

TEST REPORT



Mechanical Felling Wedge TR30

Test number: 6820

OWNER OF TEST CERTIFICATE:

Forstreich Maschinenbau
Schwarzwaldstrasse 314
D- 79117 Freiburg

info@forstreich.de



Test results and evaluations



Mechanical felling wedge TR30

Company: Forstreich Maschinenbau; Schwarzwaldstrasse 314; D- 79117 Freiburg

Application field:

- Felling thick stems as an alternative to strenuous wedging

Test item	Test results	Evaluation
Handling	Very easy to use.	+
	The felling notch must be widened before the wedge can be inserted.	o
	Wedge is held securely in wood.	+
	Very compact construction; trapezoidal thread form and ratchet handle for forward and backward motion of the wedge	++
	Carrying handle and ratchet fastening clips facilitate transport	+
	Wedge use requires training and experience	
Effort	35 N per tonne feed force at the 40 cm handle	+
Weight	Very low compared to similarly constructed felling aids	++
Operating manual	Well illustrated instructions and operating manual with work safety information	o
Maintenance	Low maintenance effort; regular lubrication of the wedge faces and the threaded rod, as well as occasional adjustment of the spring steel faces	++
Durability	No damage during test	+
Ergonomics	Advantages over normal wedging work: <ul style="list-style-type: none"> - vibration –free felling - good ergonomics due to high lifting force 	+
Work safety	Manufacturer confirms compliance with machinery directive 2006/42/EG.	N.E.

Construction:

Wedge made of aluminium where connected to the thread; polyamide wedge body. Spring steel wedge faces, shipped with telescopic ratchet spanner.

Technical data (measured values)

Overall dimensions (wedge in initial position, incl. ratchet socket)	440 x 160 x 85 mm
Spindle length / diameter	183 / Ø 30 mm
inner wedge angle / outer wedge angle	18° / 18°
Spring steel faces	300 x 80 x 2 mm
Ratchet handle length	400 – 590 mm
Handle length / clearance	130 / 30 mm
Clearance for hand handle – wedge (min./ max.)	40 / 60 mm
Weight (without ratchet) [g]:	4200 g
Ratchet weight [g]:	1200 g

Test committee “Tools and Equipment”

Chairman: Sebastian Paar, Laubau

Field tested by professional users

End of test **March 25, 2014**

Kuratorium für Waldarbeit und Forsttechnik e.V.

Valid until: **March 31, 2019**

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