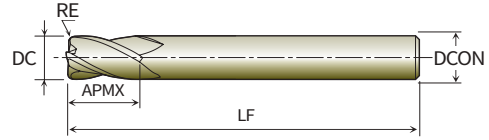


4HCR

4 Ağızlı Kısa ve Uzun Köşe Radüs Frezeler

4 Flutes Corner Radius End Mills



(Unit: mm)

제품코드 Product Code	직경 DC	날수 ZEPF	반경 RE	날장 APMX	생크경 DCON	전장 LF
4HCR-010-R002-025-445	1	4	R0.02	2.5	4	45
4HCR-010-R005-025-445	1	4	R0.05	2.5	4	45
4HCR-010-R01-025-445	1	4	R0.1	2.5	4	45
4HCR-010-R02-025-445	1	4	R0.2	2.5	4	45
4HCR-010-R03-025-445	1	4	R0.3	2.5	4	45
4HCR-012-R002-032-445	1.2	4	R0.02	3.2	4	45
4HCR-012-R005-032-445	1.2	4	R0.05	3.2	4	45
4HCR-012-R01-032-445	1.2	4	R0.1	3.2	4	45
4HCR-012-R02-032-445	1.2	4	R0.2	3.2	4	45
4HCR-012-R03-032-445	1.2	4	R0.3	3.2	4	45
4HCR-015-R002-040-445	1.5	4	R0.02	4	4	45
4HCR-015-R005-040-445	1.5	4	R0.05	4	4	45
4HCR-015-R01-040-445	1.5	4	R0.1	4	4	45
4HCR-015-R02-040-445	1.5	4	R0.2	4	4	45
4HCR-015-R03-040-445	1.5	4	R0.3	4	4	45
4HCR-015-R05-040-445	1.5	4	R0.5	4	4	45
4HCR-020-R002-060-445	2	4	R0.02	6	4	45
4HCR-020-R005-060-445	2	4	R0.05	6	4	45
4HCR-020-R01-060-445	2	4	R0.1	6	4	45
4HCR-020-R02-060-445	2	4	R0.2	6	4	45
4HCR-020-R03-060-445	2	4	R0.3	6	4	45
4HCR-020-R05-060-445	2	4	R0.5	6	4	45
4HCR-025-R005-060-450	2.5	4	R0.05	6	4	50
4HCR-025-R01-060-450	2.5	4	R0.1	6	4	50
4HCR-025-R02-060-450	2.5	4	R0.2	6	4	50



KALIP TEKNİK

(Unit: mm)

제품코드 Product Code	직경 DC	날수 ZEPF	반경 RE	날장 APMX	생크경 DCON	전장 LF
4HCR-025-R03-060-450	2.5	4	R0.3	6	4	50
4HCR-025-R05-060-450	2.5	4	R0.5	6	4	50
4HCR-030-R005-080-660	3	4	R0.05	8	6	60
4HCR-030-R01-080-660	3	4	R0.1	8	6	60
4HCR-030-R02-080-660	3	4	R0.2	8	6	60
4HCR-030-R03-080-660	3	4	R0.3	8	6	60
4HCR-030-R05-080-660	3	4	R0.5	8	6	60
4HCR-030-R10-080-660	3	4	R1.0	8	6	60
4HCR-035-R01-090-670	3.5	4	R0.1	9	6	70
4HCR-035-R02-090-670	3.5	4	R0.2	9	6	70
4HCR-035-R03-090-670	3.5	4	R0.3	9	6	70
4HCR-035-R05-090-670	3.5	4	R0.5	9	6	70
4HCR-035-R10-090-670	3.5	4	R1.0	9	6	70
4HCR-040-R005-100-460	4	4	R0.05	10	4	60
4HCR-040-R005-100-670	4	4	R0.05	10	6	70
4HCR-040-R01-100-460	4	4	R0.1	10	4	60
4HCR-040-R01-100-670	4	4	R0.1	10	6	70
4HCR-040-R02-100-460	4	4	R0.2	10	4	60
4HCR-040-R02-100-670	4	4	R0.2	10	6	70
4HCR-040-R03-100-460	4	4	R0.3	10	4	60
4HCR-040-R03-100-670	4	4	R0.3	10	6	70
4HCR-040-R05-100-460	4	4	R0.5	10	4	60
4HCR-040-R05-100-670	4	4	R0.5	10	6	70
4HCR-040-R10-100-460	4	4	R1.0	10	4	60
4HCR-040-R10-100-670	4	4	R1.0	10	6	70
4HCR-045-R01-110-675	4.5	4	R0.1	11	6	75
4HCR-045-R02-110-675	4.5	4	R0.2	11	6	75
4HCR-045-R03-110-675	4.5	4	R0.3	11	6	75
4HCR-045-R05-110-675	4.5	4	R0.5	11	6	75
4HCR-050-R01-130-675	5	4	R0.1	13	6	75
4HCR-050-R02-130-675	5	4	R0.2	13	6	75
4HCR-050-R03-130-675	5	4	R0.3	13	6	75
4HCR-050-R05-130-675	5	4	R0.5	13	6	75
4HCR-050-R10-130-675	5	4	R1.0	13	6	75
4HCR-060-R005-110-660	6	4	R0.05	11	6	60
4HCR-060-R005-130-690	6	4	R0.05	13	6	90
4HCR-060-R01-110-660	6	4	R0.1	11	6	60
4HCR-060-R01-130-690	6	4	R0.1	13	6	90
4HCR-060-R02-110-660	6	4	R0.2	11	6	60

R-PRO	
H-PRO	
A-PRO	
X-PRO	
SUS MILL	
S-PRO	
D-PRO	
A-PLUS	
AL-PRO	
AL MILL	
ABS	
MICRO GRAIN	
MULTI	
Technical data	



KALIP TEKNİK

(Unit: mm)

	R-PRO	제품코드 Product Code	직경 DC	날수 ZEFP	반경 RE	날장 APMX	생크경 DCON	전장 LF
		4HCR-060-R02-130-690	6	4	R0.2	13	6	90
	H-PRO	4HCR-060-R03-110-660	6	4	R0.3	11	6	60
		4HCR-060-R03-130-690	6	4	R0.3	13	6	90
		4HCR-060-R05-110-660	6	4	R0.5	11	6	60
	A-PRO	4HCR-060-R05-130-690	6	4	R0.5	13	6	90
		4HCR-060-R10-110-660	6	4	R1.0	11	6	60
		4HCR-060-R10-130-690	6	4	R1.0	13	6	90
	X-PRO	4HCR-060-R15-110-660	6	4	R1.5	11	6	60
		4HCR-060-R15-130-690	6	4	R1.5	13	6	90
		4HCR-060-R20-110-660	6	4	R2.0	11	6	60
	SUS MILL	4HCR-060-R20-130-690	6	4	R2.0	13	6	90
		4HCR-060-R25-130-690	6	4	R2.5	13	6	90
		4HCR-080-R01-160-870	8	4	R0.1	16	8	70
	S-PRO	4HCR-080-R01-190-8A0	8	4	R0.1	19	8	100
		4HCR-080-R02-160-870	8	4	R0.2	16	8	70
		4HCR-080-R02-190-8A0	8	4	R0.2	19	8	100
	D-PRO	4HCR-080-R03-160-870	8	4	R0.3	16	8	70
		4HCR-080-R03-190-8A0	8	4	R0.3	19	8	100
		4HCR-080-R05-160-870	8	4	R0.5	16	8	70
	A-PLUS	4HCR-080-R05-190-8A0	8	4	R0.5	19	8	100
		4HCR-080-R10-160-870	8	4	R1.0	16	8	70
		4HCR-080-R10-190-8A0	8	4	R1.0	19	8	100
	AL-PRO	4HCR-080-R15-160-870	8	4	R1.5	16	8	70
		4HCR-080-R15-190-8A0	8	4	R1.5	19	8	100
		4HCR-080-R20-160-870	8	4	R2.0	16	8	70
	AL MILL	4HCR-080-R20-190-8A0	8	4	R2.0	19	8	100
		4HCR-080-R25-190-8A0	8	4	R2.5	19	8	100
	ABS	4HCR-080-R30-190-8A0	8	4	R3	19	8	100
		4HCR-080-R35-190-8A0	8	4	R3.5	19	8	100
		4HCR-100-R01-190-A75	10	4	R0.1	19	10	75
		4HCR-100-R01-220-AA0	10	4	R0.1	22	10	100
	MICRO GRAIN	4HCR-100-R02-190-A75	10	4	R0.2	19	10	75
		4HCR-100-R02-220-AA0	10	4	R0.2	22	10	100
		4HCR-100-R03-190-A75	10	4	R0.3	19	10	75
	MULTI	4HCR-100-R03-220-AA0	10	4	R0.3	22	10	100
		4HCR-100-R05-190-A75	10	4	R0.5	19	10	75
	Technical data	4HCR-100-R05-220-AA0	10	4	R0.5	22	10	100
		4HCR-100-R10-190-A75	10	4	R1.0	19	10	75
		4HCR-100-R10-220-AA0	10	4	R1.0	22	10	100



(Unit: mm)

제품코드 Product Code	직경 DC	날수 ZEPF	반경 RE	날장 APMX	생크경 DCON	전장 LF
4HCR-100-R15-190-A75	10	4	R1.5	19	10	75
4HCR-100-R15-220-AA0	10	4	R1.5	22	10	100
4HCR-100-R20-190-A75	10	4	R2.0	19	10	75
4HCR-100-R20-220-AA0	10	4	R2.0	22	10	100
4HCR-100-R25-220-AA0	10	4	R2.5	22	10	100
4HCR-100-R30-220-AA0	10	4	R3.0	22	10	100
4HCR-100-R40-220-AA0	10	4	R4.0	22	10	100
4HCR-120-R01-220-C80	12	4	R0.1	22	12	80
4HCR-120-R01-260-CB0	12	4	R0.1	26	12	110
4HCR-120-R02-220-C80	12	4	R0.2	22	12	80
4HCR-120-R02-260-CB0	12	4	R0.2	26	12	110
4HCR-120-R03-220-C80	12	4	R0.3	22	12	80
4HCR-120-R03-260-CB0	12	4	R0.3	26	12	110
4HCR-120-R05-220-C80	12	4	R0.5	22	12	80
4HCR-120-R05-260-CB0	12	4	R0.5	26	12	110
4HCR-120-R05-260-CD0	12	4	R0.5	26	12	130
4HCR-120-R10-220-C80	12	4	R1.0	22	12	80
4HCR-120-R10-260-CB0	12	4	R1.0	26	12	110
4HCR-120-R10-260-CD0	12	4	R1.0	26	12	130
4HCR-120-R15-220-C80	12	4	R1.5	22	12	80
4HCR-120-R15-260-CB0	12	4	R1.5	26	12	110
4HCR-120-R15-260-CD0	12	4	R1.5	26	12	130
4HCR-120-R20-220-C80	12	4	R2.0	22	12	80
4HCR-120-R20-260-CB0	12	4	R2.0	26	12	110
4HCR-120-R20-260-CD0	12	4	R2.0	26	12	130
4HCR-120-R25-260-CB0	12	4	R2.5	26	12	110
4HCR-120-R30-260-CB0	12	4	R3.0	26	12	110
4HCR-120-R40-260-CB0	12	4	R4.0	26	12	110
4HCR-120-R50-260-CB0	12	4	R5.0	26	12	110
4HCR-160-R05-320-GB0	16	4	R0.5	32	16	110
4HCR-160-R05-320-GF0	16	4	R0.5	32	16	150
4HCR-160-R10-320-GB0	16	4	R1.0	32	16	110
4HCR-160-R10-320-GF0	16	4	R1.0	32	16	150
4HCR-160-R15-320-GB0	16	4	R1.5	32	16	110
4HCR-160-R20-320-GB0	16	4	R2.0	32	16	110
4HCR-160-R30-320-GB0	16	4	R3.0	32	16	110
4HCR-200-R05-380-KB0	20	4	R0.5	38	20	110
4HCR-200-R05-380-KF0	20	4	R0.5	38	20	150
4HCR-200-R10-380-KB0	20	4	R1.0	38	20	110

R-PRO	
H-PRO	
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ABS	
MICRO GRAIN	
MULTI	
Technical data	



KALIP TEKNİK

(Unit: mm)

(Unit: mm)

	R-PRO	<table><tr><th>제품코드 Product Code</th><th>직경 DC</th><th>날수 ZEFP</th><th>반경 RE</th><th>날장 APMX</th><th>생크경 DCON</th><th>전장 LF</th></tr><tr><td>4HCR-200-R10-380-KF0</td><td>20</td><td>4</td><td>R1.0</td><td>38</td><td>20</td><td>150</td></tr></table>	제품코드 Product Code	직경 DC	날수 ZEFP	반경 RE	날장 APMX	생크경 DCON	전장 LF	4HCR-200-R10-380-KF0	20	4	R1.0	38	20	150
제품코드 Product Code	직경 DC	날수 ZEFP	반경 RE	날장 APMX	생크경 DCON	전장 LF										
4HCR-200-R10-380-KF0	20	4	R1.0	38	20	150										
	H-PRO	<table><tr><td>4HCR-200-R15-380-KB0</td><td>20</td><td>4</td><td>R1.5</td><td>38</td><td>20</td><td>110</td></tr></table>	4HCR-200-R15-380-KB0	20	4	R1.5	38	20	110							
		4HCR-200-R15-380-KB0	20	4	R1.5	38	20	110								
		<table><tr><td>4HCR-200-R20-380-KB0</td><td>20</td><td>4</td><td>R2.0</td><td>38</td><td>20</td><td>110</td></tr></table>	4HCR-200-R20-380-KB0	20	4	R2.0	38	20	110							
4HCR-200-R20-380-KB0	20	4	R2.0	38	20	110										
<table><tr><td>4HCR-200-R30-380-KB0</td><td>20</td><td>4</td><td>R3.0</td><td>38</td><td>20</td><td>110</td></tr></table>	4HCR-200-R30-380-KB0	20	4	R3.0	38	20	110									
4HCR-200-R30-380-KB0	20	4	R3.0	38	20	110										
	A-PRO															
	X-PRO															
	SUS MILL															
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	MICRO GRAIN															
	MULTI															
	Technical data															