JUNE CONTRACTOR

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A PIONEER IN PILE DRIVING

Junttan has 40 years' experience in developing and manufacturing the industry's leading piling equipment. During this time, we have established a solid position as the recognised quality leader in pile driving rigs and hydraulic hammers.

Our best-in-class product range helps us to offer personalized services to customers with varying requirements and to develop customer-driven services.

Our customers have access to a wide range of spare parts, maintenance services, hands-on trainings, and business development tools. We help our customers to make the most out of their pile driving investment by ensuring that they have the top-notch equipment and tools to do their job in the best possible way, no matter where in the world their next site may be.





Reaching the top takes special skills and expertise – not to mention a versatile toolkit that includes a solution for all imaginable challenges, including the unexpected ones.





Our pile driving rigs, able to take on even the toughest jobs and conditions, are designed and developed to provide the best possible production efficiency and value for your money.





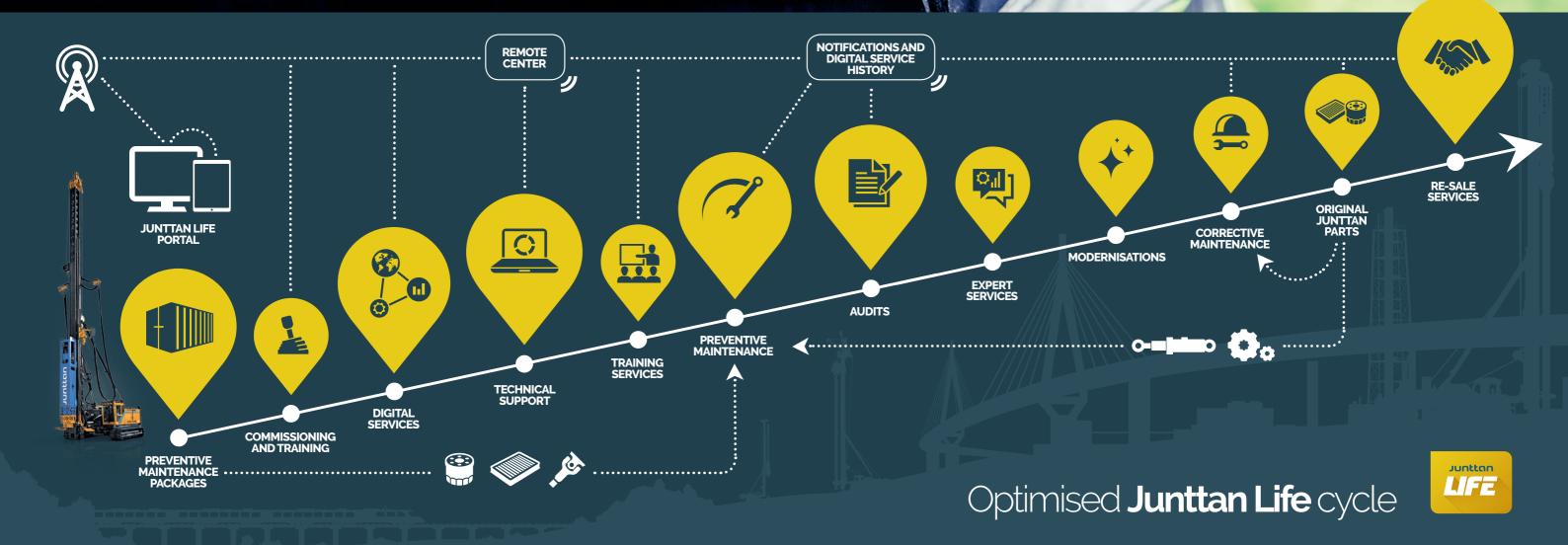
ALWAYS CLOSE BY

Wherever your construction projects may take you, rest assured.

The Junttan service network is close to you by offering a wide range of professional services to meet all your needs. Throughout the service life of your Junttan machinery, we help you to keep it in the best possible condition and able to withstand even the most demanding challenges and operating environments.

We are confident that Junttan products and services will lead to a life-long partnership. That's why we are with you during every step of your Junttan Life, right from the very first contact. Junttan Life is all about profitable, safe, effortless, and reliable partnership. You can focus on running your business while we take care of your Junttan equipment.

A key part of Junttan Life is our digital services that ensure effortless and carefree workflow. Junttan Life Portal gathers all the digital information and services in one easy-to-use and comprehensive web site.





LIFE-LONG PARTNERSHIP TOTAL PROFITABILITY SAFETY

XSERIES

MODEL	PMx20	PMx22	PMx24	PMx25	PMx26	PMx27	PMx28
AVERAGE WORKING WEIGHT	55 000 kg (120 000 lb)	64 000 kg (141 100 lb)	68 000 kg (149 900 lb)	70 000 kg (154 300 lb)	82 000 kg (180 800 lb)	80 000 kg (176 000 lb)	90 000 kg (198 000 lb)
LEADER CAPACITY	13 000 kg (28 700 lb)	16 000 kg (35 300 lb)	18 000 kg (39 700 lb)	18 000 kg (39 700 lb)	20 000 kg (44 000 lb)	23 000 kg (50 000 lb)	30 000 kg (66 100 lb)
RECOMMENDED HAMMER SIZE	3-5 tons (6 000-11 000 lb)	3-6 tons (6 000-13 000 lb)	4-6 tons (9 000-13 000 lb)	5-7 tons (11 000-15 000 lb)	6-8 tons (13 000-18 000 lb)	5–9 tons (11 000–19 000 lb)	7-12 tons (15 400-26 400 lb)
MAX PILE LENGTH	20 m (66 ft)	20 m (66 ft)	24 m (78 ft)	24 m (78 ft)	24 m (78 ft)	25 m (80 ft)	28 m (91 ft)
ENGINE POWER (US TIER 4F/EU STAGE IV)	224 kW (300 hp)	231 kW (310 hp)	283 kW (384 hp)	283 kW (384 hp)			
WINCH CAPACITY: PILE	8 000 kg (17 600 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	12 000 kg (26 500 lb)	10 000 kg (22 000 lb)	13 000 kg (28 660 lb)
WINCH CAPACITY: HAMMER	11 000 kg (24 300 lb)	11 000 kg (24 300 lb)	12 000 kg (26 500 lb)	13 000 kg (28 660 lb)	20 000 kg (44 000 lb)	18 000 kg (39 600 lb)	20 000 kg (44 000 lb)
UNDERCARRIAGE: LENGTH	4 700 mm (185 in)	5 100 mm (200 in)	5 100 mm (200 in)	5 700 mm (225 in)			
UNDERCARRIAGE: WIDTH (900 SHOES)	3 200-4 700 mm (126-185 in)	3 200–4 700 mm (126–185 in)	3 200-4 700 mm (126-185 in)	3 200-4 700 mm (126-185 in)	3200–4700 mm (126–185 in)	3 380-4 880 mm (133-192 in)	3 380–4 880 mm (133–192 in)

CLASSIC JUNTEON

MODEL	PM16	PM20LC	PM23LC (long reach boom)	PM25HD	PM25LC	PM25HLC	РМ25Н	PM26LC	PM28
AVERAGE WORKING WEIGHT	37 000 kg (81 570 lb)	64 000 kg (141 100 lb)	65 000 kg (143 300 lb)	65 000 kg (143 300 lb)	70 000 kg (154 300 lb)	74 000 kg (163 100 lb)	78 000 kg (172 000 lb)	95 000 kg (209 000 lb)	100 000 kg (220 500 lb)
LEADER CAPACITY	12 000 kg (26 400 lb)	16 000 kg (35 200 lb)	14 000 kg (30 900 lb)	16 000 kg (35 200 lb)	18 000 kg (39 700 lb)	18 000 kg (39 700 lb)	20 000 kg (44 000 lb)	30 000 kg (66 000 lb)	30 000 kg (66 000 lb)
RECOMMENDED HAMMER SIZE	3-4 tons (6 000-9 000 lb)	3-6 tons (6 000-13 200 lb)	3-5 tons (6 000-11 000 lb)	3-7 tons (6 000-15 000 lb)	3-7 tons (6 000-15 000 lb)	5-9 tons (11 000-19 000 lb)	5-9 tons (11 000-19 000 lb)	5-12 tons (11 000-26 400 lb)	5-12 tons (11 000-26 400 lb)
MAX PILE LENGTH	16 m (52 ft)	20 m (66 ft)	20 m (66 ft)	22 m (73 ft)	22 m (73 ft)	23 m (75 ft)	25 m (82 ft)	26 m (85 ft)	26 m (85 ft)
ENGINE POWER (EU STAGE III A/STAGE V)	179 kW (240 hp)	179 kW (240 hp)	179 kW (240 hp)	227 kW (304 hp)	227 kW (304 hp)	227 kW (304 hp)	286 kW (384 hp) / 272 kW (365 hp)	388 kW (520 hp) TIER 3	388 kW (520 hp) TIER 3
WINCH CAPACITY: PILE	5 000 kg (11 000 lb)	10 000 kg (22 000 lb)	8 000 kg (17 600 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	12 000 kg (26 400 lb)	12 000 kg (26 400 lb)
WINCH CAPACITY: HAMMER	8 000 kg (17 600 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	10 000 kg (22 000 lb)	16 500 kg (36 400 lb)	16 500 kg (36 400 lb)	25 000 kg (55 000 lb)	25 000 kg (55 000 lb)
UNDERCARRIAGE: LENGTH	4 460 mm (181 in)	5 100 mm (200 in)	5 700 mm (225 in)	5 100 mm (200 in)	5 700 mm (225 in)	5 700 mm (225 in)	5 700 mm (225 in)	5 700 mm (225 in)	5 700 mm (225 in)
UNDERCARRIAGE: WIDTH (900 SHOES)	3 000–4 000 mm (118–157 in)	3 200–4 700 mm (126–185 in)	3 200–4 700 mm (126–185 in)	3 200-4 700 mm (126-185 in)	3 200-4 700 mm (126-185 in)	3 200-4 700 mm (126-185 in)	3 380-4 880 mm (133-192 in)	3 490-4 800 mm (133-192 in)	3 490–4 800 mm (133–192 in)

Pile driving rigs

The advanced technical performance and a full range of customisation alternatives are the core elements of every Junttan pile driving rig. In addition to leading reliability and productivity at work, these machines feature a collection of thoroughly considered details, which further enhance the operational efficiency.

The safety and comfort of the operator is one of our fundamental priorities. The Junttan pile driving rigs have been designed to ensure top-notch practicality as well as a minimal amount of noise and vibration. Thanks to the lesser amount of harmful emissions, they are also more eco-friendly than conventional diesel hammers and mechanical piling rigs.



ADVANCED TECHNICAL PERFORMANCE RELIABILITY, PRODUCTIVITY,

AND OPERATIONAL EFFICIENCY MINIMAL NOISE AND VIBRATION

FEWER HARMFUL EMISSIONS



Hydraulic impact hammers

Utilising industry-leading technology and know-how, the Junttan hydraulic impact hammers will make the most of the available opportunities, at every construction site. As up to 95 per cent of the hammer's energy is transferred to the pile and its progress, the pile installation can take place with optimal efficiency – not only when it comes to energy, but also time and costs as well.

The Junttan hammers are manufactured with a keen eye on sustainable development. As a result, they create less noise and vibration and fewer emissions than conventional hammers. A smooth installation process helps ensure that everything takes place with as little impact on the environment as possible.

By gaining a comprehensive understanding to achieve the evolving, ambitious goals of modern construction business, we have tested and developed our hammers to provide the best possible performance under all conditions. Our versatile selection of equipment ensures that for every construction challenge, the ideal solution can be found.

X-SERIES

MODEL	SHK3	SHK4	SHK5	SHK6	SHK7	SHK9	HHx160	HHx190	HHx210	HHx250	HHx300
RAM WEIGHT	3 000 kg (6 614 lb)	4 000 kg (8 800 lb)	5 000 kg (11 000 lb)	6 000 kg (13 200 lb)	7 000 kg (15 400 lb)	9 000 kg (19 800 lb)	10 000 kg (22 000 lb)	12 000 kg (26 400 lb)	14 000 kg (30 800 lb)	16 000 kg (35 200 lb)	20 000 kg (44 000 lb)
MAX ENERGY	36 kNm (29 607 ft-lb)	49 kNm (35 876 ft-lb)	61 kNm (44 845 ft-lb)	73 kNm (53 814 ft-lb)	89 kNm (65 621 ft-lb)	119 kNm (87 740 ft-lb)	160 kNm (117 920 ft-lb)	190 kNm (140 030 ft-lb)	210 kNm (154 770 ft-lb)	250 kNm (184 250 ft-lb)	300 kNm (221 100 ft-lb)
DROP HEIGHT MAX	1 200 mm (3.94 ft)	1 000 mm (3.28ft)									
BLOWS PER MINUTE	50-140+	50-140+	50-140+	50-140+	50-140+	50-140+	60-120	50-120	45/60-120	60-120	50-120
TOTAL WEIGHT	6 920 kg (15 256 lb)	8 120 kg (17 902 lb)	9 250 kg (20 393 lb)	10 430 kg (22 994 lb)	11 730 kg (25 860 lb)	14 800 kg (32 560 lb)	24 326 kg (53 517 lb)	27 690 kg (60 918 lb)	30 285 kg (66 407 lb)	33 600 kg (74 000 lb)	38 700 kg (85 300 lb)

JUNELON

MODEL	ННКЗА	HHK4A	HHK5A	HHK6A	HHK7A	ННК9А	HHK12A	HHK14A	HHK16A
RAM WEIGHT	3 000 kg (6 614 lb)	4 000 kg (8 800 lb)	5 000 kg (11 000 lb)	6 000 kg (13 200 lb)	7 000 kg (15 400 lb)	9 000 kg (19 800 lb)	12 000 kg (26 400 lb)	14 000 kg (30 800 lb)	16 000 kg (35 200 lb)
MAX ENERGY	35 kNm (26 070 ft-lb)	47 kNm (34 718 ft-lb)	59 kNm (43 398 ft-lb)	71 kNm (52 078 ft-lb)	82 kNm (60 757 ft-lb)	106 kNm (78 116 lb)	141 kNm (104 155 ft-lb)	165 kNm (121 515 ft-lb)	188 kNm (138 874 ft-lb)
DROP HEIGHT MAX	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)	1 200 mm (3.94 ft)						
BLOWS PER MINUTE	40-100	40-100	40-100	40-100	40-100	40-100	40-100	40-100	40-100
TOTAL WEIGHT	6 000 kg (13 228 lb)	7 200 kg (15 873 lb)	8 400 kg (18 519 lb)	9 500 kg (20 994 lb)	11 000 kg (24 251 lb)	13 500 kg (29 762 lb)	19 200 kg (42 329 lb)	24 700 kg (49 600 lb)	30 200 kg (60 400 lb)

MODEL	ннкзз	ННК45	ннк55	HHK6S	HHK7S	ННК95	HHK10S	HHK12S	HHK14S	HHK16S	HHK20S	ННК255	HHK28S
RAM WEIGHT	3 000 kg (6 614 lb)	4 000 kg (8 800 lb)	5 000 kg (11 000 lb)	6 000 kg (13 200 lb)	7 000 kg (15 400 lb)	9 000 kg (19 800 lb)	10 000 kg (22 000 lb)	12 000 kg (26 400 lb)	14 000 kg (30 800 lb)	16 000 kg (35 200 lb)	20 000 kg (44 000 lb)	25 000 kg (55 000 lb)	28 000 kg (61 600 lb)
MAX ENERGY	44 kNm (32 450 ft-lb)	59 kNm (43 500 ft-lb)	74 kNm (54 248 ft-lb)	88 kNm (64 907 ft-lb)	103 kNm (74 947 ft-lb)) 132 kNm (97 646 ft-lb)	147 kNm (108 495 ft-lb)	177 kNm (130 914 ft-lb)	206 kNm (151 893 ft-lb)	235 kNm (173 592 ft-lb)	294 kNm (216 990 ft-lb)	368 kNm (271 238 ft-lb)	412 kNm (303 786 ft-lb
DROP HEIGHT MAX	1 500 mm (4.92 ft)	1 500 mm (4.92 ft)	1 500 mm (4.92 ft)	1 500 mm (4.92 ft)	1 500 mm (4.92 ft)	1 500 mm (4.92 ft)	1 500 mm (4.92 ft)	1 500 mm (4.92 ft)	1 500 mm (4.92 ft)				
BLOWS PER MINUTE	30-100	30-100	30-100	30-100	30-100	30-100	30-100	30-100	30-100	30-100	30-100	30-100	30-100
TOTAL WEIGHT	6 500 kg (14 300 lb)	7 600 kg (16 720 lb)	9 000 kg (19 800 lb)	11 200 kg (24 640 lb)	12 400 kg (27 280 lb)	14 500 kg (31 900 lb)	16 700 kg (36 817 lb)	19 400 kg (42 770 lb)	22 100 kg (48 772 lb)	29 690 kg (65 468 lb)	34 856 kg (76 844 lb)	46 800 kg (103 176 lb)	51 500 kg (113 538 lb)



OPTIMAL EFFICIENCY Up to 95% of the hammer's efficiency transferred to the pile

> AS LITTLE IMPACT ON ENVIRONMENT AS POSSIBLE





Power packs

The Junttan Power packs are ready for use quickly, and the low noise level further enhances their userfriendliness. They are compact, yet powerful pieces of equipment that can conveniently be transported from one construction site to another.

The Junttan Power packs are designed to be used with hammers, rotary heads, and vibrators. The compact structure and remote control possibility enable them to be used ranging from simple to highly demanding situations, and you to get the most out of your hammer.

By efficiently combining the sheer power with the ability to perform, Power packs are able to ensure the most effective, reliable, and flawless flow throughout the piling process. Thanks to their easy handling, excellent durability, and first-class fuel economy, the Junttan Power packs enable optimal functionality even in the most demanding conditions.







MODEL	10xCU	15xCU	20xCU
ENGINE TYPE (CUMMINS)	QSC 8.3 Tier 3 / Stage IIIA	QSL 9 Tier 4F / Stage IV	QSX15 Tier 3 / Stage IIIA
	QSL 9 Tier 4F / Stage IV		QSX15 Tier 4F / Stage IV
ENGINE RATED POWER	227 kW (304 hp) / 283 kW (384 hp)) 283 kW (384 hp)	496 kW (665 hp) / 503 kW (675 hp)
MAX OPERATING PRESSURE	350 bar (5 076 PSI)	350 bar (5 076 PSI)	350 bar (5 076 PSI)
HYDRAULIC OIL TANK	1 000 l (263 gal)	1 000 l (263 gal)	1 500 l (396 gal)
FUEL TANK	660 l (173 gal)	660 l (173 gal)	660 l (173 gal)
OIL FLOW MAX	380 l/min (100 gpm)	2 x 380 l/min (2 x 100 gpm)	2 x 520 l/min (2 x 137 gpm)
CONTROL SYSTEM	X-control / pile cruise	X-control / pile cruise	X-control / pile cruise
WEIGHT	5 500 kg (12 120 lb)	5 900 kg (12 980 lb)	8 700 kg (19 140 lbs)



MODEL	10CCU	15CCU	20CCU	30CCU
ENGINE TYPE (CUMMINS)	QSC 8.3 Tier 3 / Stage IIIA	QSM11 Tier 3 / Stage IIIA	QSX15 Tier 3 / Stage IIIA	QSK23 Tier 1
ENGINE RATED POWER	227 kW (304 hp)	280 kW (375 hp)	388 kW (520 hp)	708 kW (950 hp)
MAX OPERATING PRESSURE	220 bar (3 190 PSI)	350 bar (5 076 PSI)	350 bar (5 076 PSI)	350 bar (5 076 PSI)
HYDRAULIC OIL TANK	1 000 l (264 gal)	1 850 l (488 gal)	1 850 l (488 gal)	2 700 l (713 gal)
FUEL TANK	400 l (105 gal)	760 l (210 gal)	760 l (210 gal)	2 500 l (660 gal)
OIL FLOW MAX	380 l/min (100 gpm)	2 x 380 l/min (2 x 100 gpm)	2 x 380 l/min (2 x 100 gpm)	2 x 546 l/min (2 x 144 gpm)
CONTROL SYSTEM	classic	classic	classic	classic
WEIGHT	5 700 kg (12 570 lb)	8 400 kg (18 480 lb)	8 700 kg (19 140 lb)	13 500 kg (29 700 lb)



Multipurpose piling rigs

The Junttan multipurpose rigs are designed to operate widely in the largely varying field of piling work, able to install driven as well as different types of bored piles. Each model of machine, however, can be considered unique, with its own special features and characteristics, and designed in accordance with customer wishes and requirements. Along with the other excellent features, the Junttan multipurpose rigs are able to provide easy transportability from one job site to another, exceptional stability, operational safety, consideration of the environment, and, above all, high productivity.



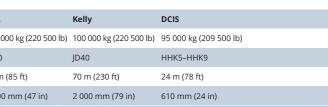
X:SERIES

Ν	MODEL	MPx50		MPx90		
	ENGINE POWER	320 kW (429 hp)		503 kW (675 hp)		
	LEADER CAPACITY	23 000 kg (50 700 lb)		40 000 kg (88 185 lb)		
	MAIN WINCH CAPACITY	200 kN (44 900 lb)		250 kN (56 200 lb)		
	AUXILIARY WINCH CAPACITY	130 kN (29 225 lb)		200 kN (44 900 lb)		
	EXTRACTION FORCE	800 kN (180 000 lb)		1 000 kN (224 800 lb)		
	PULL DOWN FORCE	260 kN (58 450 lb)		600 kN (134 800 lb)		
	UNDERCARRIAGE LENGTH	5 630 mm (222 in)		6 325 mm (249 in)		
	UNDERCARRIAGE WIDTH w/ 900 mm TRACK SHOES	3 380-4 880 mm (133-192	2 in)	3 470-5 010 mm (137-197	⁷ in)	
	APPLICATION	DISPLACEMENT	CFA	Kelly	DCIS	DTH
ſ	AVERAGE WORKING WEIGHT (MPx50)	86 000 kg (189 600 lb)				
V	AVERAGE WORKING WEIGHT (MPx90)	125 000 kg (275 600 lb)				
	RECOMMENDED ROTARY HEAD / HAMMER (MPx50)	several options				
	RECOMMENDED ROTARY HEAD / HAMMER (MPx90)	JD45	JD45	JD45	SHK5-SHK9	JD25
	MAX PILE LENGTH (MPx50)	25 m (82 ft)	25 m (82 ft)	50 m (164 ft)	20 m (66 ft)	25 m (82 ft)
	MAX PILE LENGTH (MPx90)	40 m (131 ft)	36 m (118 ft)	70 m (230 ft)	30 m (98 ft)	30 m (78 ft)
	MAX PILE DIAMETER (MPx50)	508 mm (20 in)	800 mm (32 in)	1 200 mm (47 in)	610 mm (24 in)	1 000 mm (39 in)
	MAX PILE DIAMETER (MPx90)	610 mm (24 in)	1 200 mm (47 in)	2 000 mm (79 in)	610 mm (24 in)	1 200 mm (21 in)

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MODEL	PM26 / PM28	
ENGINE POWER	388 kW (520 hp)	
LEADER CAPACITY	30 000 kg (66 100 lb)	
MAIN WINCH CAPACITY	250 kN (56 200 lb)	
AUXILIARY WINCH CAPACITY	120 kN (26 900 lb)	
EXTRACTION FORCE	1 000 kN (224 800 lb)	
PULL DOWN FORCE	360 kN (80 900 lb)	
UNDERCARRIAGE LENGTH	5 700 mm (225 in)	
UNDERCARRIAGE WIDTH w/ 900 mm TRACK SHOES	3 500-4 770 mm (138-188	in)
APPLICATION	DISPLACEMENT	CFA
AVERAGE WORKING WEIGHT	100 000 kg (220 500 lb)	100 00
RECOMMENDED ROTARY HEAD / HAMMER	JD40	JD40
MAX PILE LENGTH	32 m (105 ft)	26 m (
MAX PILE DIAMETER	810 mm (32 in)	1 200

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Deep stabilisation machines

The Junttan deep stabilisation rigs are used for consolidating soft ground. The objective is always to produce a highly stable ground mass from the previously unstable material. Columns, groups of columns, or walls are formed at the desired depth by dry jet mixing of one or several binding agents and fillers. Lime, fly ash, gypsum, and cement can all be used as binding agents, depending on the soil type and application method.



MODEL	D\$x15
AVERAGE WORKING WEIGHT	37 000 kg (81 571 lb) (material tanks empty)
LEADER MOVEMENTS	1 000 mm (39.4 in) up/down / 820 mm (32.3 in) horizontal
ROTARY HEAD WEIGHT	2 tons (4 409 lb)
MAX PILE LENGTH	20 m (65.6 ft)
ENGINE POWER	227 kW (304 hp)
WINCH CAPACITY: FEEDING	5 000 kg (11 023 lb)
WINCH CAPACITY: EXTRACTION	8 000 kg (17 637 lb)
AUXILIARY WINCH	1 800 kg (3 968 lb)
UNDERCARRIAGE: LENGTH	4 700 mm (185 in)
UNDERCARRIAGE: WIDTH (1 200 mm)	3 950 mm (156 in)

Leader packages

Junttan's new vertical travel lead Leader Packages can be integrated to any brand crawler crane. The new Junttan LP25 and LP32 leader package kit consists of a vertical travel lead, hydraulic spotter system, cathead, Junttan controls, and a Junttan hydraulic hammer. The maximum pile length with the Junttan LP25 with a Junttan 9-ton hammer is maximum 25 m / 82 ft and with the Junttan LP32 it is 32 m / 105 ft. The bigger LP32 package is designed to be used with up to a 14-ton Junttan hydraulic hammer.

Depending on the crawler crane, the Junttan hydraulic hammer can be powered either with the crane's own hydraulics or with a Junttan Power pack. If needed, the power pack can be mounted on a support frame in the rear of the crawler crane.

The Junttan Leader Package offers optimal reach and driving also for battered piles. It enables a 15-degree forward inclination and a 15-degree backward inclination as well as a 9-degree lateral inclination. The Junttan long-reach leader design enables piling to be carried out as far as 10 m / 30 ft away from the crane's crawlers. Operating is easy with the Junttan controls for the leader and the hydraulic hammer.



MODEL	Junttan Leader Package LP25	Junttan Leader Package LP32
MAX HAMMER SIZE	up to 9 tons (19 842 lb)	up to 14 tons (30 865 lb)
MAX PILE LENGTH	25 m (82 ft)	32 m (105 ft)
JUNTTAN CATHEAD	x	x
JUNTTAN CONTROL SYSTEM	х	x
VERTICAL TRAVEL LEAD SYSTEM	х	x



Just ask. We will answer.

Need more information about the Junttan Classic or X-Series?

junttan@junttan.com









At your service

Combining state-of-the-art piling machinery with uncontested customer service and sheer determination to do everything there is to do to help customers succeed, Junttan can improve also your operational efficiency.



FIND YOUR NEAREST DEALER HERE: www.junttan.com/contact-us



JUNTTAN OY

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