

Wing:	226 – 248 mm	224 -249 mm
Tail:	193 – 220 mm	185 – 220 mm

Ageing:

0	Adult (4+)	Immature	Juvenile
Bill:	grey-black with paler grey tomia;	by six months - grey-black;	light grey with pinkish white tip;
Gape:	dark grey;	grey;	pale yellowish;
Iris:	bright red;	6 months (1) – brown with yellowish-brown outer ring;	rich brown;
		18 months (2)– brown with	
		broad dull orange outer ring	g;
		30 months (3) – orange-red	
		with narrow orange-brown inner ring;	
		42 months (4) – red with	
		brown flecks near centre;	
Overall plumage:	wholly black except for white on primaries;	up until second immature moult (12 – 15 months old)	
		mostly black as adult but w	
		juvenile brown retained alu greater primary coverts,	ld,
		primaries, secondaries and	rectrices
		prinaries, secondaries and	

## Sexing :

No difference in plumage or size.

Brooding by breeding and non-breeding members of the group, but usually older birds, especially the males.