



# Wiper Motor WDA

## Calibration Sheet

Bosch Engineering GmbH  
 Motorsport  
 Robert-Bosch-Allee 1  
 74232 Abstatt  
 Phone +49 7062 911-9101  
 Fax +49 7062 911-79104  
 Motorsport@bosch.com  
 www.bosch-motorsport.com

Customer: \_\_\_\_\_

Date: \_\_\_\_\_

Type	Range
<b>Position</b>	
First wiping position	0...160° (174°)
Second wiping position	0...160° (174°)
Wiping speed 1	0...60 cycles/min
Wiping speed 2	0...60 cycles/min
Park position *	0° or WP1...WP2°
Driver seating position **	left or right

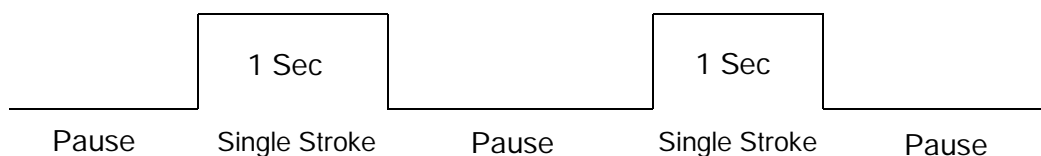
WDA-Analog	WDA-LIN
°	°
°	°
40 cycles/min (fixed)	cycles/min
60 cycles/min (fixed)	cycles/min
°	°

### Operating Modes

Stop  
 Interval  
 Speed 1  
 Speed 2  
 Single Stroke

Available?	Available?
Yes	Yes
Yes	Yes, 4 selectable speeds (see below)
Yes	Yes
Yes	Yes
Not available	Yes

Interval operation: Wiping frequency:

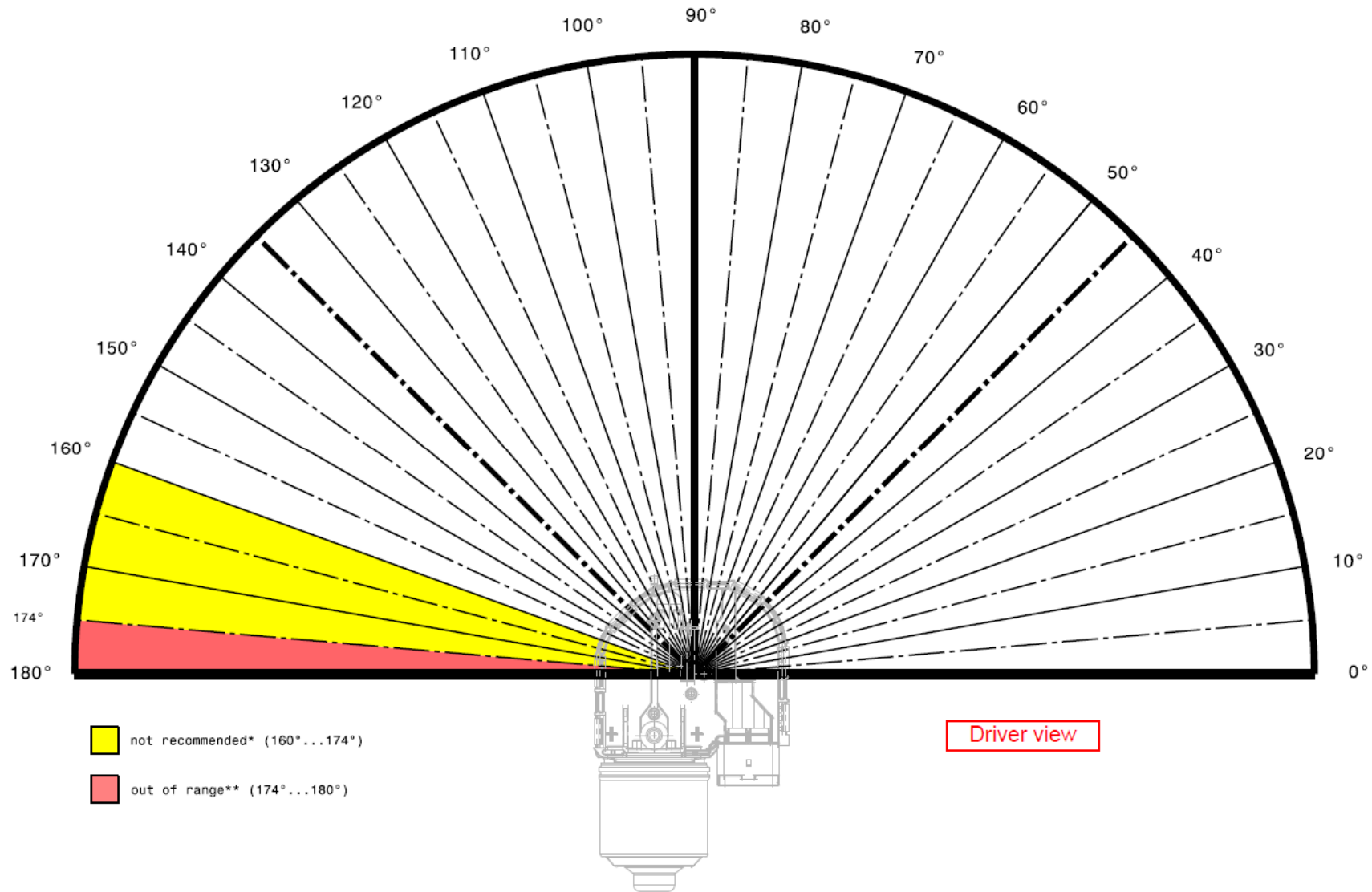


Interval Mode: Selectable Speeds (WDA-LIN)	
Interval Speed 1	Pause = 23 Sec
Interval Speed 2	Pause = 15 Sec
Interval Speed 3 (fixed speed Analog-Firmware)	Pause = 7 Sec
Interval Speed 4	Pause = 3 Sec

\* **WP1:** Wiping Position 1, **WP2:** Wiping Position 2  
 Select a park position between WP1 and WP2 to park **in the middle of the windscreen.**

\*\* The driver seating position is important to define the direction of the first wiping stroke

# CALIBRATION SHEET WIPER MOTOR WDA



\* The internal mechanics of the WDA were not tested to work in this range. The maximal moment in the shaft of the motor could be too weak for your application. Please note; in this range and in case of too high wind resistance or too high friction between blade and windscreen the WDA would work improperly.

\*\* Range excluded of operation to prevent overshooting problems. Working over 180°, the wiper motor would lose its internal reference. Please note; Make sure that the wiper is in its workspace when restarting after a power failure (upper and lower limit).