

## Wiper Blade Technologies

### Beam Technology

*ICON™, Evolution™, Clear Advantage™*



Each year, more and more vehicles are equipped with beam blades as original equipment. Beam wiper blades are designed without joints, hinges, metal or plastic brackets. Instead, these blades have a single beam design and tension memory bending process that provides improved performance over hybrid and conventional wiper blades.

### Hybrid Technology

*Insight™*



Another type of blade that comes standard on many vehicles is the hybrid blade. Most of these blades have the framework of a conventional blade, but the aerodynamics of a beam blade. The Bosch Hybrid blade, however, utilizes our patented beam technology to incorporate a better wiping quality.

### Conventional Technology

*Excel+™, Micro Edge™, Direct Connect™*



The most recognized category is called a conventional blade. Conventional blades have a metal framework that holds the rubber in place. Drivers who use conventional blades may opt to upgrade to a beam blade for the winter season to minimize snow and ice build-up that can collect in the frame and affect wiping quality of a conventional wiper blade.

**ICON™**

*Beam*



**Product Feature**

**ClearMax 365™**, an exclusive, patented rubber technology not found on any other wiper blade

Asymmetrical aerodynamic flexible spoiler

Dual precision-tensioned steel springs with "A" and "B" fitment

Exclusive, pre-installed weather shield connector system

**Product Benefit**

Optimum visibility in all weather conditions  
Provides up to **40% longer** performance life than other premium blades

Distributes uniform downward force along the entire blade to hold it firmly to the windshield

Exclusive tension spring arcing technology creates a fit that's custom-contoured to the curvature of each side of the windshield

Protects arm connection from ice and snow build-up

	Blade Length		Hook Arm		Side Lock		Pinch Tab	Top Lock	
	Inches	mm	9x3	9x4	22mm	19mm		19mm	16mm
13 A	13	340	M2*	M2*					
15 A	15	380	M2*	M2*					
16 A	16	400	M2*	M2*					
17 A	17	425	M2*	M2*					
17 B	17	425	M2*	M2*					
18 A	18	450	M2*	M2*					
18 B	18	450	M2*	M2*					
19 A	19	475	M2*	M2*					
19 B	19	475	M2*	M2*					
20 A	20	500	M2*	M2*					
20 B	20	500	M2*	M2*					
21 A	21	530	M2*	M2*					
21 B	21	530	M2*	M2*					
22 A	22	550	M2*	M2*					
22 B	22	550	M2*	M2*					
24 A	24	600	M2*	M2*					
26 A	26	650	M2*	M2*					
28 A	28	700	M2*	M2*					
28 B	28	700	M2*	M2*					
17 OE	17	425			√*	1	√**	√**	√**
18 OE	18	450			√*	1	√**	√**	4
19 OE	19	475			√*	1	√**	√**	4
20 OE	20	500			√*	1	√**	√**	4
21 OE	21	530			√*	1	√**	√**	4
22 OE	22	550			√*	1	√**	√**	4
24 OE	24	600			√*	1	√**	√**	4
26 OE	26	650			√*	1	√**	√**	4
28 AOE (28OE)	28	700			√*	1	√**	√**	4
28 BOE	28	700			√*	1	√**	√**	4



\*Connector is pre-installed on the wiper blade.  
\*\* Pre-installed connector with cover removed.

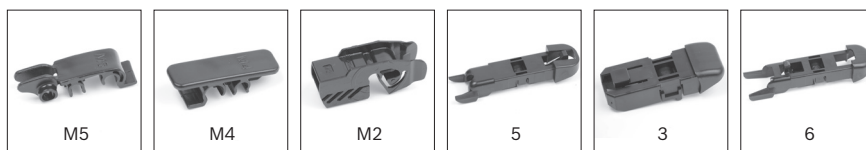
# Wiper Blade Quick-Reference Guide

## EVOLUTION™

*Beam*


Product Feature	Product Benefit
Patented OE beam design	Technology upgrade for vehicles with conventional wiper blades No metal or plastic brackets, joints or hinges
Exclusive graphite-blended natural rubber	Removes even the smallest droplets
Precision-tensioned steel spring	Applies uniform pressure along the entire blade length Specific beam curvature for specialty wiper arm types
Symmetrical wind spoiler	Uses air flow to increase blade-to-windshield contact Shields tension spring from all weather elements
Double-locking connector	Quick, secure connection

	Blade Length		Pin Arm		Hook Arm		Side Lock	Pinch Tab	Top Lock	
			4.8mm	6.35mm						
	Inches	mm	3/16"	1/4"	9x3	9x4	22mm	19mm		
4813	13	340	M5		M2*	M2*	√**			
4815	15	380			M2*	M2*	√**			
4816	16	400	M5		M2*	M2*	√**			
4817	17	425			M2*	M2*	√**			
4818	18	450	M5		M2*	M2*	√**			
4819	19	475	M5		M2*	M2*	√**			
4820	20	500	M5	M4	M2*	M2*	√**			
4821	21	530			M2*	M2*	√**			
4822	22	550		M4	M2*	M2*	√**			
4824	24	600		M4	M2*	M2*	√**			
4826	26	650			M2*	M2*	√**			
4828	28	700			M2*	M2*	√**			
4836	17	425						5	3*	
4837	18	450						5	3*	
4838	19	475						5	3*	
4839	20	500						5	3*	
4840	21	530						5	3*	6
4841	22	550						5	3*	6
4842	24	600						5	3*	6
4843	26	650						5	3*	
4844	28	700						5	3*	



\*Connector is pre-installed on the wiper blade.

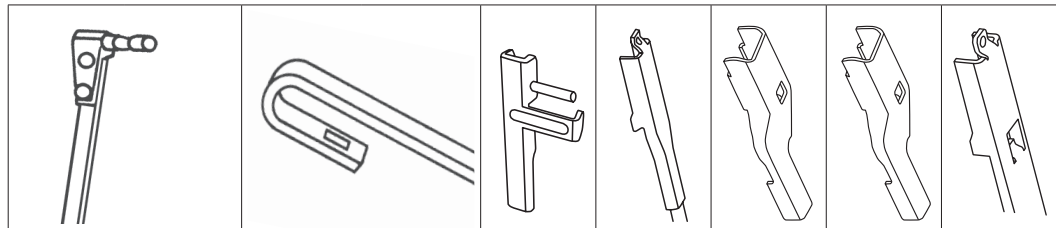
\*\* No adapter required

**Clear Advantage™**

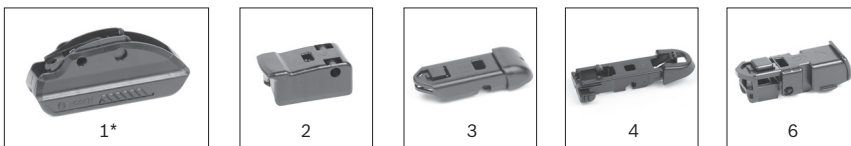
*Beam*



Product Feature	Product Benefit
Precision-tensioned steel spring	Applies uniform pressure along the entire blade length
Aerodynamic wind spoiler	Improves airflow to create down force Protects tension spring from snow and ice build-up
Graphite-treated natural rubber wiping edge	Reduces friction and noise
Click-On™ adapter system	Easy installation



P/N	Blade Length		Pin Arm		Hook Arm		Side Lock	Pinch Tab	Top Lock		
	inches	mm	4.8mm 3/16"	6.35mm 1/4"	9x3	9x4	22mm		19mm	16mm	BMW
13CA	13	340	1*	1*	1*	1*	2	4	3	-	4
15CA	15	380	1*	1*	1*	1*	2	4	3	6	4
16CA	16	400	1*	1*	1*	1*	2	4	3	6	4
17CA	17	425	1*	1*	1*	1*	2	4	3	-	4
18CA	18	450	1*	1*	1*	1*	2	4	3	6	4
19CA	19	475	1*	1*	1*	1*	2	4	3	6	4
20CA	20	500	1*	1*	1*	1*	2	4	3	6	4
21CA	21	530	1*	1*	1*	1*	2	4	3	6	4
22CA	22	550	1*	1*	1*	1*	2	4	3	6	4
24CA	24	600	1*	1*	1*	1*	2	4	3	6	4
26CA	26	650	1*	1*	1*	1*	2	4	3	6	4
28CA	28	700	1*	1*	1*	1*	2	4	3	6	4



\*Adapter is pre-installed on the wiper blade.

# Wiper Blade Quick-Reference Guide

## InSight™

Hybrid



Product Feature	Product Benefit
Streamlined hybrid design and graphite-coated natural rubber	Enhanced wiping performance in all driving conditions
Precision contoured tension spring	Improves windshield contact for reliable performance
Robust integrated spoiler	Consistent high-speed performance
Enclosed hybrid construction	Less snow and ice build up

	Blade Length		Pin Arm		Hook Arm	
			4.8mm	6.35mm		
	Inches	mm	3/16"	1/4"	9x3	9x4
4913	13	340	U3*	U3*	U3*	U3*
4915	15	380	U3*	U3*	U3*	U3*
4916	16	400	U3*	U3*	U3*	U3*
4917	17	425	U3*	U3*	U3*	U3*
4918	18	450	U3*	U3*	U3*	U3*
4919	19	475	U3*	U3*	U3*	U3*
4920	20	500	U3*	U3*	U3*	U3*
4921	21	530	U3*	U3*	U3*	U3*
4922	22	550	U3*	U3*	U3*	U3*
4924	24	600	U3*	U3*	U3*	U3*
4926	26	650	U3*	U3*	U3*	U3*
4928	28	700	U3*	U3*	U3*	U3*



\*Connector is pre-installed on the wiper blade.

**EXCEL+™**

*Conventional*



Product Feature	Product Benefit
Specially-blended natural rubber compound	Removes even the smallest traces of water
Aerodynamic all-steel OE frame design	Maintains blade contact at high speeds
All-steel riveted joints	Reduce play in frame
Zinc dichromate coating	Superior corrosion resistance
Exclusive metal tension springs	Specially tensioned for each blade length Consistent windshield contact
One-step installation system	No adapters required for over 90% of vehicle applications

	Blade Length		Pin Arm		Hook Arm						Pin Blade	Side Saddle 7mm	Bayonet	
			4.8mm	6.35mm	9x3	9x4	Audi	6mm	7mm	8mm			5mm	7mm
			3/16"	1/4"										
41913	13	340	U1*		U1*					U1*				U1*, B6
41915	15	380			U1*					U1*	Pin, U1*			U1*, B6
41916	16	400	U1*		U1*									U1*, B6
41917	17	425			U1*						Pin, U1*	Q7		U1*, B6
41918	18	450	U1*		U1*									U1*, B6
41919	19	475	U1*		U1*	U1*					Pin, U1*	Q7		
41920	20	500	U1*	U2	U1*	U1*				H1				
41921	21	530			U2*	U2*	U2*							
41922	22	550		U2*	U2*	U2*								
41924	24	600		U2*	U2*	U2*								
41926	26	650			U2*	U2*								
41928	28	700				H15*								



\*Connector is pre-installed on the wiper blade.

# Wiper Blade Quick-Reference Guide

## MICRO EDGE™

*Conventional*


Product Feature	Product Benefit
Quiet-Glide™ micro finish rubber wiping edge	Precision-cut wiping edge
Heavy gauge steel frame	Robust frame design
All-steel riveted joints	Stable frame
Zinc dichromate coating	Superior corrosion resistance
Exclusive metal tension springs	Specially tensioned for each blade length
Pre-mounted QuickClip adapter	No additional adapters required for over 90% of vehicle applications

	Blade Length		Pin Arm		Hook Arm						Pin Blade	Side Saddle 7mm	Bayonet	
			4.8mm	6.35mm									5mm	7mm
	Inches	mm	3/16"	1/4"	9x3	9x4	Audi	6mm	7mm	8mm		7mm	5mm	7mm
40710	10	260			H2*									B6
40711	11	280			H2*									B6
40713	13	340	U1*		U1*									U1*, B6
40715	15	380			U1*					U1*	Pin, U1*			U1*, B6
40716A	16	400	U1*		U1*									U1*, B6
40717A	17	425			U1*						Pin, U1*	Q7		U1*, B6
40718A	18	450	U1*		U1*									U1*, B6
40719A	19	475	U1*		U1*	U1*					Pin, U1*	Q7		
40720A	20	500	U1*	U2	U1*	U1*				H1				
40721	21	530			U2*	U2*	U2*							
40722A	22	550		U2*	U2*	U2*								
40724	24	600		U2*	U2*	U2*								
40726	26	650			U2*	U2*								
40728	28	700				H15*								



\*Connector is pre-installed on the wiper blade.

**DIRECT CONNECT™**

*Conventional*



**Product Feature**

**Product Benefit**

Precision-cut natural rubber wiping edge	Removes the smallest droplets for clear view and added safety
Aerodynamic all-steel frame	Helps fight blade lift-off at highway speeds
Exclusive zinc dichromate primer	Provides superior corrosion resistance
DirectConnect installation system	Provides one-step installation for 90% of applications with no adapters required

	Blade Length		Pin Arm		Hook Arm						Pin Blade	Side Saddle 7mm	Bayonet	
			4.8mm	6.35mm	9x3	9x4	Audi	6mm	7mm	8mm			5mm	7mm
	Inches	mm	3/16"	1/4"										
40511	11	280			H2*					H2*				B6
40513	13	340	U1*		U1*					U1*				U1*, B6
40515	15	380			U1*					U1*	Pin, U1*			U1*, B6
40516	16	400	U1*		U1*									U1*, B6
40517	17	425			U1*						Pin, U1*	Q7		U1*, B6
40518	18	450	U1*		U1*									U1*, B6
40519	19	475	U1*		U1*	U1*					Pin, U1*	Q7		
40520	20	500	U1*	U2	U1*	U1*				H1				
40521	21	530			U2*	U2*	U2*							
40522	22	550		U2*	U2*	U2*								
40524	24	600		U2*	U2*	U2*								
40526	26	650			U2*	U2*								
40528	28	700					H15*							



\*Connector is pre-installed on the wiper blade.



## O.E. Style Blades

### AEROTWIN™ Wiper Blades



Product Feature	Product Benefit
Patented beam design	Offers a technology upgrade for vehicles with conventional wiper blades Contains no metal or plastic brackets, joints or hinges
Specially blended dual rubber compound with graphite coating	Removes even the smallest traces of water for exceptional all-weather visibility Provides smooth and quiet operation
Dual precision-tensioned steel springs	Applies uniform pressure along the entire blade length for crystal clear visibility Features specific beam curvature for OE specialty wiper arm types
Asymmetrical wind spoiler	Uses air flow to increase blade-to-windshield contact for consistent performance at highway speeds Shields tension springs from all weather elements for increased durability and long life
Pre-assembled OE Style Adaptor	Provides OE fit and function for easy installation

### TWIN™ Wiper Blades



Product Feature	Product Benefit
Double corrosion protection	Enables the robust all-metal bracket system to withstand any weather conditions for superior performance
Specially designed coating	Removes even the smallest traces of water for exceptional all-weather visibility Provides smooth and quiet operation
Pre-assembled OE style adaptor	Provides OE fit and function for easy installation

### REAR Wiper Blades



Product Feature	Product Benefit
Four integrated REAR quick-click connections (Rock Lock 2, Rock Lock 3, Snap Claw, Slide Pinch)	Suits all of the most popular OE connection types for easy installation
Natural rubber with graphite coating	Removes even the smallest traces of water for exceptional all-weather visibility Provides smooth and quiet operation
OE style blade design	Provides OE fit, function and appearance

**Aerotwin Wiper Blades™**

Part Number	Package Quantity	Length		Position
		Inches	mm	
3397007072	2	24/19	600/475	Front
3397007088	2	26/20	650/500	Front
3397007093	2	28/21	700/530	Front
3397007215	2	26/24	650/600	Front
3397007290	2	22/21	550/530	Front
3397007294	2	24/22	600/550	Front
3397007297	2	24/20	600/500	Front
3397007299	2	24/13	600/340	Front
3397007452	2	24/18	600/450	Front
3397007523	2	26/18	650/450	Front
3397007579	2	24/16	600/400	Front
3397007586	2	27/20	675/500	Front
3397007620	2	24/19	600/475	Front
3397007638	2	26/21	650/530	Front
3397007653	2	26/17	650/425	Front
3397009053	2	24/24	600/600	Front

Part Number	Package Quantity	Length		Position
		Inches	mm	
3397009798	2	21/21	530/530	Front
3397118922	2	20/20	500/500	Front
3397118923	2	21/21	530/530	Front
3397118929	2	24/19	600/475	Front
3397118933	2	22/22	550/550	Front
3397118934	2	22/22	550/550	Front
3397118936	2	24/19	600/475	Front
3397118938	2	24/24	600/600	Front
3397118942	2	26/26	660/660	Front
3397118946	2	27/27	675/675	Front
3397118948	2	26/26	650/650	Front
3397118953	2	26/24	650/600	Front
3397118955	2	24/23	600/575	Front
3397118966	2	24/21	600/530	Front
3397118979	2	24/19	600/475	Front

**Twin Wiper Blades™**

Part Number	Package Quantity	Length		Position
		Inches	mm	
3397001014	2	22/22	550/550	Front
3397001359	2	28/25	700/630	Front
3397001367	2	25/24	630/600	Front
3397001394	2	23/20	575/500	Front
3397001472	2	18/16	450/400	Front
3397001539	2	26/22	650/550	Front
3397001543	2	24/22	600/550	Front
3397001582	2	22/21	550/530	Front
3397001583	2	21/21	530/530	Front
3397001584	2	21/19	530/475	Front
3397001728	2	22/19	550/475	Front
3397001802	2	24/21	600/530	Front
3397001814	2	25/25	630/630	Front
3397001909	2	22/22	550/550	Front
3397002937	1	24	600	Front
3397005046	2	27/27	675/675	Front
3397005808	2	26/26	650/650	Front
3397012091	1	24	600	Front

Part Number	Package Quantity	Length		Position
		Inches	mm	
3397012455	1	26	650	Front
3397018300	1	24	600	Front
3397118302	2	24/24	600/600	Front
3397118306	2	24/19	600/475	Front
3397118308	2	24/22	600/550	Front
3397118401	2	21/21	530/530	Front
3397118404	2	21/20	530/500	Front
3397118406	2	21/19	530/475	Front
3397118408	2	21/21	530/530	Front
3397118421	2	22/22	550/550	Front
3397118423	2	22/20	550/500	Front
3397118427	2	22/16	550/400	Front
3397118451	2	23/23	575/575	Front
3397118506	2	18/18	450/450	Front
3397118541	2	19/19	475/475	Front
3397118542	2	19/18	475/450	Front
3397118561	2	20/20	500/500	Front
3397118611	2	16/16	400/400	Front

**Rear Wiper Blades**

Part Number	Package Quantity	Length		Position
		Inches	mm	
A280H	1	11	280	Rear
A281H	1	11	280	Rear
A282H	1	11	280	Rear
A330H	1	13	340	Rear
A332H	1	13	340	Rear
A340H	1	13	340	Rear
A351H	1	14	350	Rear
A360H	1	15	380	Rear
A380H	1	15	380	Rear
A401H	1	16	400	Rear
A402H	1	16	400	Rear
H281	1	11	280	Rear
H300	1	12	300	Rear
H301	1	12	300	Rear
H306	1	12	300	Rear
H307	1	12	300	Rear

Part Number	Package Quantity	Length		Position
		Inches	mm	
H351	1	14	350	Rear
H352	1	14	350	Rear
H353	1	14	350	Rear
H354	1	14	350	Rear
H355	1	14	350	Rear
H370	1	15	380	Rear
H380	1	15	380	Rear
H402	1	16	400	Rear
H409	1	16	400	Rear
H410	1	16	400	Rear
H425	1	17	425	Rear
H753	1	15	380	Rear
H772	1	13	340	Rear
H840	1	13	340	Rear
H874	1	13	340	Rear