



- 중저경도강(HRc52이하), 프리하든강 계열, 탄소강, 금형강 등 다양한 피삭재 가공
- JCRO 코팅 처리하여 넓은 영역의 피삭재 가공에 적합합니다.
- 고정밀 공차 적용으로 초정밀 가공에 적합합니다.
- 항절력이 높은 미립자 초경합금(0.5 μ m)을 채택, 엔드밀의 파손을 최소화 하였습니다.

Endmills for various work materials(~HRc52), pre-hardened steels, carbon steels, mold steels

- Optimum for various work materials by JCRO coating.
- High precise edge tolerance.
- Minimize fracturing by high TRS fine(0.5 μ m) WC grade.



Shield Edge 456P

Condition	D Size	D Tolerance	Condition	D Size	D Tolerance
$\varnothing D \neq \varnothing d$	$\varnothing 0.8 \sim 6$	+0 ~ -0.01mm	$\varnothing D = \varnothing d$	$\varnothing 6$	-0.005 ~ -0.015mm
	$\varnothing 8 \sim 12$	+0 ~ -0.015mm		$\varnothing 8 \sim 12$	-0.01 ~ -0.025mm

단위 : mm

Order Number	날경 Diameter D	날장 Length of cut L1	유효장 Effective Length L2	전장 Overall Length L	샤프트 Shank Dia d	비고	Order Number	날경 Diameter D	날장 Length of cut L1	유효장 Effective Length L2	전장 Overall Length L	샤프트 Shank Dia d	비고
4HREG 008 020 S04	0.8	0.9	2	45	4		4HREG 030 250 S06	3	3.6	25	65	6	
4HREG 008 040 S04	0.8	0.9	4	45	4		4HREG 030 300 S06	3	3.6	30	70	6	
4HREG 008 060 S04	0.8	0.9	6	45	4		4HREG 030 350 S06	3	3.6	35	75	6	
4HREG 008 080 S04	0.8	0.9	8	45	4		4HREG 030 400 S06	3	3.6	40	80	6	
4HREG 008 100 S04	0.8	0.9	10	45	4		4HREG 040 100 S06	4	4.8	10	50	6	
4HREG 008 120 S04	0.8	0.9	12	45	4		4HREG 040 120 S06	4	4.8	12	50	6	
4HREG 008 160 S04	0.8	0.9	16	45	4		4HREG 040 160 S06	4	4.8	16	55	6	
4HREG 009 020 S04	0.9	1	2	45	4		4HREG 040 200 S06	4	4.8	20	60	6	
4HREG 009 060 S04	0.9	1	6	45	4		4HREG 040 250 S06	4	4.8	25	65	6	
4HREG 009 080 S04	0.9	1	8	45	4		4HREG 040 300 S06	4	4.8	30	70	6	
4HREG 009 100 S04	0.9	1	10	45	4		4HREG 040 400 S06	4	4.8	40	80	6	
4HREG 010 030 S04	1	1.2	3	45	4		4HREG 040 450 S06	4	4.8	45	90	6	
4HREG 010 040 S04	1	1.2	4	45	4		4HREG 040 500 S06	4	4.8	50	100	6	
4HREG 010 060 S04	1	1.2	6	45	4		4HREG 050 150 S06	5	6	15	55	6	
4HREG 010 080 S04	1	1.2	8	45	4		4HREG 050 200 S06	5	6	20	60	6	
4HREG 010 100 S04	1	1.2	10	50	4		4HREG 050 250 S06	5	6	25	65	6	
4HREG 010 120 S04	1	1.2	12	50	4		4HREG 050 300 S06	5	6	30	70	6	
4HREG 010 160 S04	1	1.2	16	50	4		4HREG 050 400 S06	5	6	40	80	6	
4HREG 010 200 S04	1	1.2	20	50	4		4HREG 050 500 S06	5	6	50	100	6	
4HREG 010 250 S04	1	1.2	25	60	4		4HREG 060 200 S06	6	10	20	60	6	
4HREG 012 060 S04	1.2	1.4	6	45	4		4HREG 060 300 S06	6	10	30	75	6	
4HREG 012 080 S04	1.2	1.4	8	45	4		4HREG 060 400 S06	6	10	40	80	6	
4HREG 012 100 S04	1.2	1.4	10	50	4		4HREG 060 500 S06	6	10	50	90	6	
4HREG 012 120 S04	1.2	1.4	12	50	4		4HREG 080 200 S08	8	12	20	65	8	
4HREG 012 160 S04	1.2	1.4	16	50	4		4HREG 080 300 S08	8	12	30	80	8	
4HREG 015 060 S04	1.5	1.8	6	45	4		4HREG 080 400 S08	8	12	40	100	8	
4HREG 015 080 S04	1.5	1.8	8	45	4		4HREG 100 250 S10	10	15	25	70	10	
4HREG 015 100 S04	1.5	1.8	10	50	4		4HREG 100 350 S10	10	15	35	90	10	
4HREG 015 120 S04	1.5	1.8	12	50	4		4HREG 100 450 S10	10	15	45	110	10	
4HREG 015 160 S04	1.5	1.8	16	50	4		4HREG 120 300 S12	12	18	30	80	12	
4HREG 015 200 S04	1.5	1.8	20	50	4		4HREG 120 400 S12	12	18	40	100	12	
4HREG 015 250 S04	1.5	1.8	25	60	4		4HREG 120 500 S12	12	18	50	120	12	
4HREG 020 060 S04	2	2.4	6	45	4								
4HREG 020 080 S04	2	2.4	8	45	4								
4HREG 020 100 S04	2	2.4	10	50	4								
4HREG 020 120 S04	2	2.4	12	50	4								
4HREG 020 160 S04	2	2.4	16	50	4								
4HREG 020 200 S04	2	2.4	20	50	4								
4HREG 020 250 S04	2	2.4	25	60	4								
4HREG 020 300 S04	2	2.4	30	70	4								
4HREG 025 100 S04	2.5	3	10	50	4								
4HREG 025 120 S04	2.5	3	12	50	4								
4HREG 025 160 S04	2.5	3	16	50	4								
4HREG 025 200 S04	2.5	3	20	50	4								
4HREG 025 250 S04	2.5	3	25	60	4								
4HREG 025 300 S04	2.5	3	30	70	4								
4HREG 030 100 S06	3	3.6	10	50	6								
4HREG 030 120 S06	3	3.6	12	50	6								
4HREG 030 160 S06	3	3.6	16	55	6								
4HREG 030 200 S06	3	3.6	20	60	6								