

# ☰ Arado Ar 195

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The **Arado Ar 195** was a single-engine [prototype carrier-based torpedo bomber](#), built by the [German](#) firm [Arado](#) for service on the [German aircraft carrier](#) *[Graf Zeppelin](#)*, during [World War II](#).

## Design and development [ edit ]

A derivative of the [Ar 95](#), fitted with an [arrestor hook](#) and [catapult equipment](#) as well as a taller [canopy](#), the Ar 195 was intended as a [torpedo bomber](#) to equip [Nazi Germany](#)'s first [aircraft carrier](#), the *[Graf Zeppelin](#)*, which was named after [Graf Ferdinand von Zeppelin](#), of dirigible fame. Although three prototypes were flown in 1937, the design did not meet the requirements of the specification. It suffered an excess of drag which was detrimental to its flyability, and so was rejected in 1938<sup>[1]</sup> in favour of the [Fieseler Fi 167](#), which was considered superior.<sup>[2]</sup>

Ar 195 first prototype	
<span></span>	<span></span>
<span></span>	<span></span>
General information	
<b>Type</b>	Torpedo bomber
<b>Manufacturer</b>	<a href="#">Arado Flugzeugwerke</a>
<b>Status</b>	Prototype
<b>Primary user</b>	<a href="#">Luftwaffe</a>
<b>Number built</b>	3
History	
<b>First flight</b>	1937
<b>Developed from</b>	<a href="#">Arado Ar 95</a>

## Operator [ edit ]

🇩🇪 [Germany](#)

- [Luftwaffe](#)

## Specifications (Ar 195) [ edit ]

Data from <sup>[3]</sup>

### General characteristics

- **Crew:** two
- **Length:** 10.5 m (34 ft 5 in)
- **Wingspan:** 12.5 m (41 ft 0 in)
- **Height:** 3 m (9 ft 10 in)
- **Wing area:** 46 m<sup>2</sup> (500 sq ft)
- **Empty weight:** 2,143 kg (4,725 lb)
- **Gross weight:** 3,670 kg (8,091 lb)
- **Powerplant:** 1 × [BMW 132M](#) 9-cyl. air-cooled radial piston engine, 619 kW (830 hp) for take-off
- **Propellers:** 3-bladed fixed pitch metal propeller

## Performance

- **Maximum speed:** 290 km/h (180 mph, 160 kn)
- **Cruise speed:** 250 km/h (160 mph, 130 kn)
- **Range:** 650 km (400 mi, 350 nmi)
- **Service ceiling:** 6,000 m (20,000 ft)
- **Time to altitude:** 4,000 m (13,123 ft) in 14 minutes

## Armament

- **Guns:** 1x fixed forward firing 7.9 mm (0.311 in) [MG 17 machine gun](#) with 500 rounds
  - 1 x 7.9 mm (0.311 in) [MG 15](#) machine-gun with 600 rounds flexibly mounted in the rear cockpit
- **Bombs:** 1 x 500 kg (1,102 lb) [SC500 bomb](#)
  - or
  - 1x 250 kg (551 lb) [SC250 bomb](#)
  - 4 x 50 kg (110 lb) [SC50 bombs](#)
    - or
    - 1 x 700 kg (1,543 lb) [torpedo](#)

See also  [[edit](#)]

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### Related development

- [Arado Ar 95](#)

### Aircraft of comparable role, configuration, and era

- [Fieseler Fi 167](#)
- [Fairey Albacore](#)

# References [[edit](#)]

- ↑ Munson 1978, p. 18.
- ↑ "Luftwaffe Resource Center - Bombers - A Warbirds Resource Group Site"  www.warbirdsresourcegroup.org. Retrieved 2021-05-06.
- ↑ Green, William (2010). *Aircraft of the Third Reich*. Vol. 1 (1st ed.). London: Aerospace Publishing Limited. p. 44. ISBN 978-1-900732-06-2.

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