

## EFFICIENCY MILLS

ELB

► Long Shank / Square / for **P** **K**

unit: mm



MG

4 Flutes

35°

HRC  
55

TiAlN

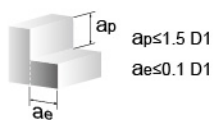
Finishing  
Semi-  
Finishing

Planing

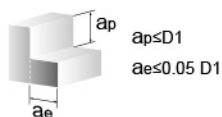
Side

Order No.	Diameter D1	Flute Length L1	O.A.L. L2	Shank Dia D2
ELB 0303	3.0	8	75	3
ELB 0404	4.0	11	75	4
ELB 0606	6.0	15	75	6
ELB 0606A	6.0	15	100	6
ELB 0808	8.0	20	100	8
ELB 1010	10.0	25	100	10
ELB 1010A	10.0	25	150	10
ELB 1212	12.0	30	100	12
ELB 1212A	12.0	30	150	12
ELB 1616	16.0	40	150	16

## ▼ Depth of cut



HRC45 ↓



HRC45 ↑

## ▼ Recommended cutting condition for ELB

MATERIAL	Carbon Steels . Alloy Steels S45C, FC, FCD, SCM, S50C, SKS...		Alloy Steels . Tool Steels SCr, SNCM, SKD11, SKD61, NAK80...		Hardened Steels SKD11	
HARDNESS	~HRC30		~HRC50		~HRC60	
Dia. (D1)	SPEED (min <sup>-1</sup> )	FEED mm / min	SPEED (min <sup>-1</sup> )	FEED mm / min	SPEED (min <sup>-1</sup> )	FEED mm / min
6	4500	800	3800	420	1600	300
8	3500	820	2800	420	1000	300
10	3000	820	1800	420	900	300
12	2000	820	1600	350	800	300
16	1500	650	1000	300	500	150
20	1200	600	900	300	400	150