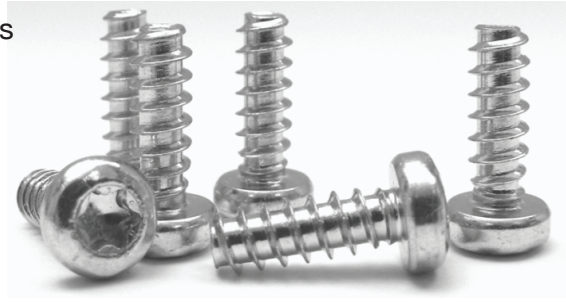


# REMFORM® II™

Thread forming screw for plastics and light alloy materials

The REMFORM® II™ screws is a thread forming fastener with a unique thread form which are an improved version of the original REMFORM® family. It provides superior performance in today's wide range of engineering plastics application. The asymmetrical thread design minimizes radial hoop stress which eliminates boss bursting and cracks. The narrow tip angle also reduces stress in the plastic nut member.



## Features & Benefits

- Allows better flow of the mating plastic material downwards to the load flank and will accept a higher amount of material between the flanks.
- Reducing the risk of overstressing and cracking of the plastic material.
- Provides higher torsional strength for assembly with high strength or reinforced material.

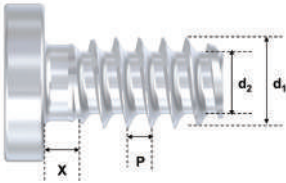
**Material** : Carbon steel and stainless steel.

**Head Type** : Available in any head style.

**Point Type** : Available in any point type.

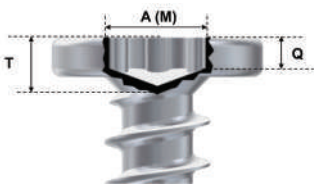
**Recess** : TORX®, TORX PLUS®, MICROSTIX® & JCIS Cross. Other recesses are available upon request.

## Fastener Dimensions



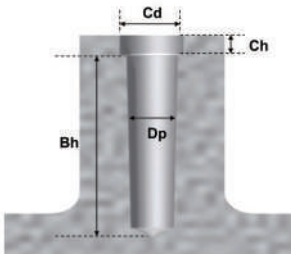
Part Name	Major Diameter $d_1$	Minor Diameter $d_2$	Thread Pitch P	Thread Runout X	Min. Breaking Torque	Min. Seating Torque
	mm	mm	mm	mm	Nm	Nm
Remform® II™ 10	1.00	0.64	0.55	0.55	0.06	0.04
Remform® II™ 12	1.20	0.77	0.65	0.65	0.12	0.08
Remform® II™ 14	1.40	0.89	0.75	0.75	0.19	0.13
Remform® II™ 16	1.60	1.02	0.85	0.85	0.28	0.20
Remform® II™ 18	1.80	1.15	0.85	0.85	0.44	0.31
Remform® II™ 20	2.00	1.17	1.00	1.00	0.60	0.42

## Recess Dimensions



Part Name	TORX PLUS®				JCIS Cross			
	Recess Size	Width A	Penetration Depth (Min) Q	Penetration Depth (Max) Q	Recess Size	Width M	Total Recess Depth (Min) T	Total Recess Depth (Max) T
		mm	mm	mm		mm	mm	mm
Remform® II™ 10	3IP	1.17	0.30	0.45	#0	1.65	0.56	0.84
Remform® II™ 12	3IP	1.17	0.35	0.50	#0	1.65	0.56	0.84
Remform® II™ 14	3IP	1.17	0.35	0.50	#0	1.65	0.56	0.84
Remform® II™ 16	5IP	1.45	0.50	0.65	#0	1.90	0.81	1.10
Remform® II™ 18	6IP	1.75	0.50	0.65	#0	2.10	1.01	1.31
Remform® II™ 20	6IP	1.75	0.65	0.85	#0	2.10	1.01	1.31

## Recommended Pilot Hole Size



Part Name	Nominal Diameter $d_1$	Pilot Hole Size (Min) $D_p$	Pilot Hole Size (Max) $D_p$	Counter Bore Depth $Ch$	Counter Bore Diameter (Min) $Cd$	Counter Bore Diameter (Max) $Cd$	Boss Height $Bh$
	mm	mm	mm	mm	mm	mm	mm
Remform® II™ 10	1.00	0.74	0.80	0.30	1.02	1.05	Thread length + 1 pitch
Remform® II™ 12	1.20	0.89	0.97	0.40	1.22	1.25	
Remform® II™ 14	1.40	1.04	1.13	0.45	1.42	1.45	
Remform® II™ 16	1.60	1.28	1.36	0.50	1.62	1.65	
Remform® II™ 18	1.80	1.34	1.45	0.55	1.82	1.85	
Remform® II™ 20	2.00	1.47	1.60	0.60	2.02	2.05	

## Manufacturing Range

Part Name	Nominal Diameter	Nominal Length													
		mm													
Remform® II™ 10	1.00	3.00	3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00			
Remform® II™ 12	1.20	3.00	3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00		
Remform® II™ 14	1.40	3.00	3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00		
Remform® II™ 16	1.60		3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	16.00	
Remform® II™ 18	1.80		3.50	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	16.00	18.00
Remform® II™ 20	2.00			4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	16.00	18.00

Product Length Tolerance    ±0.30   ±0.38   ±0.45   ±0.55

## Other Available REMFORM® II™ Family

### • REMFORM® II™ "F"

Comprise with special features of REMFORM® II™ screw thread design, REMFORM® II™ "F" with finer thread spacing is specially designed and advantageous in thermoplastic applications and light metals where the length of engagement is less than optimal.

### • REMFORM® II™ "HS"

Combination features of REMFORM® II™ and REMFORM® II™ "F" with an optimization gap between the threads and core diameter. The optimized pitch allows more threads to be engaged with the plastic material.

	REMFORM® II™	REMFORM® II™ "HS"	REMFORM® II™ "F"
thermoplastics	■ very suitable	□ limited suitability	
reinforced thermoplastics	■ very suitable	■ very suitable	□ limited suitability
highly reinforced thermoplastics	□ limited suitability	■ very suitable	■ very suitable
die-cast magnesium			■ very suitable
die-cast zinc			□ limited suitability
die-cast aluminium			□ limited suitability

REMFORM® II™ Family and Applicable Materials

Initial product testing is recommended for optimum performance during assembly. For more information, please contact your nearest Unisteel representative.

REMFORM® II™ is a registered trademark of Research Engineering & Manufacturing Inc (REMINC) and Conti Fasteners AG (CONTI).



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