

Carbide Probe Tips

Reliable measurement, high efficiency

WELCOME
TO THE
WORLD OF
KARCAN
CUTTING
TOOLS...

BEYOND
THE
MACHINING

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WELCOME TO THE WORLD OF **KARCAN CUTTING TOOLS...**

Who we are?

Founded in 1996 in Eskişehir, Turkey to manufacture carbide cutting tools, we are the first and largest carbide cutting tool manufacturer and one of the top 130 R&D centers in our country. From this aspect, we are the first and the only R&D Center in the cutting tool industry of Turkey.

What we manufacture?

- Carbide Endmills
- Carbide Drill Bits
- Carbide Reamers
- Form Endmills, Drill Bits, Reamers
- Form Carbide,PCD & CBN Inserts
- Composite Inserts
- Micro Tools
- Combined Tools

Which industries we serve?



General
Engineering



Mold&Die



Aviation
&Aerospace



Defence



Automotive



Medical



Energy



Rail
Systems





KARCAN EXPORTS TO MORE THAN 32 COUNTRIES ON 4 CONTINENTS

**WE REACH YOU EASIER
THANKS TO OUR GROWING
EXPORT NETWORK AND
TAKE A PART IN GLOBAL
COMPETITION.**

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Carbide Probe Tips

Advanced technology that reduces costs and minimizes downtime in your machining and measurement processes:

Ultra-Fine Grain Carbide Structure:

Maximum resistance even under the most demanding operating conditions.

Superior Thermal Stability:

A stable structure unaffected by thermal variations.

±1µm Repeatability:

Flawless micron-level accuracy in every measurement.



Carbide Probe Tip

PRODUCT VARIETIES

Discover our rich product portfolio tailored precisely to your needs:

- Standard cylindrical probe tips
- Custom diameter and length options
- Customer-specific custom manufacturing

Carbide Probe Tip

APPLICATION AREAS

We offer a wide range of applications designed to meet industry's most demanding and precise requirements:

- CNC machining centers
- Lathes / multi-axis machines
- CMM / measuring machines

Carbide Probe Tip

TECHNICAL COMPARISON

Superior performance advantages compared to traditional alternatives:

- 3-5 times longer service life
- Higher precision



Profile Measurement

Order No	Series	d1	d2	L1	Stylus Height (L2)	Tip Angle (°)	Tip Radius			TYPE	Stock Code
87100	MI Serisi	3	5	14	6	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBMI120300A01_0000
87102	MI Serisi	3	5	18	12	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBMI120300A02_0000
87104	MI Serisi	3	5	28	20	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBMI120300A03_0000
87106	MI Serisi	3	5	38	30	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBMI120300A04_0000
87108	MI Serisi	3	5	50	42	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBMI120300A05_0000
87206	MA Serisi	3,5	3,5	20	20	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBMA120350A06_0000
87208	MA Serisi	3,5	3,5	33	33	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBMA120350A07_0000
87210	MA Serisi	3,5	3,5	59,5	59,5	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBMA120350A08_0000
87224	ZE Serisi	3	4	21	13	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBZE120300A09_0000
87226	ZE Serisi	3	4	34	26	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBZE120300A10_0000
87228	ZE Serisi	3	4	60	52	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBZE120300A11_0000
87242	TS Serisi	3,5	3,5	20,5	20,5	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBTS120350A12_0000
87244	TS Serisi	3,5	3,5	33	33	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBTS120350A13_0000
87246	TS Serisi	3,5	3,5	59,5	59,5	12	25µm	r.	0,025	Tek Taraflı	11B01_PRBTS120350A14_0000
87110	MI Serisi	3	5	14	6	20	25µm	r.	0,025	Çapraz Kesim	11B01_PRBMI200300B01_0000
87112	MI Serisi	3	5	18	12	20	25µm	r.	0,025	Çapraz Kesim	11B01_PRBMI200300B02_0000
87114	MI Serisi	3	5	28	20	20	25µm	r.	0,025	Çapraz Kesim	11B01_PRBMI200300B03_0000
87116	MI Serisi	3	5	38	30	20	25µm	r.	0,025	Çapraz Kesim	11B01_PRBMI200300B04_0000
87118	MI Serisi	3	5	50	42	20	25µm	r.	0,025	Çapraz Kesim	11B01_PRBMI200300B05_0000
87120	MI Serisi	3	5	14	6	20	25µm	r.	0,025	Konik Ağız	11B01_PRBMI200300C01_0000
87122	MI Serisi	3	5	18	12	20	25µm	r.	0,025	Konik Ağız	11B01_PRBMI200300C02_0000
87124	MI Serisi	3	5	28	20	20	25µm	r.	0,025	Konik Ağız	11B01_PRBMI200300C03_0000
87126	MI Serisi	3	5	38	30	20	25µm	r.	0,025	Konik Ağız	11B01_PRBMI200300C04_0000
87128	MI Serisi	3	5	50	42	20	25µm	r.	0,025	Konik Ağız	11B01_PRBMI200300C05_0000
87212	MA Serisi	3,5	3,5	20	20	24	25µm	r.	0,025	Konik Ağız	11B01_PRBMA240350C06_0000
87214	MA Serisi	3,5	3,5	33	33	24	25µm	r.	0,025	Konik Ağız	11B01_PRBMA240350C07_0000
87216	MA Serisi	3,5	3,5	59,5	59,5	24	25µm	r.	0,025	Konik Ağız	11B01_PRBMA240350C08_0000
87218	MA Serisi	3,5	3,5	20	20	30	25µm	r.	0,025	Konik Ağız	11B01_PRBMA300350C09_0000
87220	MA Serisi	3,5	3,5	33	33	30	25µm	r.	0,025	Konik Ağız	11B01_PRBMA300350C10_0000
87222	MA Serisi	3,5	3,5	59,5	59,5	30	25µm	r.	0,025	Konik Ağız	11B01_PRBMA300350C11_0000
87230	ZE Serisi	3	4	21	13	24	25µm	r.	0,025	Konik Ağız	11B01_PRBZE240300C12_0000
87232	ZE Serisi	3	4	34	26	24	25µm	r.	0,025	Konik Ağız	11B01_PRBZE240300C13_0000
87234	ZE Serisi	3	4	60	52	24	25µm	r.	0,025	Konik Ağız	11B01_PRBZE240300C14_0000
87248	TS Serisi	3,5	3,5	20,5	20,5	24	25µm	r.	0,025	Konik Ağız	11B01_PRBTS240350C15_0000
87250	TS Serisi	3,5	3,5	33	33	24	25µm	r.	0,025	Konik Ağız	11B01_PRBTS240350C16_0000
87252	TS Serisi	3,5	3,5	59,5	59,5	24	25µm	r.	0,025	Konik Ağız	11B01_PRBTS240350C17_0000
87130	MI Serisi	3	5	14	6	20	25µm	r.	0,025	Bıçak Ağız	11B01_PRBMI200300D01_0000
87132	MI Serisi	3	5	18	12	20	25µm	r.	0,025	Bıçak Ağız	11B01_PRBMI200300D02_0000
87134	MI Serisi	3	5	28	20	20	25µm	r.	0,025	Bıçak Ağız	11B01_PRBMI200300D03_0000
87136	MI Serisi	3	5	38	30	20	25µm	r.	0,025	Bıçak Ağız	11B01_PRBMI200300D04_0000
87138	MI Serisi	3	5	50	42	20	25µm	r.	0,025	Bıçak Ağız	11B01_PRBMI200300D05_0000
87236	ZE Serisi	3	4	21	13	24	25µm	r.	0,025	Bıçak Ağız	11B01_PRBZE240300D06_0000
87238	ZE Serisi	3	4	34	26	24	25µm	r.	0,025	Bıçak Ağız	11B01_PRBZE240300D07_0000
87240	ZE Serisi	3	4	60	52	24	25µm	r.	0,025	Bıçak Ağız	11B01_PRBZE240300D08_0000

Depth Measurement

Order No	Series	d1	d2	L1	Stylus Height (L2)	Tip Angle (°)	Tip Radius			TYPE	Stock Code
87140	MI Serisi	0,45	5	15	3	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000045E01_0000
87142	MI Serisi	0,45	5	17	5	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000045E02_0000
87144	MI Serisi	1	5	15	13	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000100E03_0000
87146	MI Serisi	1	5	17	15	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000100E04_0000
87148	MI Serisi	1	5	20	18	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000100E05_0000
87150	MI Serisi	1	5	22	10	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000100E06_0000
87152	MI Serisi	1	5	32	20	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000100E07_0000
87154	MI Serisi	1	5	52	40	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000100E08_0000
87156	MI Serisi	1,5	5	17	5	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000150E09_0000
87158	MI Serisi	1,5	5	22	10	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000150E10_0000
87160	MI Serisi	1,5	5	27	15	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000150E11_0000
87162	MI Serisi	1,5	5	32	20	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000150E12_0000
87164	MI Serisi	1,5	5	52	40	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000150E13_0000
87166	MI Serisi	2	5	20	8	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000200E14_0000
87168	MI Serisi	2	5	30	18	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000200E15_0000
87170	MI Serisi	2	5	40	28	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000200E16_0000
87172	MI Serisi	2	5	52	40	0	M2,5x0,45	M	2,5x0,45	Silindirik	11B02_PRBMI000200E17_0000

Surface Roughness Measurement

Order No	Series	d1	d2	L1	Stylus Height (L2)	Tip Angle (°)	Tip Radius			TYPE	Stock Code
87174	MI Serisi	1,2	1,2	7,6	5,2	60	1µm	r.	0,001	Standart	11B03_PRBMI600120F01_0000
87176	MI Serisi	1,2	1,2	7,6	5,2	90	1µm	r.	0,001	Standart	11B03_PRBMI900120F02_0000
87178	MI Serisi	1,2	1,2	7,6	5,2	60	2µm	r.	0,002	Standart	11B03_PRBMI600120F03_0000
87180	MI Serisi	1,2	1,2	7,6	5,2	90	5µm	r.	0,005	Standart	11B03_PRBMI900120F04_0000
87182	MI Serisi	1,2	1,2	7,6	5,2	90	10µm	r.	0,01	Standart	11B03_PRBMI900120F05_0000
87184	MI Serisi	1,2	1,2	14,4	12	60	2µm	r.	0,002	Standart	11B03_PRBMI600120F06_0000
87186	MI Serisi	1,2	1,2	14,4	12	90	5µm	r.	0,005	Standart	11B03_PRBMI900120F07_0000
87188	MI Serisi	1,2	1,2	14,4	12	90	10µm	r.	0,01	Standart	11B03_PRBMI900120F08_0000
87190	MI Serisi	1,2	1,2	14,4	12	60	2µm	r.	0,002	Standart	11B03_PRBMI600120F09_0000
87192	MI Serisi	1,2	1,2	14,4	12	90	5µm	r.	0,005	Standart	11B03_PRBMI900120F10_0000
87194	MI Serisi	1,2	1,2	14,4	12	90	10µm	r.	0,01	Standart	11B03_PRBMI900120F11_0000
87196	MI Serisi	1,2	2,4	34,4	32	60	2µm	r.	0,002	Standart	11B03_PRBMI600120F12_0000
87198	MI Serisi	1,2	2,4	34,4	32	90	5µm	r.	0,005	Standart	11B03_PRBMI900120F13_0000
87200	MI Serisi	1,2	2,4	34,4	32	90	10µm	r.	0,01	Standart	11B03_PRBMI900120F14_0000
87202	MI Serisi	1,2	2,4	45	42,5	60	2µm	r.	0,002	Standart	11B03_PRBMI600120F15_0000
87204	MI Serisi	1,2	2,4	45	42,5	90	5µm	r.	0,005	Standart	11B03_PRBMI900120F16_0000

BEYOND THE MACHINING



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