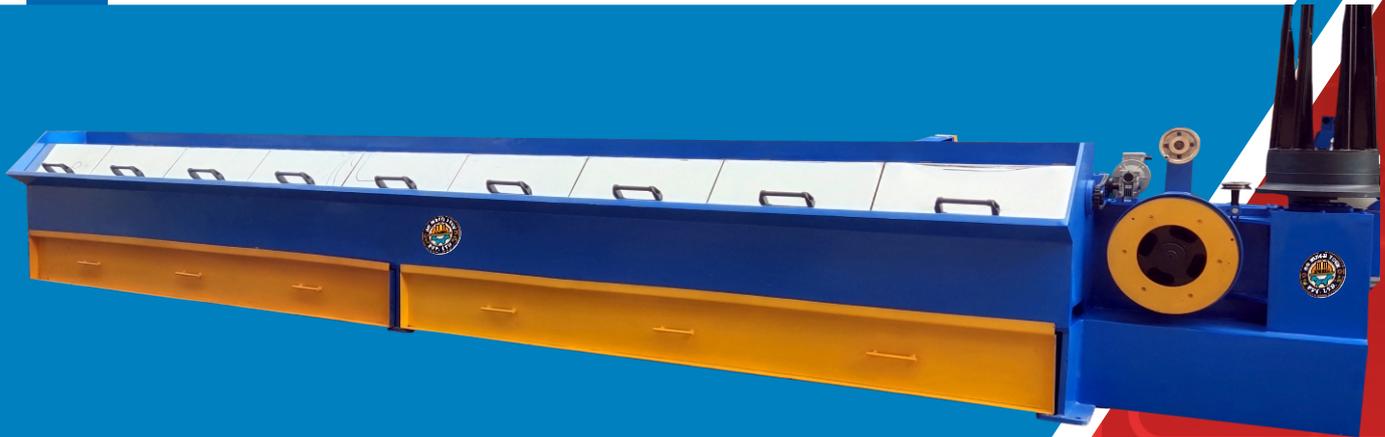




DG MECH TECH PVT. LTD.



OUR PRODUCTS

- Rod Break Down Machine
- Wet Wire Drawing Machine
- Fine Wire Drawing Machine
- Dead Block Coilers
- Pneumatik Spooler
- Pot Furnaces
- Off-Line Annealer
- Pay-Off Stand
- Accessories

WE REFLECT
Our Commitment
To **QUALITY**





About Us

Welcome to DG Mech Tech Pvt. Ltd., previously known as Sai Engineering Works. We changed our name to reflect our growth and commitment to innovation in mechanical machinery. With over 14 years of experience, we strive to deliver the highest quality and cutting-edge solutions for our clients. Our mission is to achieve excellence through dedication, expertise, and attention to detail.

We specialize in machinery and are dedicated to delivering value to our customers while contributing to a sustainable future. Our team of professionals is passionate about driving success and fostering long-lasting partnerships.

Headquartered in Bhiwadi, we serve clients globally, with a reputation for innovation, integrity, and quality at the core of everything we do.



DHARMENDRA GUPTA

Managing Director

With a steadfast commitment to manufacturing high-quality products, a competitive pricing structure, and reliable business punctuality, we have established our firm as a respected manufacturer and supplier of wire and cable machinery in India.



Vision & Mission

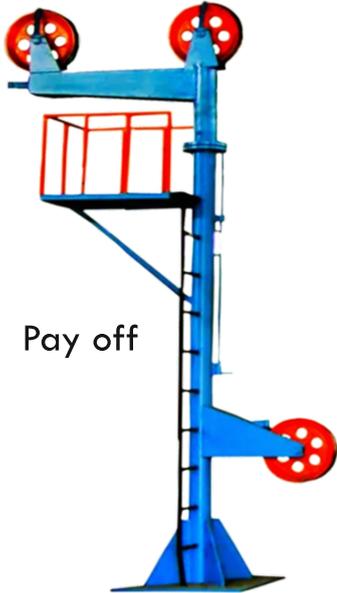
Our mission is to manufacture and continuously improve quality products at competitive prices while promoting an environment where sustainable technologies can flourish. We are dedicated to serving our customers with the highest level of integrity, ensuring their complete satisfaction.





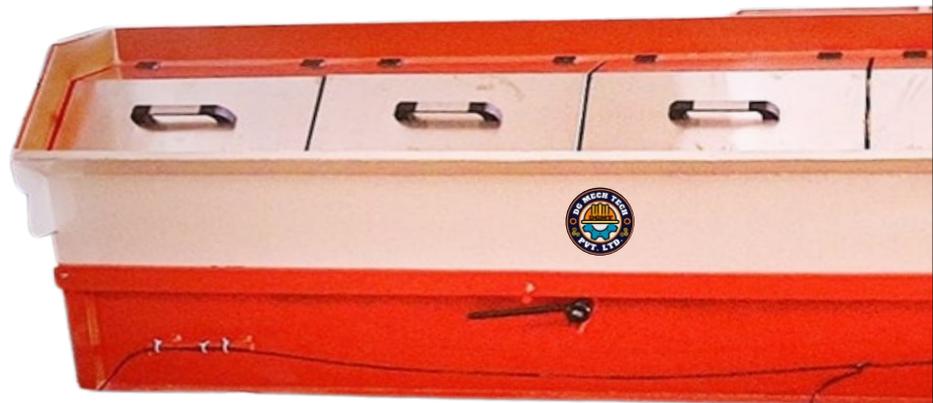
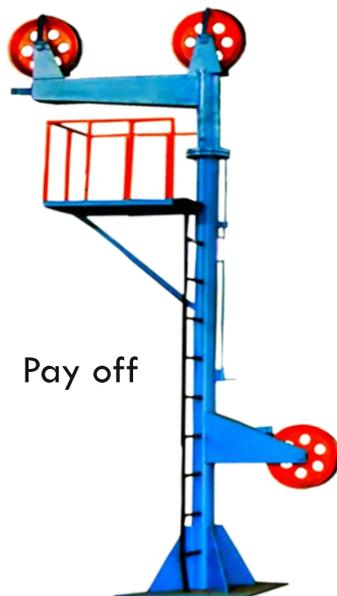
ROD BREAK DOWN MACHINE FOUR SPINDLE (Stepped Cone Type)

For Aluminium & Copper Wire



Specifications

Model No.	DGMT 317/17/15/13	Model No.	DGMT 317/17/15/13
Inlet (Copper)	8.0mm	Inlet (Aluminium)	9.45mm
Outlet	0.95/1.17/1.52mm	Outlet	1.22/1.58/2.04mm



Custom-built machines manufactured according to the buyer's specific requirements and specifications



Features:

- **Digital Motor Control:** Digital control for motors allows for computer operation.
- **Lubrication:** Transmission gears and bearings are enforced with lubricant.
- **Single Spooler:** Single spooler for wire winding.
- **Dust Removal:** Air filter and magnetic system remove dust from the machine gear.
- **Automatic Die Size Setting:** The final die size is set automatically through the PLC and displayed on the monitor.
- **Speed:** Speed options of 7-10 m/s are available based on customer requirements and size is also matter for running speed.
- **Synchronized Drawing & Capstan:** The drawing and final capstan motors operate synchronously and automatically.
- **Wire Drawing Process Monitoring:** Details about the wire drawing process are displayed on the monitor for improved efficiency.
- **Single Spooler:** Single spooler for wire winding.
- The machine will stop automatically while running if the wire will break.
- The production machine will halt automatically once the specified meter reading is achieved.





INTERMEDIATE FOUR SPINDLE TYPE (11/13 Dies)

For Aluminium & Copper Wire

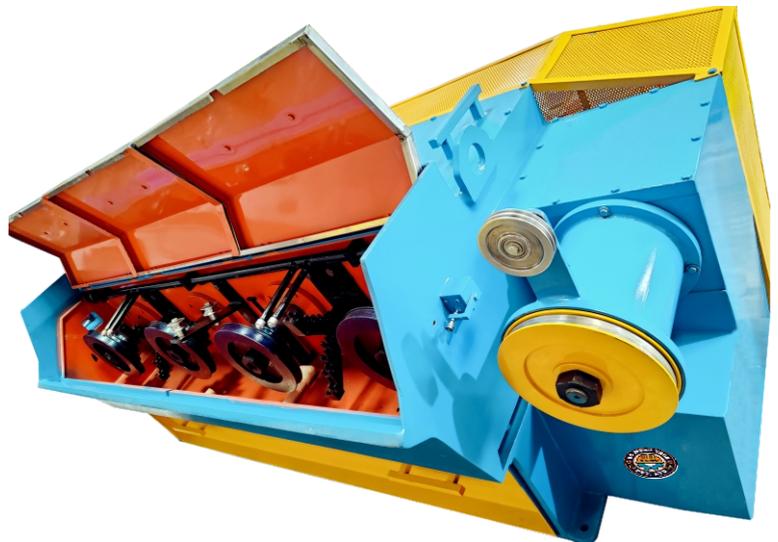


Features:

- Like second copper
- Super D-zero-commercial copper.
- The machine for lower reduction & die.
- Machine will stop automatically if wire will break while on running time.
- The production machine will halt automatically once the specified meter reading is achieved.
- Machine will stop automatically if wire will break while on running time.

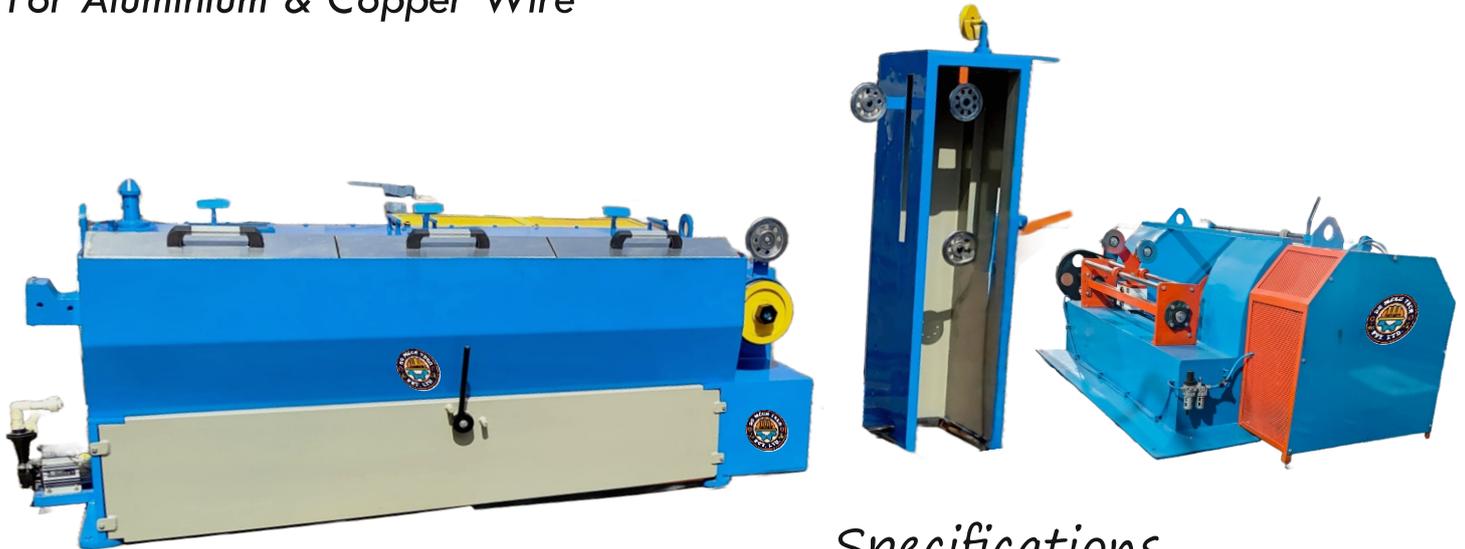
Specifications

Model No.	DGMT 313/11/13
Inlet	6.00mm
Outlet	1.6/1.25mm
Inlet	5.38mm
Outlet	1.42/1.15mm



INTERMEDIATE FOUR SPINDLE TYPE (13/15/17 Dies)

For Aluminium & Copper Wire



Specifications

		Inlet	Outlet
13 Dies	1	5.00mm	1.00mm
	2	4.00mm	0.800mm
15 Dies	1	5.00mm	0.810mm
	2	4.00mm	0.600mm
17 Dies	1	5.00mm	0.630mm
	2	4.00mm	0.500mm

INTERMEDIATE TWO SPINDLE TYPE (11/13 Dies)

For Aluminium & Copper Wire

Specifications

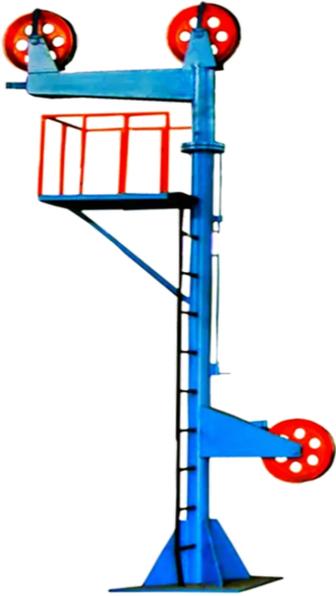
		Inlet	Outlet
11 Dies	1	3.200mm	0.850mm
	2	2.65mm	0.700mm
13 Dies	1	2.65mm	0.550mm
	2	2.00mm	0.400mm
		1.60mm	0.350mm





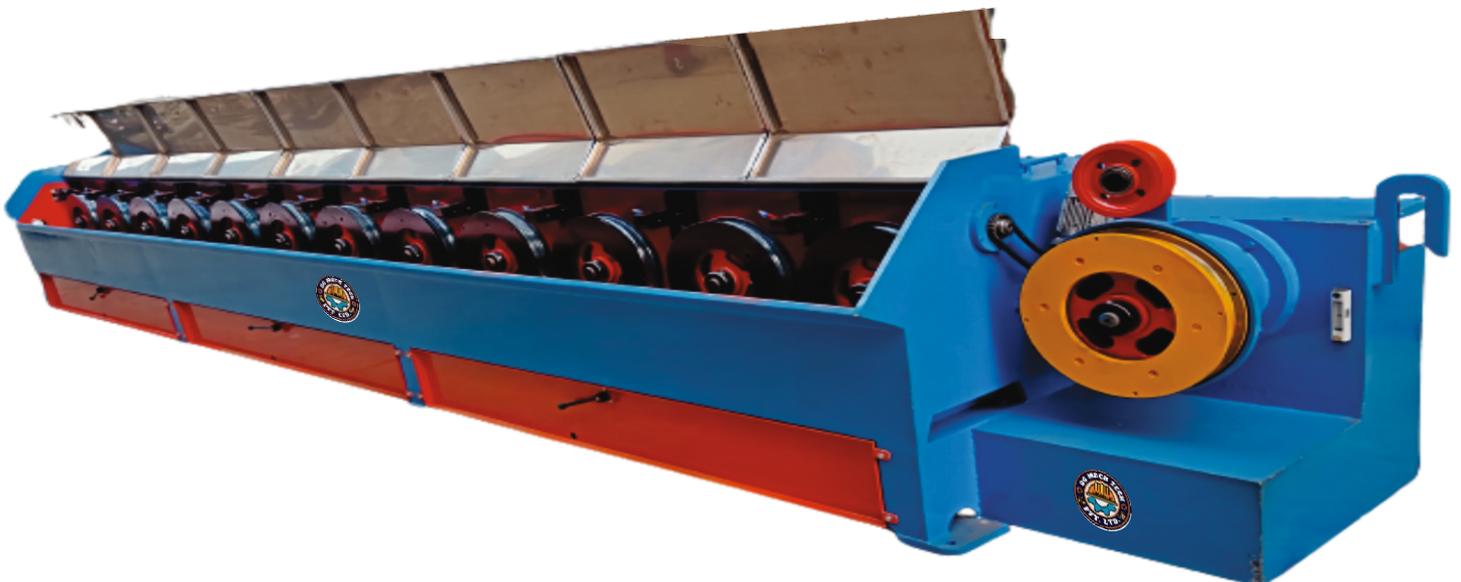
ROD BREAK DOWN MACHINE

For Aluminium & Copper Wire



Specifications

For Copper Wire	DGMT 314/8	DGMT 314/9	DGMT 314/10	DGMT 314/11	DGMT 314/12	DGMT 314/13
Inlet Size	8.00mm	8.00mm	8.00mm	8.00mm	8.00mm	8.00mm
Outlet Size	2.73mm	2.390mm	2.050mm	1.830mm	1.600mm	1.40mm
For Aluminium Wire						
Outlet Size	9.450mm	9.450mm	9.450mm	9.450mm	9.450mm	9.450mm
Inlet Size	3.23mm	2.83mm	2.40mm	2.160mm	1.890mm	1.65mm



Features:

- The driving motors of drawing & final capstan will synchronously automatically.
- Digital control for motor are available for computer operation.
- Details regarding your wire drawing process can be shown on monitor for more efficiency.
- Transmission gears and bearings are enforced lubricant.
- Ring type drawing capstans for convenient maintenance and replacement.
- Speed: Speed options of 12-20 m/ s are available based on customer requirements and size is also matter for running speed.
- Energy-Efficient Operation:-Uses energy-efficient components and drives. Reduces operating costs and environmental impact.
- Dust Protection:- Air filters and a magnetic system keep the machine clean and dust-free.
- The production machine will halt automatically once the specified meter reading is achieved.
- Machine will stop automatically if wire will break while on running time.



Benefits:

- Increased Efficiency: Automation and rapid die change reduce downtime and improve productivity.
- Improved Precision: Digital control ensures accurate wire drawing.
- Reduced Maintenance: Lubrication and easy-to-maintain components minimize downtime.
- Enhanced Durability: Dust protection prolongs the machine's lifespan.
- Versatility: Customization options cater to various wire drawing needs.





FINE WIRE DRAWING MACHINE (24/26/28 Dies)

For Aluminium & Copper Wire

Specifications



DGMT-24/26/28	
Inlet Size	Outlet Size
1.62mm	0.350 to 0.180mm
1.20mm	0.300 to 0.160mm
0.80mm	0.150 to 0.080mm



DROP COILER

Capacity:
500kg, 1200kg, 1800kg



SPOOLER

DIN: 630mm, 500mm, 400mm



DOUBLE SPOOLER

PND 300mm



DIE THREADING CUM POINTING MACHINE

For Aluminium & Copper Wire



ROTOR DYNAMIC BALANCING

We check the balance of our machine parts using a balancing machine to ensure they operate smoothly and efficiently. This process involves placing the part on the machine, which spins it to detect any imbalances. Sensors measure vibrations, and the machine provides data on the location and degree of imbalance. By making necessary adjustments-like adding or removing weights-we can achieve proper balance, reducing wear and tear, minimizing vibrations, and improving overall performance. Regular checks on the balancing machine help maintain the reliability and longevity of our equipment.



OFF-LINE ANEALAR MACHINE

For Copper Wire



Model No.	DGMT 06/12	DGMT 48/40/36/24	DGMT 48/40/36/24	DGMT 48/40/36/24
Size	0.600 to 0.400mm	0.400-0 to 300mm	0.350 to 0.200mm	0.200 to 0.100mm
Bobbin Capacity	150kg to 50kg	50kg to 25kg	25kg to 15/7kg	7kg to 5/1kg





Pay-off stand DIN 400 mm





OUR SPARE PARTS



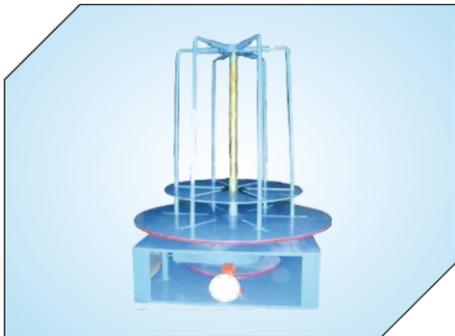
Fine Wire Spool



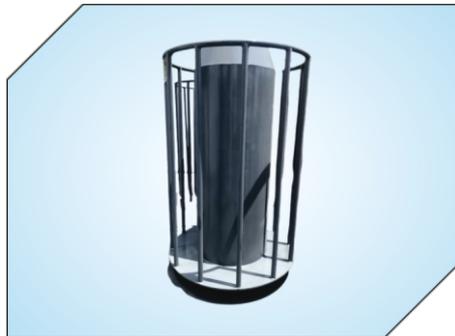
630 Wire Spool



Flyer



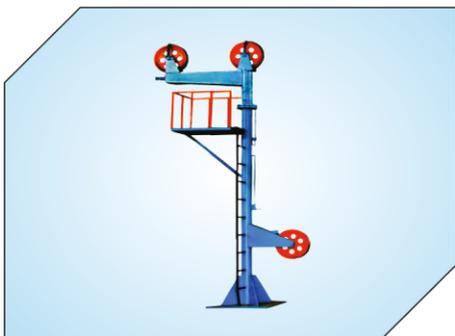
**Wire Rewinding
Pay off Vertical**



**Drop Coiler
Basket**



**Pay off
Pintle Type**



RBD Pay off



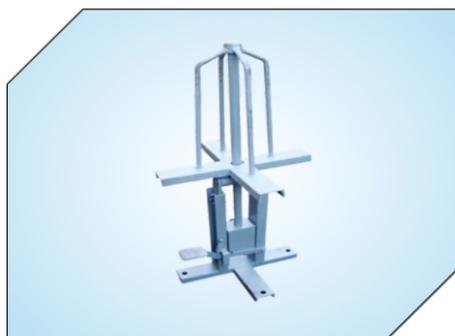
Take up Dancer Wire



Pneumatik Brake



Striper



Coil Binding



D-Scale

CONVERSION TABLE

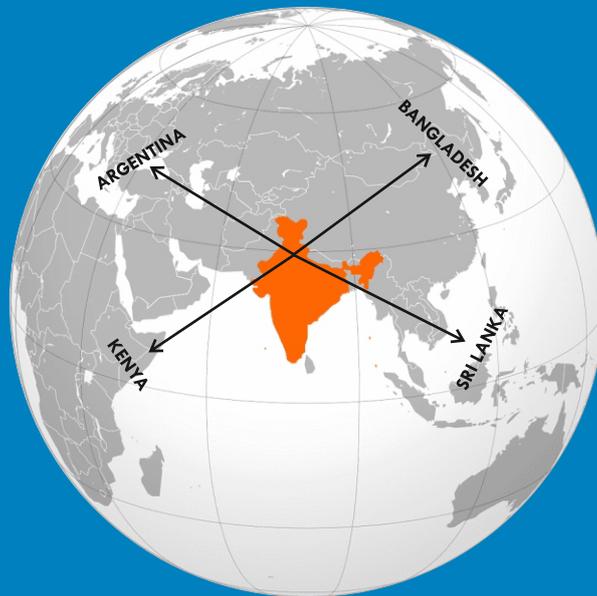
S.W.G	MM	INCHES	S.W.G	MM	INCHES
7/0	12.700	0.500	12.25	2.566	0.10100
6/0	11.786	0.464	12.50	2.490	0.09800
5/0	10.160	0.432	12.75	2.413	0.09500
4/0	10.160	0.400	13.00	2.337	0.09200
3/0	9.449	0.372	13.25	2.261	0.08900
2/0	8.839	0.348	13.50	2.185	0.08600
1/0	8.230	0.324	13.75	2.108	0.08300
1.00	7.620	0.30000	14.00	2.032	0.08000
1.25	7.468	0.29400	14.25	1.982	0.07800
1.50	7.315	0.28800	14.50	1.932	0.07600
1.75	7.163	0.28200	14.75	1.879	0.07400
2.00	7.010	0.27600	15.00	1.829	0.07200
2.25	6.859	0.27000	15.25	1.778	0.07000
2.50	6.705	0.26400	15.50	1.727	0.06800
2.75	6.553	0.25800	15.75	1.676	0.06600
3.00	6.401	0.25200	16.00	1.626	0.06400
3.25	5.274	0.24700	16.25	1.575	0.06200
3.50	6.147	0.24200	16.50	1.524	0.06000
3.75	6.020	0.23700	16.75	1.437	0.05800
4.00	5.893	0.23200	17.00	1.422	0.05600
4.25	5.766	0.22700	17.25	1.371	0.05400
4.50	5.639	0.22200	17.50	1.320	0.05200
4.75	5.512	0.21700	17.75	1.269	0.05000
5.00	5.385	0.21200	18.00	1.219	0.04800
5.25	5.258	0.20700	18.25	1.167	0.04600
5.50	5.131	0.20200	18.50	1.117	0.04400
5.75	5.004	0.19700	18.75	1.066	0.04200
6.00	4.887	0.19200	19.00	1.016	0.04000
6.25	4.775	0.18800	19.25	0.991	0.03900
6.50	4.674	0.18400	19.50	0.965	0.03800
6.75	4.572	0.18000	19.75	0.939	0.03700
7.00	4.470	0.17600	20.00	0.914	0.03600
7.25	4.639	0.17200	20.25	0.889	0.03500
7.50	4.267	0.16800	20.50	0.864	0.03400
7.75	4.166	0.16400	20.75	0.383	0.03300
8.00	4.064	0.16000	21.00	0.813	0.03200
8.25	3.962	0.15600	21.25	0.788	0.03100
8.50	3.861	0.15200	21.50	0.762	0.03000
8.75	3.760*	0.14800	21.75	0.737	0.02900
9.00	3.658	0.14400	22.00	0.711	0.02800
9.25	3.556	0.14000	22.25	0.686	0.02700
9.50	3.454	0.13600	22.50	0.660	0.02600
9.75	3.353	0.13200	22.75	0.635	0.02500
10.00	3.251	0.12800	23.00	0.610	0.02400
10.25	3.175	0.12500	23.25	0.597	0.02350
10.50	3.094	0.12200	23.50	0.584	0.02300
10.75	3.023	0.11900	23.75	0.571	0.02250
11.00	2.946	0.11600	24.00	0.559	0.02200
11.25	2.871	0.11300	24.25	0.546	0.02150
11.50	2.794	0.11000	24.50	0.533	0.02100
11.75	2.781	0.10700	24.75	0.520	0.02050
12.00	2.642	0.10400	25.00	0.508	0.02000

CONVERSION TABLE

S.W.G	MM	INCHES	S.W.G	MM	INCHES
25.25	0.493	0.01950	38.25	0.147	0.00580
25.50	0.482	0.01900	38.50	0.142	0.00560
25.75	0.469	0.01850	38.75	0.137	0.00540
26.00	0.457	0.01800	39.00	0.132	0.00520
26.25	0.447	0.01760	39.25	0.129	0.00510
26.50	0.437	0.01720	39.50	0.126	0.00500
26.75	0.427	0.01680	39.75	0.124	0.00490
27.00	0.417	0.01640	40.00	0.122	0.00480
27.25	0.407	0.01600	40.25	0.119	0.00470
27.50	0.397	0.01560	40.50	0.117	0.00460
27.75	0.386	0.01520	40.75	0.114	0.00450
28.00	0.376	0.01480	41.00	0.112	0.00450
28.25	0.368	0.01450	41.25	0.109	0.00440
28.50	0.360	0.01420	41.50	0.107	0.00420
28.75	0.352	0.01390	41.75	0.104	0.00410
29.00	0.345	0.01360	42.00	0.102	0.00400
29.25	0.337	0.01330	42.25	0.099	0.00390
29.50	0.329	0.01300	42.50	0.097	0.00380
29.75	0.322	0.01270	42.75	0.094	0.00370
30.00	0.315	0.01240	43.00	0.091	0.00360
30.25	0.310	0.01220	43.25	0.089	0.00350
30.50	0.305	0.01200	43.50	0.086	0.00340
30.75	0.300	0.01180	43.75	0.084	0.00330
31.00	0.295	0.01160	44.00	0.081	0.00320
31.25	0.290	0.01140	44.25	0.079	0.00310
31.50	0.285	0.01120	44.50	0.076	0.00300
31.75	0.279	0.01100	44.75	0.074	0.00290
32.00	0.274	0.01080	45.00	0.071	0.00280
32.25	0.269	0.01060	45.25	0.069	0.00270
32.50	0.264	0.01040	45.50	0.065	0.00260
32.75	0.259	0.01020	45.75	0.063	0.00250
33.00	0.254	0.01000	46.00	0.061	0.00240
33.25	0.249	0.00980	46.25	0.059	0.00230
33.50	0.244	0.00960	46.50	0.056	0.00220
33.75	0.239	0.00940	46.75	0.054	0.00210
34.00	0.234	0.00920	47.00	0.051	0.00200
34.25	0.229	0.00900	47.25	0.049	0.00190
34.50	0.224	0.00880	47.50	0.046	0.00180
34.75	0.218	0.00860	47.75	0.044	0.00170
35.00	0.213	0.00840	48.00	0.041	0.00160
35.25	0.208	0.00820	48.25	0.038	0.00150
35.50	0.203	0.00800	48.50	0.035	0.00140
35.75	0.198	0.00780	48.75	0.032	0.00130
36.00	0.193	0.00760	49.00	0.030	0.00120
36.25	0.188	0.00740	49.25	0.028	0.00115
36.50	0.183	0.00720	49.50	0.027	0.00110
36.75	0.178	0.00700	49.75	0.026	0.00105
37.00	0.173	0.00680	50.00	0.025	0.00100
37.25	0.168	0.00660	50.25		
37.50	0.163	0.00640	50.50		
37.75	0.157	0.00620	50.75		
38.00	0.152	0.00600	50.00		



Our World Wide Clients



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