

FR6 Mini Piling Drill Rig

The **FR6 Mini Piling Drill Rig** is a compact and versatile drilling solution designed for geotechnical, foundation, and site investigation applications. Combining **compact transport dimensions** with **up to 11 metres of drilling depth**, the FR6 delivers **reliable performance in restricted-access** and challenging job sites.

Built using high-quality components from **globally recognised suppliers** including Danfoss, Rexroth, Gates, SKF, and FAG, the **FR6 is designed for dependable operation**, reduced downtime, and simplified servicing. Manufactured in Asia to improve delivery times and reduce costs to the Australian market, the machine is **backed by a 12-month or 2,000-hour warranty**.



Item	Manufacturer	Standard (Australian / European Equivalent)
Carrier Base:	Yanmar	
Mast Steel Grade:	Q355 / Q460	GB/T 1591-2018 (AS/NZS 3679.1)
Kelly Bar Steel Grade:	Q355 / Q46 / 27SiMn	GB/T 8162 (AS/NZS 1163) / GB/T 3077-2018 (EN 10083)
Rotary Drive:	Motor-Danfoss	ISO 4413 (AS 4024.3301)
Hydraulic Components:	Rexroth	ISO 4413 (AS 4024.3301)
Hydraulic Hoses:	Gates / Continental	EN853-1SN / EN853-2SN / EN857-4SH
Bolt Grade:	≥8.8 grade	GB/T 3098.1-2010/GB/T 18684-2002
Sheave Bearings:	SKF / FAG	GB/T 10051 (AS 3775)
Hooks and Wire rope:	35WK7 grade	GB/T 19001-2016 (ISO 9001:2015)
Welding standards		JB/T 5943-2018 (AS/NZS 1554.1)

SPECIFICATIONS

Description	Parameters	Value
Engine	Brand: Yanmar	
	Power:	15.2 kW
	Speed:	2800 rpm
Rotary Head	Max Torque:	6 kN·m
	Speed:	20–40 rpm
Max Drilling Diameter		500 mm
Max Drilling Depth		11 m
Crowd Cylinder	Max Pressure:	15 kN
	Max Lifting Force:	25 kN
	Max Stroke:	800 mm
Main Winch	Max Lifting Force:	15 kN
	Max Lifting Speed: 1	40 m/min
	Rope Diameter:	16 mm
Auxiliary Winch	Max Lifting Force:	6 kN
	Max Lifting Speed:	30 m/min
	Rope Diameter:	8 mm
Mast Inclination	Left / Right / Forward / Backward:	±4°
Machine Weight		2950 kg
Overall Dimensions	Working State (L × W × H):	3400 × 1400 × 3150 mm
	Transport State (L × W × H):	5000 × 1080 × 2500 mm
Transport with Kelly Bar		Yes

