

WIRE THREAD REPAIR KITS

METRIC FINE

BORDO® INDUSTRIAL TOOLS

GROUP	PCRK
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	**FREE RUNNING**

METRIC FINE

INSERT						INCLUDED IN KIT					TAPPING DRILL	
D												
MM	MM	INSTALLED LENGTH		$	PART #	#	MM	PART #	PART #	PART #	MM	INCH
8.00	1.00	1.5D	12.00MM	**95.87**	3521-8.00K	20	8.3	3521-8.00I	3500-HIT11	3500-TB12	8.3	21/64*
10.00	1.25	1.5D	15.00MM	**113.57**	3521-10.00K	15	10.3	3521-10.00I	3500-HIT13	3500-TB13	10.3	13/32*
10.00	1.00	1.5D	15.00MM	**115.01**	3523-10.00K	15	10.3	3523-10.00I	3500-HIT13	3500-TB13	10.3	13/32*
11.00	1.25	1.5D	16.50MM	**135.84**	3521-11.00K	10	11.3	3521-11.00I	3500-HIT14	3500-TB14	11.3	7/16*
11.00	1.00	1.5D	16.50MM	**135.84**	3523-11.00K	10	11.3	3523-11.00I	3500-HIT14	3500-TB14	11.3	7/16*
12.00	1.50	1.5D	18.00MM	**144.38**	3521-12.00K	10	12.4	3521-12.00I	3500-HIT15	3500-TB15	12.4	31/64*
12.00	1.25	1.5D	18.00MM	**146.55**	3523-12.00K	10	12.3	3523-12.00I	3500-HIT15	3500-TB15	12.3	31/64*
12.00	1.00	1.5D	18.00MM	**222.14**	3524-12.00K	10	12.3	3524-12.00I	3500-HIT15	3500-TB15	12.3	31/64*
13.00	1.50	1.5D	19.50MM	**143.30**	3521-13.00K	10		3521-13.00I	3500-HIT15		13.2*	33/64*
13.00	1.25	1.5D	19.50MM	**157.64**	3523-13.00K	10		3523-13.00I	3500-HIT15		13.2*	33/64*
14.00	1.50	1.5D	21.00MM	**150.27**	3521-14.00K	10		3521-14.00I	3500-HIT16		14.4*	9/16*
14.00	1.25	1.5D	21.00MM	**150.27**	3523-14.00K	10		3523-14.00I	3500-HIT16		14.3*	9/16*
14.00	1.00	1.5D	21.00MM	**229.30**	3524-14.00K	10		3524-14.00I	3500-HIT16		14.3*	9/16*
15.00	1.50	1.5D	22.50MM	**164.81**	3521-15.00K	10		3521-15.00I	3500-HIT16		15.3*	39/64*
16.00	1.50	1.5D	24.00MM	**178.56**	3521-16.00K	10		3521-16.00I	3500-HIT18		16.5*	21/32*
18.00	2.00	1.5D	27.00MM	**243.63**	3521-18.00K	5		3521-18.00I	3500-HIT20		18.5*	23/32*
18.00	1.50	1.5D	27.00MM	**243.63**	3523-18.00K	5		3523-18.00I	3500-HIT20		18.5*	23/32*
20.00	2.00	1.5D	30.00MM	**279.45**	3521-20.00K	5		3521-20.00I	3500-HIT21		20.5*	13/16*
20.00	1.50	1.5D	30.00MM	**279.45**	3523-20.00K	5		3523-20.00I	3500-HIT21		20.5*	13/16*
22.00	2.00	1.5D	33.00MM	**329.63**	3521-22.00K	5		3521-22.00I	3500-HIT22		22.5*	57/64*
22.00	1.50	1.5D	33.00MM	**329.63**	3523-22.00K	5		3523-22.00I	3500-HIT22		22.5*	57/64*
24.00	2.00	1.5D	36.00MM	**458.59**	3521-24.00K	5		3521-24.00I	3500-HIT23		24.5*	21/64*
24.00	1.50	1.5D	36.00MM	**458.59**	3523-24.00K	5		3523-24.00I	3500-HIT23		24.5*	31/32*
26.00	1.50	1.5D	39.00MM	**503.53**	3523-26.00K	5		3523-26.00I	3500-HIT24		26.5*	1-1/32*
27.00	2.00	1.5D	40.50MM	**503.53**	3521-27.00K	5		3521-27.00I	3500-HIT24		27.5*	1-5/64*
27.00	1.50	1.5D	40.50MM	**503.53**	3523-27.00K	5		3523-27.00I	3500-HIT24		27.5*	
28.00	1.50	1.5D	42.00MM	**616.77**	3523-28.00K	5		3523-28.00I	3500-HIT24		28.5*	
30.00	2.00	1.5D	45.00MM	**652.38**	3521-30.00K	5		3521-30.00I	3500-HIT26		30.5*	1-3/16*
30.00	1.50	1.5D	45.00MM	**652.38**	3523-30.00K	5		3523-30.00I	3500-HIT26		30.5*	
33.00	2.00	1.5D	49.50MM	**669.53**	3521-33.00K	5		3521-33.00I	3500-HIT26		33.5*	1-5/16*
36.00	3.00	1.5D	54.00MM	**671.70**	3521-36.00K	3		3521-36.00I	3500-HIT28		37.0*	1-29/64*
36.00	2.00	1.5D	54.00MM	**671.70**	3523-36.00K	3		3523-36.00I	3500-HIT28		36.5*	
36.00	1.50	1.5D	54.00MM	**671.70**	3524-36.00K	3		3524-36.00I	3500-HIT28		36.5*	

* Tapping drill not included in thread repair kit.

Some large repair kits over 24mm may be supplied with HIM tools (hex installation mandrels) in place of HIT tools (hand installation tools).

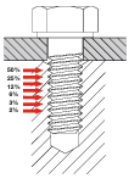




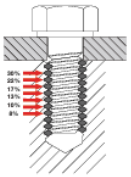
Bulk Free Running Inserts
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MF

Standard Bolt



Bolt with PowerCoil insert



In a conventional threaded joint 75% of the load is placed on the first three threads.

The helical coil design of the PowerCoil Wire Thread Insert allows the shear loading to be transformed into a more desirable radial loading (hoop stress) over the entire length of the insert.

Use of a PowerCoil insert results in a far stronger thread than can be obtained by using conventional drilling or tapping. Improved strength allows designers to select fasteners based on minimum bolt strength and allows the use of smaller diameters and thread lengths - even in magnesium and aluminium alloys.