



# HELLA Wiper Blades

Single Programm  
May 2012



# HELLA Wiper Blade

## Product overview

Type	Application	Part number	Short code	Numbers
Conventional Wiper Blade	Standard Type	9XW 178 878-XX1 LHD 9XW 190 253-XX1 RHD	WPXX LHD WPRXX RHD	13 13
	Commercial Type	9XW 184 107-XX1 LHD 9XW 191 397-XX1 RHD	WTRXX LHD WTRXX RHD	8 8
Flat Wiper Blade (Dyna Blade)	Standard Type	9XW 190 680-XX1	WPXXF LHD/RHD	16



Conventional Wiper Blade



Flat Wiper Blade

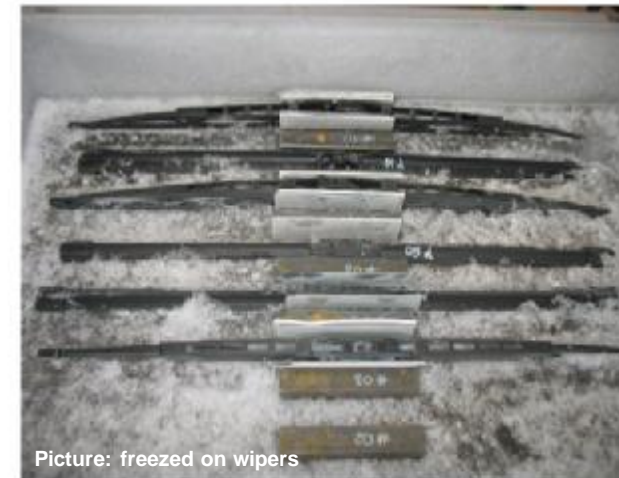
# Conventional Wiper Blades

## Test specifications

Testing Compilation arranged by Hella	
Test Chapter	Possible maximum score
<b>Cleaning</b>	<b>310</b>
Wipe quality in new condition	100
Wipe quality after endurance test	90
Wipe area coverage	70
High speed performance	50
<b>Practice</b>	<b>80</b>
Retaining clip	20
Build quality	20
Noise performance	40
<b>Lab test</b>	<b>110</b>
Freeze on (pull off- and bark test)	30
Bounce testing	20
Corrosion endurance	30
Heat resistance	30
<b>Overall evaluation</b>	<b>500</b>



Picture: Test setup car view



Picture: froze on wipers

# Conventional Wiper Blades

## Test results

Brand / Model		Hella WP19 9XW 178 878-191	Competitor B	Korean supplier	Competitor C
<b>Cleaning</b>					
Wipe quality (new condition)	100	100	95	90	88
Wipe quality (after endurance test)	90	77	81	68	61
Wiping area	70	63	53	59	57
Reaction of wipers when vehicle reaches highspeed	50	25	40	16	16
	<b>310</b>	<b>265</b>	<b>269</b>	<b>233</b>	<b>222</b>
<b>Exercise</b>					
Adaptor	20	18	18	12	12
Build quality	20	14	16	12	8
Noise resistance	40	36	36	28	24
	<b>80</b>	<b>68</b>	<b>70</b>	<b>52</b>	<b>44</b>
<b>Laboratory test</b>					
Reaction in terms of cold climate	30	30	30	30	30
Crash test	20	20	20	30	20
Corrosion resistance	30	18	30	24	30
Reaction in terms of hot climate	30	18	20	17	26
	<b>110</b>	<b>86</b>	<b>100</b>	<b>101</b>	<b>106</b>
<b>Result</b>					
<b>Score</b>	<b>500</b>	<b>419</b>	<b>439</b>	<b>386</b>	<b>372</b>

# HELLA Dyna Wiper Blade













## Product information

- Optimal bended metal rail offers constant pressure distribution at every point on the windshild tends to perfect performance. The constant pressure distribution offers a constant wear of the rubber.
- Prevents ice-build-up in winter due to missing exterior metal parts.
- Aerodynamical profile offers a perfect pressure distribution and prevents wind noises. The Optimal downwardforce force prevents wind-lift.
- Perfect cleaning due to graphite coated rubber. High resistance to ozone, ultraviolet, cold and ice. The protection lip protects the wiper blades till mounting.
- 98% Marktabdeckung
  - Preinstalled adapter for Hook arms
  - Including adapter for OE-Wiper arms
- Aesthetically appealing
  - Hello Logo on ending caps
- Wiper Blades are implemented in Tec Doc



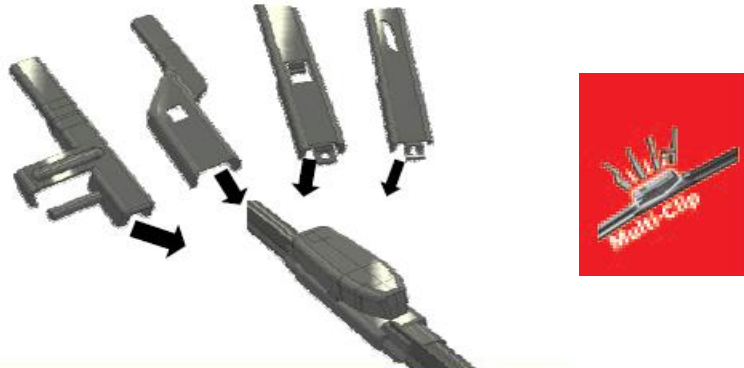
# HELLA Dyna Wiper Blade

## HELLA Adapter solution

Type	Wiper arms				
U Hook Adapter 	fits to	 U Hook 9x3mm	 U Hook 9x4mm	Preinstalled	
OE2 Adapter 	fits to	  For Audi wiper arm For new PTB wiper arm*			
OE3 Adapter 	fits to	    For I&L wiper arm For PTB wiper arm* For Renault wiper arm For BMW wiper arm			
OE4 Adapter 	fits to	 For MB wiper arm			* Push Top Button ** Insert and Lock

▶ Trouble-free mounting at conventional hook arms AND at actual OE wiper arms.

# HELLA Dyna Wiper Blade Competitor



Aerotwin Single Blade Programm mit Multi-Clip fits to 4 OE wiper arms.

It is not possible to retrofit a hook wiper arms with this wiper blade.



To retrofit older cars (with hook wiper arms) to flat blades you have to offer a further product range.

# HELLA Dyna Wiper Blade Packaging



- Blister packaging
- Applicationen on the back (Installed base > 100.000)
- Detailed installation on the back and also included
- QR Code



# HELLA Dyna Wiper Blade

## Product overview

Part number	Code	Length Inch/mm				Packag.	VP K	VP G
9XW 190 680-131	WP13F	13"	325mm			Blister	1	10
9XW 190 680-141	WP14F	14"	350mm			Blister	1	10
9XW 190 680-151	WP15F	15"	375mm			Blister	1	10
9XW 190 680-161	WP16F	16"	400mm			Blister	1	10
9XW 190 680-171	WP17F	17"	425mm			Blister	1	10
9XW 190 680-181	WP18F	18"	450mm			Blister	1	10
9XW 190 680-191	WP19F	19"	425mm			Blister	1	10
9XW 190 680-201	WP20F	20"	500mm			Blister	1	10
9XW 190 680-211	WP21F	21"	525mm			Blister	1	10
9XW 190 680-221	WP22F	22"	550mm			Blister	1	10
9XW 190 680-231	WP23F	23"	575mm			Blister	1	10
9XW 190 680-241	WP24F	24"	600mm			Blister	1	10
9XW 190 680-251	WP25F	25"	625mm			Blister	1	10
9XW 190 680-261	WP26F	26"	650mm			Blister	1	10
9XW 190 680-271	WP27F	27"	675mm			Blister	1	10
9XW 190 680-281	WP28F	28"	700mm			Blister	1	10

