

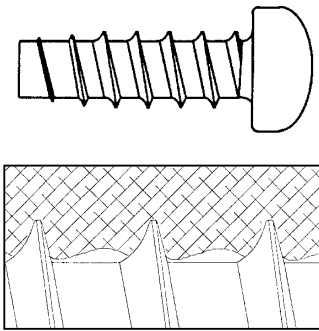
# PR-screw REMFORM®

The PR-screw is a thread shaping screw with a unique thread shape especially designed for the great variety of today's thermoplastic materials.

The same principals that make the PR-screw perfect for structural plastics makes it just as suitable for other ductile materials, like for example wood and soft metals.

Table 71 Thread dimensions

Thread diameter	Pitch	Outer diameter		Core diameter min
		max	min	
2	1	2,1	2	1,17
2,5	1,15	2,6	2,5	1,47
3	1,35	3,1	3	1,9
3,5	1,55	3,6	3,5	2,22
4	1,75	4,1	4	2,55
4,5	2	4,65	4,5	2,87
5	2,25	5,15	5	3,19
6	2,65	6,15	6	3,84
7	3,1	7,15	7	4,48
8	3,5	8,15	8	5,12
10	4,5	10,15	10	6,4

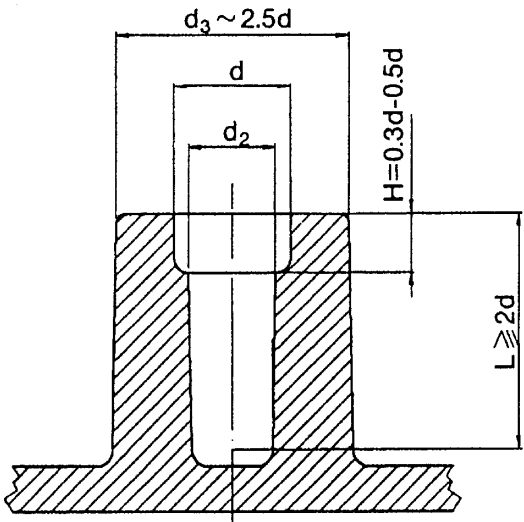


Thread profile.

Table 72 Recommendations for holes

Material	Hole diameter <sup>1)</sup>
PA 6 - 30GV	0,85 × d <sub>max</sub>
PA 6	0,83 × d <sub>max</sub>
PA 6.6	0,8 × d <sub>max</sub>
PP	0,8 × d <sub>max</sub>
PPO	0,85 × d <sub>max</sub>
PS	0,8 × d <sub>max</sub>
PE	0,8 × d <sub>max</sub>
ABS	0,78 × d <sub>max</sub>
PC	0,85 × d <sub>max</sub>

<sup>1)</sup> Above stated hole recommendations are given as guide-lines. They are based on theoretical calculations for an insert depth corresponding to two thread diameters.



Application testing is essential to determine a suitable hole diameter; installation depth, assembly torque and other relevant factors.

Table 73 Remform® Metallurgical and mechanical characteristics

Hardened and tempered property class 10.9	Nominal diameter									
	2,5	3,0	3,5	4,0	4,5	5,0	6,0	7,0	8,0	10,0
Min. torsional strength (Nm)	0,68	1,31	2,14	3,17	4,47	6,37	11,13	18,00	27,00	53,00