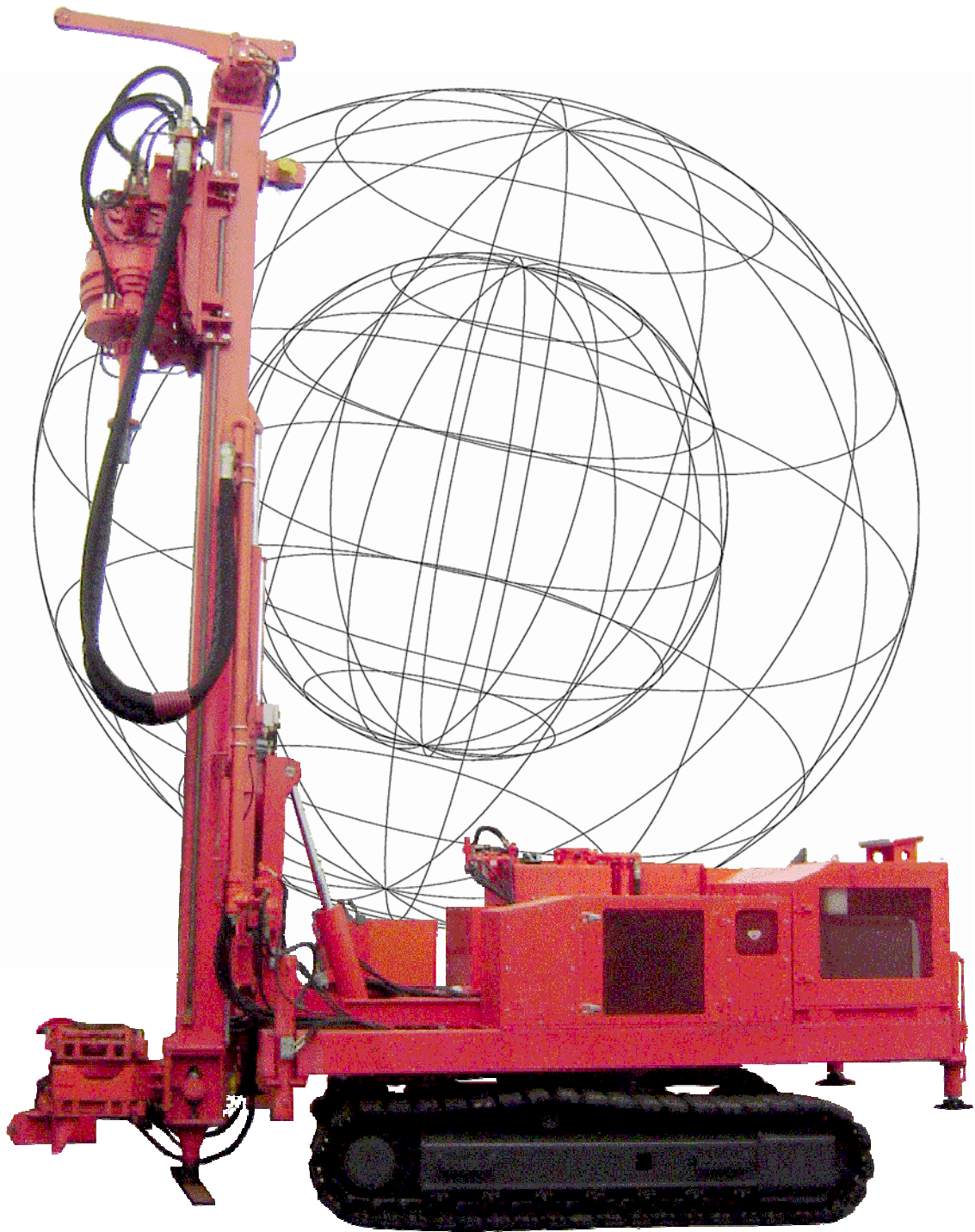


TONE-SONIC "SD-200" VIBRATORY-ROTARY DRILL

**MOST POWERFUL WITH A WIDE VARIETY OF
DRILLING APPLICATIONS**

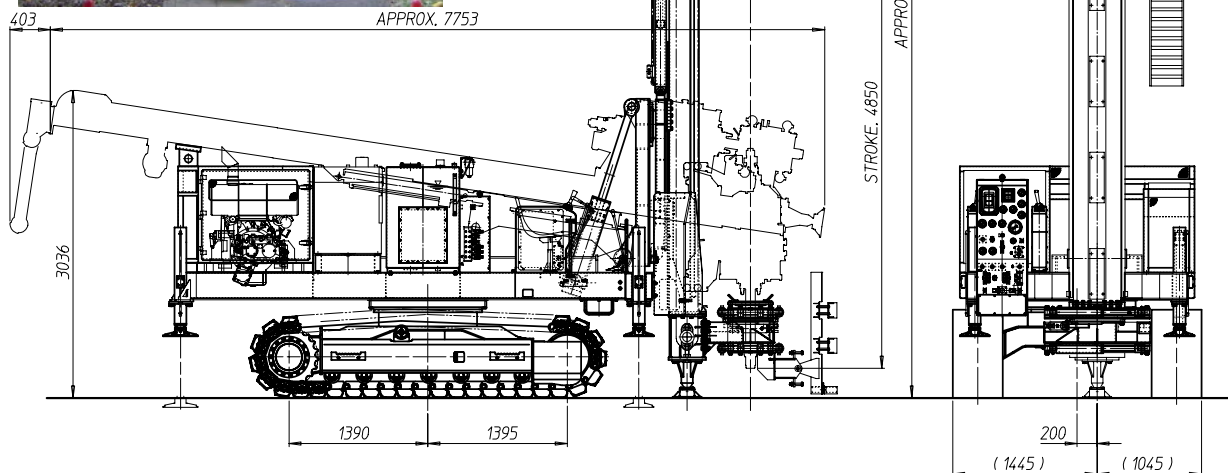


TONE-SONIC DRILL



TOA-TONE BORING CO., LTD.

DRAWINGS AND TECHNICAL SPECIFICATIONS FOR "SD-200" RIG



TECHNICAL SPECIFICATIONS

| | | | | | |
|-------------|----------------|--------------------------------|---------------|-----------------------------|------------------------|
| Engine | Output | 190 PS/1,800 min ⁻¹ | Mast frame | Swing angle | Right/left: ±7° |
| | Displacement | 7200 cc | | Slide stroke | 1,000 mm |
| Oscillator | Type | Hydraulic motor driven | | Level jack stroke | 700 mm |
| Rotary head | Type | Hydraulic motor driven | Under-cariage | Travel speed | 14/8.9 km/h |
| | Torque | Forward:6.4/Reverse:7.8kN-m | | Gradeability | 15 degree |
| | Rotation speed | 0-100 min ⁻¹ | | Swing speed | 12.0 min ⁻¹ |
| | Tilting angle | 0-90 degree | Option | | |
| Feed system | Type | Hydraulic motor with chain | Hoist | Type | Electric motor driven |
| | Feed force | 137.2 kN | | Pulling capacity | 1.96 kN |
| | Balance force | 137.2 kN | | Rope capacity | 12 m with 5.5 mm cable |
| | Stroke | 4,850 mm | Total weight | | Approx. 16.5 ton |
| | Feed speed | 12.5 m/min. | Dimensions | 7750 x 2490 x 3030mm(LxWxH) | |

In accordance with our policy of constant improvement, we reserve the right to amend design, materials, specifications and prices at any time without prior notice.



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