

# ROWLAND WARD LTD.

FOUNDED 1870



Europe, Asia and South Pacific	Minimum	Minimum	Method
Minimums for 31st edn.	Inches/points	Cent.	2021-10
<b>ANTELOPES</b>			
Arabian or White Oryx	15	38.0	Method 7-a
Blackbuck or Indian Antelope	23	58.5	Method 8
Four-horned Antelope or Chousingha	2 4/8	6.5	Method 7-a
Nilgai	7 4/8	19.0	Method 7-a
Saiga	11 4/8	29.0	Method 7-a
Tibetan Antelope or Chiru	23	58.5	Method 7-a
<b>Gazelles</b>			
<b>Goitered</b>			
Arabian Goitered or Sand Gazelle	11	28.0	Method 7-a
Hillier's or Mongolian Goitered Gazelle	12	30.5	Method 7-a
Persian Goitered Gazelle	14	35.5	Method 7-a
Yarkand Goitered Gazelle or Saikik	12	30.5	Method 7-a
<b>Central Asian</b>			
Mongolian Gazelle or Dzeren	10	25.5	Method 7-a
Tibetan Gazelle or Goa	11 4/8	29.0	Method 7-a
Przewalskiy's Gazelle	9	23.0	Method 7-a
<b>Middle East and Indian Subcontinent</b>			
Eritrean Gazelle	9 4/8	24.0	Method 7-a
Indian Gazelle or Chinkara	10	25.5	Method 7-a
Kennion's or Jebeer Gazelle	10	25.5	Method 7-a
Mountain Gazelle	8	20.5	Method 7-a
<b>BEARS</b>			
<b>Brown bears</b>			
Amur Brown Bear	21	53.5	Method 18
Eurasian Brown Bear	22	56.0	Method 18
Himalayan Brown Bear	17 4/8	44.5	Method 18
Kamchatka Brown Bear	25	63.5	Method 18
Siberian Brown Bear	21	53.5	Method 18
<b>Non-Brown Bears</b>			
Asian or Himalayan Black Bear	19	48.5	Method 18
Giant Panda	19	48.5	Method 18
Polar Bear (Listed in Americas)	26	66.0	Method 18
Sloth Bear	18 4/8	47.0	Method 18
Sun Bear	14	35.5	Method 18
<b>CANINES</b>			
Wolf	15	38.0	Method 18
Wolverine	10	25.5	Method 18
Striped Hyena	14	35.5	Method 18
<b>CATS</b>			
Asian Lion	21	53 4/8	Method 18
Eurasian Lynx	10	25 4/8	Method 18
<b>Leopards</b>			
Asian Leopard	15	38.0	Method 18
Snow Leopard	11	28.0	Method 18
Clouded Leopard	9	23.0	Method 18
<b>Tigers</b>			
Bengal Tiger (skull)	19	48.5	Method 18
Bengal Tiger (body)	9 feet	2m 74cm	Historical only
South Chinese Tiger	19	48.5	Method 18

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Siberian or Amur Tiger	22	56.0	Method 18
Sumatran Tiger	19	48.5	Method 18
Indochinese Tiger	21	53.5	Method 18
<b>CROCODILES</b>			
Gharial or fish eating crocodile	9 feet	2m 74cm	Method 19
Marsh Crocodile or Mugger	10 feet	3m 5cm	Method 19
Saltwater Crocodile	10 feet	3m 5cm	Method 19
<b>DEER</b>			
Axis Deer			
Axis, Chital or Indian Spotted Deer	130	330.0	Method 1-f
Caribou or Reindeer			
Eurasian Reindeer	260	660.5	Method 2
Chevrotain			
Indian Chevrotain	6	15.0	Method 18
Eld's Deer			
Burmese Eld's Deer or Thamin	140	355.5	Method 1-h
Eld's or Manipur Brow-Antlered Deer	140	355.5	Method 1-h
Thai Eld's Deer	140	355.5	Method 1-h
Fallow Deer			
European Fallow Deer	140 or 200 CIC	355.5	Method 3
Persian or Mesopotamian Fallow Deer	125	317.5	Method 3
Hog, Bawean and Calamian Deer			
Hog Deer	65	165.0	Method 1-f
Bawean Hog or Kuhl's Deer	50	127.0	Method 1-f
Calamian Hog Deer	40	101.5	Method 1-f
Moose & Irish Elk			
Amur Moose (Cervine)	140	355.5	Method 4b
Amur Moose (Palmated)	120	305.0	Method 4a
Chukotka or Siberian Moose	200	508.0	Method 4a
European Moose (Cervine)	130	330.0	Method 4b
European Moose (Palmated)	110	279.5	Method 4a
Irish Elk or Giant Deer	No Min	No Min	Method 4a
Muntjac & Tufted deer			
Black or Hairy Fronted Muntjac	10	25.5	Method 1-j
Indian or Red Muntjac	17	43.0	Method 1-j
Reeves' or Chinese Muntjac	14	35.5	Method 1-j
Borneo Yellow Muntjac	10	25.5	Method 1-j
Tufted Deer	10	25.5	Method 6
Musk Deer			
Alpine Musk Deer	2	5.0	Method 6
Siberian or Taiga Musk Deer	3	7.5	Method 6
Père David's Deer			
Père David's Deer or Milu	225	571.5	Method 1-i
Red Deer (Europe)			
Central European Red Deer	300 or 225 CIC	762.0	Method 1-b
Norwegian Red Deer	180	457.0	Method 1-b
Scottish Red Deer	165	419.0	Method 1-b
Scottish Red deer (Prehistoric)	165	419.0	Method 1-b
Spanish Red Deer	260	660.5	Method 1-b
Swedish Red Deer	275	698.5	Method 1-b
Red Deer and Maral (Asia)			
Alshansk or Alashan Maral	150	381.0	Method 1-a
Bukhara or Bactrian Red Deer	225	571.5	Method 1-b
Eastern Red Deer or Maral	290	736.5	Method 1-b
Izubr or Manchurian Maral	175	444.5	Method 1-a
Kashmir Red Deer or Hangul	200	508.0	Method 1-b
MacNeill's Red Deer	185	470.0	Method 1-b
Shou or Wallich's Red Deer	285	724.0	Method 1-b
Siberian or Altai Maral	300	762.0	Method 1-a

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Tian Shan Maral	360	914.5	Method 1-a
Yarkand Red Deer	340	863.5	Method 1-b
Roe Deer			
European Roe Deer	44 or 140 CIC	112.0	Method 1-g
European Roe Deer (NT)	46	117.0	Method 1-g
European Roe Deer (black/melanistic)	40	101.5	Method 1-g
Siberian Roe Deer	58	147.5	Method 1-f
Siberian Roe Deer (NT)	65	165.0	Method 1-f
Manchurian or Chinese Roe Deer	48	122.0	Method 1-f
Manchurian or Chinese Roe Deer (NT)	52	132.0	Method 1-f
Rusa Deer			
Rusa Deer	120	305.0	Method 1-f
Sambar			
Ceylonese (Sri Lanka) Sambar	120	305.0	Method 1-f
Formosan Sambar	100	254.0	Method 1-f
Indian Sambar	170	432.0	Method 1-f
Indochinese Sambar	125	317.5	Method 1-f
Philippine Sambar or Brown Deer	No Min	No Min	Method 1-f
South China Sambar	120	305.0	Method 1-f
Sika			
Japanese Sika Deer	100	254.0	Method 1-f
Chinese Sika Deer	100	254.0	Method 1-f
Manchurian or Dybowski's Sika Deer	140	355.5	Method 1-f
Northern Japanese Sika Deer	130	330.0	Method 1-f
Schomburgk's Deer			
Schomburgk's Deer	No Min	No Min	Method 1-h
Swamp Deer			
Barasingha or Swamp Deer	110	279.5	Method 1-h
Visayan Spotted Deer			
Visayan Spotted Deer	No Min	No Min	Method 1-f
White-lipped or Thorold's Deer			
White-lipped Deer	160	406.5	Method 1-h
<b>ELEPHANTS</b>			
Asian Elephant	50	127.0	Method 17
Mammoth/Mastodon	120	305.0	Method 17
<b>GOAT &amp; SHEEP</b>			
<b>Wild Goat</b>			
Bezoar			
Bezoar or Pasang	40	101.5	Method 7-b
Kri Kri or European Bezoar	30	76.0	Method 7-b
Sindh wild goat	38	96.5	Method 7-b
Chiltan wild goat	24	61.0	Method 7-b
Chamois			
Alpine Chamois	9	23.0	Method 7-b
Eastern Chamois	8	20.5	Method 7-b
Carpathian or Cent. European Chamois	9 4/8	24.0	Method 7-b
Western or Pyrenean Chamois	7 4/8	19.0	Method 7-b
Ibex			
Alpine Ibex	33	84.0	Method 7-b
Altai or Siberian Ibex	40	101.5	Method 7-b
Dagestan or East Caucasian Tur	30	76.0	Method 7-c
Gobi Ibex	38	96.5	Method 7-b
Himalayan Ibex	37 4/8	95.5	Method 7-b
Nubian, Sinai or Arabian Ibex (listed in Africa)	35	89.0	Method 7-b
Tian Shan Ibex	42	106.5	Method 7-b
Western or Kuban Tur or Caucasian Ibex	28	71.0	Method 7-b
Goral			
Gray Long-tailed Goral	5	12.5	Method 7-b
Himalayan Goral	6	15.0	Method 7-b

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Northern Long-tailed Goral	4	10.0	Method 7-b
<b>Markhor</b>			
Astor or Flare-horned Markhor	35	89.0	Method 15
Bukharan or Tajik Markhor	30	76.0	Method 15
Kabul Markhor	30	76.0	Method 15
Kashmir or Pin Panjal Markhor	36	91.5	Method 15
Suleiman Markhor	30	76.0	Method 15
<b>Serow</b>			
Himalayan Serow	7	18.0	Method 7-b
Indochinese Serow	6	15.0	Method 7-b
Japanese Serow	4 6/8	12.0	Method 7-b
Southwest Chinese Serow	6	15.0	Method 7-b
Sumatran Serow	6	15.0	Method 7-b
<b>Spanish Ibex</b>			
Spanish Ibex	28	71.0	Method 7-b
Ronda Ibex	23	58.5	Method 7-b
<b>Tahr</b>			
Arabian Tahr	11	28.0	Method 7-b
Himalayan Tahr	12	30.5	Method 7-b
Nilgiri Tahr	11	28.0	Method 7-b
<b>Wild sheep</b>			
<b>Argali</b>			
Altai Argali	225	571.5	Method 14
Gobi Argali	180	457.0	Method 14
Kara Tau or Bukharan Argali	140	355.5	Method 14
Karaganda Argali	180	457.0	Method 14
Littledale Argali	180	457.0	Method 14
Marco Polo or Pamir Argali	200	508.0	Method 14
Northern Tibetan or Gansu Argali	180	457.0	Method 14
Sair Argali	180	457.0	Method 14
Severtzov Argali	122	310.0	Method 14
Tian Shan or Karelin's Argali	180	457.0	Method 14
Tibetan Argali or Nyan	170	432.0	Method 14
<b>Blue Sheep (Pseudo Sheep)</b>			
Chinese Blue Sheep	20	51.0	Method 7-c
Himalayan Blue Sheep or Bharal	23 4/8	59.5	Method 7-c
Schafer's or Pygmy Blue Sheep	14	35.5	Method 7-c
<b>Mouflon &amp; Urial</b>			
Afghan Urial	118	299.5	Method 14
Alborz Red Sheep	115	292.0	Method 14
Anatolian or Konya Mouflon	118	299.5	Method 14
Armenian Mouflon	117	297.0	Method 14
Blanford's Urial or Gad	114	289.5	Method 14
Cyprus Mouflon	90	228.5	Method 14
Esfahan Mouflon	112	284.5	Method 14
European Mouflon	125	317.5	Method 14
Kerman Sheep	114	289.5	Method 14
Ladakh Urial or Shapu	110	279.5	Method 14
Laristan Mouflon	105	266.5	Method 14
Punjab or Salt Range Urial	110	279.5	Method 14
Shiraz mouflon	117	297.0	Method 14
Transcaspian Urial	138	350.5	Method 14
<b>Snow sheep</b>			
Kamchatka Snow Sheep	158	401.5	Method 14
Putorana Snow Sheep	148	376.0	Method 14
Siberian Snow Sheep	150	381.0	Method 14
<b>PIGS</b>			
Babirusa	8	20.5	Method 5
Bearded Pig	7	18.0	Method 5

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Eurasian pig	9	23.0	Method 5
Javan Warty Pig	6	15.0	Method 5
Pygmy Hog	4	10.0	Method 5
<b>RHINOS</b>			
Indian or Greater One-Horned Rhinoceros	11	28.0	Method 16
Javan or Lesser One-horned Rhinoceros	7	18.0	Method 16
Sumatran Rhinoceros	10	25.5	Method 16
<b>WALRUS</b>			
Atlantic Walrus	22	56.0	Method 6
Pacific Walrus	29	73.5	Method 6
<b>WILD CATTLE, MUSKOX &amp; TAKIN</b>			
Anoa, Lowland	30	76.0	Method 10
Anoa, Mountain	22	56.0	Method 10
Banteng	100	254.0	Method 10
Gaur, Indian	110	279.5	Method 10
Gaur, Indochinese	105	266.5	Method 10
Gaur, Malayan	100	254.0	Method 10
Gayal (Ghayal)	70	178.0	Method 10
Kouprey	100	254.0	Method 10
Muskox (Listed in Americas)	65	165.0	Method 11
Saola	No Min	No Min	Method 7
Tamarau or Mindoro Dwarf Buffalo	60	152.5	Method 10
Water Buffalo	150	381.0	Method 10
Yak	110	279.5	Method 10
Wisent or European Bison	75	190.5	Method 10
<b>Takin</b>			
Bhutan & Mishmi Takin	30	76.0	Method 10
Golden Takin	38	96.5	Method 10
Sichuan Takin	38	96.5	Method 10
<b>Introduced Game Asia &amp; Europe</b>	<b>Min inch</b>	<b>Min cm</b>	
<b>Deer</b>			
Chinese Water Deer	3 2/8	8.5	Method 6
Père David's Deer	225	571.5	Method 1-i
Reeves' Muntjac	14	35.5	Method 1-j
Sika Deer (British Isles)	105	266.5	Method 1-f
Sika Deer (EU and Russia)	155	393.5	Method 1-f
White-tailed Deer	110	279.5	Method 1-d
<b>Introduced Game South Pacific</b>	<b>Min inch</b>	<b>Min cm</b>	
<b>Deer</b>			
Axis, Chital or Indian Spotted Deer	115	292.0	Method 1-f
Fallow Deer	130	330.0	Method 3
Hog Deer	65	165.0	Method 1-f
Red Deer	250	635.0	Method 1-b
Rusa Deer	135	343.0	Method 1-f
Sambar Deer	130	330.0	Method 1-f
Sika Deer	125	317.5	Method 1-f
Wapiti or Elk	340	863.5	Method 1-a
White-tailed Deer	90	228.5	Method 1-d
<b>Pigs</b>			
Feral Pig	8	20.5	Method 5
<b>Wild Cattle</b>			
Asian Water Buffalo	140	355.5	Method 10
Banteng	90	228.5	Method 10
<b>Wild goats</b>			
Chamois	9	23.0	Method 7-b
Himalayan Tahr	12 4/8	32.0	Method 7-b