

THREADIX WIRE THREAD INSERT

Wire thread inserts can be used to strengthen threads, giving applications a longer life. Each insert sharing the load over the entire bolt and hole, improving holding or pull out resistance. With a wire thread insert installed, a more even distribution of load and stress can be achieved. Free running wire thread inserts are generally made of type 304/18-8 stainless steel wire rolled into a diamond shape cross-section. It can be supplied in other materials such as SUS316, Inconel X-750, Nitronic 60, Phosphor Bronze and soon.



Metric Wire thread insert									
Part No.	Self-Locking	D x P	K x d	L	W	d1 max.	B Tap Drill Size	t3 max.	
Free Running	Self-Locking								
L401011	L4012011		14	2.0	2.9			1.8	
L401012	L4012012		1.5d	3.0	4.8			2.8	
L401013	L4012013	M2X0.40	2d	4.0	6.9	2.6-2.8	2.1	3.8	
L401014	L4012014		2.5d	5.0	8.9			4.8	
L401015	L4012015		3d	6.0	10.9			5.8	
L4010201	L4012021		1d	2.5	3.5			2.3	
L4010202	L4012022		1.5d	3.75	5.9			3.5	
L4010203	L4012023	M2.5X0.45	2d	5.0	8.1	3.3-3.5	2.6	4.6	
L4010204	L4012024		2.5d	6.25	10.5			5.6	
L4010205	L4012025		3d	7.5	12.9			7.3	
L4010301	L4012031		1d	3.0	3.9			2.7	
L4010302	L4012032		1.5d	4.5	6.3			4.2	
L4010303	L4012033	M3X0.5	2d	6.0	8.7	3.8-4.0	3.2	6.7	
L4010304	L4012034		2.5d	7.5	11.1			7.2	
L4010305	L4012035		3d	9.0	13.5			8.7	
L4010401	L4012041		1d	3.5	3.7			3.2	
L4010402	L4012042		1.5d	5.25	6.3			5.0	
L4010403	L4012043	M3.5X0.8	2d	7.0	8.7	4.4-2.40	3.7	6.7	
L4010404	L4012044		2.5d	8.75	11.2			8.5	
L4010405	L4012045		3d	10.5	13.3			10.2	
L4010501	L4012051		1d	4.0	3.7			3.6	
L4010502	L4012052		1.5d	6.0	8.1			5.8	
L4010503	L4012053	MAX3.7	2d	8.0	8.4	5.05-5.25	4.2	7.6	
L4010504	L4012054		2.5d	10.0	10.9			9.6	
L4010505	L4012055		3d	12.0	13.2			11.6	
L4010601	L4012061		1d	5.0	4.3			4.6	
L4010602	L4012062		1.5d	7.5	6.9			7.1	
L4010603	L4012063	MAX3.8	2d	10.0	9.7	6.35-6.6	5.2	9.6	
L4010604	L4012064		2.5d	12.5	12.3			12.1	
L4010605	L4012065		3d	15.0	14.8			14.6	

L4010701	L4012071		1d	6.0	4.2			5.5	
L4010702	L4012072		1.5d	9.0	6.9			8.5	
L4010703	L4012073	MAX1.0	2d	12.0	9.6	7.6-7.85	6.3	11.5	
L4010704	L4012074		2.5d	15.0	12.3			14.5	
L4010705	L4012075		3d	18.0	14.6			17.5	
L4010801	L4012081		1d	7.0	5.3			6.5	
L4010802	L4012082		1.5d	10.5	8.2			9.2	
L4010803	L4012083	M7X1.0	2d	14.0	11.1	8.65-8.9	7.3	13.5	
L4010804	L4012084		2.5d	17.5	14.3			17.0	
L4010805	L4012085		3d	21.0	17.4			20.5	
L4010901	L4012091		1d	8.0	5.5			7.5	
L4010902	L4012092		1.5d	12.0	7.4			11.4	
L4010903	L4012093	MAX1.25	2d	16.0	10.6	9.85-10.1	8.4	15.4	
L4010904	L4012094		2.5d	20.0	13.5			19.4	
L4010905	L4012095		3d	24.0	16.4			23.4	
L4011001	L4012101		1d	9.0	6.1			10.2	
L4011002	L4012102		1.5d	12.0	9.5			15.5	
L4011003	L4012103	MAX1.0	2d	16.0	12.9	9.85-10.1	8.3	19.5	
L4011004	L4012104		2.5d	20.0	16.5			19.5	
L4011005	L4012105		3d	24.0	19.3			23.5	
L4011011	L4012111		1d	9.0	6.1			10.2	
L4011012	L4012112		1.5d	13.5	8.6			12.9	
L4011013	L4012113	MAX1.25	2d	18.0	11.9	10.85-11.1	9.4	17.4	
L4011014	L4012114		2.5d	22.5	15.3			21.9	
L4011015	L4012115		3d	27.0	18.1			26.4	
L4011021	L4012121		1d	10.0	8.0			11.2	
L4011022	L4012122		1.5d	15.0	8.1			14.2	
L4011023	L4012123	MAX1.5	2d	20.0	11.2	12-12.5	10.50	19.2	
L4011024	L4012124		2.5d	25.0	14.2			24.2	
L4011025	L4012125		3d	30.0	17.2			29.2	
L4011031	L4012131		1d	10.0	7.8			9.5	
L4011032	L4012132		1.5d	15.0	12.1			14.5	
L4011033	L4012133	M10X1.0	2d	20.0	10.7	12.1-12.5	10.25	18.5	
L4011034	L4012134		2.5d	25.0	20.7			24.5	
L4011035	L4012135		3d	30.0	25.0			28.5	
L4011042	L4012142		1.5d	15.0	9.7			14.4	
L4011043	L4012143	M10X1.25	2d	20.0	13.1	12.1-12.5	10.40	19.4	
L4011044	L4012144		2.5d	25.0	16.9			24.4	
L4011045	L4012145		3d	30.0	20.1			29.4	
L4011051	L4012151		1d	11.0	5.8			10.3	
L4011052	L4012152		1.5d	16.5	9.0			15.7	
L4011053	L4012153	M11X1.5	2d	22.0	12.3	13.1-13.5	11.50	21.2	
L4011054	L4012154		2.5d	27.5	15.7			26.7	
L4011055	L4012155		3d	33.0	19.1			32.2	

L4010161	L4012161		1d	12.0	8.2			11.1	
L4010162	L4012162		1.5d	18.0	8.4			17.1	
L4010163	L4012163	M12X1.75	2d	24.0	11.7	14.4-14.8	12.50	23.1	
L4010164	L4012164		2.5d	30.0	14.7			28.1	
L4010165	L4012165		3d	36.0	18.0			35.1	
L4010171	L4012171		1d	12.0	9.3			11.5	
L4010172	L4012172		1.5d	18.0	14.5			17.5	
L4010173	L4012173	M12X1.0	2d	24.0	19.5	14.4-14.8	12.25	25.5	
L4010174	L4012174		2.5d	30.0	24.8			29.5	
L4010175	L4012175		3d	36.0	30.0			35.5	
L4010181	L4012181		1d	12.0	7.4			11.4	
L4010182	L4012182		1.5d	18.0	11.6			17.4	
L4010183	L4012183	M12X1.25	2d	24.0	15.9	14.4-14.8	12.25	23.4	
L4010184	L4012184		2.5d	30.0	20.5			29.4	
L4010185	L4012185		3d	36.0	24.3			35.4	
L4010191	L4012191		1d	12.0	6.2			11.2	
L4010192	L4012192		1.5d	18.0	9.8			17.2	
L4010193	L4012193	M12X1.5	2d	24.0	15.3	14.4-14.8	12.50	23.2	
L4010194	L4012194		2.5d	30.0	21.1			29.2	
L4010195	L4012195		3d	36.0	26.8			35.2	
L4010201	L4012201		1d	14.0	5.6			13.0	
L4010202	L4012202		1.5d	21.0	8.8			20.2	
L4010203	L4012203	M14X2.0	2d	28.0	12.0	16.8-17.2	14.50	27.0	
L4010204	L4012204		2.5d	35.0	15.2			34.0	
L4010211	L4012211		1d	14.0	11.2			13.5	
L4010212	L4012212		1.5d	21.0	17.2	16.8-17.2	14.25	27.5	
L4010213	L4012213	M14X1.0	2d	28.0	23.2			34.5	
L4010214	L4012214		2.5d	35.0	29.2			34.5	
L4010221	L4012221		1d	8.4	4.8			7.8	
L4010222	L4012222		1.5d	12.4	7.4	16.8-17.2	14.25	13.8	
L4010223	L4012223	M14X1.25	2d	14.4	9.1			11.8	
L4010224	L4012224		2.5d	18.4	10.2			15.8	
L4010231	L4012231		1d	14.0	7.4			12.0	
L4010232	L4012232	M14X1.5	2d	21.0	11.6	16.8-17.2	14.50	27.2	
L4010233	L4012233		2d	28.0	15.7			27.2	
L4010234	L4012234		2.5d	35.0	19.9			34.2	
L4010241	L4012241		1d	16.0	5.5			15.0	
L4010242	L4012242	M16X2.0	2d	1.5d	24.0	10.1	19.0-19.4	23.0	
L4010243	L4012243		2d	32.0	13.8			31.0	
L4010244	L4012244		2.5d	40.0	17.5			39.0	
L4010251	L4012251		1d	16.0	8.7			15.2	
L4010252	L4012252	M16X1.5	2d	1.5d	24.0	13.4	19.0-19.4	23.2	
L4010253	L4012253		2d	32.0	18.1			31.2	
L4010254	L4012254		2.5d	40.0	22.9			39.2	
L4010261	L4012261		1d	9.0	2.3			7.7	
L4010262	L4012262		0.75d	13.5	3.8			12.2	
L4010263	L4012263	M16X2.5	1d	18.0	5.6	21.5-22.0	18.75	16.7	
L4010264	L4012264		1.5d	27.0	9.0			25.7	
L4010265	L4012265		2d	36.0	12.3			34.7	

L4010282	L4012282		0.75d	13.5	5.1				12.6
L4010283	L4012283	M18X2.0	1d	18.0	7.1	21.5-22.0	18.50	17.0	
L4010284	L4012284		1.5d	27.0	11.2				25.0
L4010285	L4012285		2d	36.0	15.1				35.0
L4010291	L4012291		0.5d	10.0	2.7				8.7
L4010292	L4012292		0.75d	15.0	4.5				13.7
L4010293	L4012293	M20X2.5	1d	20.0	6.3	23.7-24.2	20.75	19.7	
L4010294	L4012294		1.5d	30.0	10.0				28.7
L4010295	L4012295		2d	40.0	13.7				38.7
L4010301	L4012301		0.5d	10.0	4.9				9.2
L4010302	L4012302		0.75d	15.0	7.9				14.2
L4010303	L4012303	M20X1.5	1d	20.0	5.7	23.7-24.2	20.50	19.2	
L4010304	L4012304		1.5d	30.0	16.7				29.2
L4010305	L4012305		2d	40.0	22.4				39.2
L4010311	L4012311		0.5d	10.0	3.5				9.0
L4010312	L4012312		0.75d	15.0	5.8				14.0
L4010313	L4012313	M20X2.0	1d	20.0	8.0	23.7-24.2	20.50	19.0	
L4010314	L4012314		1.5d	30.0	12.5				29.0
L4010315	L4012315		2d	40.0	16.8				39.0
L4010321	L4012321		0.75d	15.0	3.0				9.7
L4010322	L4012322	M22X2.5	1.5d	16.5	5.0	28.3-28.8	22.75	15.2	
L4010323	L4012323		1d	22.0	6.9				20.7
L4010324	L4012324		1.5d	33.0	9.0				31.7

UNCUT Wire thread insert									
Part No.		doP	K x d	L	W	dt min. max.	B Top Drill Size	t3 max.	
Free Running	Self-Locking								
L4010561	L4012561		1d	2.2	3.0			1.8	
L4010562	L4012562		1.5d	3.3	5.5			2.8	
L4010563	L4012563	2-68	2d	4.4	7.4	2.7-2.9	2.4	3.8	
L4010564	L4012564		2.5d	5.5	9.5			5.0	