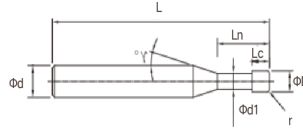


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■ 4 Flute Corner Radius End Mill (Short)

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ΦD	D Tolerance
$D \leq 3$	0--0.010
$3 < D \leq 6$	0--0.012
$6 < D \leq 10$	0--0.015
$10 < D \leq 18$	0--0.018
$D > 18$	0--0.020

(mm)

Order Code	Dia.	Radius	Length of cut	Under Neck Length	Neck Dia.	Overall Length	Shank Dia.	Stock
	ΦD	r	L_c	L_n	$\Phi d1$	L	Φd	
EXHRP-4008R0.05 04050	0.8	0.05	0.8	2.4	0.76	50	4	●
EXHRP-4008R0.1 04050	0.8	0.1	0.8	2.4	0.76	50	4	●
EXHRP-4010R0.05 04050	1	0.05	1	3	0.95	50	4	●
EXHRP-4010R0.1 04050	1	0.1	1	3	0.95	50	4	●
EXHRP-4010R0.2 04050	1	0.2	1	3	0.95	50	4	●
EXHRP-4010R0.3 04050	1	0.3	1	3	0.95	50	4	●
EXHRP-4015R0.05 04050	1.5	0.05	1.5	4.5	1.42	50	4	●
EXHRP-4015R0.1 04050	1.5	0.1	1.5	4.5	1.42	50	4	●
EXHRP-4015R0.2 04050	1.5	0.2	1.5	4.5	1.42	50	4	●
EXHRP-4015R0.3 04050	1.5	0.3	1.5	4.5	1.42	50	4	●
EXHRP-4020R0.05 04050	2	0.05	2	6	1.9	50	4	●
EXHRP-4020R0.1 04050	2	0.1	2	6	1.9	50	4	●
EXHRP-4020R0.2 04050	2	0.2	2	6	1.9	50	4	●
EXHRP-4020R0.3 04050	2	0.3	2	6	1.9	50	4	●
EXHRP-4020R0.5 04050	2	0.5	2	6	1.9	50	4	●
EXHRP-4030R0.1 04050	3	0.1	3	9	2.9	50	4	●
EXHRP-4030R0.1 06060	3	0.1	3	9	2.9	60	6	●
EXHRP-4030R0.1 06075	3	0.1	3	9	2.9	75	6	●
EXHRP-4030R0.2 04050	3	0.2	3	9	2.9	50	4	●
EXHRP-4030R0.2 06050	3	0.2	3	9	2.9	60	6	●
EXHRP-4030R0.2 06060	3	0.2	3	9	2.9	60	6	●
EXHRP-4030R0.2 06075	3	0.2	3	9	2.9	75	6	●
EXHRP-4030R0.3 04050	3	0.3	3	9	2.9	50	4	●
EXHRP-4030R0.3 06060	3	0.3	3	9	2.9	60	6	●
EXHRP-4030R0.3 06075	3	0.3	3	9	2.9	75	6	●
EXHRP-4030R0.5 04050	3	0.5	3	9	2.9	50	4	●
EXHRP-4030R0.5 06050	3	0.5	3	9	2.9	60	6	●
EXHRP-4030R0.5 06060	3	0.5	3	9	2.9	60	6	●
EXHRP-4030R0.5 06075	3	0.5	3	9	2.9	75	6	●
EXHRP-4040R0.1 04050	4	0.1	4	12	3.9	50	4	●
EXHRP-4040R0.1 06060	4	0.1	4	12	3.9	60	6	●
EXHRP-4040R0.1 06075	4	0.1	4	12	3.9	75	6	●
EXHRP-4040R0.2 04050	4	0.2	4	12	3.9	50	4	●
EXHRP-4040R0.2 06050	4	0.2	4	12	3.9	50	6	●

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■ 4 Flute Corner Radius End Mill (Short)

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Order Code	Dia.	Radius	Length of cut	Under Neck Length	Neck Dia.	Overall Length	Shank Dia.	Stock
	ΦD	r	Lc	Ln	Φd1	L	Φd	
EXHRP-4040R0.2 06060	4	0.2	4	12	3.9	60	6	●
EXHRP-4040R0.2 06075	4	0.2	4	12	3.9	75	6	●
EXHRP-4040R0.3 04050	4	0.3	4	12	3.9	50	4	●
EXHRP-4040R0.3 06060	4	0.3	4	12	3.9	60	6	●
EXHRP-4040R0.3 06075	4	0.3	4	12	3.9	75	6	●
EXHRP-4040R0.5 04050	4	0.5	4	12	3.9	50	4	●
EXHRP-4040R0.5 06050	4	0.5	4	12	3.9	50	6	●
EXHRP-4040R0.5 06060	4	0.5	4	12	3.9	60	6	●
EXHRP-4040R0.5 06075	4	0.5	4	12	3.9	75	6	●
EXHRP-4040R1.0 04050	4	1.0	4	12	3.9	50	4	●
EXHRP-4040R1.0 06060	4	1.0	4	12	3.9	60	6	●
EXHRP-4040R1.0 06075	4	1.0	4	12	3.9	75	6	●
EXHRP-4060R0.1 06050	6	0.1	6	18	5.85	50	6	●
EXHRP-4060R0.1 06060	6	0.1	6	18	5.85	60	6	●
EXHRP-4060R0.1 06075	6	0.1	6	18	5.85	75	6	●
EXHRP-4060R0.2 06050	6	0.2	6	18	5.85	50	6	●
EXHRP-4060R0.2 06060	6	0.2	6	18	5.85	60	6	●
EXHRP-4060R0.2 06075	6	0.2	6	18	5.85	75	6	●
EXHRP-4060R0.2 06100	6	0.2	6	18	5.85	100	6	●
EXHRP-4060R0.3 06050	6	0.3	6	18	5.85	50	6	●
EXHRP-4060R0.3 06060	6	0.3	6	18	5.85	60	6	●
EXHRP-4060R0.3 06075	6	0.3	6	18	5.85	75	6	●
EXHRP-4060R0.3 06100	6	0.3	6	18	5.85	100	6	●
EXHRP-4060R0.5 06050	6	0.5	6	18	5.85	50	6	●
EXHRP-4060R0.5 06060	6	0.5	6	18	5.85	60	6	●
EXHRP-4060R0.5 06075	6	0.5	6	18	5.85	75	6	●
EXHRP-4060R0.5 06100	6	0.5	6	18	5.85	100	6	●
EXHRP-4060R1.0 06050	6	1.0	6	18	5.85	50	6	●
EXHRP-4060R1.0 06060	6	1.0	6	18	5.85	60	6	●
EXHRP-4060R1.0 06075	6	1.0	6	18	5.85	75	6	●
EXHRP-4060R1.0 06100	6	1.0	6	18	5.85	100	6	●
EXHRP-4080R0.1 08060	8	0.1	8	24	7.8	60	8	●
EXHRP-4080R0.1 08075	8	0.1	8	24	7.8	75	8	●
EXHRP-4080R0.1 08100	8	0.1	8	24	7.8	100	8	●
EXHRP-4080R0.2 08060	8	0.2	8	24	7.8	60	8	●
EXHRP-4080R0.2 08075	8	0.2	8	24	7.8	75	8	●
EXHRP-4080R0.2 08100	8	0.2	8	24	7.8	100	8	●
EXHRP-4080R0.3 08060	8	0.3	8	24	7.8	60	8	●
EXHRP-4080R0.3 08075	8	0.3	8	24	7.8	75	8	●
EXHRP-4080R0.3 08100	8	0.3	8	24	7.8	100	8	●
EXHRP-4080R0.5 08060	8	0.5	8	24	7.8	60	8	●
EXHRP-4080R0.5 08075	8	0.5	8	24	7.8	75	8	●

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■ 4 Flute Corner Radius End Mill (Short)

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Order Code	Dia.	Radius	Length of cut	Under Neck Length	Neck Dia.	Overall Length	Shank Dia.	Stock
	ΦD	r	Lc	Ln	Φd1	L	Φd	
EXHRP-4080R0.5 08100	8	0.5	8	24	7.8	100	8	●
EXHRP-4080R0.5 08125	8	0.5	8	24	7.8	125	8	●
EXHRP-4080R1.0 08060	8	1.0	8	24	7.8	60	8	●
EXHRP-4080R1.0 08075	8	1.0	8	24	7.8	75	8	●
EXHRP-4080R1.0 08100	8	1.0	8	24	7.8	100	8	●
EXHRP-4080R1.0 08125	8	1.0	8	24	7.8	125	8	●
EXHRP-4100R0.2 10075	10	0.2	10	30	9.8	75	10	●
EXHRP-4100R0.2 10100	10	0.2	10	30	9.8	100	10	●
EXHRP-4100R0.5 10075	10	0.5	10	30	9.8	75	10	●
EXHRP-4100R0.5 10100	10	0.5	10	30	9.8	100	10	●
EXHRP-4100R0.5 10125	10	0.5	10	30	9.8	125	10	●
EXHRP-4100R1.0 10075	10	1	10	30	9.8	75	10	●
EXHRP-4100R1.0 10100	10	1	10	30	9.8	100	10	●
EXHRP-4100R1.0 10125	10	1	10	30	9.8	125	10	●
EXHRP-4100R2.0 10075	10	2	10	30	9.8	75	10	●
EXHRP-4120R0.5 12075	12	0.5	12	36	11.7	75	12	●
EXHRP-4120R0.5 12100	12	0.5	12	36	11.7	100	12	●
EXHRP-4120R0.5 12125	12	0.5	12	36	11.7	125	12	●
EXHRP-4120R1.0 12075	12	1	12	36	11.7	75	12	●
EXHRP-4120R1.0 12100	12	1	12	36	11.7	100	12	●
EXHRP-4120R1.0 12125	12	1	12	36	11.7	125	12	●
EXHRP-4120R2.0 12075	12	2	12	36	11.7	75	12	●
EXHRP-4120R2.0 12100	12	2	12	36	11.7	100	12	●
EXHRP-4120R2.0 12125	12	2	12	36	11.7	125	12	●

■ TABLE OF RECOMMENDED MILLING MATERIALS

CARBON STEELS ALLOY STEELS TOOL STEELS PREHARDNEED STEELS	PREHARDNEED STEELS HARDENED STEELS				STAINLESS STEELS	CAST IRON DUCTILE CAST IRON
~40HRC	~50HRC	~55HRC	~60HRC	~65HRC	~35HRC	~350HB
○	○	○	○	○	○	○
COPPER ALLOYS	ALUMINUM ALLOY	GRAPHITE	TITANIUM ALLOY	HEAT RESISTANT ALLOYS	PLASTIC	
○			○	○		

○ Very suitable ○ Suitable