

EFFICIENCY SQUARE END MILLS SERIES

EC

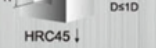
Square End Mills

unit: mm

Order No.	Diameter D1	Flute Length L1	O.A.L. L2	Shank Dia D2
EC 0304	3.0	8	50	4
EC 0404	4.0	11	50	4
EC 0506	5.0	13	50	6
EC 0606	6.0	16	50	6
EC 0808	8.0	20	60	8
EC 1010	10.0	25	75	10
EC 1212	12.0	30	75	12
EC 1616	16.0	40	100	16



DEPTH OF CUT



Recommended cutting condition for EC

MATERIAL	Carbon Steels . Alloy Steels S45C, FC, FCD, SCM, SS0C, SKS...		Alloy Steels . Tool Steels SCr, SNCM, SKD11, SKD61, NAK80...		Hardened Steels SKD11	
HARDNESS	~HRC30		~HRC50		~HRC60	
DIAMETER	SPEED (mm ⁻¹)	FEED mm / min	SPEED (mm ⁻¹)	FEED mm / min	SPEED (mm ⁻¹)	FEED mm / min
3	8000	550(300)	5500	300(100)	3500	200(95)
4	6500	550(300)	4500	300(100)	2200	200(95)
5	5000	800(400)	3600	350(120)	1800	210(100)
6	4000	800(400)	2800	350(120)	1500	210(110)
8	3500	800(400)	2600	350(120)	1300	210(100)
10	2500	800(400)	2000	350(120)	1100	210(100)
12	1800	750(350)	1500	350(120)	700	210(100)
16	1400	700(300)	1000	300(100)	500	170(70)

() Grooving