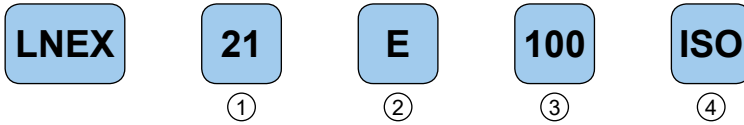


Designations for Thread Milling Insert 螺紋銑削刀片型號編碼



① Insert Size	② Type of Insert	③ Thread Pitch	④ Thread Standard																											
<table border="1"> <tr><td>A (mm)</td></tr> <tr><td>14</td></tr> <tr><td>21</td></tr> </table>	A (mm)	14	21	<table border="1"> <tr> <td>E</td> <td>External</td> </tr> <tr> <td>I</td> <td>Internal</td> </tr> </table>	E	External	I	Internal	<table border="1"> <tr> <td rowspan="2">TP (mm)</td> <td>0.75</td> <td>1.0</td> <td>...</td> <td>2.5</td> </tr> <tr> <td>075</td> <td>100</td> <td>...</td> <td>250</td> </tr> <tr> <td rowspan="2">TPI</td> <td>32</td> <td>28</td> <td>...</td> <td>10</td> </tr> <tr> <td>32</td> <td>28</td> <td>...</td> <td>10</td> </tr> </table>	TP (mm)	0.75	1.0	...	2.5	075	100	...	250	TPI	32	28	...	10	32	28	...	10	<table border="1"> <tr> <td>ISO</td> </tr> <tr> <td>UN</td> </tr> </table>	ISO	UN
A (mm)																														
14																														
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E	External																													
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TP (mm)	0.75	1.0	...	2.5																										
	075	100	...	250																										
TPI	32	28	...	10																										
	32	28	...	10																										
ISO																														
UN																														

Insert Specifications 刀片規格

Insert	Dimensions (mm)			
	A	B	S	d1
LNE X14	14	7.5	3.1	3.3
LNE X21	21	12	4.7	4.7

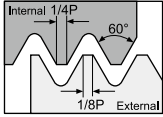
Insert Grade 刀片材質

Grade Type 刀片材質	Coating Color 塗層顏色	Properties 屬性	Application 加工特性	Working Material 加工材質						Industry Area 產業應用範圍
				P	M	K	N	S	H	
CX33UX		<ul style="list-style-type: none"> PVD (AlTiSiN) Wear resistance Anti-corrosion Low friction 	<ul style="list-style-type: none"> Semi-finishing to medium General machining Suitable for various materials 	●	●	●	●	○	○	<ul style="list-style-type: none"> Mold & Die Automotive Machinery Aerospace
		<ul style="list-style-type: none"> 耐磨性 抗腐蝕 低磨擦系數 	<ul style="list-style-type: none"> 適合半精至中加工 適合泛用加工 適用於各種材料加工 							<ul style="list-style-type: none"> 模具產業 汽車零件 機械零件 航太零件

Thread Milling Tools - LNEX Inserts

螺紋銑削刀片

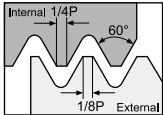
Insert Designation 刀片型號



ISO

External 外徑

Insert	Order No.	Code-I/E-Pitch-Grade	Pitch	Working Material					
			TP(mm)	P	M	K	N	S	H
	ILNEX14E075ISO33UX	LNEX14E0.75ISO-CX33UX	0.75	●	●	●	○	●	○
	ILNEX14E100ISO33UX	LNEX14E1.00ISO-CX33UX	1.0	●	●	●	○	●	○
	ILNEX14E125ISO33UX	LNEX14E1.25ISO-CX33UX	1.25	●	●	●	○	●	○
	ILNEX14E150ISO33UX	LNEX14E1.50ISO-CX33UX	1.5	●	●	●	○	●	○
	ILNEX14E175ISO33UX	LNEX14E1.75ISO-CX33UX	1.75	●	●	●	○	●	○
	ILNEX14E200ISO33UX	LNEX14E2.00ISO-CX33UX	2.0	●	●	●	○	●	○
	ILNEX14E250ISO33UX	LNEX14E2.50ISO-CX33UX	2.5	●	●	●	○	●	○
	ILNEX21E100ISO33UX	LNEX21E1.00ISO-CX33UX	1.0	●	●	●	○	●	○
	ILNEX21E125ISO33UX	LNEX21E1.25ISO-CX33UX	1.25	●	●	●	○	●	○
	ILNEX21E150ISO33UX	LNEX21E1.50ISO-CX33UX	1.5	●	●	●	○	●	○
	ILNEX21E175ISO33UX	LNEX21E1.75ISO-CX33UX	1.75	●	●	●	○	●	○
	ILNEX21E200ISO33UX	LNEX21E2.00ISO-CX33UX	2.0	●	●	●	○	●	○
	ILNEX21E250ISO33UX	LNEX21E2.50ISO-CX33UX	2.5	●	●	●	○	●	○
	ILNEX21E300ISO33UX	LNEX21E3.00ISO-CX33UX	3.0	●	●	●	○	●	○



ISO

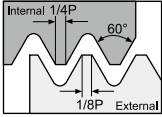
Internal 內徑

Insert	Order No.	Code-I/E-Pitch-Grade	Pitch	Working Material					
			TP(mm)	P	M	K	N	S	H
	ILNEX14I075ISO33UX	LNEX14I0.75ISO-CX33UX	0.75	●	●	●	○	●	○
	ILNEX14I100ISO33UX	LNEX14I1.00ISO-CX33UX	1.0	●	●	●	○	●	○
	ILNEX14I125ISO33UX	LNEX14I1.25ISO-CX33UX	1.25	●	●	●	○	●	○
	ILNEX14I150ISO33UX	LNEX14I1.50ISO-CX33UX	1.5	●	●	●	○	●	○
	ILNEX14I175ISO33UX	LNEX14I1.75ISO-CX33UX	1.75	●	●	●	○	●	○
	ILNEX14I200ISO33UX	LNEX14I2.00ISO-CX33UX	2.0	●	●	●	○	●	○
	ILNEX14I250ISO33UX	LNEX14I2.50ISO-CX33UX	2.5	●	●	●	○	●	○
	ILNEX21I100ISO33UX	LNEX21I1.00ISO-CX33UX	1.0	●	●	●	○	●	○
	ILNEX21I125ISO33UX	LNEX21I1.25ISO-CX33UX	1.25	●	●	●	○	●	○
	ILNEX21I150ISO33UX	LNEX21I1.50ISO-CX33UX	1.5	●	●	●	○	●	○
	ILNEX21I175ISO33UX	LNEX21I1.75ISO-CX33UX	1.75	●	●	●	○	●	○
	ILNEX21I200ISO33UX	LNEX21I2.00ISO-CX33UX	2.0	●	●	●	○	●	○
	ILNEX21I250ISO33UX	LNEX21I2.50ISO-CX33UX	2.5	●	●	●	○	●	○
	ILNEX21I300ISO33UX	LNEX21I3.00ISO-CX33UX	3.0	●	●	●	○	●	○

Thread Milling Tools - LNEX Inserts

螺紋銑削刀片

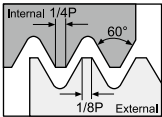
Insert Designation 刀片型號



UN

External 外徑

Insert	Order No.	Code-I/E-Pitch-Grade	Pitch	Working Material					
			TPI	P	M	K	N	S	H
	ILNEX14E32UN33UX	LNEX14E32UN-CX33UX	32	●	●	●	○	●	○
	ILNEX14E28UN33UX	LNEX14E28UN-CX33UX	28	●	●	●	○	●	○
	ILNEX14E24UN33UX	LNEX14E24UN-CX33UX	24	●	●	●	○	●	○
	ILNEX14E20UN33UX	LNEX14E20UN-CX33UX	20	●	●	●	○	●	○
	ILNEX14E18UN33UX	LNEX14E18UN-CX33UX	18	●	●	●	○	●	○
	ILNEX14E16UN33UX	LNEX14E16UN-CX33UX	16	●	●	●	○	●	○
	ILNEX14E14UN33UX	LNEX14E14UN-CX33UX	14	●	●	●	○	●	○
	ILNEX14E12UN33UX	LNEX14E12UN-CX33UX	12	●	●	●	○	●	○
	ILNEX21E24UN33UX	LNEX21E24UN-CX33UX	24	●	●	●	○	●	○
	ILNEX21E20UN33UX	LNEX21E20UN-CX33UX	20	●	●	●	○	●	○
	ILNEX21E18UN33UX	LNEX21E18UN-CX33UX	18	●	●	●	○	●	○
	ILNEX21E16UN33UX	LNEX21E16UN-CX33UX	16	●	●	●	○	●	○
	ILNEX21E14UN33UX	LNEX21E14UN-CX33UX	14	●	●	●	○	●	○
	ILNEX21E12UN33UX	LNEX21E12UN-CX33UX	12	●	●	●	○	●	○
	ILNEX21E10UN33UX	LNEX21E10UN-CX33UX	10	●	●	●	○	●	○



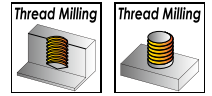
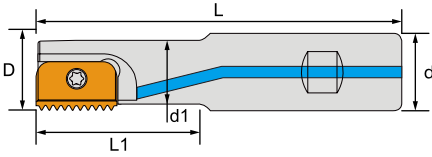
UN

Internal 內徑

Insert	Order No.	Code-I/E-Pitch-Grade	Pitch	Working Material					
			TPI	P	M	K	N	S	H
	ILNEX14I32UN33UX	LNEX14I32UN-CX33UX	32	●	●	●	○	●	○
	ILNEX14I28UN33UX	LNEX14I28UN-CX33UX	28	●	●	●	○	●	○
	ILNEX14I24UN33UX	LNEX14I24UN-CX33UX	24	●	●	●	○	●	○
	ILNEX14I20UN33UX	LNEX14I20UN-CX33UX	20	●	●	●	○	●	○
	ILNEX14I18UN33UX	LNEX14I18UN-CX33UX	18	●	●	●	○	●	○
	ILNEX14I16UN33UX	LNEX14I16UN-CX33UX	16	●	●	●	○	●	○
	ILNEX14I14UN33UX	LNEX14I14UN-CX33UX	14	●	●	●	○	●	○
	ILNEX14I12UN33UX	LNEX14I12UN-CX33UX	12	●	●	●	○	●	○
	ILNEX21I24UN33UX	LNEX21I24UN-CX33UX	24	●	●	●	○	●	○
	ILNEX21I20UN33UX	LNEX21I20UN-CX33UX	20	●	●	●	○	●	○
	ILNEX21I18UN33UX	LNEX21I18UN-CX33UX	18	●	●	●	○	●	○
	ILNEX21I16UN33UX	LNEX21I16UN-CX33UX	16	●	●	●	○	●	○
	ILNEX21I14UN33UX	LNEX21I14UN-CX33UX	14	●	●	●	○	●	○
	ILNEX21I12UN33UX	LNEX21I12UN-CX33UX	12	●	●	●	○	●	○
	ILNEX21I10UN33UX	LNEX21I10UN-CX33UX	10	●	●	●	○	●	○

Threading

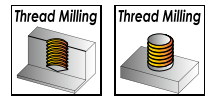
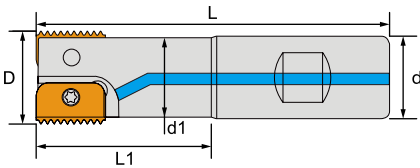
Thread Milling Tools 螺紋銑刀



Insert Brand : Winstar, Carmex, ...

Order No.	D	L1	L	d	d1	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICXMTE141012071	12	20	75	20	8.9	1	✓	LNEX14	ITS3002	ITK09	●
ICXMTE141014081	14.5	25	85	20	11	1	✓				●
ICXMTE211021091	21	40	94	20	16.5	1	✓	LNEX21	ITS4020	ITK15	●
ICXMTE211025121	25	28	125	20	-	1	✓				●

● stock ○ by inquiry



Insert Brand : Winstar, Carmex, ...

Order No.	D	L1	L	d	d1	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICXMTE142020091	20	41	93	20	16	2	✓	LNEX14	ITS3002	ITK09	●
ICXMTE212030101	30	52	108	25	24	2	✓	LNEX21	ITS4020	ITK15	●

● stock ○ by inquiry

Recommended Cutting Conditions 建議切削數據

Working Material	Vc	fz
Carbon Steel / Alloy Steel	100 ~ 250	0.10 ~ 0.20
Stainless Steel	130 ~ 200	0.10 ~ 0.18
Cast Iron	100 ~ 200	0.12 ~ 0.20
Aluminum Alloy	110 ~ 400	0.15 ~ 0.24
High Temperature Alloy	25 ~ 100	0.05 ~ 0.15
Hardened Steel	40 ~ 100	0.05 ~ 0.15