



Specification	Radius(R)	Flute dia(Φ)	Flute length(C)	Shank Dia(D)	Overall Length(L)
R0.5×2Cx4Dx50L	R0.5	1.0	2	4	50
R0.75×1.5Cx4Dx50L	R0.75	1.5	3	4	50
R1.0×4Cx4Dx50L	R1.0	2.0	4	4	50
R1.25×5Cx4Dx50L	R1.25	2.5	5	4	50
R1.5×6Cx3Dx50L	R1.5	3.0	6	3	50
R1.5×6Cx4Dx50L	R1.5	3.0	6	4	50
R1.75×7Cx4Dx50L	R1.75	3.5	7	4	50
R2.0×8Cx4Dx50L	R2.0	4.0	8	4	50
R0.5×2Cx4Dx50L	R0.5	1.0	2	6	50
R0.75×3Cx6Dx50L	R0.75	1.5	3	6	50
R1.0×4Cx6Dx50L	R1.0	2.0	4	6	50
R1.25×5Cx6Dx50L	R1.25	2.5	5	6	50
R1.5×6Cx6Dx50L	R1.5	3.0	6	6	50
R1.75×7Cx6Dx50L	R1.75	3.5	7	6	50
R2.0×8Cx6Dx50L	R2.0	4.0	8	6	50
R2.25×9Cx6Dx50L	R2.25	4.5	9	6	50
R2.5×10Cx6Dx50L	R2.5	5.0	10	5	50
R2.5×10Cx6Dx50L	R2.5	5.0	10	6	50

R2.75×11Cx6Dx50L	R2.75	5.5	11	6	50
R3.0×12Cx6Dx50L	R3.0	6.0	12	6	50
R3.25×13Cx8Dx60L	R3.25	6.5	13	8	60
R3.5×14Cx8Dx60L	R3.5	7.0	14	8	60
R4.0×16Cx8Dx60L	R4.0	8.0	16	8	60
R4.5×18Cx10Dx75L	R4.5	9.0	18	10	75
R5.0×20Cx10Dx75L	R5.0	10	20	10	75
R5.5×22Cx12Dx75L	R5.5	11	22	12	75
R6.0×24Cx12Dx75L	R6.0	12	24	12	75
R6.5×26Cx14Dx50L	R6.5	13	26	14	100
R7.0×28Cx14Dx100L	R7.0	14	28	14	100
R7.5×30Cx14Dx100L	R7.5	15	30	14	100
R8.0×32Cx16Dx100L	R8.0	16	32	16	100
R8.5×34Cx16Dx100L	R8.5	17	34	16	100
R9.0×36Cx18Dx100L	R9.0	18	36	18	100
R9.5×38C204Dx100L	R9.5	19	38	20	100
R10.0×40Cx20Dx100 L	R10.0	20	40	20	100

Product Parameters

Item Grade	HRC45 (YG10X)	HRC55 (YL10.2 & WF25)	HRC60 (Germany K44 &K40)	HRC65 (Sandvik H10F)
Details	Grain size 0.7um Co10% Flexural strength 3320N/mm ²	Grain size 0.6um Co10% Flexural strength 4000N/mm ²	Grain size 0.5um Co12% Flexural strength 4300N/mm ²	Grain size 0.5um Co10% Flexural strength 4300N/mm ²

Coating Classifying and Advantage					
Item	Coating Type	AlTiN	TiAlN	TiSiN	NaCo
Characteristic	Hardness(HV)	3300	2800	4300	42(GPA)
	Thickness(UM)	2.5-3	2.5-3	3	3
	Oxidation Temp.(°C)	900	800	1000	1200
	Friction Coefficient	0.35	0.3	0.25	0.4
	Color	Black	Bronze	Bronze and gold	Blue
	Advantages	High heat stability	Normally cutting	Suitable for heavy cutting, and high hardness cutting	For high precision cutting
		Suitable for high speed, dry cutting		Suitable for cutting mould steel, stainless steel	Suitable for high hardness cutting, mould steel processing
		Most suitable for carbide cutting tools, turning insert			