

## Morphometrics:

	Adult Male	Adult Female
Wing:	375 – 447 mm	181 – 475 mm
Tail:	138 – 193 mm	143 – 183 mm
Bill:	43.5 – 61.5 mm	44.0 – 62.0 mm
Tarsus:	62.3 – 95.0 mm	64.0 – 92.0 mm
Weight:	1250 – 2150 g	1432 – 2180 g

## Ageing:

Juveniles (1) are readily separated from immature (3-) and adult (4+) plumages by:

- uniform, rich dark-brown plumage without contrasting pale nape and shaft streaks whereas Immatures and adults are entirely rich dark brown;
- often, rufous tinge at tips of feathers, especially on scapulars and breast;
- bicoloured bill (black on ridge and tip with dull grey sides) whereas bill is completely uniform dull black in Immature and adult birds;

After post-juvenile moult, Immature (2+) birds gradually transition to adult plumage probably up to third year, but differ only slightly and cannot be reliably separated on current knowledge; Minimum age of breeding is probably 4 years, but not recorded breeding until 6 to 8 years old, so record unknown-aged breeding birds as (4+).

## Sexing:

Sexes similar in plumage, but females slightly larger than males; Both sexes incubate.