

MILLING TOOLS

Solid Endmills Catalogue

Inch Program

Introducing the latest innovation from Karcan R&D

Our high performance tools have been meticulously developed for enhanced machinability of advanced materials and optimized specifically for trochoidal milling strategies.



IMAGINATION AND
FUNCTIONALITY ARE
HARMONIZED WITH
MATERIALS AND
TOOL COMES TRUE...

SPECIAL TOOLS
special designs



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
- Carbide Inserts
- Micro Tools
- Combined Tools

Which industries we serve?



General
Engineering



Mold & Die



Aviation
& Aerospace



Defence



Automotive



Medical



Energy



Rail
Systems

ULTRA-BITE

99 INCH Series High Performance



General Engineering



Mold & Die



Aviation & Aerospace



Automotive



Medical



Energy



Finish

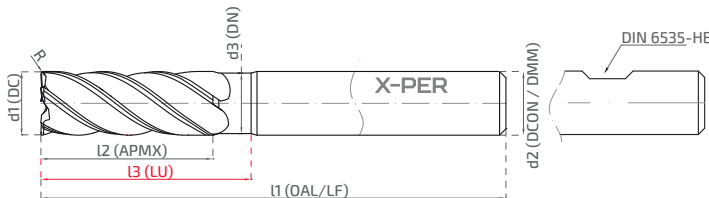


Rough

Endmill Standards Of Future Has Already Been Shaped

CHATTER FREE

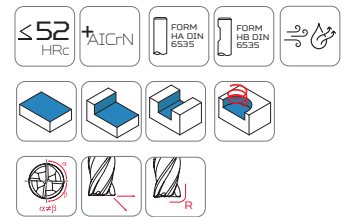
High performance in milling steel, cast iron, high heat resistant materials, titanium and stainless steel.



Please scan the barcode to discover the advantages of
The World of Karcan Cutting Tools and get more information about our promotions.



Definition Number	d1 (DC)	d2 (DCON/ DMM)	d3 (DN)	l1 (OAL/LF)	l2 (APMX)	l3 (LU)	SQ 0	R 0,010	R 0,020	R 0,030	R 0,060	R 0,090	R 0,120	R 0,156	R 0,190
99IN.5.0125.2000.K0000.S01	1/8	1/8	0,115	2	11/32	0,500	12500	12502	-	12504	-	-	-	-	-
99IN.5.0156.2000.K0000.S01	5/32	3/16	0,184	2	7/16	0,625	12510	12512	-	-	-	-	-	-	-
99IN.5.0187.2000.K0000.S01	3/16	3/16	0,175	2	33/64	0,656	12514	12516	-	12518	-	-	-	-	-
99IN.5.0250.2000.K0000.S01	1/4	1/4	0,235	2	5/8	0,750	12528	-	12530	12532	12668	-	-	-	-
99IN.5.0281.2500.K0000.S01	9/32	4/15	0,265	2-1/2	13/16	1,000	12540	-	12542	-	-	-	-	-	-
99IN.5.0312.2500.K0000.S01	5/16	3/10	0,296	2-1/2	13/16	1,000	12544	-	12546	12548	-	-	-	-	-
99IN.5.0343.2500.K0000.S01	11/32	3/8	0,328	2-1/2	15/16	1,125	12550	-	12552	-	-	-	-	-	-
99IN.5.0375.2500.K0000.S01	3/8	3/8	0,355	2-1/2	1	1,187	12554	-	12556	12558	12560	12670	-	-	-
99IN.5.0406.2500.K0000.S01	13/32	7/16	0,390	2-1/2	1-1/16	1,156	12570	-	12572	-	-	-	-	-	-
99IN.5.0437.2500.K0000.S01	7/16	7/16	0,421	2-1/2	1-7/64	1,281	12574	-	12576	12578	12580	-	-	-	-
99IN.5.0468.3000.K0000.S01	15/32	1/2	0,453	3	1-5/32	1,500	12582	-	12584	-	-	-	-	-	-
99IN.5.0500.3000.K0000.S01	1/2	1/2	0,488	3	1-9/32	1,500	12586	-	-	12588	12590	12592	12594	-	-
99IN.5.0625.3500.K0000.S01	5/8	5/8	0,590	3-1/2	1-11/32	1,625	12672	-	-	12614	12616	12618	12620	-	-
99IN.5.0750.4000.K0000.S01	3/4	3/4	0,715	4	1-1/2	2,000	12674	-	-	12636	12638	12640	12642	12676	12678
99IN.5.1000.4000.K0000.S01	1	1	0,960	4	2	2,250	12680	-	-	12658	12660	12662	12664	12682	12684



Steel	●
Stainless Steel	●
Hardened Steel ≤54 HRC	●
Hardened Steel >54 HRC	○
Cast Iron	●
Graphite	○
Non Ferrous Material	○
HRSA	●
Titanium	●

● Recommended ○ Acceptable ○ Not Recommended

ULTRA-BITE

111 INCH Series High Performance

General
Engineering

Mold & Die

Aviation
& Aerospace

Defence



Automotive



Medical

Rail
Systems

Finish



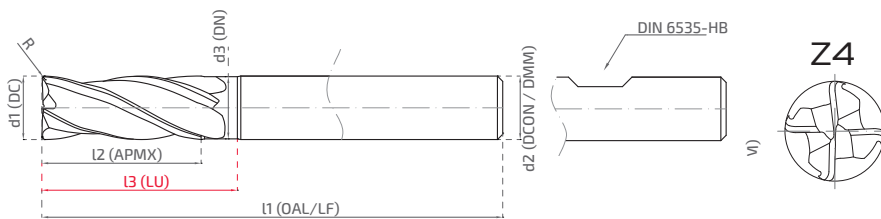
Rough

Super Solution for Super Alloys

CHATTER FREE

The Game Changer 111 Series has been developed as a result of 3 years of intensive R&D studies.

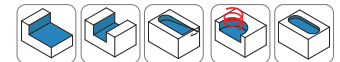
Our aim is to provide safe milling operations by integrating cutting-edge preparation technology for milling titanium, inconel, and stainless steel.



Please scan the barcode to discover the advantages of The World of Karcan Cutting Tools and get more information about our promotions.



Definition Number	d1 (DC)	d2 (DC/DMM)	d3 (DN)	l1 (OAL/LF)	l2 (APMX)	l3 (LU)	SQ 0	R 0,010	R 0,020	R 0,030	R 0,060	R 0,090	R 0,120	R 0,156	R 0,190
111IN.4.0125.2000.K0000.S01	1/8	1/8	0,115	2	1/4	0,500	16500	16502	-	16504	-	-	-	-	-
111IN.4.0156.2000.K0000.S01	5/32	3/16	0,148	2	7/16	0,625	16510	16512	-	-	-	-	-	-	-
111IN.4.0187.2000.K0000.S01	3/16	3/16	0,175	2	33/64	0,656	16514	16516	-	16518	-	-	-	-	-
111IN.4.0218.2000.K0000.S01	7/32	1/4	0,203	2	19/32	0,750	16524	-	16526	-	-	-	-	-	-
111IN.4.0250.2000.K0000.S01	1/4	1/4	0,235	2	5/8	0,750	16528	-	16530	16532	16668	-	-	-	-
111IN.4.0281.2500.K0000.S01	9/32	4/15	0,265	2-1/2	13/16	1,000	16540	-	16542	-	-	-	-	-	-
111IN.4.0312.2500.K0000.S01	5/16	3/10	0,296	2-1/2	13/16	1,000	16544	-	16546	16548	-	-	-	-	-
111IN.4.0343.2500.K0000.S01	11/32	3/8	0,328	2-1/2	15/16	1,125	16550	-	16552	-	-	-	-	-	-
111IN.4.0375.2500.K0000.S01	3/8	3/8	0,355	2-1/2	1	1,187	16554	-	16556	16558	16560	16670	-	-	-
111IN.4.0406.2500.K0000.S01	13/32	7/16	0,390	2-1/2	1-1/16	1,156	16570	-	16572	-	-	-	-	-	-
111IN.4.0437.2500.K0000.S01	7/16	7/16	0,421	2-1/2	1-7/64	1,281	16574	-	16576	16578	16580	-	-	-	-
111IN.4.0468.3000.K0000.S01	15/32	1/2	0,453	3	1-5/32	1,500	16582	-	16584	-	-	-	-	-	-
111IN.4.0500.3000.K0000.S01	1/2	1/2	0,488	3	1-9/32	1,500	16586	-	-	16588	16590	16592	16594	-	-
111IN.4.0625.3500.K0000.S01	5/8	5/8	0,590	3-1/2	1-11/32	1,625	16672	-	-	16614	16616	16618	16620	-	-
111IN.4.0750.4000.K0000.S01	3/4	3/4	0,715	4	1-1/2	2,000	16622	-	-	16624	16626	16628	16630	16632	16634
111IN.4.1000.4000.K0000.S01	1	1	0,960	4	2	2,250	16674	-	-	16658	16660	16662	16664	16676	16678



Steel	●
Stainless Steel	●
Hardened Steel ≤54 HRC	●
Hardened Steel >54 HRC	○
Cast Iron	○
Graphite	○
Non Ferrous Material	○
HRSA	●
Titanium	●

● Recommended ○ Acceptable ○ Not Recommended



ALU-MAC

123 INCH Series

High Performance Aluminium Endmill



General Engineering



Aviation & Aerospace



Defence



Finish

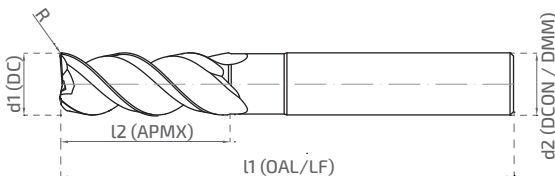


Rough

Rough Milling, Semi-Finishing, And Finishing Operations Are All Combined In One Series, Making It A Market Leader.

This single solution is ideal for various aluminum milling operations.

The updated geometry enables milling at high feed rates and high chip evacuation volumes, resulting in up to 35% better surface quality compared to its competitors.



Please scan the barcode to discover the advantages of The World of Karcan Cutting Tools and get more information about our promotions.



Defination Number	d1 (DC)	d2(DCON/ DMM)	l1 (OAL/LF)	l2 (APMX)	R 0,010	R 0,030	R 0,060	R 0,090	R 0,120	R 0,156	R 0,190
123IN.3.0125.1500.R0010.S01	1/8	1/8	1-1/2	3/8	58500	58502	-	-	-	-	-
123IN.3.0187.2000.R0010.S01	3/16	3/16	2	9/16	58504	58506	-	-	-	-	-
123IN.3.0250.2000.R0010.S01	1/4	1/4	2	43/64	58508	58510	58512	-	-	-	-
123IN.3.0312.2000.R0010.S01	5/16	5/16	2	7/8	58514	58516	58518	58520	-	-	-
123IN.3.0375.2000.R0010.S01	3/8	3/8	2	15/16	58522	58524	58526	58528	58530	-	-
123IN.3.0437.2500.R0010.S01	7/16	7/16	2-1/2	1-1/32	58532	58534	58536	58538	58540	-	-
123IN.3.0500.2500.R0010.S01	1/2	1/2	2-1/2	1-7/64	58542	58544	58546	58548	58550	58552	-
123IN.3.0625.3000.R0010.S01	5/8	5/8	3	1-7/16	58554	58556	58558	58560	58562	58564	-
123IN.3.0750.3000.R0010.S01	3/4	3/4	3	1-15/32	58566	58568	58570	58572	58574	58576	58578
123IN.3.1000.4000.R0010.S01	1	1	4	2	58580	58582	58584	58586	58588	58590	58592



Steel	○
Stainless Steel	○
Hardened Steel ≤54 HRc	○
Hardened Steel >54 HRc	○
Cast Iron	○
Graphite	○
Non Ferrous Material	●
HRSA	○
Titanium	○

● Recommended ○ Acceptable ○ Not Recommended

ALU-MAC

123 INCH PLUS Series

High Performance Aluminium Endmill



General Engineering



Aviation & Aerospace



Defence



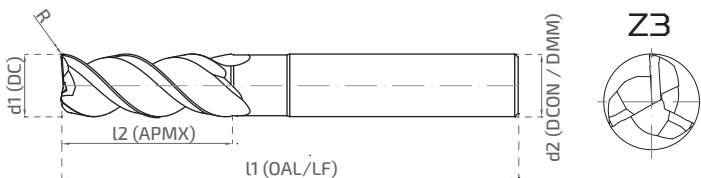
Finish



Rough

New Star Of Karcan Shines Bright Like A Diamond...

An expansion of our 123 Series, 123 Plus Series has been developed for perfect chip evacuation without any built up edge thanks to its super polished bright flutes.



Please scan the barcode to discover the advantages of The World of Karcan Cutting Tools and get more information about our promotions.



Defination Number	d1 (DC)	d2(DCON / DMM)	l1 (OAL / LF)	l2 (APMX)	R 0,010	R 0,030	R 0,060	R 0,090	R 0,120	R 0,156	R 0,190
123PIN.3.0125.1500.R0010.S01	1/8	1/8	1-1/2	3/8	58750	58752	-	-	-	-	-
123PIN.3.0187.2000.R0010.S01	3/16	3/16	2	9/16	58754	58756	-	-	-	-	-
123PIN.3.0250.2000.R0010.S01	1/4	1/4	2	43/64	58758	58760	58762	-	-	-	-
123PIN.3.0312.2000.R0010.S01	5/16	5/16	2	7/8	58764	58766	58768	58770	-	-	-
123PIN.3.0375.2000.R0010.S01	3/8	3/8	2	15/16	58772	58774	58776	58778	58780	-	-
123PIN.3.0437.2500.R0010.S01	7/16	7/16	2-1/2	1-1/32	58782	58784	58786	58788	58790	-	-
123PIN.3.0500.2500.R0010.S01	1/2	1/2	2-1/2	1-7/64	58792	58794	58796	58798	58800	58802	-
123PIN.3.0625.3000.R0010.S01	5/8	5/8	3	1-7/16	58804	58806	58808	58810	58812	58814	-
123PIN.3.0750.3000.R0010.S01	3/4	3/4	3	1-15/32	58816	58818	58820	58822	58824	58826	58828
123PIN.3.1000.4000.R0010.S01	1	1	4	2	58830	58832	58834	58836	58838	58840	58842



Steel	○
Stainless Steel	○
Hardened Steel ≤54 HRC	○
Hardened Steel >54 HRC	○
Cast Iron	○
Graphite	○
Non Ferrous Material	●
HRSA	○
Titanium	○

● Recommended ○ Acceptable ○ Not Recommended



ALU-MAC

133 INCH Series

High Performance
Corner Radius



General
Engineering



Aviation
& Aerospace



Defence



Finish



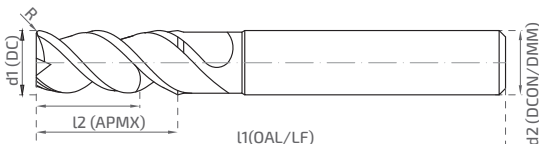
Rough

High Performance In
High-Alloy Aluminiums !

new
product

Thanks to its double-action, double-flute technology, optimized corner radius, unique geometry, and coating, the 133 Series offers numerous advantages for machining alloyed aluminum materials

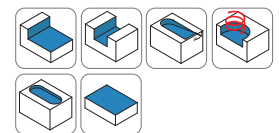
**CHATTER
FREE**



Please scan the barcode to
discover the advantages of
The World of Karcan Cutting
Tools and get more information
about our promotions.



Defination Number	d1 (DC)	d2(DCON/ DMM)	L1 (OAL/LF)	L2 (APMX)	R 0,010	R 0,030	R 0,060	R 0,090	R 0,120	R 0,156	R 0,190
133IN.3.0125.1500.R0010.S01	1/8	1/8	1-1/2	3/8	59500	59502	-	-	-	-	-
133IN.3.0187.2000.R0010.S01	3/16	3/16	2	9/16	59504	59506	-	-	-	-	-
133IN.3.0250.2000.R0010.S01	1/4	1/4	2	43/64	59508	59510	59512	-	-	-	-
133IN.3.0312.2000.R0010.S01	5/16	5/16	2	7/8	59514	59516	59518	59520	-	-	-
133IN.3.0375.2000.R0010.S01	3/8	3/8	2	15/16	59522	59524	59526	59528	59530	-	-
133IN.3.0437.2500.R0010.S01	7/16	7/16	2-1/2	1-1/32	59532	59534	59536	59538	59540	-	-
133IN.3.0500.2250.R0010.S01	1/2	1/2	2-1/2	1-7/64	59542	59544	59546	59548	59550	59552	-
133IN.3.0625.3000.R0010.S01	5/8	5/8	3	1-7/16	59554	59556	59558	59560	59562	59564	-
133IN.3.0750.3000.R0010.S01	3/4	3/4	3	1-15/32	59566	59568	59570	59572	59574	59576	59578
133IN.3.1000.4000.R0010.S01	1	1	4	2	59580	59582	59584	59586	59588	59590	59592



Steel	○
Stainless Steel	○
Hardened Steel ≤54 HRC	○
Hardened Steel >54 HRC	○
Cast Iron	○
Graphite	○
Non Ferrous Material	●
HRSA	○
Titanium	○

● Recommended ○ Acceptable ○ Not Recommended

HPC

Gen-Z

160

INCH
Falcon
SeriesHigh Performance
MachiningGeneral
Engineering

Mold & Die

Aviation
& Aerospace

Automotive



Energy



Medical

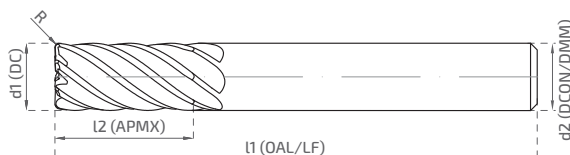


Finish



Rough

New Member of Gen-Z HPC Series...

**CHATTER
FREE**new
*product*A Falcon eye on Trochoidal and High Feed
Milling operations!Suitable for a variety of materials and
industries from aerospace to automotive
making it an essential addition to any
workshop focused on advanced manufacturing
techniques.7
Flutes
Performance
StarsPlease scan the barcode to
discover the advantages ofThe World of Karcen Cutting
Tools and get more information
about our promotions.

Definition Number	d1 (DC)	d2(DCON/ DMM)	l1 (OAL/LF)	l2 (APMX)	SQ 0	R 0,015	R 0,030	R 0,060	R 0,090	R 0,125	R 0,187	R 0,250
160IN.7.0375.2500.K0000.S01	3/8	3/8	2-1/2	3/4	81528	81530	81532	81534	81536	-	-	-
160IN.7.0375.3500.K0000.S01	3/8	3/8	3-1/2	1-1/2	81538	81540	81542	81544	-	-	-	-
160IN.7.0500.3000.K0000.S01	1/2	1/2	3	1	81546	-	81548	81550	81552	81554	-	-
160IN.7.0500.4000.K0000.S01	1/2	1/2	4	2	81556	-	81558	81560	81562	81564	-	-
160IN.7.0625.3500.K0000.S01	5/8	5/8	3-1/2	1-1/4	81566	81568	81570	81572	81574	81576	81578	-
160IN.7.0625.5000.K0000.S01	5/8	5/8	5	2-1/2	81580	81582	81584	81586	-	81588	-	-
160IN.7.0750.4000.K0000.S01	3/4	3/4	4	1-1/2	81590	81592	81594	81596	-	81598	81600	81602
160IN.7.0750.6000.K0000.S01	3/4	3/4	6	3	81604	81606	81608	81610	-	81612	-	-
160IN.7.1000.5000.K0000.S01	1	1	5	2	81614	-	81616	81618	81620	81622	81624	81626
160IN.7.1000.7000.K0000.S01	1	1	7	4	81628	-	81630	81632	-	81634	-	-



Definition Number	d1 (DC)	d2 (DCON/DMM)	l1 (OAL/LF)	l2 (APMX)	R 0,030	R 0,060
160CSIN.7.0375.3500.R0030.S01	3/8	3/8	3-1/2	1-1/2	81750	-
160CSIN.7.0500.4000.R0030.S01	1/2	1/2	4	2	81752	81754
160CSIN.7.0625.5000.R0030.S01	5/8	5/8	5	2-1/2	81756	81758
160CSIN.7.0750.6000.R0030.S01	3/4	3/4	6	3	81760	81762
160CSIN.7.1000.7000.R0060.S01	1	1	7	4	-	81764

Steel	●
Stainless Steel	●
Hardened Steel ≤54 HRC	○
Hardened Steel >54 HRC	○
Cast Iron	●
Graphite	○
Non Ferrous Material	○
HRSA	●
Titanium	●

● Recommended ○ Acceptable ○ Not Recommended



www.karcen.com

HPC

Gen-Z

161

INCH
Archon
SeriesHigh Performance
MachiningGeneral
Engineering

Mold & Die

Aviation
& Aerospace

Automotive



Energy



Medical



Finish



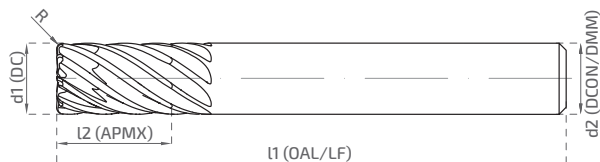
Rough

Lord of Gen-Z HPC Series...

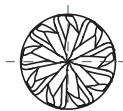
**CHATTER
FREE**new
*product*An Archon reign on Trochoidal and High Feed
Milling operations !Suitable for a variety of materials and
industries from aerospace to automotive
making it an essential addition to any
workshop focused on advanced manufacturing
techniques.

9

- Flutes
- Performance
- Stars



Z9

Please scan the barcode to
discover the advantages ofThe World of Karcan Cutting
Tools and get more information
about our promotions.

Definition Number	d1 (DC)	d2 (DCON/DMM)	l1 (OAL/LF)	l2 (APMX)	R 0,015	R 0,030	R 0,060	R 0,125
161IN.9.0375.2500.R0015.S01	3/8	3/8	2-1/2	3/4	82508	82510	-	-
161IN.9.0375.3500.R0015.S01	3/8	3/8	3-1/2	1-5/16	82512	82514	-	-
161IN.9.0500.3000.R0030.S01	1/2	1/2	3	1	-	82516	82518	-
161IN.9.0500.4000.R0030.S01	1/2	1/2	4	1-3/4	-	82520	82522	-
161IN.9.0625.3500.R0030.S01	5/8	5/8	3-1/2	1-1/4	-	82524	82526	-
161IN.9.0625.4500.R0030.S01	5/8	5/8	4-1/2	2-3/16	-	82528	82530	-
161IN.9.0750.4000.R0030.S01	3/4	3/4	4	1-1/2	-	82532	82534	82536
161IN.9.0750.5000.R0030.S01	3/4	3/4	5	2-5/8	-	82538	82540	82542
161IN.9.1000.5000.R0030.S01	1	1	5	2	-	82544	82546	82548
161IN.9.1000.6500.R0030.S01	1	1	6-1/2	3-1/2	-	82550	82552	82554

Definition Number	d1 (DC)	d2 (DCON/DMM)	l1 (OAL/LF)	l2 (APMX)	R 0,030	R 0,060	R 0,125
161CSIN.9.0500.4000.R0030.S01	1/2	1/2	4	1-3/4	82750	82752	-
161CSIN.9.0625.4500.R0030.S01	5/8	5/8	4-1/2	2-3/16	82754	82756	-
161CSIN.9.0750.5000.R0030.S01	3/4	3/4	5	2-5/8	82758	82760	82762
161CSIN.9.1000.6500.R0030.S01	1	1	6-1/2	3-1/2	82764	82766	82768

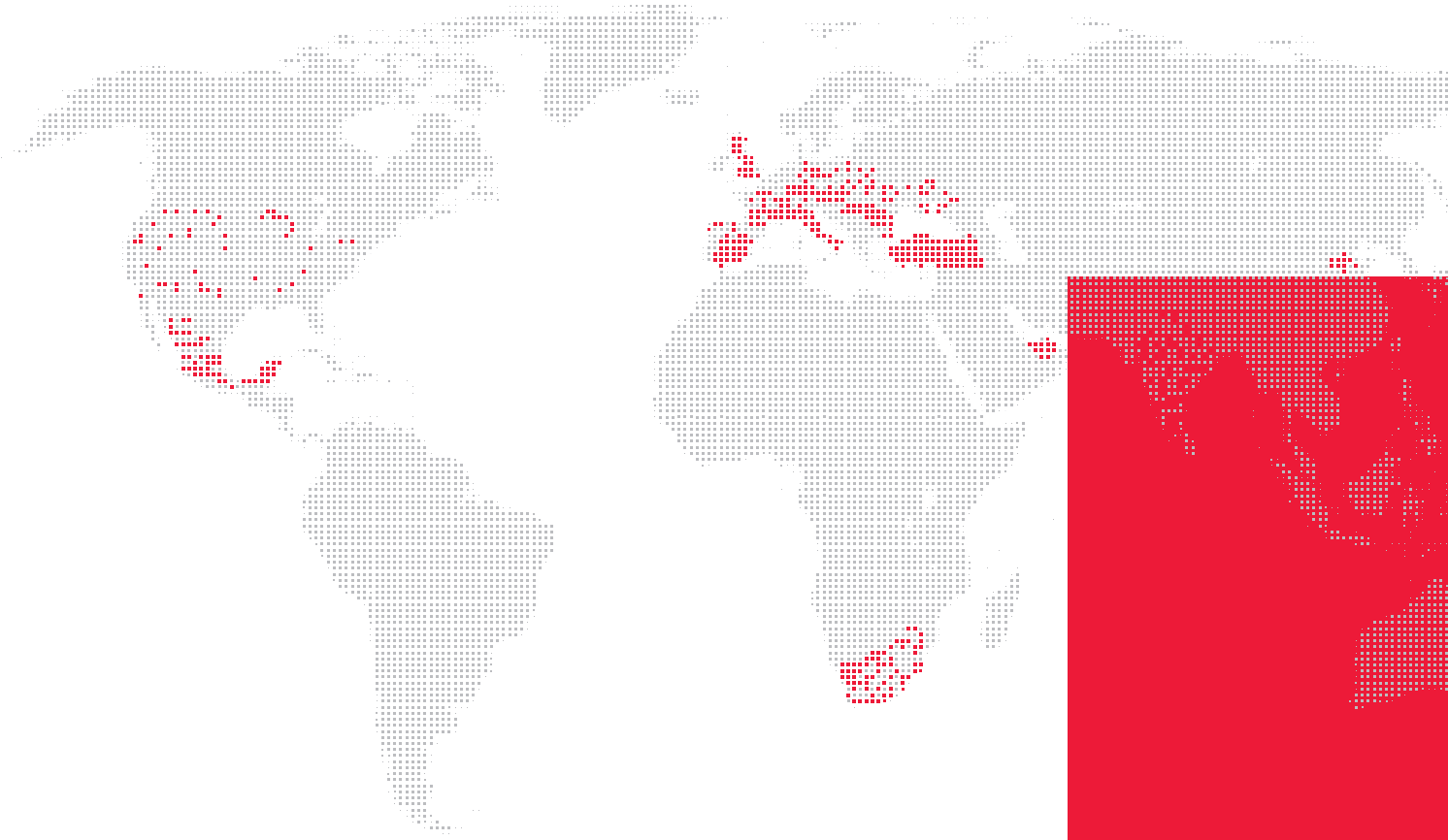


Steel	●
Stainless Steel	●
Hardened Steel ≤54 HRC	○
Hardened Steel >54 HRC	○
Cast Iron	●
Graphite	○
Non Ferrous Material	○
HRSA	●
Titanium	●

● Recommended ○ Acceptable ○ Not Recommended

BEYOND THE MACHINING



**Head Office / Factory**

0.5.B 20. Cadde No : 31 TR26110 ESKIŞEHİR/TÜRKİYE
+90 222 228 10 40
info@karcan.com
www.karcan.com

R&D Center

0.5.B 20. Cadde No : 31 TR26110 ESKIŞEHİR/TÜRKİYE
+90 222 228 10 40
info@karcan.com
www.karcan.com

Test Center

0.5.B 20. Cadde No : 31 TR26110 ESKIŞEHİR/TÜRKİYE
+90 222 228 10 40
info@karcan.com
www.karcan.com

Ankara Office

Uzay Çağı Cad. 1432 Sk. Alimar Ticaret
Merkezi No: 2F Ostim
Yenimahalle/ANKARA
+90 535 491 13 57

Izmir Office

Kosbi Gazi Bulvarı No: 177/6 PK:
35735, Kemalpaşa/ İZMİR
+90 539 847 39 82

Bursa Office

Alaaddin Bey Mahallesi 648. Sokak
No:2/AA Blok D:5 Nilüfer/BURSA
+90 530 991 85 13
+90 538 876 11 60

Konya Office

Fevzi Çakmak Mah. Büsan Osb. 10660.
Sokak No:25 Karatay/KONYA
+90 530 915 03 56

Istanbul Europe Office

Yenişehir Mahallesi Millet Caddesi
Sümbül Sk. No:8 Premium
Recidance A Blok No:102 Kurtköy
Pendik /İSTANBUL
+90 530 917 00 84

Istanbul Asia Office

Yenişehir Mahallesi Millet Caddesi
Sümbül Sk. No:8 Premium
Recidance A Blok No:102 Kurtköy
Pendik /İSTANBUL
+90 533 342 38 86

Romania Karcan Cutting Tools SRL

Municipiul Bucureşti, Sector 3, B-Dul
Burebista, Nr:3 Cam.Nr:2 B1.D16, Sc.A
Ap.23 ROMANIA
+40 755 034 345

Karcan Cutting Tools UK

+44 749 02190 72
export@karcan.com

Karcan Cutting Tools USA

+1862 407 1304
usa@karcan.com

Discover the advantages of
Karcan Cutting Tools World and get more information
about our promotions by .

www.karcan.com