

W. H. Davis Limited

# HEAVY DUTY TRAILERS



**DATA SHEET**

5 tonne to 200 tonne

ANY SHAPE ANY DESIGN

# ST SINGLE TURNTABLE

- CHASSIS:** Steel sectional frame.  
**DECK:** 50mm (2in) softwood.  
**AXLES:** Steel, square section.  
**WHEELS:** Heavy duty steel with hydraulically fitted solid rubber tyres incorporating steel wire reinforcement.  
**HUBS:** Double precision ball bearings, dust proof and grease-tight.  
**FINISH:** DAVIS Yellow: BS 08E-51.  
**STEERING:** Single bogie mounted on a fully steerable, precision ball bearing turntable.  
**TOWBAR:** Triangular, drop type with stop to prevent accidents. Forged towing eye.



| TYPE LOAD | WHEEL SIZE<br>Dia x Width | DECK SIZE<br>(Loading area) |           |           |           | WHEEL AND STEERING LAYOUT |
|-----------|---------------------------|-----------------------------|-----------|-----------|-----------|---------------------------|
| ST 1      |                           | 2500                        | 3000      | 4000      | 5000      |                           |
|           |                           | x<br>1250                   | x<br>1500 | x<br>1500 | x<br>2000 |                           |
|           |                           | HEIGHT WITH TIMBER DECK     |           |           |           |                           |
| 5 TON     | 405 x 130                 | 630                         | 630       | -         | -         |                           |
| 8 TON     | 425 x 150                 | 710                         | 710       | 710       | 720       |                           |
| ST 2      |                           | 2500                        | 3000      | 4000      | 5000      |                           |
|           |                           | x<br>1250                   | x<br>1500 | x<br>1500 | x<br>2000 |                           |
|           |                           | HEIGHT WITH TIMBER DECK     |           |           |           |                           |
| 10 TON    | 405 x 260                 | 700                         | 700       | 700       | 720       |                           |
| 15 TON    | 425 x 300                 | -                           | 740       | 740       | 760       |                           |
| ST 4      |                           | 4000                        | 5000      | 6000      | 8000      |                           |
|           |                           | x<br>2000                   | x<br>2000 | x<br>2500 | x<br>2500 |                           |
|           |                           | HEIGHT WITH TIMBER DECK     |           |           |           |                           |
| 15 TON    | 425 x 150                 | 760                         | 780       | 800       | -         |                           |
| 20 TON    | 405 x 260                 | 760                         | 780       | 800       | -         |                           |
| 25 TON    | 425 x 300                 | 810                         | 830       | 850       | -         |                           |
| 30 TON    | 610 x 300                 | -                           | -         | -         | -         |                           |
| ST 6      |                           | 4000                        | 5000      | 5000      | 6000      |                           |
|           |                           | x<br>2000                   | x<br>2000 | x<br>2500 | x<br>2500 |                           |
|           |                           | HEIGHT WITH TIMBER DECK     |           |           |           |                           |
| 30 TON    | 405 x 260                 | 755                         | 780       | 780       | 805       |                           |
| 40 TON    | 610 x 300                 | -                           | -         | 1000      | 1000      |                           |

Pivot bogies with oscillating axles provide uniform wheel pressure distribution on uneven surfaces.

# DT DOUBLE TURNTABLE

- CHASSIS:** Steel sectional frame.  
**DECK:** 50mm (2in) softwood.  
**AXLES:** Steel, square section.  
**WHEELS:** Heavy duty steel with hydraulically fitted solid rubber tyres incorporating steel wire reinforcement.  
**HUBS:** Double precision ball bearings, dust proof and grease-tight.  
**FINISH:** DAVIS Yellow: BS 08E-51.  
**STEERING:** Twin precision ball bearing turntables allowing smaller turning circle and towing from either end.  
**TOWBAR:** Triangular (fixed or detachable) drop type with stop to prevent accidents. Forged towing eye.



| TYPE LOAD | WHEEL SIZE<br>Dia x Width | DECK SIZE<br>(Loading area) |           |           |           | WHEEL AND STEERING LAYOUT |
|-----------|---------------------------|-----------------------------|-----------|-----------|-----------|---------------------------|
| DT 1      |                           | 2500                        | 3000      | 4000      | 5000      |                           |
|           |                           | x<br>1250                   | x<br>1500 | x<br>1500 | x<br>2000 |                           |
|           |                           | HEIGHT WITH TIMBER DECK     |           |           |           |                           |
| 5 TON     | 405 x 130                 | 630                         | 630       | -         | -         |                           |
| 8 TON     | 425 x 150                 | 710                         | 710       | 710       | 730       |                           |
| DT 2      |                           | 2500                        | 3000      | 4000      | 5000      |                           |
|           |                           | x<br>1250                   | x<br>1500 | x<br>1500 | x<br>2000 |                           |
|           |                           | HEIGHT WITH TIMBER DECK     |           |           |           |                           |
| 10 TON    | 405 x 260                 | 700                         | 700       | 700       | 720       |                           |
| 15 TON    | 425 x 300                 | -                           | 740       | 740       | 760       |                           |
| DT 4      |                           | 4000                        | 5000      | 6000      | 8000      |                           |
|           |                           | x<br>2000                   | x<br>2000 | x<br>2500 | x<br>2500 |                           |
|           |                           | HEIGHT WITH TIMBER DECK     |           |           |           |                           |
| 15 TON    | 425 x 150                 | 770                         | 770       | -         | -         |                           |
| 20 TON    | 405 x 260                 | 760                         | 780       | 800       | -         |                           |
| 25 TON    | 425 x 300                 | 810                         | 830       | 850       | -         |                           |
| 30 TON    | 610 x 300                 | -                           | -         | -         | -         |                           |



A typical wheel unit as used on many of our heavy duty trailers cut away to show the construction, and the precision ball races.

# SA SINGLE ACKERMAN

**CHASSIS:** Steel sectional frame.  
**DECK:** 50mm (2in) softwood.  
**AXLES:** Steel, square section.  
**WHEELS:** Heavy duty steel with hydraulically fitted solid rubber tyres incorporating steel wire reinforcement.  
**HUBS:** Double precision ball bearings, dust proof and grease-tight.  
**FINISH:** DAVIS Yellow: BS 08E-51.  
**STEERING:** Single end Ackerman steering, wheels turn independently on phosphor bronze sleeves allowing the best turning circle and maximum stability.  
**TOWBAR:** Single beam drop type or triangular (15 ton +) with stop to prevent accidents. Forged towing eye.



| TYPE LOAD | WHEEL SIZE<br>Dia x Width | DECK SIZE<br>(Loading area) |      |        |        | WHEEL AND STEERING<br>LAYOUT |
|-----------|---------------------------|-----------------------------|------|--------|--------|------------------------------|
| SA 1      |                           | 2500                        | 3000 | 4000   | 5000   |                              |
|           |                           | x                           | x    | x      | x      |                              |
|           |                           | 1250                        | 1500 | 1500   | 2000   |                              |
|           |                           | HEIGHT WITH TIMBER DECK     |      |        |        |                              |
| 5 TON     | 405 x 130                 | 560                         | 570  | 590    | 590    |                              |
| 8 TON     | 425 x 150                 | 560                         | 570  | 590    | 590    |                              |
| SA 2      |                           | 2500                        | 3000 | 4000   | 5000   |                              |
|           |                           | x                           | x    | x      | x      |                              |
|           |                           | 1250                        | 1500 | 1500   | 2000   |                              |
|           |                           | HEIGHT WITH TIMBER DECK     |      |        |        |                              |
| 10 TON    | 405 x 260                 | 560                         | 570  | 590    | 590    |                              |
| 15 TON    | 425 x 300                 | 560                         | 570  | 590    | 590    |                              |
| SA 4      |                           | 6000                        | 8000 | 10,000 | 12,000 |                              |
|           |                           | x                           | x    | x      | x      |                              |
|           |                           | 2500                        | 2500 | 2500   | 2500   |                              |
|           |                           | HEIGHT WITH TIMBER DECK     |      |        |        |                              |
| 15 TON    | 425 x 150                 | 805                         | 805  | 900    | 950    |                              |
| 20 TON    | 405 x 260                 | 805                         | 805  | 900    | 950    |                              |
| 25 TON    | 425 x 300                 | 905                         | 950  | 1000   | 1050   |                              |
| 30 TON    | 610 x 300                 | 1010                        | 1010 | 1020   | 1100   |                              |
| SA 6      |                           | 6000                        | 8000 | 10,000 | 12,000 |                              |
|           |                           | x                           | x    | x      | x      |                              |
|           |                           | 2500                        | 2500 | 2500   | 2500   |                              |
|           |                           | HEIGHT WITH TIMBER DECK     |      |        |        |                              |
| 30 TON    | 405 x 260                 | 755                         | 780  | 780    | 805    |                              |
| 40 TON    | 610 x 300                 | -                           | -    | 1000   | 1000   |                              |
| 50 TON    | 645 x 400                 | 1000                        | 1050 | 1100   | -      |                              |
| SA 8      |                           | 6000                        | 8000 | 10,000 | 12,000 |                              |
|           |                           | x                           | x    | x      | x      |                              |
|           |                           | 2500                        | 2500 | 2500   | 2500   |                              |
|           |                           | HEIGHT WITH TIMBER DECK     |      |        |        |                              |
| 30 TON    | 425 x 150                 | 800                         | 800  | 850    | 900    |                              |
| 40 TON    | 405 x 260                 | 800                         | 850  | 850    | 1000   |                              |
| 60 TON    | 610 x 300                 | 900                         | 950  | 1000   | 1200   |                              |
| 80 TON    | 645 x 400                 | 1000                        | 1050 | 1100   | -      |                              |
| 100 TON   | 760 x 500                 | 1250                        | 1300 | 1350   | -      |                              |

# DA DOUBLE ACKERMAN

**CHASSIS:** Steel sectional frame.  
**DECK:** 50mm (2in) softwood.  
**AXLES:** Steel, square section.  
**WHEELS:** Heavy duty steel with hydraulically fitted solid rubber tyres incorporating steel wire reinforcement.  
**HUBS:** Double precision ball bearings, dust proof and grease-tight.  
**FINISH:** DAVIS Yellow: BS 08E-51.  
**STEERING:** Coupled Ackerman steering at both ends provides minimum turning circle with the maximum stability. Each wheel pivoted independently on a phosphor bronze sleeve.  
**TOWBAR:** Single beam drop type or triangular (15 ton +) with stop to prevent accidents. Forged towing eye.



| TYPE LOAD   | WHEEL SIZE<br>Dia x Width | DECK SIZE<br>(Loading area)                                   |      |        |        | WHEEL AND STEERING<br>LAYOUT |
|-------------|---------------------------|---|------|--------|--------|------------------------------|
| DA 1        |                           | 2500  | 3000 | 4000   | 5000   |                              |
|             |                           | x   | x    | x      | x      |                              |
|             |                           | 1250  | 1500 | 1500   | 2000   |                              |
|             |                           | HEIGHT WITH TIMBER DECK                                       |      |        |        |                              |
| 5 TON       | 405 x 130                 | 560   | 570  | 590    | 590    |                              |
| 8 TON       | 425 x 150                 | 560   | 570  | 590    | 590    |                              |
| DA 2        |                           | 2500  | 3000 | 4000   | 5000   |                              |
|             |                           | x   | x    | x      | x      |                              |
|             |                           | 1250  | 1500 | 1500   | 2000   |                              |
|             |                           | HEIGHT WITH TIMBER DECK                                       |      |        |        |                              |
| 10 TON      | 405 x 260                 | 560   | 570  | 590    | 590    |                              |
| 15 TON      | 425 x 300                 | 560   | 570  | 590    | 590    |                              |
| DA 4        |                           | 6000  | 8000 | 10,000 | 12,000 |                              |
|             |                           | x   | x    | x      | x      |                              |
|             |                           | 2500  | 2500 | 2500   | 2500   |                              |
|             |                           | HEIGHT WITH TIMBER DECK                                       |      |        |        |                              |
| 15 TON      | 425 x 150                 | 805   | 805  | 900    | 950    |                              |
| 20 TON      | 405 x 260                 | 805   | 805  | 900    | 950    |                              |
| 25 TON      | 425 x 300                 | 905   | 950  | 1000   | 1050   |                              |
| 30 TON      | 610 x 300                 | 1010  | 1010 | 1020   | 1100   |                              |
| DA 8        |                           | 6000  | 8000 | 10,000 | 12,000 |                              |
|             |                           | x   | x    | x      | x      |                              |
|             |                           | 2500  | 2500 | 2500   | 2500   |                              |
|             |                           | HEIGHT WITH TIMBER DECK                                       |      |        |        |                              |
| 30 TON      | 425 x 150                 | 800   | 800  | 850    | 900    |                              |
| 40 TON      | 405 x 260                 | 800   | 850  | 850    | 1000   |                              |
| 60 TON      | 610 x 300                 | 900   | 950  | 1000   | 1200   |                              |
| 80 TON      | 645 x 400                 | 1000  | 1050 | 1100   | -      |                              |
| 100 TON     | 760 x 500                 | 1250  | 1300 | 1350   | -      |                              |
| SP          |                           |   |      |        |        |                              |
| Multi-Steer |                           |   |      |        |        |                              |
| 30-200 TON. |                           | Special types of Multisteer Trailer are available on request. |      |        |        |                              |