



- 중저경도강(HRc52이하), 프리하드강 계열, 탄소강, 금형강 등 가공
- J MAX 코팅 처리하여 넓은 영역의 피삭재 가공에 적합합니다.
- 고정밀 공차 적용으로 초정밀 가공에 적합합니다.
- 코너R 형상을 날부치핑이 적도록 설계하였습니다.
- 다양한 코너R과 유효장으로 맞춤 가공이 가능합니다.
- 항절력이 높은 미립자 초경합금(0.5µm)을 채택, 엔드밀의 파손을 최소화
- **Endmills for various work materials(-HRc52), pre-hardened steel, carbon steel, mold steel.**
- Optimum for various work materials by J-MAX coating.
- Designed for minimizing edge chipping by corner R shape.
- Various corner R and flute length for wide range application.
- High precise edge tolerance.
- Minimize fracturing by high TRS fine(0.5µm) WC grade.

4

WC
미립자

JMAX
Coating

R
±0.005

R
±0.01

R
±0.015

35°
Helix Angle

R0.05 ~ 0.5 R1 ~ 1.5 R2 ~ 3

| D Size | D Tolerance |
|---------|-------------------|
| Ø1 ~ 5 | +0 ~ -0.01mm |
| Ø6 ~ 12 | -0.005 ~ -0.015mm |

단위 : mm

| Order Number | 날경 Diameter D × R | 날장 Length of cut L1 | 유효장 Effective Length L2 | 전장 Overall Length L | 샙크 Shank Dia d | 비고 | Order Number | 날경 Diameter D × R | 날장 Length of cut L1 | 유효장 Effective Length L2 | 전장 Overall Length L | 샙크 Shank Dia d | 비고 |
|--------------------|-------------------------|---------------------------|-------------------------------|---------------------------|----------------------|----|-------------------|-------------------------|---------------------------|-------------------------------|---------------------------|----------------------|----|
| 4CREG 010 0005 040 | 1 X R0.05 | 1.2 | 4 | 45 | 4 | | 4CREG 012 003 200 | 1.2 X R0.3 | 1.4 | 20 | 50 | 4 | |
| 4CREG 010 0005 060 | 1 X R0.05 | 1.2 | 6 | 45 | 4 | | 4CREG 015 001 060 | 1.5 X R0.1 | 1.8 | 6 | 45 | 4 | |
| 4CREG 010 0005 080 | 1 X R0.05 | 1.2 | 8 | 45 | 4 | | 4CREG 015 001 080 | 1.5 X R0.1 | 1.8 | 8 | 45 | 4 | |
| 4CREG 010 0005 100 | 1 X R0.05 | 1.2 | 10 | 50 | 4 | | 4CREG 015 001 100 | 1.5 X R0.1 | 1.8 | 10 | 50 | 4 | |
| 4CREG 010 0005 120 | 1 X R0.05 | 1.2 | 12 | 50 | 4 | | 4CREG 015 001 120 | 1.5 X R0.1 | 1.8 | 12 | 50 | 4 | |
| 4CREG 010 0005 160 | 1 X R0.05 | 1.2 | 16 | 50 | 4 | | 4CREG 015 001 160 | 1.5 X R0.1 | 1.8 | 16 | 50 | 4 | |
| 4CREG 010 0005 200 | 1 X R0.05 | 1.2 | 20 | 50 | 4 | | 4CREG 015 001 200 | 1.5 X R0.1 | 1.8 | 20 | 50 | 4 | |
| 4CREG 010 001 040 | 1 X R0.1 | 1.2 | 4 | 45 | 4 | | 4CREG 015 001 220 | 1.5 X R0.1 | 1.8 | 22 | 60 | 4 | |
| 4CREG 010 001 060 | 1 X R0.1 | 1.2 | 6 | 45 | 4 | | 4CREG 015 001 250 | 1.5 X R0.1 | 1.8 | 25 | 60 | 4 | |
| 4CREG 010 001 080 | 1 X R0.1 | 1.2 | 8 | 45 | 4 | | 4CREG 015 002 060 | 1.5 X R0.2 | 1.8 | 6 | 45 | 4 | |
| 4CREG 010 001 100 | 1 X R0.1 | 1.2 | 10 | 50 | 4 | | 4CREG 015 002 080 | 1.5 X R0.2 | 1.8 | 8 | 45 | 4 | |
| 4CREG 010 001 120 | 1 X R0.1 | 1.2 | 12 | 50 | 4 | | 4CREG 015 002 100 | 1.5 X R0.2 | 1.8 | 10 | 50 | 4 | |
| 4CREG 010 001 160 | 1 X R0.1 | 1.2 | 16 | 50 | 4 | | 4CREG 015 002 120 | 1.5 X R0.2 | 1.8 | 12 | 50 | 4 | |
| 4CREG 010 001 200 | 1 X R0.1 | 1.2 | 20 | 50 | 4 | | 4CREG 015 002 160 | 1.5 X R0.2 | 1.8 | 16 | 50 | 4 | |
| 4CREG 010 002 040 | 1 X R0.2 | 1.2 | 4 | 45 | 4 | | 4CREG 015 002 200 | 1.5 X R0.2 | 1.8 | 20 | 50 | 4 | |
| 4CREG 010 002 060 | 1 X R0.2 | 1.2 | 6 | 45 | 4 | | 4CREG 015 002 220 | 1.5 X R0.2 | 1.8 | 22 | 60 | 4 | |
| 4CREG 010 002 080 | 1 X R0.2 | 1.2 | 8 | 45 | 4 | | 4CREG 015 002 250 | 1.5 X R0.2 | 1.8 | 25 | 60 | 4 | |
| 4CREG 010 002 100 | 1 X R0.2 | 1.2 | 10 | 50 | 4 | | 4CREG 015 003 060 | 1.5 X R0.3 | 1.8 | 6 | 45 | 4 | |
| 4CREG 010 002 120 | 1 X R0.2 | 1.2 | 12 | 50 | 4 | | 4CREG 015 003 080 | 1.5 X R0.3 | 1.8 | 8 | 45 | 4 | |
| 4CREG 010 002 160 | 1 X R0.2 | 1.2 | 16 | 50 | 4 | | 4CREG 015 003 100 | 1.5 X R0.3 | 1.8 | 10 | 50 | 4 | |
| 4CREG 010 002 200 | 1 X R0.2 | 1.2 | 20 | 50 | 4 | | 4CREG 015 003 120 | 1.5 X R0.3 | 1.8 | 12 | 50 | 4 | |
| 4CREG 010 003 040 | 1 X R0.3 | 1.2 | 4 | 45 | 4 | | 4CREG 015 003 160 | 1.5 X R0.3 | 1.8 | 16 | 50 | 4 | |
| 4CREG 010 003 060 | 1 X R0.3 | 1.2 | 6 | 45 | 4 | | 4CREG 015 003 200 | 1.5 X R0.3 | 1.8 | 20 | 50 | 4 | |
| 4CREG 010 003 080 | 1 X R0.3 | 1.2 | 8 | 45 | 4 | | 4CREG 015 003 220 | 1.5 X R0.3 | 1.8 | 22 | 60 | 4 | |
| 4CREG 010 003 100 | 1 X R0.3 | 1.2 | 10 | 50 | 4 | | 4CREG 015 003 250 | 1.5 X R0.3 | 1.8 | 25 | 60 | 4 | |
| 4CREG 010 003 120 | 1 X R0.3 | 1.2 | 12 | 50 | 4 | | 4CREG 015 005 060 | 1.5 X R0.5 | 1.8 | 6 | 45 | 4 | |
| 4CREG 010 003 160 | 1 X R0.3 | 1.2 | 16 | 50 | 4 | | 4CREG 015 005 080 | 1.5 X R0.5 | 1.8 | 8 | 45 | 4 | |
| 4CREG 010 003 200 | 1 X R0.3 | 1.2 | 20 | 50 | 4 | | 4CREG 015 005 100 | 1.5 X R0.5 | 1.8 | 10 | 50 | 4 | |
| 4CREG 012 001 040 | 1.2 X R0.1 | 1.4 | 4 | 45 | 4 | | 4CREG 015 005 120 | 1.5 X R0.5 | 1.8 | 12 | 50 | 4 | |
| 4CREG 012 001 060 | 1.2 X R0.1 | 1.4 | 6 | 45 | 4 | | 4CREG 015 005 160 | 1.5 X R0.5 | 1.8 | 16 | 50 | 4 | |
| 4CREG 012 001 080 | 1.2 X R0.1 | 1.4 | 8 | 45 | 4 | | 4CREG 015 005 200 | 1.5 X R0.5 | 1.8 | 20 | 50 | 4 | |
| 4CREG 012 001 100 | 1.2 X R0.1 | 1.4 | 10 | 50 | 4 | | 4CREG 015 005 220 | 1.5 X R0.5 | 1.8 | 22 | 60 | 4 | |
| 4CREG 012 001 120 | 1.2 X R0.1 | 1.4 | 12 | 50 | 4 | | 4CREG 015 005 250 | 1.5 X R0.5 | 1.8 | 25 | 60 | 4 | |
| 4CREG 012 001 160 | 1.2 X R0.1 | 1.4 | 16 | 50 | 4 | | 4CREG 020 001 060 | 2 X R0.1 | 2.4 | 6 | 45 | 4 | |
| 4CREG 012 001 200 | 1.2 X R0.1 | 1.4 | 20 | 50 | 4 | | 4CREG 020 001 080 | 2 X R0.1 | 2.4 | 8 | 45 | 4 | |
| 4CREG 012 002 040 | 1.2 X R0.2 | 1.4 | 4 | 45 | 4 | | 4CREG 020 001 100 | 2 X R0.1 | 2.4 | 10 | 50 | 4 | |
| 4CREG 012 002 060 | 1.2 X R0.2 | 1.4 | 6 | 45 | 4 | | 4CREG 020 001 120 | 2 X R0.1 | 2.4 | 12 | 50 | 4 | |
| 4CREG 012 002 080 | 1.2 X R0.2 | 1.4 | 8 | 45 | 4 | | 4CREG 020 001 160 | 2 X R0.1 | 2.4 | 16 | 50 | 4 | |
| 4CREG 012 002 100 | 1.2 X R0.2 | 1.4 | 10 | 50 | 4 | | 4CREG 020 001 200 | 2 X R0.1 | 2.4 | 20 | 50 | 4 | |
| 4CREG 012 002 120 | 1.2 X R0.2 | 1.4 | 12 | 50 | 4 | | 4CREG 020 001 250 | 2 X R0.1 | 2.4 | 25 | 60 | 4 | |
| 4CREG 012 002 160 | 1.2 X R0.2 | 1.4 | 16 | 50 | 4 | | 4CREG 020 001 300 | 2 X R0.1 | 2.4 | 30 | 70 | 4 | |
| 4CREG 012 002 200 | 1.2 X R0.2 | 1.4 | 20 | 50 | 4 | | 4CREG 020 001 350 | 2 X R0.1 | 2.4 | 35 | 70 | 4 | |
| 4CREG 012 003 040 | 1.2 X R0.3 | 1.4 | 4 | 45 | 4 | | 4CREG 020 002 060 | 2 X R0.2 | 2.4 | 6 | 45 | 4 | |
| 4CREG 012 003 060 | 1.2 X R0.3 | 1.4 | 6 | 45 | 4 | | 4CREG 020 002 080 | 2 X R0.2 | 2.4 | 8 | 45 | 4 | |
| 4CREG 012 003 080 | 1.2 X R0.3 | 1.4 | 8 | 45 | 4 | | 4CREG 020 002 100 | 2 X R0.2 | 2.4 | 10 | 50 | 4 | |
| 4CREG 012 003 100 | 1.2 X R0.3 | 1.4 | 10 | 50 | 4 | | 4CREG 020 002 120 | 2 X R0.2 | 2.4 | 12 | 50 | 4 | |
| 4CREG 012 003 120 | 1.2 X R0.3 | 1.4 | 12 | 50 | 4 | | 4CREG 020 002 160 | 2 X R0.2 | 2.4 | 16 | 50 | 4 | |
| 4CREG 012 003 160 | 1.2 X R0.3 | 1.4 | 16 | 50 | 4 | | 4CREG 020 002 200 | 2 X R0.2 | 2.4 | 20 | 50 | 4 | |



단위 : mm

| Order Number | 날경 D×R | 날장 L1 | 유효장 L2 | 전장 L | 샤프크 Dia d | 비고 | Order Number | 날경 D×R | 날장 L1 | 유효장 L2 | 전장 L | 샤프크 Dia d | 비고 |
|-------------------|------------|----------|-----------|---------|-----------------|----|-------------------|-----------|----------|-----------|---------|-----------------|----|
| 4CREG 020 002 250 | 2 X R0.2 | 2.4 | 25 | 60 | 4 | | 4CREG 030 003 400 | 3 X R0.3 | 3.6 | 40 | 80 | 6 | |
| 4CREG 020 002 300 | 2 X R0.2 | 2.4 | 30 | 70 | 4 | | 4CREG 030 003 500 | 3 X R0.3 | 3.6 | 50 | 100 | 6 | |
| 4CREG 020 002 350 | 2 X R0.2 | 2.4 | 35 | 70 | 4 | | 4CREG 030 005 100 | 3 X R0.5 | 3.6 | 10 | 50 | 6 | |
| 4CREG 020 003 060 | 2 X R0.3 | 2.4 | 6 | 45 | 4 | | 4CREG 030 005 160 | 3 X R0.5 | 3.6 | 16 | 55 | 6 | |
| 4CREG 020 003 080 | 2 X R0.3 | 2.4 | 8 | 45 | 4 | | 4CREG 030 005 200 | 3 X R0.5 | 3.6 | 20 | 60 | 6 | |
| 4CREG 020 003 100 | 2 X R0.3 | 2.4 | 10 | 50 | 4 | | 4CREG 030 005 250 | 3 X R0.5 | 3.6 | 25 | 65 | 6 | |
| 4CREG 020 003 120 | 2 X R0.3 | 2.4 | 12 | 50 | 4 | | 4CREG 030 005 300 | 3 X R0.5 | 3.6 | 30 | 70 | 6 | |
| 4CREG 020 003 160 | 2 X R0.3 | 2.4 | 16 | 50 | 4 | | 4CREG 030 005 350 | 3 X R0.5 | 3.6 | 35 | 75 | 6 | |
| 4CREG 020 003 200 | 2 X R0.3 | 2.4 | 20 | 50 | 4 | | 4CREG 030 005 400 | 3 X R0.5 | 3.6 | 40 | 80 | 6 | |
| 4CREG 020 003 250 | 2 X R0.3 | 2.4 | 25 | 60 | 4 | | 4CREG 030 005 500 | 3 X R0.5 | 3.6 | 50 | 100 | 6 | |
| 4CREG 020 003 300 | 2 X R0.3 | 2.4 | 30 | 70 | 4 | | 4CREG 030 010 100 | 3 X R1 | 3.6 | 10 | 50 | 6 | |
| 4CREG 020 003 350 | 2 X R0.3 | 2.4 | 35 | 70 | 4 | | 4CREG 030 010 160 | 3 X R1 | 3.6 | 16 | 55 | 6 | |
| 4CREG 020 005 060 | 2 X R0.5 | 2.4 | 6 | 45 | 4 | | 4CREG 030 010 200 | 3 X R1 | 3.6 | 20 | 60 | 6 | |
| 4CREG 020 005 080 | 2 X R0.5 | 2.4 | 8 | 45 | 4 | | 4CREG 030 010 250 | 3 X R1 | 3.6 | 25 | 65 | 6 | |
| 4CREG 020 005 100 | 2 X R0.5 | 2.4 | 10 | 50 | 4 | | 4CREG 030 010 300 | 3 X R1 | 3.6 | 30 | 70 | 6 | |
| 4CREG 020 005 120 | 2 X R0.5 | 2.4 | 12 | 50 | 4 | | 4CREG 030 010 350 | 3 X R1 | 3.6 | 35 | 75 | 6 | |
| 4CREG 020 005 160 | 2 X R0.5 | 2.4 | 16 | 50 | 4 | | 4CREG 030 010 400 | 3 X R1 | 3.6 | 40 | 80 | 6 | |
| 4CREG 020 005 200 | 2 X R0.5 | 2.4 | 20 | 50 | 4 | | 4CREG 030 010 500 | 3 X R1 | 3.6 | 50 | 100 | 6 | |
| 4CREG 020 005 250 | 2 X R0.5 | 2.4 | 25 | 60 | 4 | | 4CREG 040 001 050 | 4 X R0.1 | 4.8 | 12 | 50 | 4 | |
| 4CREG 020 005 300 | 2 X R0.5 | 2.4 | 30 | 70 | 4 | | 4CREG 040 001 070 | 4 X R0.1 | 4.8 | 20 | 70 | 4 | |
| 4CREG 020 005 350 | 2 X R0.5 | 2.4 | 35 | 70 | 4 | | 4CREG 040 001 120 | 4 X R0.1 | 4.8 | 12 | 50 | 6 | |
| 4CREG 025 001 100 | 2.5 X R0.1 | 3 | 10 | 50 | 4 | | 4CREG 040 001 160 | 4 X R0.1 | 4.8 | 16 | 55 | 6 | |
| 4CREG 025 001 160 | 2.5 X R0.1 | 3 | 16 | 50 | 4 | | 4CREG 040 001 200 | 4 X R0.1 | 4.8 | 20 | 60 | 6 | |
| 4CREG 025 001 200 | 2.5 X R0.1 | 3 | 20 | 50 | 4 | | 4CREG 040 001 250 | 4 X R0.1 | 4.8 | 25 | 65 | 6 | |
| 4CREG 025 001 250 | 2.5 X R0.1 | 3 | 25 | 60 | 4 | | 4CREG 040 001 300 | 4 X R0.1 | 4.8 | 30 | 70 | 6 | |
| 4CREG 025 001 300 | 2.5 X R0.1 | 3 | 30 | 70 | 4 | | 4CREG 040 001 350 | 4 X R0.1 | 4.8 | 35 | 75 | 6 | |
| 4CREG 025 002 100 | 2.5 X R0.2 | 3 | 10 | 50 | 4 | | 4CREG 040 001 400 | 4 X R0.1 | 4.8 | 40 | 80 | 6 | |
| 4CREG 025 002 160 | 2.5 X R0.2 | 3 | 16 | 50 | 4 | | 4CREG 040 001 450 | 4 X R0.1 | 4.8 | 45 | 90 | 6 | |
| 4CREG 025 002 200 | 2.5 X R0.2 | 3 | 20 | 50 | 4 | | 4CREG 040 001 500 | 4 X R0.1 | 4.8 | 50 | 100 | 6 | |
| 4CREG 025 002 250 | 2.5 X R0.2 | 3 | 25 | 60 | 4 | | 4CREG 040 002 050 | 4 X R0.2 | 4.8 | 12 | 50 | 4 | |
| 4CREG 025 002 300 | 2.5 X R0.2 | 3 | 30 | 70 | 4 | | 4CREG 040 002 070 | 4 X R0.2 | 4.8 | 20 | 70 | 4 | |
| 4CREG 025 003 100 | 2.5 X R0.3 | 3 | 10 | 50 | 4 | | 4CREG 040 002 120 | 4 X R0.2 | 4.8 | 12 | 50 | 6 | |
| 4CREG 025 003 160 | 2.5 X R0.3 | 3 | 16 | 50 | 4 | | 4CREG 040 002 160 | 4 X R0.2 | 4.8 | 16 | 55 | 6 | |
| 4CREG 025 003 200 | 2.5 X R0.3 | 3 | 20 | 50 | 4 | | 4CREG 040 002 200 | 4 X R0.2 | 4.8 | 20 | 60 | 6 | |
| 4CREG 025 003 250 | 2.5 X R0.3 | 3 | 25 | 60 | 4 | | 4CREG 040 002 250 | 4 X R0.2 | 4.8 | 25 | 65 | 6 | |
| 4CREG 025 003 300 | 2.5 X R0.3 | 3 | 30 | 70 | 4 | | 4CREG 040 002 300 | 4 X R0.2 | 4.8 | 30 | 70 | 6 | |
| 4CREG 025 005 100 | 2.5 X R0.5 | 3 | 10 | 50 | 4 | | 4CREG 040 002 350 | 4 X R0.2 | 4.8 | 35 | 75 | 6 | |
| 4CREG 025 005 160 | 2.5 X R0.5 | 3 | 16 | 50 | 4 | | 4CREG 040 002 400 | 4 X R0.2 | 4.8 | 40 | 80 | 6 | |
| 4CREG 025 005 200 | 2.5 X R0.5 | 3 | 20 | 50 | 4 | | 4CREG 040 002 450 | 4 X R0.2 | 4.8 | 45 | 90 | 6 | |
| 4CREG 025 005 250 | 2.5 X R0.5 | 3 | 25 | 60 | 4 | | 4CREG 040 002 500 | 4 X R0.2 | 4.8 | 50 | 100 | 6 | |
| 4CREG 025 005 300 | 2.5 X R0.5 | 3 | 30 | 70 | 4 | | 4CREG 040 003 050 | 4 X R0.3 | 4.8 | 12 | 50 | 4 | |
| 4CREG 030 001 100 | 3 X R0.1 | 3.6 | 10 | 50 | 6 | | 4CREG 040 003 070 | 4 X R0.3 | 4.8 | 20 | 70 | 4 | |
| 4CREG 030 001 160 | 3 X R0.1 | 3.6 | 16 | 55 | 6 | | 4CREG 040 003 120 | 4 X R0.3 | 4.8 | 12 | 50 | 6 | |
| 4CREG 030 001 200 | 3 X R0.1 | 3.6 | 20 | 60 | 6 | | 4CREG 040 003 160 | 4 X R0.3 | 4.8 | 16 | 55 | 6 | |
| 4CREG 030 001 250 | 3 X R0.1 | 3.6 | 25 | 65 | 6 | | 4CREG 040 003 200 | 4 X R0.3 | 4.8 | 20 | 60 | 6 | |
| 4CREG 030 001 300 | 3 X R0.1 | 3.6 | 30 | 70 | 6 | | 4CREG 040 003 250 | 4 X R0.3 | 4.8 | 25 | 65 | 6 | |
| 4CREG 030 001 350 | 3 X R0.1 | 3.6 | 35 | 75 | 6 | | 4CREG 040 003 300 | 4 X R0.3 | 4.8 | 30 | 70 | 6 | |
| 4CREG 030 001 400 | 3 X R0.1 | 3.6 | 40 | 80 | 6 | | 4CREG 040 003 350 | 4 X R0.3 | 4.8 | 35 | 75 | 6 | |
| 4CREG 030 001 500 | 3 X R0.1 | 3.6 | 50 | 100 | 6 | | 4CREG 040 003 400 | 4 X R0.3 | 4.8 | 40 | 80 | 6 | |
| 4CREG 030 002 100 | 3 X R0.2 | 3.6 | 10 | 50 | 6 | | 4CREG 040 003 450 | 4 X R0.3 | 4.8 | 45 | 90 | 6 | |
| 4CREG 030 002 160 | 3 X R0.2 | 3.6 | 16 | 55 | 6 | | 4CREG 040 003 500 | 4 X R0.3 | 4.8 | 50 | 100 | 6 | |
| 4CREG 030 002 200 | 3 X R0.2 | 3.6 | 20 | 60 | 6 | | 4CREG 040 005 050 | 4 X R0.5 | 4.8 | 12 | 50 | 4 | |
| 4CREG 030 002 250 | 3 X R0.2 | 3.6 | 25 | 65 | 6 | | 4CREG 040 005 070 | 4 X R0.5 | 4.8 | 20 | 70 | 4 | |
| 4CREG 030 002 300 | 3 X R0.2 | 3.6 | 30 | 70 | 6 | | 4CREG 040 005 120 | 4 X R0.5 | 4.8 | 12 | 50 | 6 | |
| 4CREG 030 002 350 | 3 X R0.2 | 3.6 | 35 | 75 | 6 | | 4CREG 040 005 160 | 4 X R0.5 | 4.8 | 16 | 55 | 6 | |
| 4CREG 030 002 400 | 3 X R0.2 | 3.6 | 40 | 80 | 6 | | 4CREG 040 005 200 | 4 X R0.5 | 4.8 | 20 | 60 | 6 | |
| 4CREG 030 002 500 | 3 X R0.2 | 3.6 | 50 | 100 | 6 | | 4CREG 040 005 250 | 4 X R0.5 | 4.8 | 25 | 65 | 6 | |
| 4CREG 030 003 100 | 3 X R0.3 | 3.6 | 10 | 50 | 6 | | 4CREG 040 005 300 | 4 X R0.5 | 4.8 | 30 | 70 | 6 | |
| 4CREG 030 003 160 | 3 X R0.3 | 3.6 | 16 | 55 | 6 | | 4CREG 040 005 350 | 4 X R0.5 | 4.8 | 35 | 75 | 6 | |
| 4CREG 030 003 200 | 3 X R0.3 | 3.6 | 20 | 60 | 6 | | 4CREG 040 005 400 | 4 X R0.5 | 4.8 | 40 | 80 | 6 | |
| 4CREG 030 003 250 | 3 X R0.3 | 3.6 | 25 | 65 | 6 | | 4CREG 040 005 450 | 4 X R0.5 | 4.8 | 45 | 90 | 6 | |
| 4CREG 030 003 300 | 3 X R0.3 | 3.6 | 30 | 70 | 6 | | 4CREG 040 005 500 | 4 X R0.5 | 4.8 | 50 | 100 | 6 | |
| 4CREG 030 003 350 | 3 X R0.3 | 3.6 | 35 | 75 | 6 | | 4CREG 040 010 050 | 4 X R1 | 4.8 | 12 | 50 | 4 | |

G series

단위 : mm

G series

| Order Number | 날경 Diameter D×R | 날장 Length of cut L1 | 유효장 Effective Length L2 | 전장 Overall Length L | 샙크 Shank Dia d | 비고 | Order Number | 날경 Diameter D×R | 날장 Length of cut L1 | 유효장 Effective Length L2 | 전장 Overall Length L | 샙크 Shank Dia d | 비고 |
|-------------------|-----------------------|------------------------------|----------------------------------|------------------------------|-------------------------|----|-------------------|-----------------------|------------------------------|----------------------------------|------------------------------|-------------------------|----|
| 4CREG 040 010 070 | 4 X R1 | 4.8 | 20 | 70 | 4 | | 4CREG 100 015 240 | 10 X R1.5 | 11 | 24 | 70 | 10 | |
| 4CREG 040 010 120 | 4 X R1 | 4.8 | 12 | 50 | 6 | | 4CREG 100 015 400 | 10 X R1.5 | 11 | 40 | 100 | 10 | |
| 4CREG 040 010 160 | 4 X R1 | 4.8 | 16 | 55 | 6 | | 4CREG 100 020 240 | 10 X R2 | 11 | 24 | 70 | 10 | |
| 4CREG 040 010 200 | 4 X R1 | 4.8 | 20 | 60 | 6 | | 4CREG 100 025 240 | 10 X R2.5 | 11 | 24 | 70 | 10 | |
| 4CREG 040 010 250 | 4 X R1 | 4.8 | 25 | 65 | 6 | | 4CREG 120 003 260 | 12 X R0.3 | 13 | 26 | 80 | 12 | |
| 4CREG 040 010 300 | 4 X R1 | 4.8 | 30 | 70 | 6 | | 4CREG 120 005 260 | 12 X R0.5 | 13 | 26 | 80 | 12 | |
| 4CREG 040 010 350 | 4 X R1 | 4.8 | 35 | 75 | 6 | | 4CREG 120 005 400 | 12 X R0.5 | 13 | 40 | 110 | 12 | |
| 4CREG 040 010 400 | 4 X R1 | 4.8 | 40 | 80 | 6 | | 4CREG 120 010 260 | 12 X R1 | 13 | 26 | 80 | 12 | |
| 4CREG 040 010 450 | 4 X R1 | 4.8 | 45 | 90 | 6 | | 4CREG 120 010 400 | 12 X R1 | 13 | 40 | 110 | 12 | |
| 4CREG 040 010 500 | 4 X R1 | 4.8 | 50 | 100 | 6 | | 4CREG 120 015 260 | 12 X R1.5 | 13 | 26 | 80 | 12 | |
| 4CREG 050 001 150 | 5 X R0.1 | 6 | 15 | 55 | 6 | | 4CREG 120 015 400 | 12 X R1.5 | 13 | 40 | 110 | 12 | |
| 4CREG 050 001 300 | 5 X R0.1 | 6 | 30 | 70 | 6 | | 4CREG 120 020 260 | 12 X R2 | 13 | 26 | 80 | 12 | |
| 4CREG 050 001 400 | 5 X R0.1 | 6 | 40 | 80 | 6 | | 4CREG 120 030 260 | 12 X R3 | 13 | 26 | 80 | 12 | |
| 4CREG 050 001 500 | 5 X R0.1 | 6 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 050 002 150 | 5 X R0.2 | 6 | 15 | 55 | 6 | | | | | | | | |
| 4CREG 050 002 300 | 5 X R0.2 | 6 | 30 | 70 | 6 | | | | | | | | |
| 4CREG 050 002 400 | 5 X R0.2 | 6 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 050 002 500 | 5 X R0.2 | 6 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 050 003 150 | 5 X R0.3 | 6 | 15 | 55 | 6 | | | | | | | | |
| 4CREG 050 003 300 | 5 X R0.3 | 6 | 30 | 70 | 6 | | | | | | | | |
| 4CREG 050 003 400 | 5 X R0.3 | 6 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 050 003 500 | 5 X R0.3 | 6 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 050 005 150 | 5 X R0.5 | 6 | 15 | 55 | 6 | | | | | | | | |
| 4CREG 050 005 300 | 5 X R0.5 | 6 | 30 | 70 | 6 | | | | | | | | |
| 4CREG 050 005 400 | 5 X R0.5 | 6 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 050 005 500 | 5 X R0.5 | 6 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 050 010 150 | 5 X R1 | 6 | 15 | 55 | 6 | | | | | | | | |
| 4CREG 050 010 300 | 5 X R1 | 6 | 30 | 70 | 6 | | | | | | | | |
| 4CREG 050 010 400 | 5 X R1 | 6 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 050 010 500 | 5 X R1 | 6 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 060 001 200 | 6 X R0.1 | 7 | 20 | 60 | 6 | | | | | | | | |
| 4CREG 060 001 400 | 6 X R0.1 | 7 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 060 001 500 | 6 X R0.1 | 7 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 060 002 200 | 6 X R0.2 | 7 | 20 | 60 | 6 | | | | | | | | |
| 4CREG 060 002 400 | 6 X R0.2 | 7 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 060 002 500 | 6 X R0.2 | 7 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 060 003 200 | 6 X R0.3 | 7 | 20 | 60 | 6 | | | | | | | | |
| 4CREG 060 003 400 | 6 X R0.3 | 7 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 060 003 500 | 6 X R0.3 | 7 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 060 005 200 | 6 X R0.5 | 7 | 20 | 60 | 6 | | | | | | | | |
| 4CREG 060 005 400 | 6 X R0.5 | 7 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 060 005 500 | 6 X R0.5 | 7 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 060 010 200 | 6 X R1 | 7 | 20 | 60 | 6 | | | | | | | | |
| 4CREG 060 010 400 | 6 X R1 | 7 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 060 010 500 | 6 X R1 | 7 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 060 015 200 | 6 X R1.5 | 7 | 20 | 60 | 6 | | | | | | | | |
| 4CREG 060 015 400 | 6 X R1.5 | 7 | 40 | 80 | 6 | | | | | | | | |
| 4CREG 060 015 500 | 6 X R1.5 | 7 | 50 | 100 | 6 | | | | | | | | |
| 4CREG 080 002 220 | 8 X R0.2 | 9 | 22 | 65 | 8 | | | | | | | | |
| 4CREG 080 003 220 | 8 X R0.3 | 9 | 22 | 65 | 8 | | | | | | | | |
| 4CREG 080 005 220 | 8 X R0.5 | 9 | 22 | 65 | 8 | | | | | | | | |
| 4CREG 080 005 400 | 8 X R0.5 | 9 | 40 | 100 | 8 | | | | | | | | |
| 4CREG 080 010 220 | 8 X R1 | 9 | 22 | 65 | 8 | | | | | | | | |
| 4CREG 080 010 400 | 8 X R1 | 9 | 40 | 100 | 8 | | | | | | | | |
| 4CREG 080 015 220 | 8 X R1.5 | 9 | 22 | 65 | 8 | | | | | | | | |
| 4CREG 080 015 400 | 8 X R1.5 | 9 | 40 | 100 | 8 | | | | | | | | |
| 4CREG 080 020 220 | 8 X R2 | 9 | 22 | 65 | 8 | | | | | | | | |
| 4CREG 100 002 240 | 10 X R0.2 | 11 | 24 | 70 | 10 | | | | | | | | |
| 4CREG 100 003 240 | 10 X R0.3 | 11 | 24 | 70 | 10 | | | | | | | | |
| 4CREG 100 005 240 | 10 X R0.5 | 11 | 24 | 70 | 10 | | | | | | | | |
| 4CREG 100 005 400 | 10 X R0.5 | 11 | 40 | 100 | 10 | | | | | | | | |
| 4CREG 100 010 240 | 10 X R1 | 11 | 24 | 70 | 10 | | | | | | | | |
| 4CREG 100 010 400 | 10 X R1 | 11 | 40 | 100 | 10 | | | | | | | | |