

HYDRAULIC PULSE TIGHTENER HPU 2500.1 WK [Ⓐ] (EMULSION DRIVE)

Use and description:

Hydraulic pulse tightener **HPU 2500.1 WK [Ⓐ]** (thereinafter only tightener) is a hand held tool driven with a **water emulsion type HFA** used for tightening and loosening of the screw connections up to M 30. The torque is induced by the impacts of the rotary impact mechanism.

The tightener consists of handle, hydraulic planetary motor with controller and reversible distributor and impact mechanism. The tightener has been designed and constructed for tightening and loosening of the screw connections on the working face conveyors and haulage entry conveyors. However, it can be used in a workplace, where the suitable emulsion source is available.

The tightener body is manufactured from the light metals alloy on which the protective cover layer **ANTIAl[®]** is applied.



ANTIAl[®] [Ⓐ] - protective cover layer on handheld tools manufactured from light metal alloys used in potentially explosive atmospheres, which eliminates the ignition of explosive mixture due to mechanical spark at fall of the tool on the rusty steel.



HPU 2500.1 WK [Ⓐ]

Characteristics:

Type		HPU 2500.1 WK [Ⓐ]
Max. tightening torque	Nm	1 650
Nominal tightening torque	Nm	1 200
Max. working medium pressure in the distribution system	MPa	32
Medium flow rate	dm ³ .min ⁻¹	22
Working medium	emulsion HFA with min. 1.5% concentration	
Hydraulic motor rpm	min ⁻¹	1 800
Filtration	µm	100
Max. temperature of the working medium	°C	40
Max. pressure in outlet hose	MPa	1
Driving square spindle dimension	mm	25.4
Impact mechanism type	twin hammer	
Hose connection P-pressure, T-outlet	STECK DN 10/DN 12	
Dimensions (w x h x l)	mm	90x300x264
Weight max.	kg	8.0

Type marking:

HPU 2500 WK [Ⓐ]
 HPU HYDRAULIC PULSE TIGHTENER
 2500 type marking
 W water (water emulsion)
[Ⓐ] protective cover layer AntiAl[®]

The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC of the European Parliament and of the Council and meets the requirements for using in areas dangerous atmospheric conditions 2nd according to EN 1127-2+A1 on condition that all national regulations of the employer are fulfilled.