

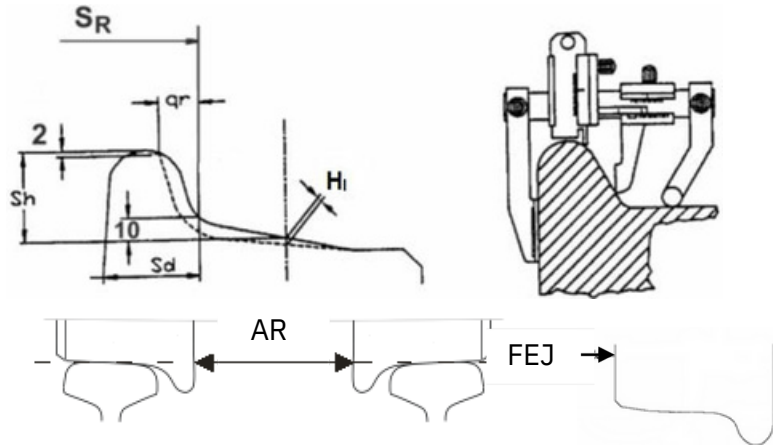
Wheel Inspection Report

Loco type	BR 145 / BR 185 / BR 186 / E 186 BR 285 / RE 484 / E 483	Loco number	
Operating company		Mileage	

Limits of wear

Sh	min. 27,50	mm
	max. 36,00	mm
Sd	max. 33,00	mm
	min. 26,00	mm
qR	> 6,5	mm
AR	1360 +3/-3	mm
SR	max. 1426	mm
	min. 1412	mm
d	≥ 1170	mm
Projections	max. 5,00	mm
Shelled tread HI	max. 2,00	mm

$$SR = AR + Sd \text{ right} + Sd \text{ left}$$



Monobloc wheel	Rolling circle diameter Ø	Max. adm. difference Right/left of a wheelset	Max. adm. difference Within a bogie	Max. adm. difference Between the bogies
Limiting dimension	1170,00 mm	2,00 mm	6,00 mm	40,00 mm
Remanufacture	1250,00 mm	0,50 mm	6,00 mm	40,00 mm

Wheelset number		1		2		3		4	
		left	right	left	right	left	right	left	right
Sd	mm								
Sh	mm								
qR	mm								
d*	mm								
HI	mm								
AR**	mm								
	mm								
	mm								
SR	mm								
*	3-point measurement 120°, average determination								
**	3-point measurement 120° (measuring points by displacement of the locomotive to elevation top of rail)								

Twisted wheel discs?
(Labelling wheel/shaft):

☐

No

☐

Yes

→

Disable locomotive
(Status "red")

→

Inform mgw Service

Notes where
applicable:

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Wheelset number		1		2		3		4	
		left	right	left	right	left	right	left	right
Projections									
		max. 5 mm							
Surface flaking	Ø								
	Depth								
		Ø max. 30 mm and depth max. 1.5 mm or Ø max. 20 mm and depth max. 2 mm							
Material deposition	Height								
	Length								
		Height: max. 0.8 mm, length: max. 60 mm							
Flat spot	Depth								
	Length								
		Depth: max. 0.8 mm deep, length: max. 60 mm							
Clamping notches									
		Inadmissible at front of flange (FEJ); notches without notch effect are admissible							
Axial runout									
		Limit of wear: ≤ 1.5 mm							
Radial runout									
		Limit of wear: ≤ 1 mm							
Spalling, holes	Ø								
	Depth								
		Ø max. 30 mm and depth max. 1.5 mm or Ø max. 20 mm and depth max. 2 mm							
Tread with net pattern	Depth								
	Length								
		Depth: max. 0.8 mm, length: max. 60 mm							

Notes:

Inspection equipment	Wheel profile gauge	Measuring stick AR dimension	Diameter gauge
Serial number Next			
calibration			

Date / Place of measurement	/		
Inspector Name & Signature	/		
Locomotive status	<input type="checkbox"/> Available	<input type="checkbox"/> Disabled	Stamp