

DELTRONIC Thread Wires

CONFORM TO THREAD WIRE STANDARDS

Deltronic Thread Wires are certified to meet or exceed requirements of the ANSI/ASME B89.1.17, B1.2, B1.16, B1.5, B1.8 thread standard as well as Federal Spec. GGG-W-366b and meet anticipated ISO Standard as well.

TOLERANCE

Commonality, three wires within each set are within 5 millionths (.000,005"), .00031mm of calibrated size; Set Diameter is within 20 millionths (.000,020"), .0005mm of "best" wire size and calibrated to the nearest 10 millionths (.000,010"), .00025mm of the exact size: Roundness is within 10 millionths (.000,010"), .00025mm; Surface Finish is better than 2 microinches AA, lapped; Hardness, Rc 62-64 stabilized; Straightness of the central 1/2 inch of the wire's length is within 10 millionths (.000,010"), .00025mm maximum deviation.

INCH AND METRIC



WIRE SET PACKAGING

Each set of 3 wires is contained in a screw-top vial. The vial is packaged in a hinged-lid box which is labeled to show pitch and Calibrated Wire Size. The Calibrated Wire Size is also shown on the Certification of Accuracy contained in each set box.

ACME AND BUTTRESS WIRES

Best Wire Sizes are in stock for 29" Acme and 7°/45° Buttress Thread Checking. Certification and tolerances match those of Deltronic's standard 60° thread wires.

These three wire sets are packaged in the vials within labeled boxes the same as all other Deltronic thread and gear wires.

ACME WIRES			BUTTRESS WIRES 3-wire sets are twice the price of ACME.
PITCH	DIAMETER	3-WIRE SETS PRICE/SET	
1	.51645"	75.60	
1 1/3	.38734"	75.60	
1 1/2	.34430"	75.60	
1 3/4	.29511"	75.60	
2	.25823"	75.60	
2 1/2	.20658"	75.60	
3	.17215"	75.60	
3 1/2	.14756"	60.40	
4	.12911"	60.40	
4 1/2	.11477"	60.40	
5	.10329"	60.40	
5 1/2	.09390"	60.40	
6	.08608"	60.40	
7	.07378"	60.40	
8	.06456"	60.40	
9	.05738"	60.40	
10	.05164"	60.40	
11	.04695"	60.40	
12	.04304"	60.40	
14	.03689"	60.40	
16	.03228"	60.40	
18	.02869"	60.40	
20	.02582"	60.40	

THREAD WIRE 3-WIRE SETS			
When ordering, specify "threads per inch"			
THREADS PER INCH	NOMINAL DIAMETER	LENGTH	PRICE/SET
120	.00481	1 7/8"	65.60
100	.00577	1 7/8"	65.60
96	.00601	1 7/8"	65.60
90	.00642	1 7/8"	65.60
80	.00722	1 7/8"	65.60
72	.00802	1 7/8"	65.60
64	.00902	1 7/8"	65.60
56	.01031	1 7/8"	65.60
50	.01155	1 7/8"	65.60
48	.01203	1 7/8"	40.40
44	.01312	1 7/8"	40.40
40	.01443	1 7/8"	40.40
36	.01604	1 7/8"	40.40
32	.01804	1 7/8"	40.40
30	.01925	1 7/8"	40.40
28	.02062	1 7/8"	40.40
27	.02138	1 7/8"	40.40
26	.02221	1 7/8"	40.40
24	.02406	1 7/8"	40.40
22	.02624	2 1/4"	40.40
20	.02887	2 1/4"	40.40
18	.03208	2 1/4"	40.40
16	.03608	2 1/4"	40.40
14	.04124	2 1/4"	40.40
13	.04441	2 1/4"	40.40
12	.04811	2 1/4"	40.40
11 1/2	.05020	2 1/4"	40.40
11	.05249	2 1/4"	40.40
10	.05774	2 1/4"	40.40
9	.06415	2 1/4"	40.40
8	.07217	2 1/4"	40.40
7 1/2	.07698	2 1/4"	40.40
7	.08248	2 1/4"	40.40
6	.09623	2 1/4"	40.40
5 1/2	.10497	2 1/4"	65.60
5	.11547	2 1/2"	65.60
4 1/2	.12830	2 1/2"	65.60
4	.14434	2 1/2"	65.60
3 1/2	.16496	2 1/2"	65.60
3 1/4	.17765	2 1/2"	65.60
3	.19245	2 1/2"	65.60
2 1/2	.20955	2 1/2"	65.60
2 1/4	.23094	2 1/2"	65.60
2	.28868	2 1/2"	65.60

METRIC THREAD WIRE SIZES			
PITCH (MM) (ORDER BY PITCH)	BEST WIRE SIZE		PRICE (PER SET)
	MM	INCH EQUIVALENT	
.20	.1155	.00455	65.60
.225	.1299	.00511	65.60
.25	.1443	.00568	65.60
.30	.1732	.00682	65.60
.35	.2021	.00796	65.60
.40	.2309	.00909	65.60
.45	.2598	.01023	65.60
.50	.2887	.01137	65.60
.55	.3175	.01250	65.60
.60	.3464	.01364	65.60
.70	.4041	.01591	65.60
.75	.4330	.01705	40.40
.80	.4619	.01818	40.40
.85	.4907	.01932	40.40
.90	.5196	.02046	40.40
1.00	.5774	.02273	40.40
1.25	.7217	.02841	40.40
1.50	.8660	.03410	40.40
1.75	1.0104	.03978	40.40
2.00	1.1547	.04546	40.40
2.50	1.4434	.05683	40.40
3.00	1.7321	.06819	40.40
3.50	2.0207	.07956	40.40
4.00	2.3094	.09092	40.40
4.50	2.5981	.10229	40.40
5.00	2.8868	.11365	65.00
5.50	3.1754	.12502	65.00
6.00	3.4641	.13638	65.00
7.00	4.0415	.15911	65.00
8.00	4.6188	.18184	65.00
9.00	5.1962	.20457	65.00
10.00	5.7735	.22730	65.00

LIBRARIES

Deltronic Thread Wire Libraries assure in-plant availability of "best size" wires the moment you need them. These new Libraries encourage use of the correct three wire method for determining pitch diameter for close tolerance threaded parts and for certification of thread plug gages quickly. Organized in a FREE wooden Gage-Carry Case, Libraries are easily and safely transported. (See illustration and listing above)

TW23L ACME THREAD WIRE LIBRARY \$1,496.40
Contains 23, 3-Wire Sets (1-20 listed above)
Packaged in a wood Carry Case.



METRIC THREAD-WIRE LIBRARY

TW28M-L \$1,481.80
Contains 28, 3 Wire-Sets (.35mm-10.0mm, see standard sizes listed at left) packaged in a FREE wooden Gage-Carry Case.

MASTER LIBRARIES

All Thread Wire Libraries are available as "Master Libraries" (i.e., used to calibrate "working" wire sets by simple comparison techniques). Master Libraries include only one wire per pitch, calibrated to the sixth (one millionth) decimal place and including traceability — NIST test number. Master Thread Wire Libraries include Gage-Carry Cases.

TW20-L LIBRARY \$806.40
Contains 20, 3-wire sets (sets 6 - 36 listed above, except 7 1/2 and 11 1/2 threads per inch) packaged in a Gage-Carry Case.

TW34-L LIBRARY \$1,597.60
Contains 34, 3-wire sets (sets 4 - 80 listed above, except 7 1/2 and 11 1/2 threads per inch) packaged in a Gage-Carry Case.