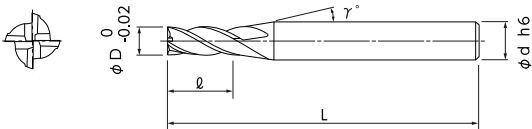
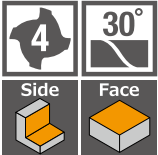


汎用性に富んだ4枚刃エンドミル
幅広い被削材に側面・平面加工が可能

Versatile 4-flute end mill.
Capable of machining side and flat surfaces on a wide range of work materials



							単位 [寸法 : mm / 価格 : ¥] Unit [Size : mm / Retail Price : JPY]						
コードNo. Code No.	(D)外径 Dia.	(ℓ)刃長 Length of Cut	(γ)首角 Neck Taper Angle	(d)シャンク径 Shank Dia.	(L)全長 Overall Length	標準価格 Retail Price	コードNo. Code No.	(D)外径 Dia.	(ℓ)刃長 Length of Cut	(γ)首角 Neck Taper Angle	(d)シャンク径 Shank Dia.	(L)全長 Overall Length	標準価格 Retail Price
01-00244-00100	1	2	9°	4	45	8,100	01-00244-00400	4	8	9°	6	45	7,000
01-00244-00110	1.1	2.2	9°	4	45	11,200	01-00244-00410	4.1	8.2	9°	6	45	8,800
01-00244-00120	1.2	2.4	9°	4	45	11,200	01-00244-00420	4.2	8.4	9°	6	45	8,800
01-00244-00130	1.3	2.6	9°	4	45	11,200	01-00244-00430	4.3	8.6	9°	6	45	8,800
01-00244-00140	1.4	2.8	9°	4	45	11,200	01-00244-00440	4.4	8.8	9°	6	45	8,800
01-00244-00150	1.5	3	9°	4	45	8,100	01-00244-00450	4.5	9	9°	6	45	8,800
01-00244-00160	1.6	3.2	9°	4	45	11,200	01-00244-00460	4.6	9.2	9°	6	50	9,400
01-00244-00170	1.7	3.4	9°	4	45	11,200	01-00244-00470	4.7	9.4	9°	6	50	9,400
01-00244-00180	1.8	3.6	9°	4	45	11,200	01-00244-00480	4.8	9.6	9°	6	50	9,400
01-00244-00190	1.9	3.8	9°	4	45	11,200	01-00244-00490	4.9	9.8	9°	6	50	9,400
01-00244-00200	2	4	9°	4	45	6,300	01-00244-00500	5	10	9°	6	50	7,700
01-00244-00210	2.1	4.2	9°	4	45	8,100	01-00244-00510	5.1	10.2	9°	6	50	9,400
01-00244-00220	2.2	4.4	9°	4	45	8,100	01-00244-00520	5.2	10.4	9°	6	50	9,400
01-00244-00230	2.3	4.6	9°	4	45	8,100	01-00244-00530	5.3	10.6	9°	6	50	9,400
01-00244-00240	2.4	4.8	9°	4	45	8,100	01-00244-00540	5.4	10.8	9°	6	50	9,400
01-00244-00250	2.5	5	9°	4	45	6,300	01-00244-00550	5.5	11	9°	6	50	9,200
01-00244-00260	2.6	5.2	9°	6	45	8,800	01-00244-00560	5.6	11.2	9°	6	55	9,900
01-00244-00270	2.7	5.4	9°	6	45	8,800	01-00244-00570	5.7	11.4	9°	6	55	9,900
01-00244-00280	2.8	5.6	9°	6	45	8,800	01-00244-00580	5.8	11.6	9°	6	55	9,900
01-00244-00290	2.9	5.8	9°	6	45	8,800	01-00244-00590	5.9	11.8	9°	6	55	9,900
01-00244-00300	3	6	9°	6	45	7,000	01-00244-00600	6	12	—	6	55	7,700
01-00244-00310	3.1	6.2	9°	6	45	8,800	01-00244-00610	6.1	12.2	—	6	55	13,300
01-00244-00320	3.2	6.4	9°	6	45	8,800	01-00244-00620	6.2	12.4	—	6	55	13,300
01-00244-00330	3.3	6.6	9°	6	45	8,800	01-00244-00630	6.3	12.6	—	6	55	13,300
01-00244-00340	3.4	6.8	9°	6	45	8,800	01-00244-00640	6.4	12.8	—	6	55	13,300
01-00244-00350	3.5	7	9°	6	45	8,800	01-00244-00650	6.5	13	—	6	55	14,900
01-00244-00360	3.6	7.2	9°	6	45	8,800	01-00244-00660	6.6	13.2	9°	8	60	18,200
01-00244-00370	3.7	7.4	9°	6	45	8,800	01-00244-00670	6.7	13.4	9°	8	60	18,200
01-00244-00380	3.8	7.6	9°	6	45	8,800	01-00244-00680	6.8	13.6	9°	8	60	18,200
01-00244-00390	3.9	7.8	9°	6	45	8,800	01-00244-00690	6.9	13.8	9°	8	60	18,200

オーダー方法
How to Order

NC-4 外径 (D) を指示してください。 ※ (γ) は参考値です。
When you order, indicate NC-4 (D). ※ (γ) is reference value.

■の規格・サイズは特定商社在庫となります。詳しくはお取引のある商社様へお問い合わせください。
■ Semi-standard products, please inquire for price and delivery.

▲は生産終了品です。在庫が無くなり次第、販売終了となります。
▲ Discontinued products. The marked sizes will no longer be on sale after the stock runs out.

コードNo. Code No.	(D)外径 Dia.	(ℓ)刃長 Length of Cut	(γ)首角 Neck Taper Angle	(d)シャンク径 Shank Dia.	(L)全長 Overall Length	標準価格 Retail Price
01-00244-00700	7	14	9°	8	60	14,900
01-00244-00710	7.1	14.2	9°	8	60	18,200
01-00244-00720	7.2	14.4	9°	8	60	18,200
01-00244-00730	7.3	14.6	9°	8	60	18,200
01-00244-00740	7.4	14.8	9°	8	60	18,200
01-00244-00750	7.5	15	9°	8	60	14,900
01-00244-00760	7.6	15.2	9°	8	60	18,200
01-00244-00770	7.7	15.4	9°	8	60	18,200
01-00244-00780	7.8	15.6	9°	8	60	18,200
01-00244-00790	7.9	15.8	9°	8	60	18,200
01-00244-00800	8	16	—	8	60	10,900
01-00244-00810	8.1	16.2	—	8	60	18,200
01-00244-00820	8.2	16.4	—	8	60	18,200
01-00244-00830	8.3	16.6	—	8	60	18,200
01-00244-00840	8.4	16.8	—	8	60	18,200
01-00244-00850	8.5	17	—	8	60	19,900
01-00244-00860	8.6	17.2	9°	10	65	27,100
01-00244-00870	8.7	17.4	9°	10	65	27,100
01-00244-00880	8.8	17.6	9°	10	65	27,100
01-00244-00890	8.9	17.8	9°	10	65	27,100
01-00244-00900	9	18	9°	10	65	19,900
01-00244-00910	9.1	18.2	9°	10	65	27,100
01-00244-00920	9.2	18.4	9°	10	65	27,100
01-00244-00930	9.3	18.6	9°	10	65	27,100
01-00244-00940	9.4	18.8	9°	10	65	27,100
01-00244-00950	9.5	19	9°	10	65	19,900
01-00244-00960	9.6	19.2	9°	10	70	27,100
01-00244-00970	9.7	19.4	9°	10	70	27,100
01-00244-00980	9.8	19.6	9°	10	70	27,100
01-00244-00990	9.9	19.8	9°	10	70	27,100

▲ 生産終了品
Discontinued Products

コードNo. Code No.	(D)外径 Dia.	(ℓ)刃長 Length of Cut	(γ)首角 Neck Taper Angle	(d)シャンク径 Shank Dia.	(L)全長 Overall Length	標準価格 Retail Price
01-00244-01000	10	20	—	10	70	15,100
01-00244-01010	10.1	20.2	9°	12	75	35,800
01-00244-01020	10.2	20.4	9°	12	75	35,800
01-00244-01030	10.3	20.6	9°	12	75	35,800
01-00244-01040	10.4	20.8	9°	12	75	35,800
01-00244-01050	10.5	21	9°	12	75	35,800
01-00244-01060	10.6	21.2	9°	12	75	35,800
01-00244-01070	10.7	21.4	9°	12	75	35,800
01-00244-01080	10.8	21.6	9°	12	75	35,800
01-00244-01090	10.9	21.8	9°	12	75	35,800
01-00244-01100	11	22	9°	12	75	29,500
01-00244-01110	11.1	22.2	9°	12	75	35,800
01-00244-01120	11.2	22.4	9°	12	75	35,800
01-00244-01130	11.3	22.6	9°	12	75	35,800
01-00244-01140	11.4	22.8	9°	12	75	35,800
01-00244-01150	11.5	23	9°	12	75	35,800
01-00244-01160	11.6	23.2	9°	12	75	35,800
01-00244-01170	11.7	23.4	9°	12	75	35,800
01-00244-01180	11.8	23.6	9°	12	75	35,800
01-00244-01190	11.9	23.8	9°	12	75	35,800
01-00244-01200	12	24	—	12	75	25,300
▲ 01-00244-01400	14	28	—	12	85	35,800
▲ 01-00244-01500	15	30	9°	16	100	44,800
▲ 01-00244-01600	16	32	—	16	100	44,800
▲ 01-00244-01800	18	36	9°	20	110	74,200
▲ 01-00244-02000	20	40	—	20	115	74,200

炭素鋼
Carbon Steel

P

合金鋼
Alloy Steel

P

アルミ合金
Aluminium Alloy

N

銅
Copper

N

樹脂
Resin

O

炭素鋼
Carbon Steel

P

合金鋼
Alloy Steel

P

アルミ合金
Aluminium Alloy

N

銅
Copper

N

樹脂
Resin

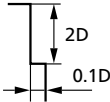
O

○ 炭素鋼
Carbon Steel

P

○ 合金鋼
Alloy Steel

P

被削材 Work Material	炭素鋼 Carbon Steels S50C		合金鋼 Alloy Steels SCM・SKD・SUS		調質鋼 Prehardened Steels HPM・NAK	
切削速度 Cutting Speed	40～50m/min		35～45m/min		25～35m/min	
外 径 Dia.	回転数 Spindle Speed	送り速度 Feed	回転数 Spindle Speed	送り速度 Feed	回転数 Spindle Speed	送り速度 Feed
	min ⁻¹	mm/min	min ⁻¹	mm/min	min ⁻¹	mm/min
1	14,300	250	12,700	220	9,600	190
2	7,200	250	6,400	220	4,800	190
3	4,800	270	4,200	240	3,200	210
4	3,600	270	3,200	240	2,400	210
5	2,900	300	2,500	260	1,900	230
6	2,400	300	2,100	260	1,600	230
7	2,000	300	1,800	260	1,400	230
8	1,800	300	1,600	260	1,200	230
9	1,600	300	1,400	260	1,100	230
10	1,400	300	1,300	260	1,000	230
11	1,300	300	1,200	260	870	230
12	1,200	300	1,100	260	800	230
14	1,020	300	910	260	680	230
15	960	300	850	260	640	230
16	900	300	800	260	600	230
18	800	300	710	260	530	230
20	720	300	640	260	480	230
切込み量 Depth of Cut (D:外径 Dia.)	側面 Side Milling 					
備 考 Notes	※ 1 切削油を使用してください。 ※ 2 側面切削でのみ、使用してください。 ※ 3 回転数と送り速度は同じ割合で調整してください。 ※ 1 Use cutting fluid. ※ 2 It is available only for side milling. ※ 3 Adjust both spindle speed and feed at the same rate.					

○ アルミ合金
Aluminium Alloy

N

○ 銅
Copper

N

○ 樹脂
Resin

O

ノンコーティング
Non-coating

P 炭素鋼
Carbon Steel

○

P 合金鋼
Alloy Steel

○

N アルミ合金
Aluminium Alloy

○

N 銅
Copper

○

O 樹脂
Resin

○

ノンコーティング
Non-coating