

EFFICIENCY SQUARE END MILLS SERIES

EA

► Square End Mills

unit: mm

Order No.	Diameter D1	Flute Length L1	O.A.L. L2	Shank Dia D2
EA 0104	1.0	3	50	4
EA 0154	1.5	4	50	4
EA 0204	2.0	6	50	4
EA 0254	2.5	8	50	4
EA 0304	3.0	8	50	4
EA 0404	4.0	11	50	4
EA 0506	5.0	13	50	6
EA 0606	6.0	16	50	6
EA 0808	8.0	20	60	8
EA 1010	10.0	25	75	10
EA 1212	12.0	30	75	12
EA 1616	16.0	40	100	16
EA 2020	20.0	45	100	20



MG

SS

HRC 55

TiAlN

Finishing
Semi-
Finishing

Planing

Slicing

Co
10%

Wc
90%

Dia
0.6µm

► DEPTH OF CUT



► Recommended cutting condition for EA

MATERIAL	Carbon Steels . Alloy Steels S45C, FC, FCD, SCM, S50C, SKS...		Alloy Steels . Tool Steels SCr, SNCM, SKD11, SKD61, NAK80...		Hardened Steels SKD11	
	~HRC30		~HRC50		~HRC60	
DIAMETER	SPEED (mm ⁻¹)	FEED mm / min	SPEED (mm ⁻¹)	FEED mm / min	SPEED (mm ⁻¹)	FEED mm / min
1	20000	80	15000	45	11000	30
1.5	13600	135	10000	60	9000	40
2	9600	150	8500	50	6000	45
3	6500	200	5800	75	4000	60
4	5500	250	4000	80	3200	60
5	4500	300	3000	80	2500	70
6	4000	300	2500	80	2200	70
8	3500	350	2200	90	1700	70
10	3000	400	2000	90	1500	70
12	2500	400	1500	100	1000	70
16	2000	400	1200	100	800	70