

Ship RCS Table

(Source: Williams/Cramp/Curtis: Experimental study of the radar cross section of maritime targets, Electronic Circuits and Systems, Vol. 2, No. 4, July 1978, amended by I. Harre, 2004)

Target Ship			Median radar cross section of target vessel, m ²								
Type	Overall length (m)	Gross tonnage	10	100	1,000	10,000	100,000	1,000,000	10,000,000	approx. min. RCS	approx. max. RCS
Inshore fishing vessel	9	5	█							3	10
Small coaster	40-46	200-250		█						20	800
Coaster	55	500		█						40	2,000
Coaster	55	500		█						300	4,000
Coaster	57	500			█					1,000	16,000
Large Coaster	67	836-1,000			█					1,000	5,000
Collier	73	1,570			█					300	2,000
Warship (frigate)	103	2,000*				█				5,000	100,000
Cargo liner	114	5,000				█				10,000	16,000
Cargo liner	137	8,000				█				4,000	16,000
Bulk carrier	167	8,200			█					400	10,000
Cargo	153	9,400				█				1,600	12,500
Cargo	166	10,430			█					400	16,000
Bulk carrier	198	15,000-20,000			█					1,000	32,000
Ore carrier	206	25,400				█				2,000	25,000
Container carrier	212	26,436**				█				10,000	80,000
Medium tanker	213-229	30,000-35,000				█				5,000	80,000
Medium tanker	251	44,700					█			16,000	1,600,000

* Displacement
 ** Considerable deck cargo

S = stern on
 Q = quarter
 B = broadside
 BW = bow
 BWO = bow on
 n = near