

LSE445

GENERAL FACE MILLING SERIES WITH 20° POSITIVE
INSERTS FOR RELIABLE AND EFFICIENT MACHINING



*M*plus...

LSE445

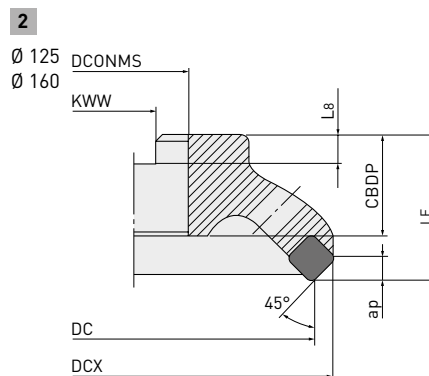
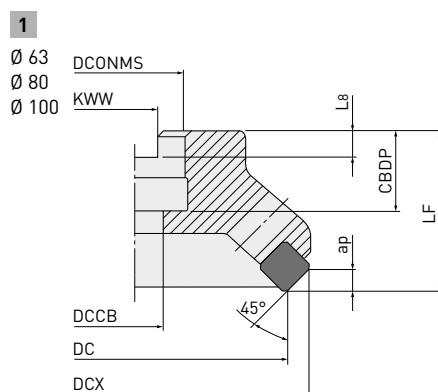


45° FACE MILLING GENERAL CUTTING

P M K N



C H: 45°
A.R: +19° T: +13°
RR: -2° I: +15°



ARBOR TYPE

Order number	Stock		ZEFP	DC	DCX	LF	DCONMS	CBDP	DCCB	KWW	L8	WT	APMX		Type
	R	L													
LSE445-063A05R/L-E	●	□	5	63	76.5	40	22	20	11	10.4	6.4	0.8	5.5	—	1
LSE445-080A06R/L-E	●	□	6	80	93.5	50	27	22	13.5	12.4	7.0	1.0	5.5	—	1
LSE445-100A07R/L-E	●	□	7	100	113.5	50	32	25	17.5	14.4	8.0	1.4	5.5	—	1
LSE445-125B09R/L-E	□	□	9	125	138.5	50	40	32	—	16.4	9.0	2.0	5.5	—	2
LSE445-160B11R/L-E	□	□	11	160	173.5	50	40	32	—	16.4	9.0	3.0	5.5	—	2

1/1

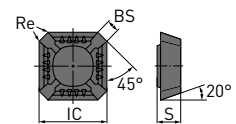


SPARE PARTS

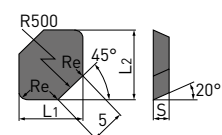
Tool holder number						
	Shim	Shim screw	Wedge	Clamp screw	Wrench	Wrench
LSE445 -063A05R/L-E				LS10T		
LSE445 -080A04R/L-E						
LSE445-100A07R/L-E	STBE445NF	CS300890T	CWSE445TR	LS15T	TKY25T	TKY08F
LSE445-125B09R/L-E						
LSE445 -160B11R/L-E						

*1 Clamp Torque (N • m) : LS10T= 8.5. LS15T= 8.5. CS300890T= 1.0

Inserts with breaker



Wiper inserts



LSE445

RECOMMENDED CUTTING CONDITIONS

Material	Hardness	Grade	Vc	fz
P	Mild steel	F7030	300 (200 – 360)	0.2 (0.1 – 0.3)
		NX4545		
		UTi20T	240 (170 – 300)	
		UP20M		
	Carbon steel Alloy steel	F7030	250 (170 – 300)	0.2 (0.1 – 0.3)
		NX4545		
		UTi20T	200 (140 – 240)	
		UP20M		
	280 – 350HB	UTi20T	140 (100 – 170)	0.15 (0.1 – 0.2)
M	Stainless steel	UP20M	200 (140 – 240)	0.2 (0.1 – 0.3)
		UTi20T		
		K	Cast iron	
F5010				
F5020				
HTi10	160 (110 – 190)			
UTi20T				
N	Aluminium alloy	MD220	1000 (200 – 1500)	0.15 (0.05 – 0.25)
		HTi10	1000 (700 – 1200)	0.12 (0.05 – 0.2)

1/1

1. Revolution (min^{-1}) = $(1000 \times \text{Cutting speed}) \div (3.14 \times \varnothing D1)$.
2. Table feed (mm/min) = Feed per tooth $\times$ Number of teeth $\times$ Cutter revolution.



MEMO

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