



PROMOVE

DEMOLITION

Hydraulic breakers



XP series

Medium
Heavy
range



pag. 8

Light
range



pag. 12

Guidelines



pag. 14

Tools



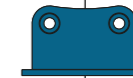
pag. 16

Special
applications



pag. 18

Options



pag. 20

Promove
Lube



pag. 21



Choosing your breaker

The right breaker/excavator matching is driven by some factors like carrier's weight and hydraulic flow, boom and stick configuration, main use of the equipment..

Promove team of experts is always available to provide information on best matching.

XP line

Hydraulic Breakers

Hydraulic breakers are today's most versatile working tool for excavators. It is the main actor in different applications when operating on hard ground, a must, when it comes to excavating foundations, demolition, trenching, quarrying, tunneling and road construction.

Our models of XP range offer unique features, highly appreciated on the hardest job site around the world:

- Combined power from gas and oil: hydraulic stability, rebound of the piston absorbed by gas results in low vibrations & low stress on hoses (lower pressure peaks).
- Outstanding performance to weight ratio.
- The high back pressure allowed (up to 25 bars) makes installation easy on every model of excavator, with no need to change the return line going straight to the tank and bypassing the filter and the cooler.

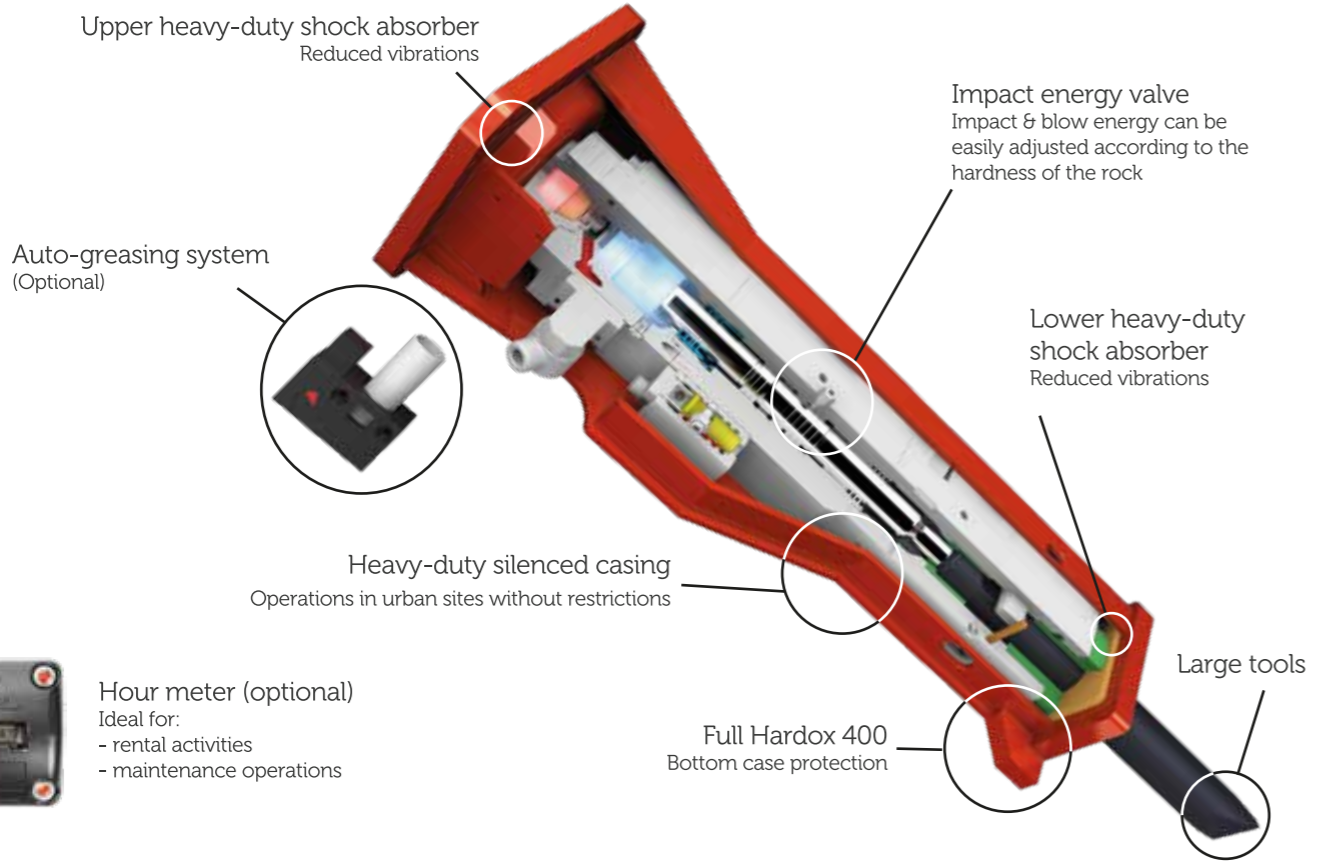
Eventual limits indicated by carrier's manufacturer are always binding. It is generally possible to choose between two models: heavier or lighter.

Heavier breakers recommended for:

- Medium/hard rock breaking
- Heavy and long-lasting applications
- Excavators with monolithic boom
- Primary breaking in quarrying
- Frequent use

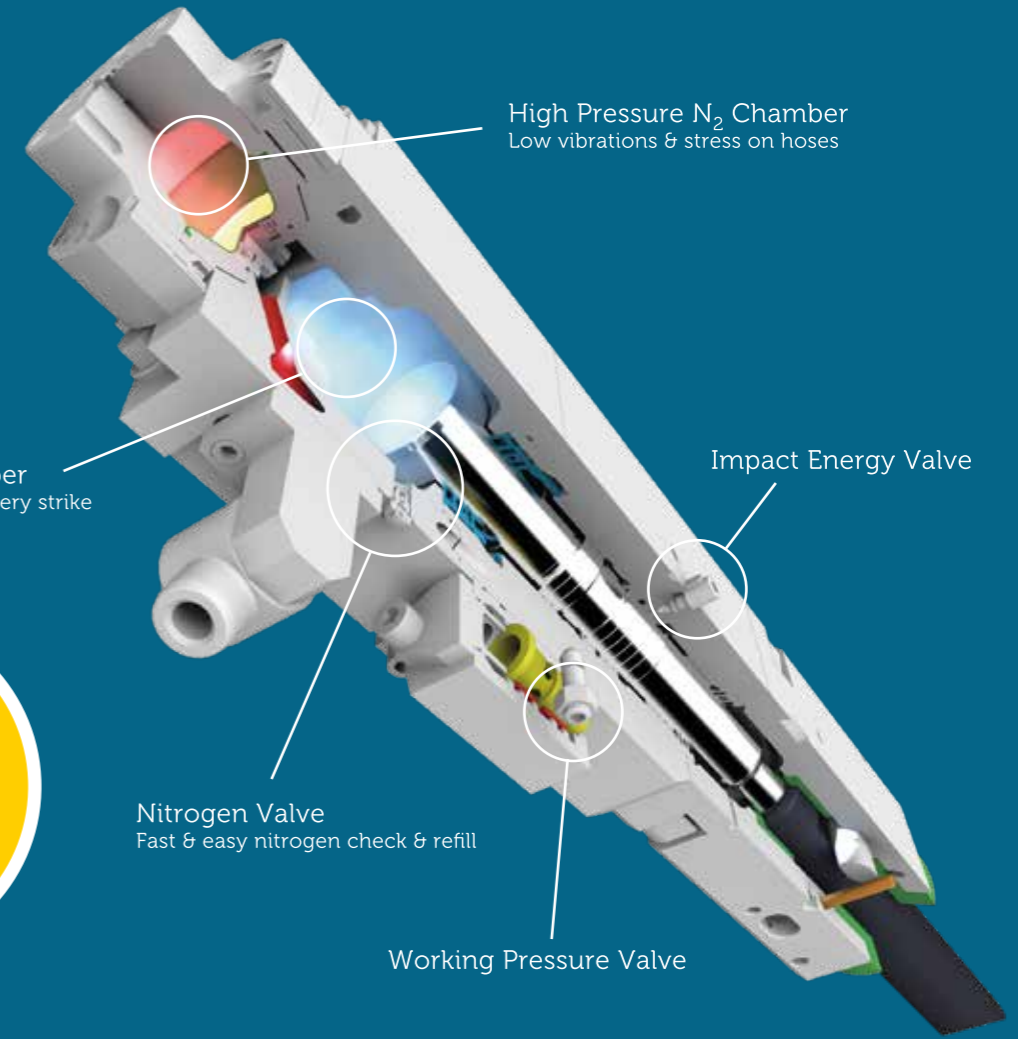
Lighter breakers recommended for:

- Concrete or soft rock breaking
- Non-heavy applications
- Excavators with three-piece arm
- Secondary breaking in quarrying
- Occasional use



Medium - Heavy Range

Anti Blank
Firing System
No Residual
Blows





XP Medium – Heavy Range

Technical specifications

Working weight (kg)	6900	4380	3090	2350	1950	1700	1450	1200	1000	750
Carrier's weight min/max (t)	70/130	45/80	30/48	24/35	22/29	19/28	16/25	14/20	12/18	9/15
Total height (mm)	4200	3800	3500	3200	3000	2700	2600	2500	2300	2250
Tool diameter (mm)	210	180	160	150	145	135	130	120	110	100
Useful length of standard tool (mm)	800	700	690	685	675	670	570	550	550	520
Oil flow min/max (l/min)	380/420	290/330	190/240	170/190	170/190	150/170	140/150	100/130	100/130	90/110
Working pressure min/max (bar)	180/190	180/190	180/190	180/190	180/190	170/180	170/180	165/175	165/175	165/175
Blows per minute (1/min)	239/432	249/432	233/576	307/523	307/523	371/932	332/593	339/718	339/718	538/720
Impact energy (joule)	22370	16871	13112	7878	7878	5526	5448	4496	4496	3602



xP 7000	xP 4500	xP 3100	xP 2400	xP 2000	xP 1700	xP 1500	xP 1200	xP 1000	xP 800
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Upper shock absorber
Avoiding damages to the arm of excavator

Low-pressure chamber
Improved impact energy at every strike

Superior power
Larger piston and tool diameter for a harder hit

Anti Blank Firing System
No Residual Blows

Lower shock absorber
Bottom case protection

High resistance tools
Special treated steel

Light Range



NEW
SMART VALVE®
Plug & Play
Patent Pending



No Initial Setup
Overflow & Pressure Peak Protection
Optional on Light Range only





XP Light Range

PB versions

feature two-sided casings with direct fit on the stick through pins & bushings.

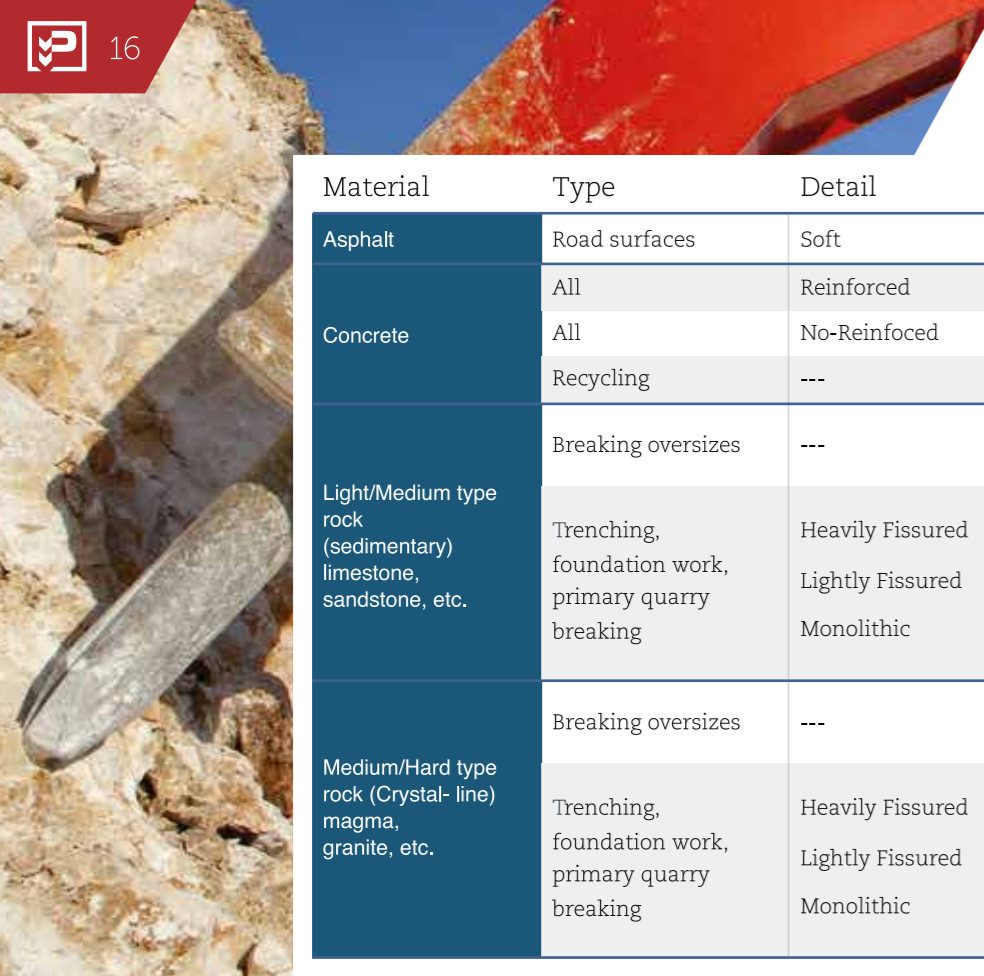


Technical specifications

Working weight (kg)	430	300	240	160	100	85	60
Working weight PB version (kg)	-	295	220	130	90	75	---
Carrier's weight min/max (t)	5,5/10	4,0/9,0	3,0/5,2	1,8/4	1,0/2,5	0,8/1,8	0,6/1,6
Total height (mm)	1620	1450	1350	1260	1098	1050	960
Tool diameter (mm)	80	80	64	56	42	42	38
Useful length of standard tool (mm)	390	380	370	280	270	270	240
Oil flow min/max (l/min)	70/80	50/60	35/45	25/35	15/25	15	10/15
Working pressure min/max (bar)	120/140	110/130	120/130	120/130	100/110	110	100/110
Blows per minute (1/min)	521/595	552/663	701/901	731/1024	526/838	526	633/950
Impact energy (joule)	1440	946	559	417	350	210	174
	XP 400	XP 300	XP 250	XP 150	XP 101	XP 70	XP 60



Sector	Application	xP400	xP800	xP1000	xP1200	xP1500	xP1700	xP2000	xP2400	xP3100	xP4500	xP7000
Construction	Road construction	●	●	●	●	●	●	●	●	●	●	●
	Landscaping work	●	●									
	Trench work/Foundations	●	●	●	●	●	●	●	●	●	●	●
	Tearing up concrete/asphalt	●	●	●	●	●	●	●	●	●	●	●
Demolition	Reinforced concrete	●	●	●	●	●	●	●	●	●	●	●
	Heavily reinforced concrete. Bridges, power stations & similar structures					●	●	●	●	●	●	●
	Masonry and not reinforced concrete		●	●	●	●	●	●	●	●	●	●
Quarrying	Primary breaking					●	●	●	●	●	●	●
	Secondary breaking/trenching. Foundation work/Bench levelling	●	●	●	●	●	●	●	●	●	●	●
Tunnelling	Tunnel driving					●	●	●	●	●	●	●
	Bench levelling		●	●	●	●	●	●	●	●	●	●
	Roof clearing		●	●	●	●	●	●	●	●	●	●
High temperature work	Breaking out ladles and moulds	●	●	●	●	●	●	●	●	●	●	●
	Removing encrustations	●	●	●	●	●	●	●	●			●
	Breaking up slag			●			●	●	●	●	●	●
Underwater applications	Demolition. Opening of channels		●	●	●	●	●	●	●	●	●	●



Material	Type	Detail	Chisel	Moil Point	Blunt Tool
Asphalt	Road surfaces	Soft			
Concrete	All	Reinforced			
	All	No-Reinforced			
Light/Medium type rock (sedimentary) limestone, sandstone, etc.	Recycling	---			
	Breaking oversizes	---			
	Trenching, foundation work, primary quarry breaking	Heavily Fissured Lightly Fissured Monolithic		 	
Medium/Hard type rock (Crystal-line) magma, granite, etc.	Breaking oversizes	---			
	Trenching, foundation work, primary quarry breaking	Heavily Fissured Lightly Fissured Monolithic	 		

Productivity (m³ in 8 hours)



Hard Rock, Compact basalt, Limestone.

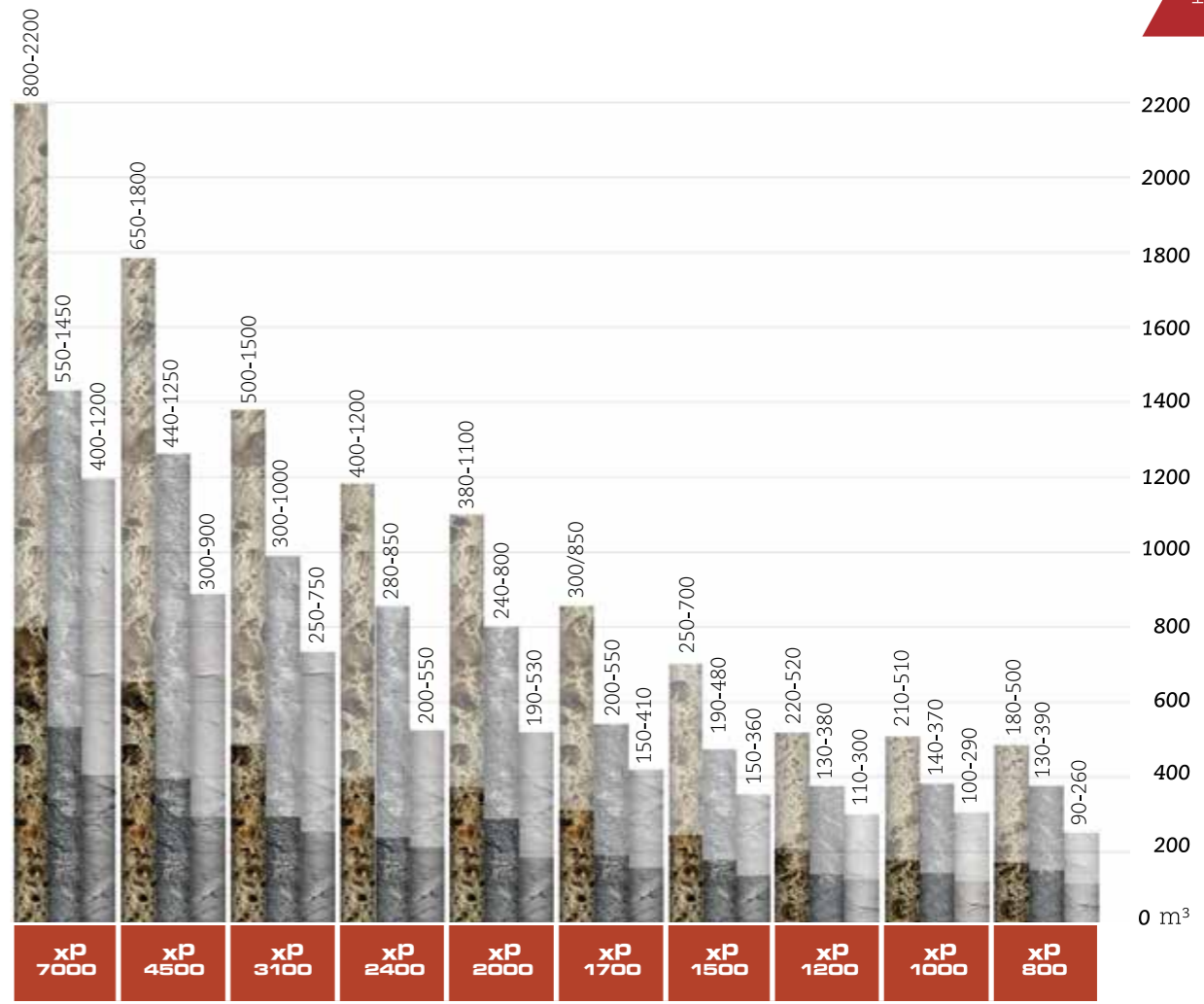


Medium-hard rock, Slate, Non-omogeneous granite.



Concrete non reinforced, Stratified limestone, Tuff.

Non-binding data; actual productivity is also affected by external factors like features and set-up of the carrier and driver's skill.





Underwater

Promove breakers deliver excellent performance and reliability even in underwater applications. Promove provides specific kit for ports, docks, channels construction and any other applications where the breaker must work underwater. Connection to compressed air avoids the entrance of water and prevents breakage and corrosion of the breaker's main components. Air hose attachment is located at the top of the breaker in order to keep it protected against accidental hits due to lack of visibility of the immersed part.

Special Applications



High-temperature

Hydraulic breakers are more and more often used in steel factories where their application is cleaning ladles and moulds and to remove scale. To face these critical conditions XP hammers can be equipped with specific kit of sealings, bushings and chisels designed to work in hot environments.



Tunnelling



Tunnelling is probably the most severe application for hammers. Working position with the chisel upward to break tunnel ceiling makes dust and rock splinters enter into the breaker's body causing big damages to piston, cylinder and bushings. To limit these problems, Promove provides a specific protection kit made of harder bushings, closing pads for the tool retainers and special steel and coating nylon bushings to close as much as possible the tool/bushing space and limit dust getting in. Also, Promove can provide a dust suppression kit to deliver high pressure air/water spray directly at the bottom of the breaker.

Blunt tool

Suitable for recycling, secondary demolition in the quarry, block reduction.



Asphalt-cutting tool

Suitable for asphalt cutting works, breaks of floors, walls, tile or tufa walls (it can be parallel or transversal oriented).



Pile-driving tool

Suitable for pile works or supporting columns for guard rails, etc.



Wood cutting tool

Suitable to fell trees or cut large-sized stocks.



Special tools



Adapting plate for CW (Verachtert-CAT) quick couplers.



Adapting plate for Volvo quick couplers.



Std. adapting plate or pingrabbed quick couplers.

Adapting plates

Automatic Greasing System



Optional for Medium & Heavy Range
It increases productivity and avoids stopping for manual greasing.

Options

PromoveLube

Hi-performance grease

Specific lubricant to protect your Promove hammer in the most severe conditions

Highly adhesive lubricant, based on special synthetic oil, thickened with complex aluminium soap. Contains synthetic polymers with high molecular weight and solid lubricants to ensure exceptional anti seizure and EP features.

Promove BreakerLube has high thermal stability, long service life and total protection from rust and corrosion, even in the presence of water jets or immersion.

Consistency is carefully balanced to guarantee prompt lubrication in cold-starts and harsh climates as well as total protection at high temperatures.

Synthetic base, specifically selected to enhance the oiliness, the affinity for metal surfaces and strength of the lubricant film even in the most hostile conditions.

Physical specifications have been specifically designed to perfectly match the Promove greasing systems (excavator-mounted electric pump or hammer-mounted hydraulic pump)



Grease



Established in 1989, today Promove is leader in manufacturing and distributing hydraulic breakers , shears and other demolition equipment.

All components are in-house made, through advanced CNC machinery and high technology, assuring maximum precision and finishing of all the surfaces.



Promove's company mission is to maximize customers' satisfaction through continuous improvement of the products' performance and reliability.

In order to achieve these goals, particular attention is dedicated to investments in efficient machineries, increasing productivity, pre and after sales services, Research and Development.



our Workflow



36 months

Extended warranty on the main components of the breaker, including cylinder and piston.

5 reasons why

- 1 From an accurate selection of raw materials to product assembly, all mechanical components are made in-house through advanced CNC machinery following strict quality and testing controls.
- 2 Dimensional and functional testing of all components.
- 3 Outstanding reliability resulting in product durability with low maintenance costs.
- 4 Excellent after sales service, spare parts always on stock, 24h delivery.
- 5 Continuous investments in R&D to improve quality and performance mainly focusing on the customers' needs.

Promove manufactures its products following strict policies and in compliance with ISO 9001:2008 standards: from the selection of raw materials and supply channels to the production and final testing.



Promove ensures that every product order is processed through an integrated quality management software, in addition to the in-house technical department support.



The most precious award for the passion and the day to day work of all our workforce is the number of positive feedback we receive from our customers using our demolition equipment in the hardest quarrying, tunnelling, demolition and construction applications worldwide, whether in underwater conditions or at high-reach.

Technical data are non-binding. Promove reserves the right to modify them without notice.



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