	.017900	.020	.0204	.059	.148	.021875
26	.015941	.018	.0181	.063	.146	.01875
27	.014196	.016	.0173	.067	.143	.0171875
28	.012641	.014	.0162	.071	.139	.015625
29	.011258	.013	.0150	.075	.134	.0140625
30	.010025	.012	.0140	.080	.127	.0125
31	.008928	.010	.0132	.085	.120	.0109375
32	.007950	.009	.0128	.090	.115	.01015625
33	.007080	.008	.0118	.095	.112	.009375
34	.006305	.007	.0104		.110	.00859375
35	.005615	.005	.0095		.108	.0078125
36	.005000	.004	.0090		.106	.00703125
37	.004453				.103	.006640625
38	.003965				.101	.00625
39	.003531				.099	
40	.003145				.097	

* Also called the U.S. Steel Wire Gage

