

TIGHTENING TORQUES

	Nm	lbf ft
Cotter pin securing king pin	43	32
King pin cap securing bolts	9.5	7
Brake back plate to stub axle M10 bolts	57	42
Brake back plate to stub axle M14 bolts	150	110
Steering arms to stub axle	245	180
Hub cap to hub	9.5	7
Track rod to steering arms	95	70
Steering rod to steering arm	95	70
Universal joint pinch bolt	26	19
Front and rear hanger brackets to chassis	92	68
Front spring front eye and shackle	115	85
Front spring rear eye	102	75
Rear spring eyes and shackles	258	190
U-bolts Front axle	102	75
U-bolts — Rear axle	142	105
Front and rear shock absorber brackets to chassis frame	57	42

DATA**AXLE IDENTIFICATION**

Model	Axle Capacity
S.35	2300 kg (5072 lb)
S.46	2300 kg (5072 lb)
S.56	2300 kg (5072 lb)
S.66	2300 kg (5072 lb)
S.75	2500 kg (5510 lb)

FRONT HUBS

End float — all models except S.75	0,08/0,20 mm (0.003/0.007 in)
— Model S.75	0,03/0,20 mm (0.001/0.007 in)
Hub cap sealing compound	Loctite 504
Lubrication	Shell Retinax A

SUSPENSION AND FRONT AXLE

Data

STUB AXLE

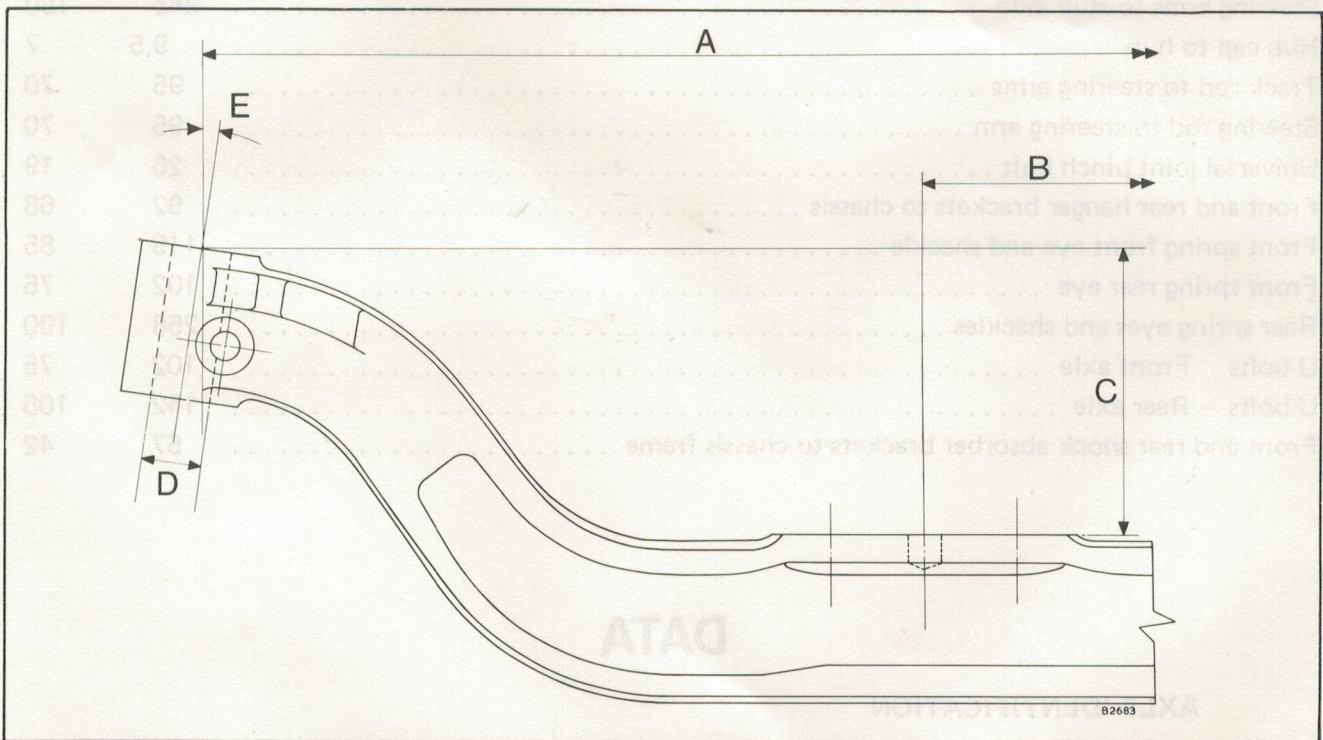
End float all models 0,02/0,1 mm (0.0007/0.0039 in)

End float selective washers:

Colour	Thickness
Blue	3,65 mm (0.143 in)
Red	3,53 mm (0.139 in)
Yellow	3,40 mm (0.134 in)
Green	3,27 mm (0.128 in)
White	3,14 mm (0.124 in)
Orange	3,02 mm (0.118 in)
Black	2,89 mm (0.113 in)
Violet	2,76 mm (0.108 in)

Bush size — line finish 25,00/25,03 mm (0.9842/0.9855 in)

Axle Beam Dimensions



Dimension	All models
A	1503,5 mm (59.19 in) } CRS 1497 mm (58.93 in) }
B	876.3 mm (34.5 in) CRS
C	123 mm (4.84 in)
D	24,9911 mm (0.9839 in) } Green 24,9834 mm (0.9836 in) } 24,9809 mm (0.9835 in) } Orange 24,9758 mm (0.9833 in) }
E	8°

SHOCK ABSORBERS

Front (All models)	Armstrong telescopic type Model N64
Rear	Armstrong telescopic type
Models S.35 and 46	Model N64
Models S56, 66 and 75	Model N65
Early models	Armstrong lever type Model 5711
	Fluid — Armstrong shock absorber oil No 624

Front Springs

Models	S.35, S.46	S.55, S.66	S.75
Description	Semi-elliptic, multi-leaf. Both eyes upturned		
Total No. of leaves	4	5	6
Width of leaves	65,0 (2.55)	65,0 (2.55)	65,0 (2.55)
No. and thickness of leaves	4 at 10,0 (0.39)	5 at 10,0 (0.39)	6 at 10,0 (0.39)
Total thickness	40,0 (1.57)	50,0 (1.96)	60,0 (2.36)
Rate	585 lbf/in 102 N/mm	716 lbf/in 125 N/mm	869 lbf/in 152 N/mm

Dimensions in millimetres (inches)

SUSPENSION AND FRONT AXLE

Data

Rear Springs

Models	S.35	S.46	S.56	S.66	S.75
Description	Semi-elliptic, multi-leaf. Both eyes upturned.				
Total No. of leaves					
Main	3	4	5	6	6
Auxiliary	3	3	3	3	3
Width of leaves					
Main	65,0 (2.5)	65,0 (2.5)	65,0 (2.5)	65,0 (2.5)	65,0 (2.5)
Auxiliary	65,0 (2.5)	65,0 (2.5)	65,0 (2.5)	65,0 (2.5)	65,0 (2.5)
No. and thickness of main leaves	3 at 12,5 (0.49)	4 at 13,0 (0.51)	5 at 12,7 (0.49)	6 at 13,5 (0.53)	6 at 13,0 (0.51)
Total thickness including U-bolt pad	88 (3.46)	104 (4.13)	118 (4.64)	136 (5.35)	142 (5.59)
Rate					
Main	626 lbf/in 109 N/mm	868 lbf/in 152 N/mm	1032 lbf/in 180 N/mm	1534 lbf/in 268 N/mm	1608 lbf/in 281 N/mm
Auxiliary	1264 lbf/in 221 N/mm	1626 lbf/in 284 N/mm	1910 lbf/in 334 N/mm	2400 lbf/in 420 N/mm	2792 lbf/in 488 N/mm

Dimensions in millimetres (inches)