

## D 185 Lütjens [Charles F. Adams, Type Z103] - 1981

### Germany [FRG/Reunified]

Type: DDG - Guided Missile Destroyer

Max Speed: 31 kt

Commissioned: 1981

Length: 133.2 m

Beam: 14.3 m

Draft: 6.1 m

Crew: 340

Displacement: 3570 t

Displacement Full: 4825 t

Propulsion: 4x Combustion Engineering

Boilers, 2x Westinghouse Steam Turbines



### Sensors / EW:

- Telegon 6 - (CXA(1)) ESM, HF/DF, Max range: 926 km
- AN/WLR-11 - (RWR for AN/WLR-1G, Improved AN/WLR-3 & AN/ALR-52) ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- AN/WLR-1 - (Generic) ESM, ELINT, Max range: 926 km
- AN/WLR-6 Waterboy - (Generic) ESM, ELINT, Max range: 926 km
- AN/SPQ-9 [Mk86 GFCS] - (Generic) Radar, Radar, Target Indicator, 3D Surface-to-Air & Surface-to-Surface, Max range: 37 km
- AN/SPS-52 - (Generic) Radar, Radar, Air Search, 3D Long-Range, Max range: 444.5 km
- AN/SPS-10B - (Generic) Radar, Radar, Surface Search & Navigation, Max range: 74.1 km
- AN/SPS-40 - (1963) Radar, Radar, Air Search, 2D Long-Range, Max range: 407.4 km
- AN/SPG-51C [Mk74 FCS, LLTV] - (Group) Visual, LLTV, Target Tracking and Identification, Max range: 74.1 km
- AN/SPG-51C [Mk74 FCS, Radar] - (Group) Radar, Radar, FCR, Surface-to-Air, Medium-Range, Max range: 185.2 km
- AN/SQS-23F TRAM - (TRAM Version of AN/SQS-23B) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Attack, Max range: 37 km
- AN/SPG-60 STIR [Mk86 GFCS, Radar] - (Gun-Only) Radar, Radar, FCR, Weapon Director, Max range: 88.9 km
- Mk1 Mod 2 ROS - (Gun-Only) Visual, LLTV, Weapon Director & Target Search, Slaved Tracking and Identification, Max range: 185.2 km
- AN/ULQ-6B - (1970) ECM, OECM & DECM, Offensive & Defensive ECM, Max range: 0 km

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### Weapons / Loadouts:

- 127mm/54 HE-CVT [HiFrag] - (USN) Gun. Air Max: 2.8 km. Surface Max: 20.4 km. Land Max: 20.4 km.
- 127mm/54 HE-PD [HiCap] - (USN) Gun. Air Max: 2.8 km. Surface Max: 20.4 km. Land Max: 20.4 km.
- RUR-5A Mod 4 ASROC RTT [Mk46 Mod 2] - Guided Weapon. Subsurface Max: 18.5 km.
- Mk46 LWT Mod 2 - (1972) Torpedo. Subsurface Max: 5.6 km.

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- RIM-66A SM-1MR Blk IV - (1969, Main Production Variant) Guided Weapon. Air Max: 33.3 km. Surface Max: 33.3 km.
- Generic GMTR [Guided Missile Training Round] - (Aka Drill Round) Training Round.