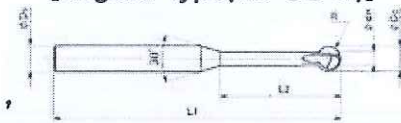
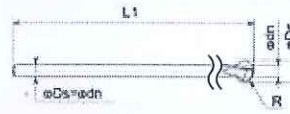


Specifications

【Regular type(XC-OO-A)】



【Straight type(XC-OO-B)】



Product Code	R (mm)	φDc (mm)	φdn (mm)	L2 (mm)	L1 (mm)	φDs (mm)
XC-08-A	0.4	0.8	0.48	5	60	3.0
XC-13-A	0.65	1.3	0.78	8	60	3.0
XC-18-A	0.9	1.8	1.1	10	60	3.0
XC-28-A	1.4	2.8	1.7	15	70	4.0
XC-38-A	1.9	3.8	2.4	20	70	4.0
XC-48-A	2.4	4.8	3.0	25	70	6.0
XC-58-A	2.9	5.8	3.5	30	70	6.0
XC-18-B	0.9	1.8	1.1	—	50	1.1
XC-28-B	1.4	2.8	1.7	—	70	1.7
XC-38-B	1.9	3.8	2.4	—	85	2.4
XC-48-B	2.4	4.8	3.0	—	105	3.0
XC-58-B	2.9	5.8	3.5	—	120	3.5

《Attention》

1. This cutter is an exclusive tool for NC machines. Never use it as a hand tool because the cutter may break and cause an injury.
2. Processing with a cutter with the wrong size may cause breakage of the product, tools, or machinery. Make sure to verify the dimensions before use.
3. Make sure that the run-out of the cutting edge is less than 0.01mm before starting processing.

Standard Processing Conditions

Product Code	Feed per rev (f_n) (mm/rev)	Spindle Speed (n) (min^{-1})	Table Feed (V_f) (mm / min)
XC-08-A	0.03	43000	1300
XC-13-A	0.03	27000	800
XC-18-A	0.03	19500	580
XC-28-A	0.08	12500	1000
XC-38-A	0.13	9200	1200
XC-48-A	0.15	7200	1100
XC-58-A	0.15	6000	900
XC-18-B	0.05	9700	480
XC-28-B	0.10	6200	620
XC-38-B	0.10	4600	460
XC-48-B	0.10	3600	360
XC-58-B	0.10	3000	300

1. The spindle speed and table feed are rough standards for initial processing.
2. If an abnormal vibration or noise occurs, or the spindle speed and/or table feed fail to meet the standard conditions listed in the table, lower the spindle speed and table feed at an equal rate.

Precautions

- Can be mounted on machining center (XYZ-axis) and combined lathe (XZY or XZC-axis).
- Please use while making the processing error of the hole position as small as possible.