

Technical description

The Tamrock Axera T10S-212 is a two boom electrohydraulic jumbo for rapid tunnelling and cavern excavation in 20 – 125 m² cross sections.

The robust universal booms have a large optimum shaped coverage, 358° rotation and full automatic parallelism for fast and easy face drilling. The booms can also be used for cross-cutting and bolt hole drilling. An optional basket boom is available.

The jumbo layout is designed for good visibility and balance, this and the powerful four-wheel-drive, rear wheel steered carrier ensures fast and safe tramping with good stability.

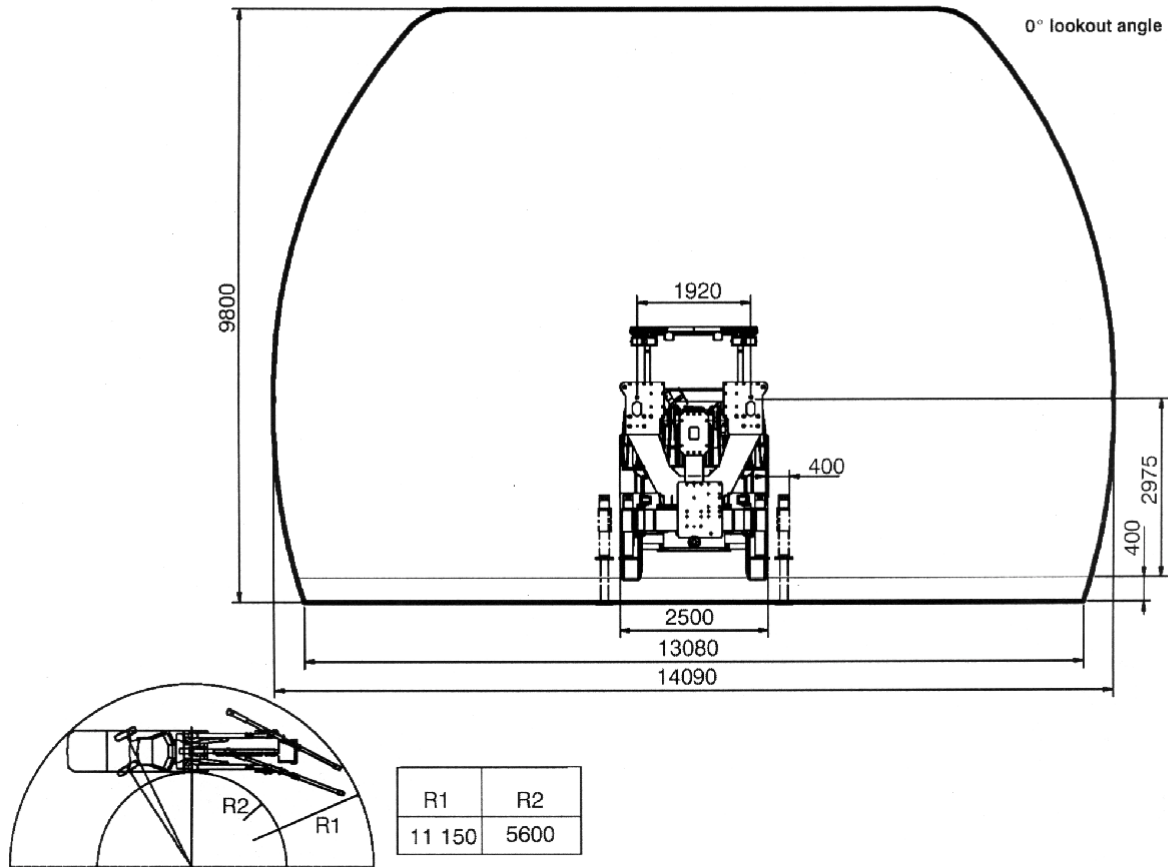
The high performance drilling system allows drilling speeds substantially above conventional jumbos without sacrificing drill steel economy or machine reliability.

The operator environment and added automatic functions allow the operator to concentrate on safe, fast and accurate drilling.

The fully protected electronic controls and de-centralized hydraulics mean less and easier service and maintenance. Service points are well protected but easy to access. Built-in diagnostics help to minimize maintenance time.

Components in basic model

| | |
|------------------------------|---|
| 1. Carrier | 1 x TC 450 N |
| 2. Rock drill | 2 x HL 560 Super |
| 3. Feed | 2 x TF 500-16 |
| 4. Boom | 2 x TB 120 |
| 5. Control system | 1 x TPC 561 |
| 6. Powerpack | 2 x HP 560, 55 kW |
| 7. Oil cooler | 2 x OW 30 |
| 8. Main switch | 1 x MP 20 |
| 9. Hydraulic jack | 4 x TJ 75 |
| 10. Water pressure valve | 1 x WP 70 HP |
| 11. Water booster pump | 1 x WBP 2 HP, 7.5 kW |
| 12. Shank lubricating device | 1 x SLU 2 |
| 13. Compressor | 1 x CT 10, 7.5 kW |
| 14. Automatic cable reel | 1 x TCR 5 |
| 15. Lighting | 2 x 1500 W, 220 V 2 x 500 W, 220 V 8 x 70 W, 24 V |
| 16. Safety canopy | 1 x Hydraulic, FOPS |



Main weights, dimensions and performance

| | |
|-------------------------------|------------------------------------|
| Length with TF 500-16 | 17 250 mm |
| Width | 2 900 mm |
| Height | 3 335 mm |
| Weight | 34 500 kg |
| Tramming speed horizontal | 12 km/h (15 km/h with TC 500) |
| 14 % = 1:7 = 8° | 3,5 km/h (4,5 km/h with TC 500) |
| Gradeability | 28% = 1:3.5 = 15° |
| Noise level operator platform | 103 dB(A) ISO 6394-1985 |
| emitted noise level | 105 dB(A) ISO/DIS 11201-1993 |

TF 500 cylinder feed

| TF 500 | Total length mm | Hole length mm | Rod length mm | Net Weight kg |
|--------|-----------------|----------------|---------------|---------------|
| 500x14 | 5 880 | 4 050 | 4 305 | 530 |
| 500x16 | 6 490 | 4 660 | 4 915 | 560 |
| 500x18 | 7 100 | 5 270 | 5 525 | 590 |
| 500x20 | 7 710 | 5 880 | 6 135 | 620 |