



REMFORM®

THREAD-FORMING FASTENERS FOR PLASTICS AND LIGHT ALLOYS

REFORM® fasteners help lower the cost of assembly in engineered plastic materials. By eliminating weight while providing the requisite fastening performance, REMFORM® fasteners create value for designers, manufacturers and end users.

REMFORM® fasteners combine a thread form that promotes efficient material flow during thread-forming while also creating exceptional resistance to pullout forces. REMFORM® fasteners' ability to create high quality internal threads while minimizing the risk of boss bursting in the assembly process makes them an excellent thread-forming fastener.



FEATURES

- ▶ The original REMFORM® screw first featured the unique asymmetrical thread profile that minimizes radial hoop stress to reduce boss bursting
- ▶ The narrow tip angle also reduces stress in the plastic nut member

BENEFITS

- ▶ Reduced hoop stress
- ▶ Optimal material flow
- ▶ Easy assembly

IDEAL APPLICATIONS

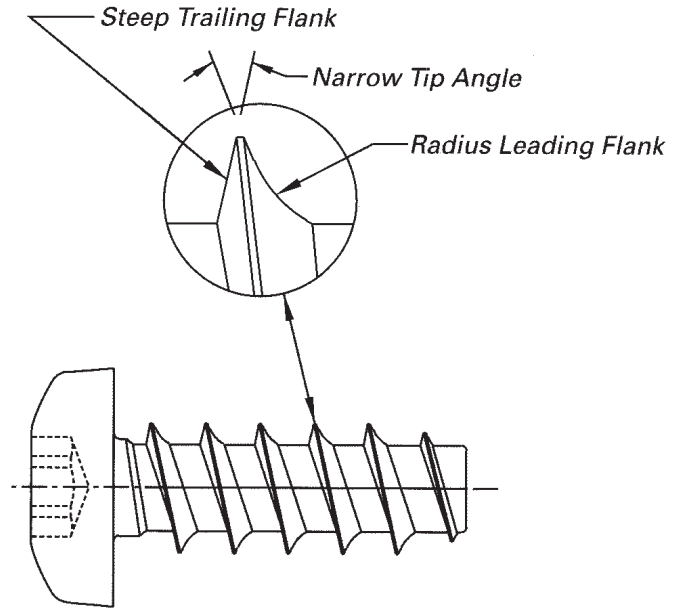
- ▶ Automotive
- ▶ Toys
- ▶ Furniture
- ▶ Cell phones
- ▶ Fitness equipment
- ▶ Printers and photocopiers





SCREW DIMENSIONS

The radius thread flank of the REMFORM® screw thread minimizes radial forces during thread forming, resulting in low thread forming torque. The asymmetrical thread form of the REMFORM® fastener produces asymmetrical opposing resultant forces off the thread flanks during thread forming, creating improved material flow. The picture to the left shows the material flow towards the thread root which results in greater material contact along the pressure flank of the fastener, increasing resistance to stripping. The reduced contact along the leading flank reduces friction during thread forming and lowers the thread forming torque.



METRIC SIZES (MM)

SCREW SIZE	PINCH (MM)	MAJOR DIA. MAX.	MINOR DIA. MIN.	MINOR DIA. MIN.
1.0	0.55	1.05	1.00	0.65
1.2	0.65	1.25	1.20	0.75
1.4	0.75	1.45	1.40	0.85
1.6	0.85	1.70	1.60	0.96
1.8	0.85	1.90	1.80	1.16
2.0	1.00	2.10	2.00	1.17
2.5	1.15	2.60	2.50	1.48
3.0	1.35	3.10	3.00	1.90
3.5	1.55	3.60	3.50	2.22
4.0	1.75	4.10	4.00	2.55
4.5	2.00	4.60	4.50	2.87
5.0	2.25	5.15	5.00	3.19
6.0	2.65	6.15	6.00	3.84
7.0	3.10	7.15	7.00	4.48
8.0	3.10	8.15	8.00	5.12
10.0	4.50	10.15	10.00	6.40

INCH SIZES (IN)

SCREW SIZE	PINCH (TPI)	MAJOR DIA. MAX.	MINOR DIA. MIN.	MINOR DIA. MIN.
2	20	0.088	0.084	0.049
4	18	0.114	0.110	0.066
6	16	0.139	0.135	0.084
8	15	0.167	0.161	0.100
10	13	0.193	0.187	0.122
12	11	0.218	0.212	0.144
1/4	10	0.253	0.247	0.157
5/16	8	0.316	0.309	0.195

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