Technical Data

Specification & Capacities

SPX532

CE

EN 13000

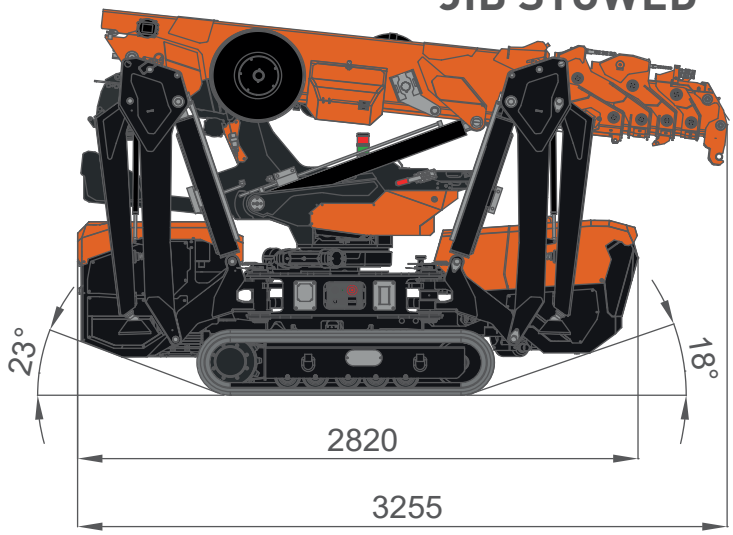
28.02.2022 | Rev.10

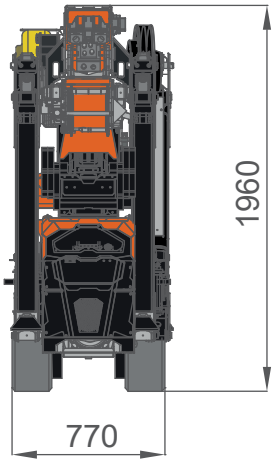
[m] [kg]

OVERALL DIMENSIONS

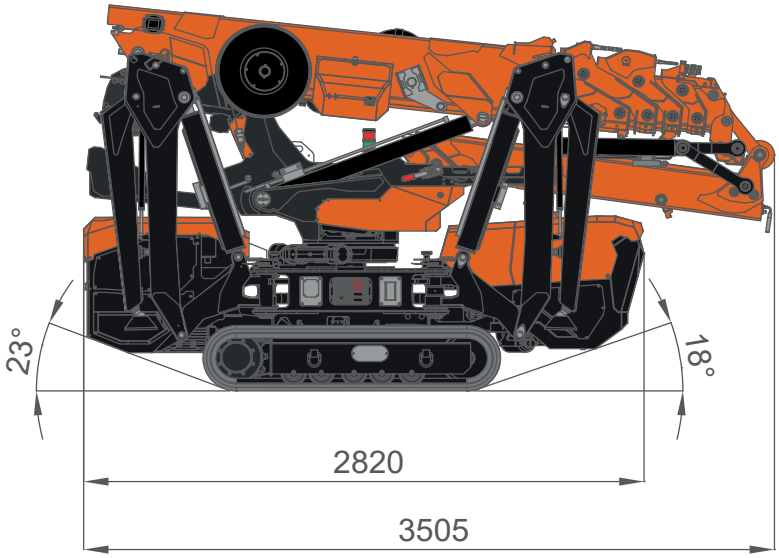
SPX532CDH

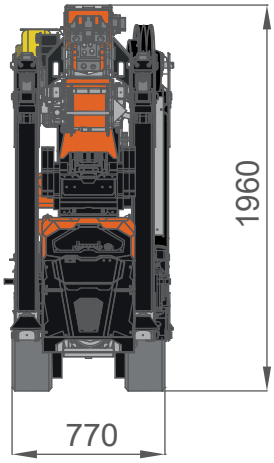
JIB STOWED



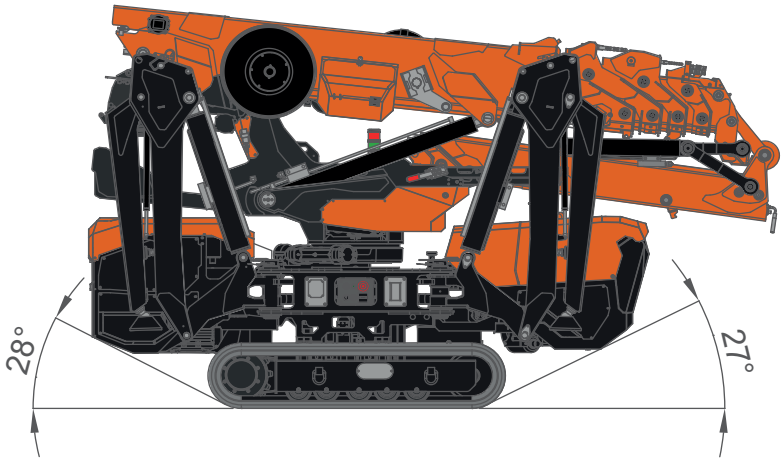


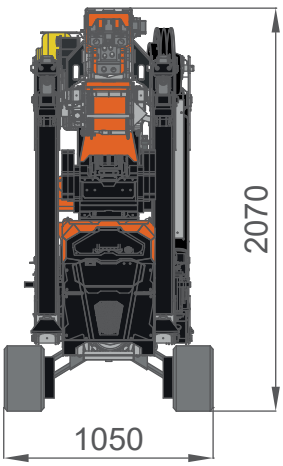
JIB MOUNTED





EXTENDED TRACKS

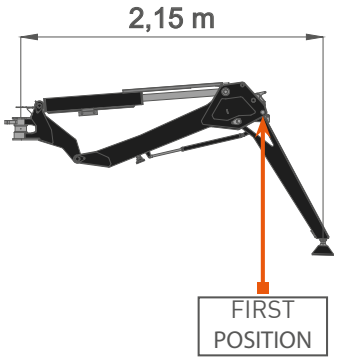


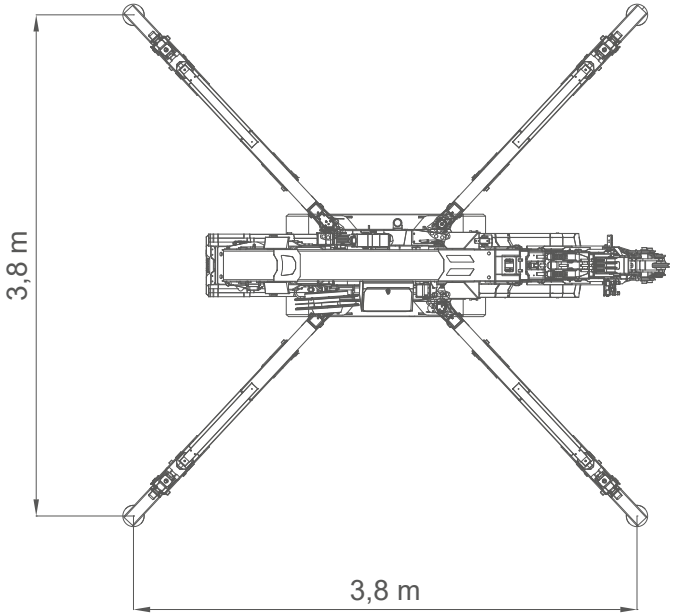


[mm]

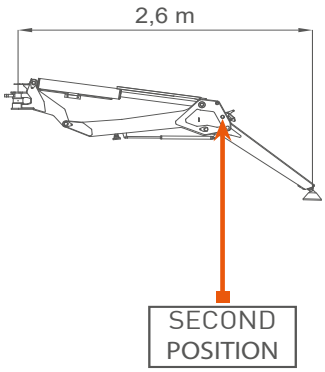
OVERALL DIMENSIONS

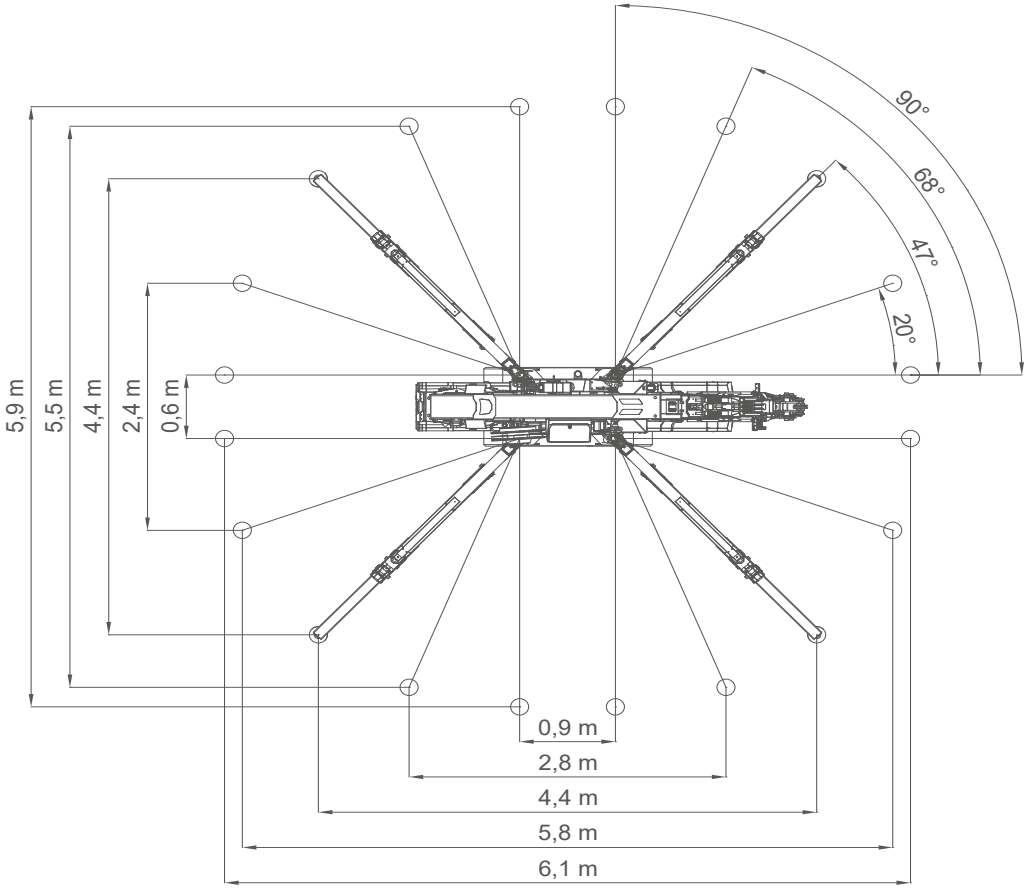
SQUARE OUTRIGGER 1ST POSITION STABILITY





OUTRIGGER 2ND POSITION FULL STABILITY





OVERALL INFORMATION

WEIGHTS		Name/ version	kg*
	Crane	CDH, CL, CL2	2520
	Winch	W800.6	52
	Hookblock	SINGLE FALL	20
		MULTIPLE FALL	49
	Power Pack AUX	1-PHASE POWERPACK	52
		3-PHASE POWERPACK	63
	Jib	JIB1200GX	50
		JIB1000.2H1MX	210
		MANUAL EXTENSION	14
		PULLEY HEAD	8
	Grabber	JIB500GR	217
	Outriggers mats	OM400	17

ENGINE		Engine	KUBOTA D902-E4B	
	kW	Power	16,1kW 22HP	
		Fuel	DIESEL	
		Tank	L	10
ELECTRIC		Lithium Battery	CL: 24V 300Ah	
	kW	Power	24V-3F 5,5kW 7,5HP	
		Lithium Battery	CL2: 48V 200Ah	
	kW	Power	48V-3F 7,0kW 9,5HP	
HYDRAULIC		Hydraulic Oil	ISO 6743-4:HFDU with VG46 viscosity class	
			Working temp	<70°C
			L	40
MOVEMENTS		Travel Speed	km/h	CDH: 2,7 CL, CL2 : 1,8
		Gradeability	20° (36%)†	
		Track Load	kg/cm²	0,63
	MAX	Outrigger Load	kg	3000‡
		Working Angle	0°/80°	
			s	30
		Slewing	360°	
			rpm	0,85
		Boom Telescoping	m	2,5 - 10,8
			s	40

*: Dry weight
†: Engine working limit
‡: Static lifting

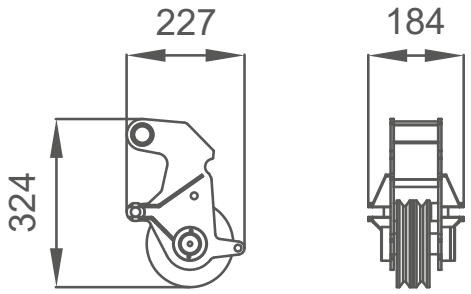
HOIST PERFORMANCE

GEAR WINCH	**Layer**	**Max line pull**	**Standard rope speed**	**Highest rope speed**
		kg	m/min	m/min
	1	785		25
	2	730		27
	3	680		29
	4	640		31
	5	600		33
ROPE	**Wire rope**	**Ø**	**Total length**	**Max load**
		mm	m	kg
	19x7 right lang lay Non rotating	7	81	4700
PISTON WINCH	**Layer**	**Max line pull**	**Standard rope speed**	**Highest rope speed**
		kg	m/min	m/min
	1	980*		16
	2	910*		17
	3	860*		19
	4	810*		20
ROPE	**Wire rope**	**Ø**	**Total length**	**Max load**
		mm	m	kg
	19x7 right lang lay Non rotating	7	68	4700
HOOK BLOCK	**Load**	**N° of**		**Block type**
	kg	Sheaves	Lines	
	3200	2	4	Multiple fall block
	2400	1	3	
	1600	1	2	
	800	-	1	Single fall block

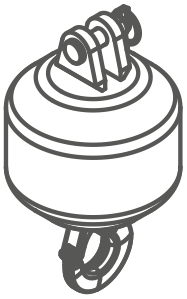
*: LMI limited at 800 kg

PULLEY HEAD AND HOOKBLOCK

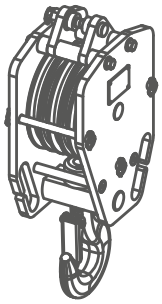
TILTING PULLEY HEAD



SINGLE FALL

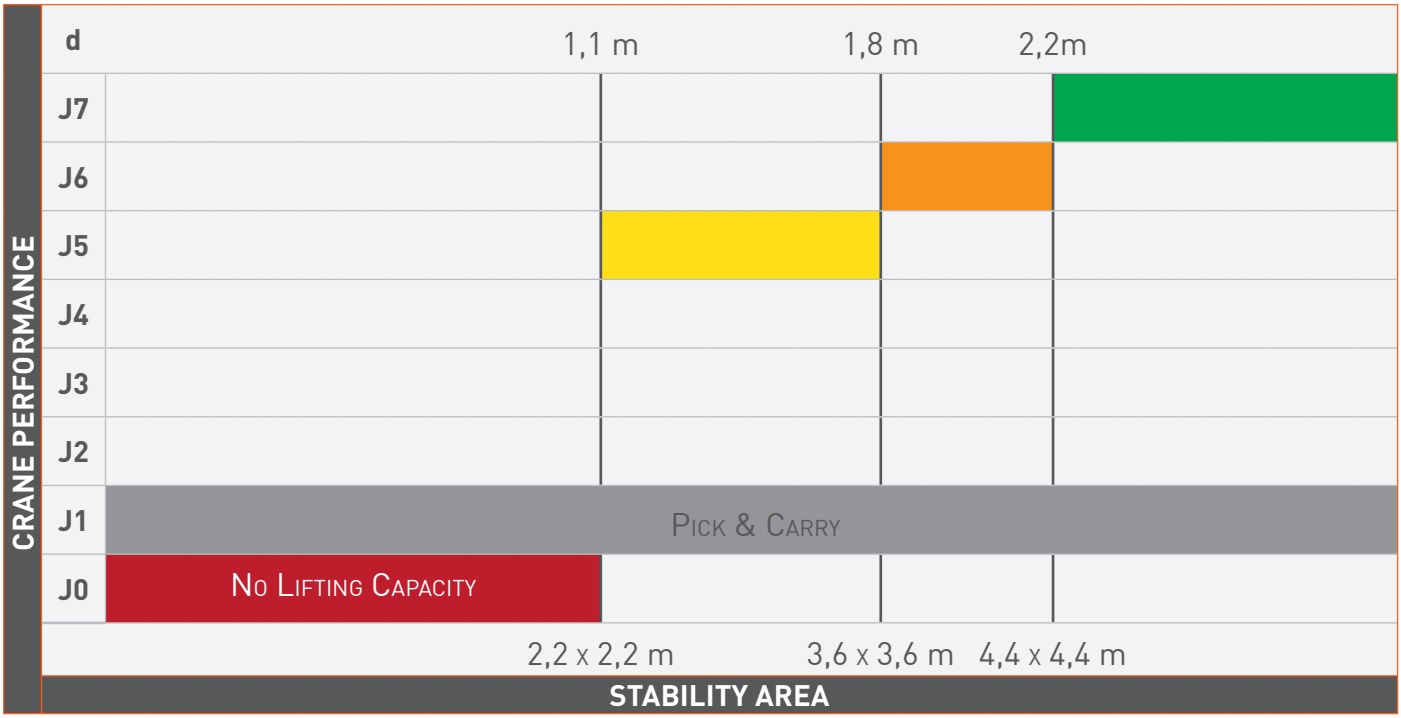


MULTIPLE FALLS

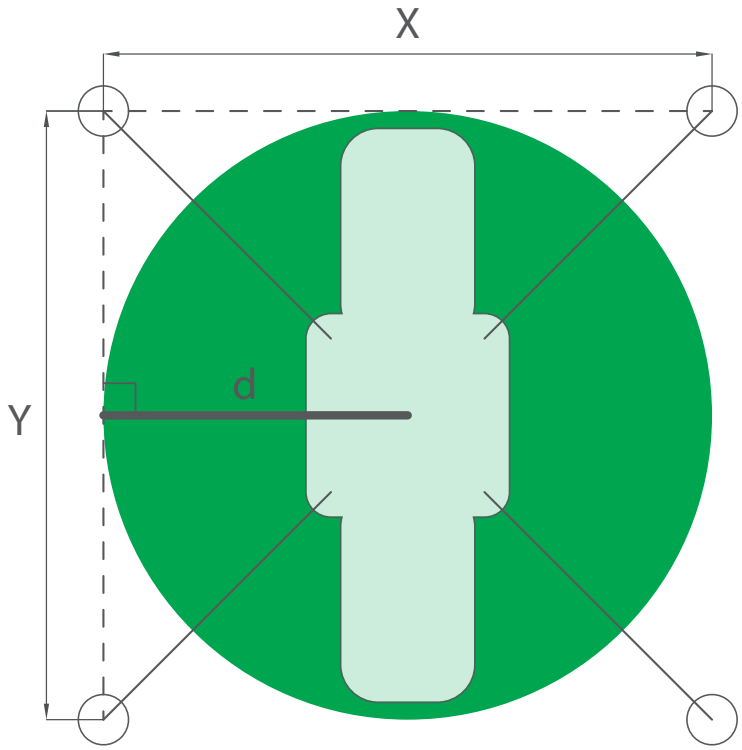


[mm]

CRANE PERFORMANCE

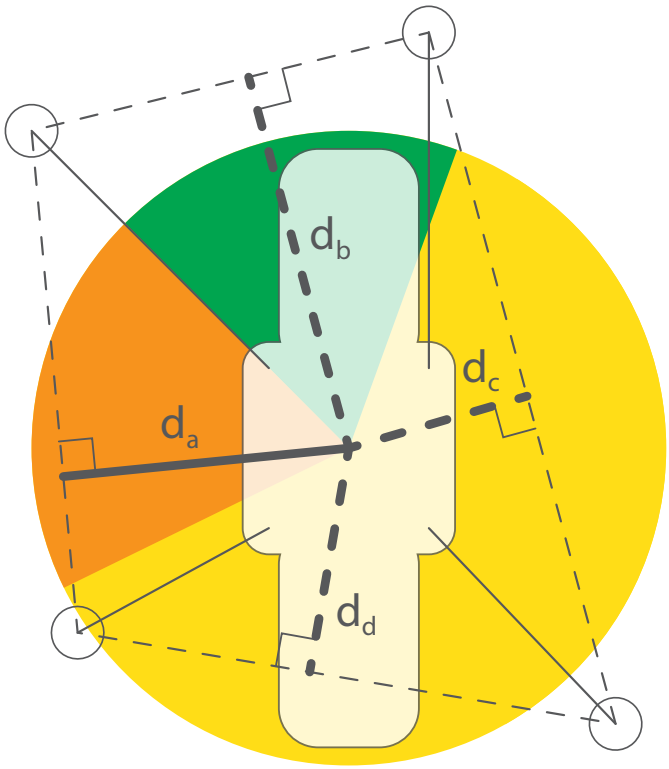


STABILITY EXAMPLES



Example 1:
Square stability area.

X = 4,4 m
Y = 4,4 m
d = 2,2 m



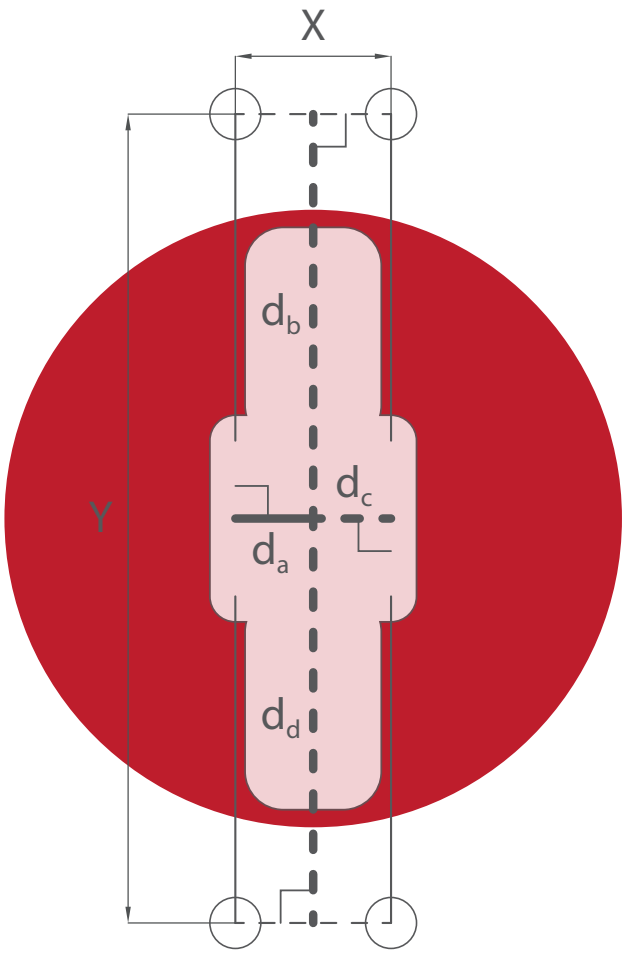
Example 2:
Asymmetric stability area.

d_a = 1,9 m
d_b = 2,2 m
d_c = 1,3 m
d_d = 1,3 m

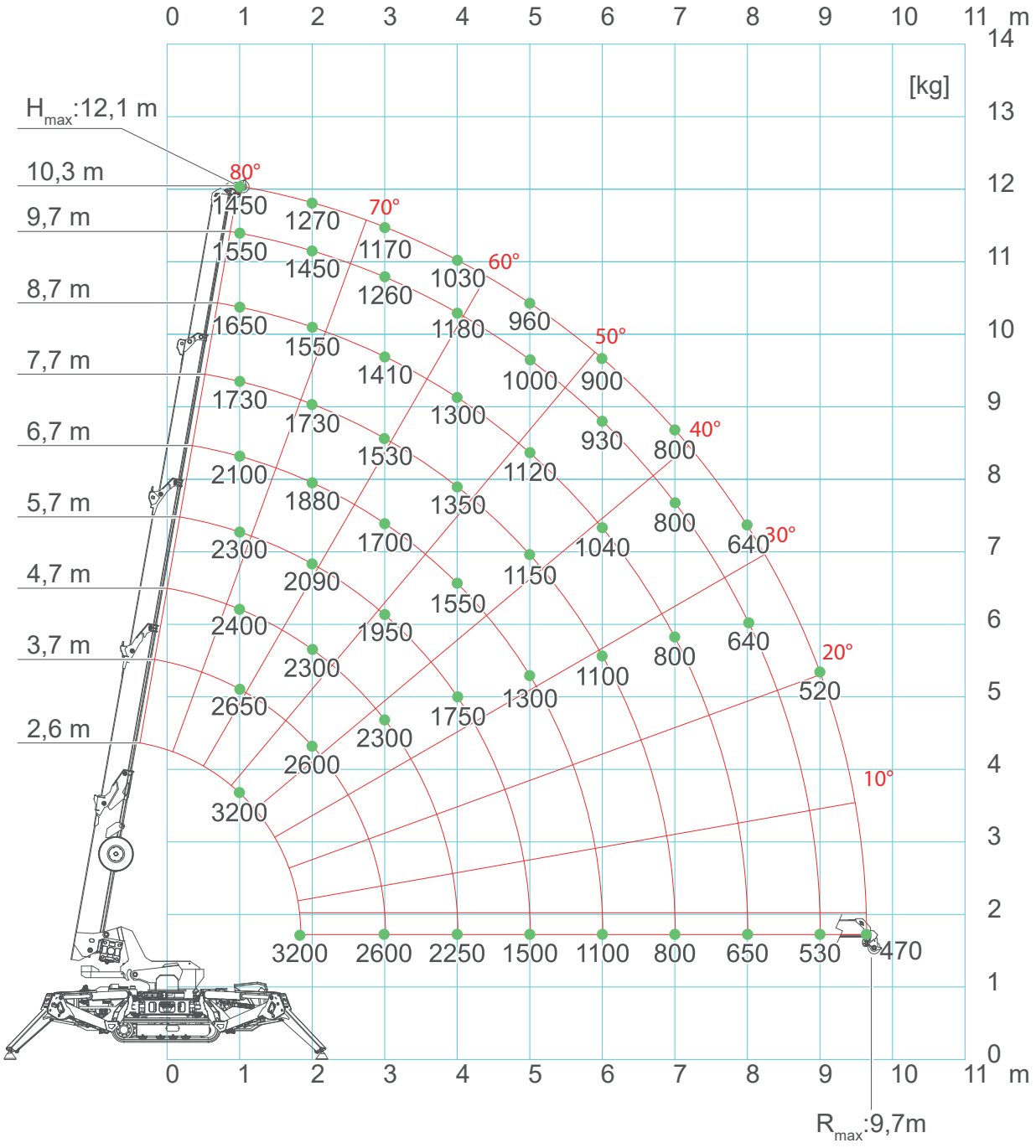
Example 3:
Close outriggers stability area.

X = 0,6 m
Y = 5,0 m
d_a = 0,3 m
d_b = 2,5 m
d_c = 0,3 m
d_d = 2,5 m

d_b and d_d should be J7 geometrically but is limited to J0 anyway because too narrow.



SPX532 - MAIN BOOM



SPX532 - MAIN BOOM

CRANE PERFORMANCE: J7

[m] L →	2,6	2,7	3,7	4,7	5,7	6,7	7,7	8,7	9,7	10,3
1	3,20	3,00	2,65	2,40	2,30	2,10	1,73	1,65	1,55	1,45
2	3,20	3,20	2,60	2,30	2,09	1,88	1,73	1,55	1,45	1,27
3			2,60	2,30	1,95	1,70	1,53	1,41	1,26	1,17
4				2,25	1,75	1,55	1,35	1,30	1,18	1,03
5					1,50	1,30	1,15	1,12	1,00	0,96
6						1,10	1,10	1,04	0,93	0,90
7							0,80	0,80	0,80	0,80
8								0,65	0,64	0,64
9									0,53	0,52
9,45*										0,47
↑R [m]	[ton]									

LC532_V202_0521 _BP_GANCIO_J7

CRANE PERFORMANCE: J6

[m] L →	2,6	2,7	3,7	4,7	5,7	6,7	7,7	8,7	9,7	10,3
1	3,20	3,00	2,65	2,40	2,30	2,10	1,73	1,65	1,55	1,45
2	3,20	3,20	2,60	2,30	2,09	1,88	1,73	1,55	1,45	1,27
3			2,60	2,30	1,95	1,70	1,53	1,41	1,26	1,17
4				1,70	1,65	1,50	1,35	1,30	1,18	1,03
5					1,10	1,10	1,10	1,00	1,00	0,96
6						0,80	0,80	0,80	0,80	0,80
7							0,60	0,60	0,60	0,60
8								0,48	0,48	0,48
9									0,40	0,40
9,45*										0,32
↑R [m]	[ton]									

LC532_V202_0521_BP_GANCIO_J6

SPX532 - MAIN BOOM

CRANE PERFORMANCE: J5

[m] L →	2,6	2,7	3,7	4,7	5,7
1	1,50	1,50	1,00	0,70	0,40
2	1,20	1,20	0,70	0,50	0,40
3			0,60	0,45	0,30
4				0,35	0,28
5					0,20
↑R [m]	[ton]				

LC532_V202_0521_BP_GANCIO_J5

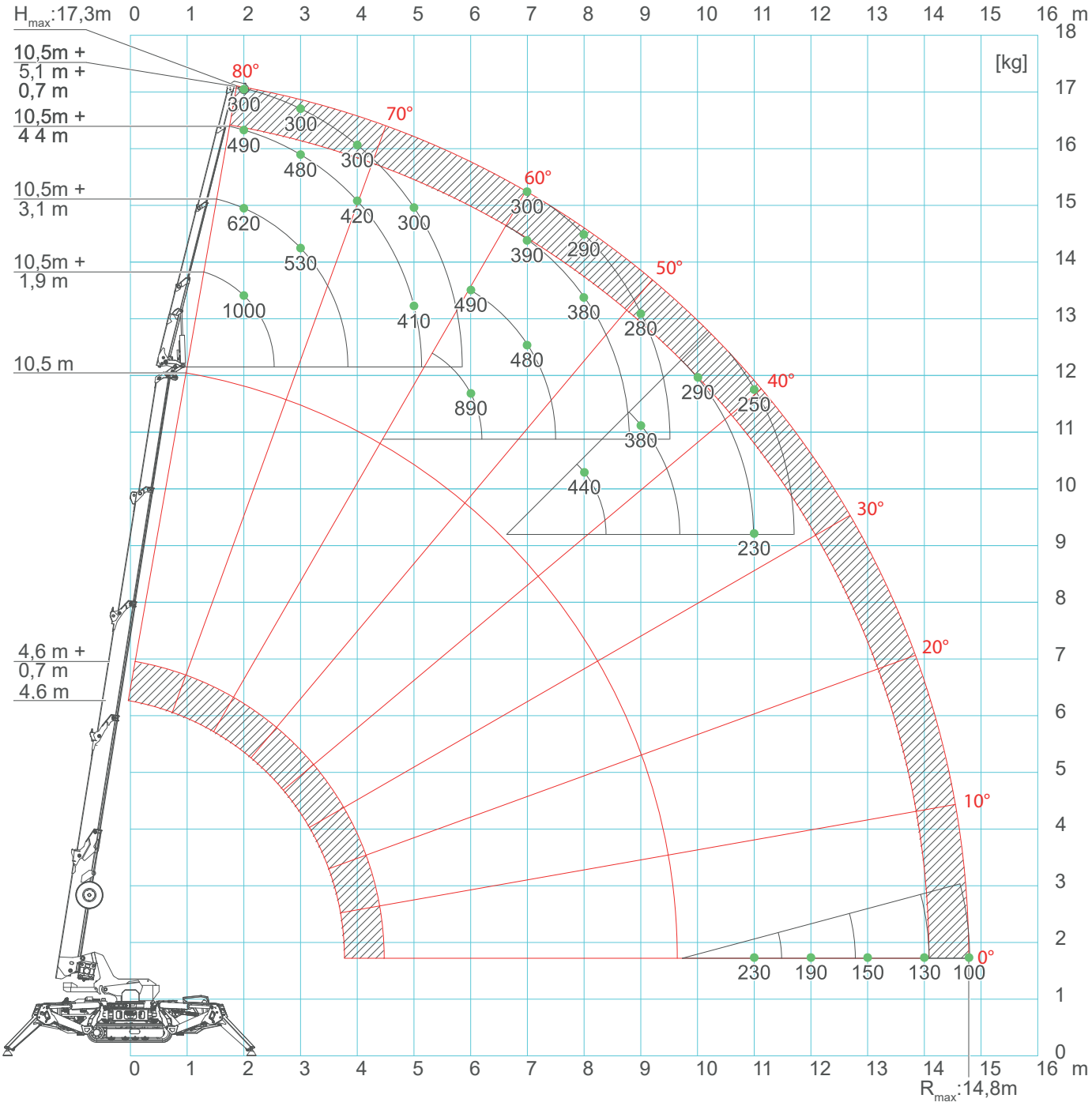
CRANE PERFORMANCE: J1

[m] L →	2,6	2,7
1	0,40	0,40
2		0,11
↑R [m]	[ton]	

LC532_V202_0521_BP_GANCIO_J1

*: Refers to hook configuration. Pulley configuration is 0,1m longer.

SPX532 - JIB1000.2H1MX



*: Refers to hook configuration. Pulley configuration is 0,1m longer.

SPX532 - JIB1000.2H1MX

CRANE PERFORMANCE: J7

[m] L_J →	1,9	3,1	4,4	5,1
1	1,00	0,70	0,50	0,46
2	1,00	0,62	0,49	0,40
3	1,00	0,53	0,48	0,35
4	1,00	0,51	0,42	0,33
5	1,00	0,50	0,41	0,32
6	0,89	0,49	0,40	0,31
7	0,67	0,48	0,39	0,30
8	0,44	0,40	0,38	0,29
9	0,38	0,38	0,34	0,28
10	0,29	0,29	0,29	0,25
11		0,23	0,23	0,23
12		0,19	0,19	0,19
13			0,15	0,15
14			0,14	0,13
14,8				0,10
↑R [m]	[ton]			

LC532_V202_0521 _JIB1000_GANCIO_J7

CRANE PERFORMANCE: J6

[m] L_J →	1,9	3,1	4,4	5,1
1	1,00	0,70	0,50	0,46
2	1,00	0,54	0,45	0,40
3	1,00	0,50	0,43	0,35
4	1,00	0,48	0,36	0,30
5	0,80	0,43	0,33	0,29
6	0,59	0,40	0,30	0,28
7	0,42	0,38	0,29	0,27
8	0,30	0,30	0,28	0,26
9	0,20	0,20	0,20	0,20
10	0,14	0,14	0,14	0,14
11	0,11	0,11	0,11	0,11
↑R [m]	[ton]			

LC532_V202_0521_JIB1000_GANCIO_J6

SPX532 - JIB1000.2H1MX

CRANE PERFORMANCE: J5

[m] L_J →	1,9	3,1	4,4	5,1
1	1,00	0,53	0,27	0,22
2	0,80	0,42	0,25	0,21
3	0,70	0,40	0,24	0,20
4	0,40	0,30	0,23	0,19
5	0,28	0,24	0,22	0,18
↑R [m]	[ton]			

LC532_V202_0521_JIB1000_GANCIO_J5

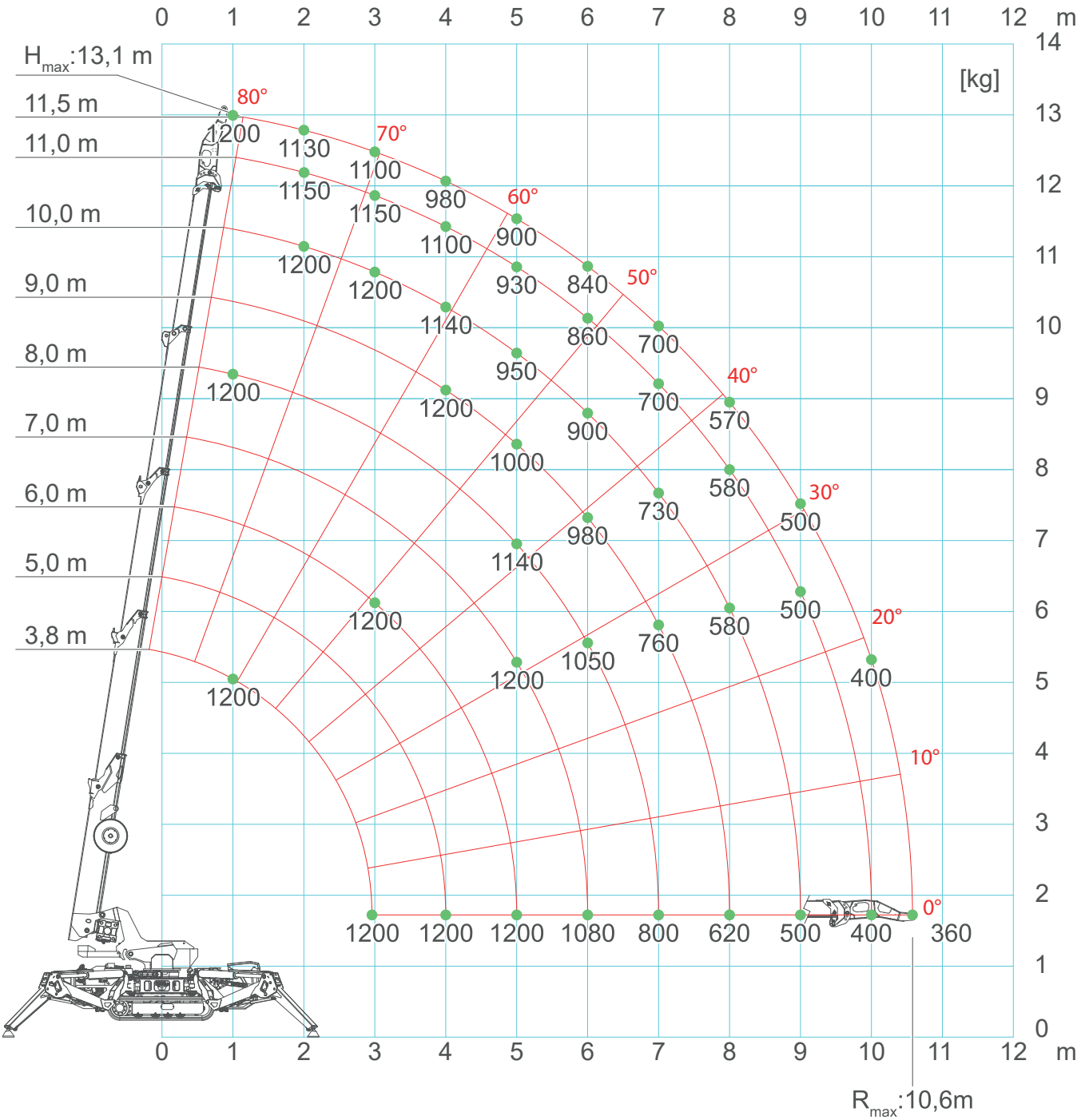
CRANE PERFORMANCE: J1

[m] L_J →	1,9
1	0,12
2	0,10
3	0,10
4	0,05
↑R [m]	[ton]

LC532_V202_0521_JIB1000_GANCIO_J1

*: With manual extension on maximum weight is limited to 300kg.

SPX532 - JIB1200GX



*: With manual extension on maximum weight is limited to 300kg.

SPX532 - JIB1200GX

CRANE PERFORMANCE: J7

[m] L →	2,6	2,7	3,7	4,7	5,7	6,7	7,7	8,7	9,7	10,3
L+L_J→	3,7	3,8	4,8	5,8	6,8	7,8	8,8	9,8	10,8	11,4
1	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25
2	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,15	1,13
3	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,15	1,10
4			1,25	1,25	1,25	1,25	1,25	1,14	1,10	0,98
5				1,25	1,25	1,14	1,00	0,95	0,93	0,90
6					1,04	1,00	0,98	0,90	0,86	0,84
7						0,78	0,76	0,73	0,70	0,70
8							0,61	0,58	0,58	0,57
9								0,49	0,49	0,49
10									0,40	0,40
10,5										0,35
↑R [m]	[ton]									

LC532_V202_0521 _JIB1200GX_GANCIO_J7

CRANE PERFORMANCE: J6

[m] L →	2,6	2,7	3,7	4,7	5,7	6,7	7,7	8,7	9,7	10,3
L+L_J→	3,7	3,8	4,8	5,8	6,8	7,8	8,8	9,8	10,8	11,40
1	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25
2	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,15	1,13
3	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,25	1,15	1,00
4			1,25	1,25	1,25	1,25	1,25	1,14	1,10	0,98
5				1,08	1,00	0,96	0,95	0,93	0,92	0,90
6					0,78	0,75	0,71	0,68	0,62	0,60
7						0,58	0,56	0,54	0,50	0,48
8							0,44	0,43	0,42	0,40
9								0,35	0,35	0,32
10									0,29	0,28
10,5										0,25
↑R [m]	[ton]									

LC532_V202_0521_JIB1200GX_GANCIO_J6

*: With manual extension on maximum weight is limited to 300kg.

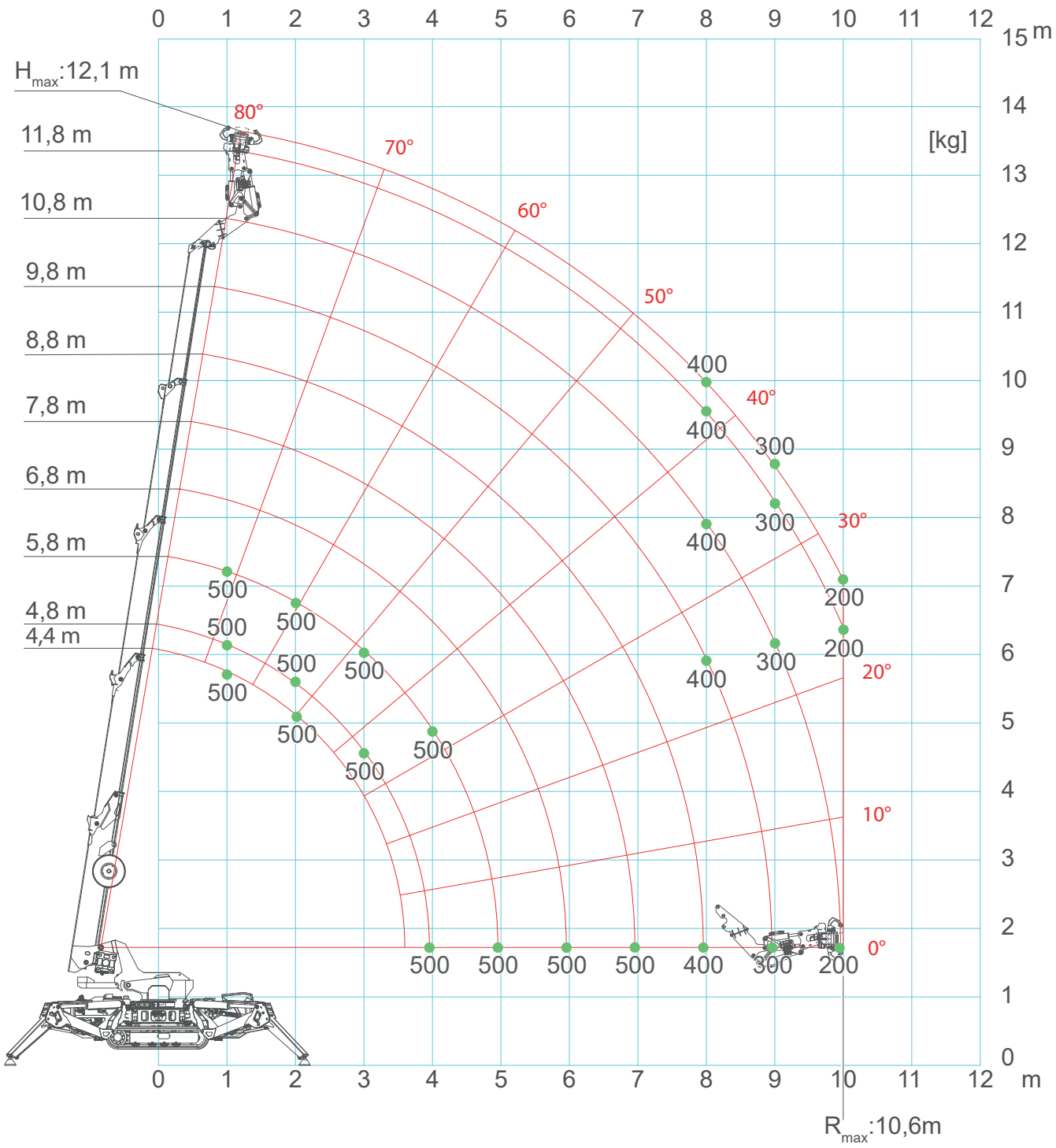
SPX532 - JIB1200GX

CRANE PERFORMANCE: J5

[m] L →	2,6	2,7	3,7	4,7
L+L$_J$ →	3,7	3,8	4,8	5,8
1	1,20	1,00	0,70	0,40
2	1,11	0,60	0,50	0,36
3	0,54	0,54	0,40	0,26
4			0,28	0,22
5				0,15
↑R [m]	[ton]			

LC532_V202_0521_JIB1200GX_GANCIO_J5

SPX532 - JIB500GR



SPX532 - JIB500GR

CRANE PERFORMANCE: J7

[m] L →	2,6	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	10,3
L+L_J→	4,4	4,7	5,7	6,7	7,7	8,7	9,7	10,7	11,7	12,0
1	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55
4	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55
5			0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55
6				0,55	0,55	0,55	0,55	0,55	0,55	0,55
7					0,55	0,55	0,55	0,55	0,55	0,55
8						0,40	0,40	0,39	0,39	0,39
9							0,29	0,28	0,28	0,28
10								0,20	0,20	0,20
↑R [m]	[ton]									

LC532_V202_0521_JIB1200GX_GANCIO_J7

CRANE PERFORMANCE: J6

[m] L →	2,6	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	10,3
L+L_J→	4,4	4,7	5,7	6,7	7,7	8,7	9,7	10,7	11,7	12,0
1	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55
4	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55
5			0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55
6				0,52	0,51	0,49	0,46	0,44	0,43	0,43
7					0,35	0,34	0,33	0,31	0,31	0,31
8						0,23	0,22	0,21	0,21	0,21
8,1										
↑R [m]	[ton]									

LC532_V202_0521_JIB1200GX_GANCIO_J6

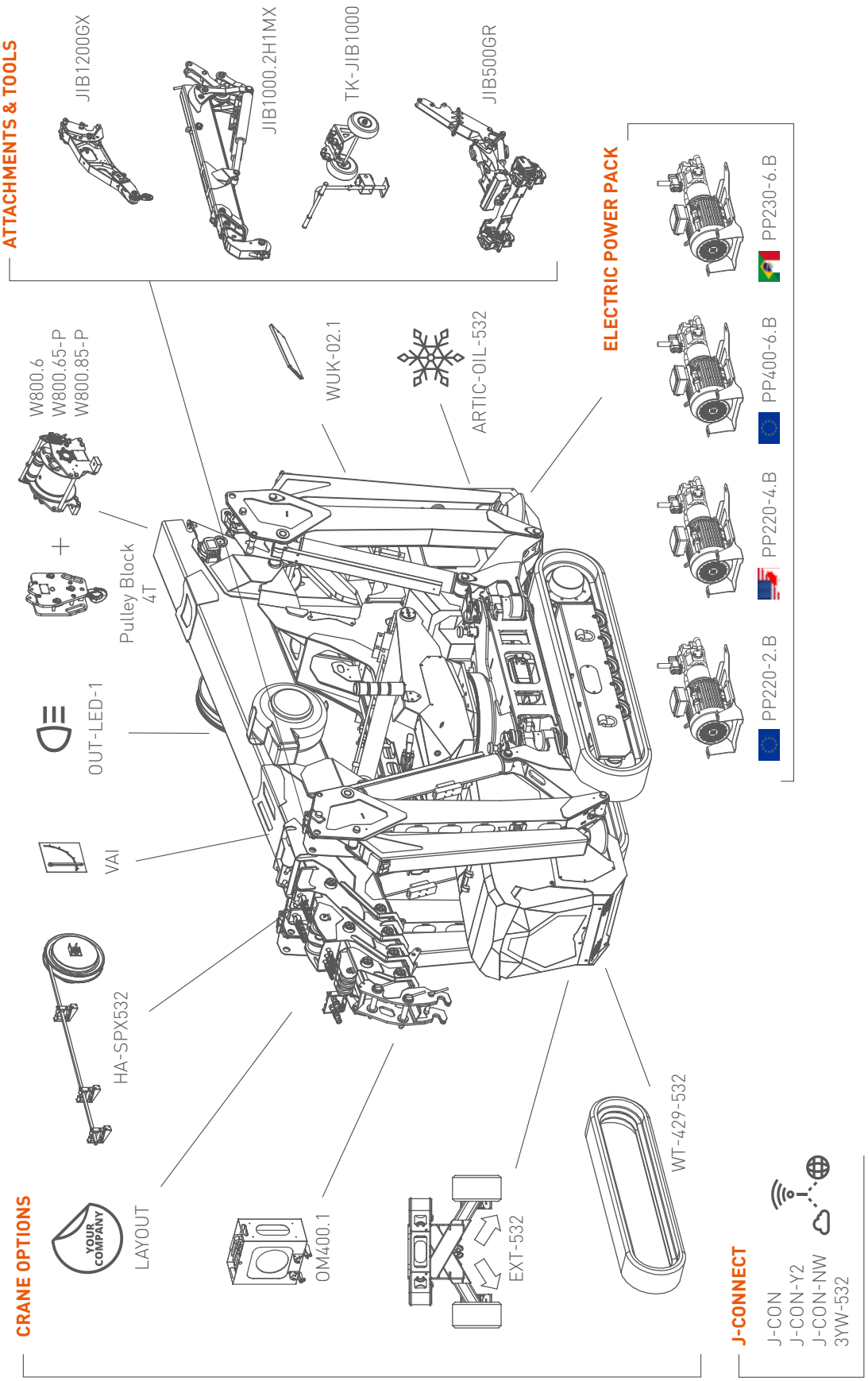
SPX532 - JIB1200GX

CRANE PERFORMANCE: J5

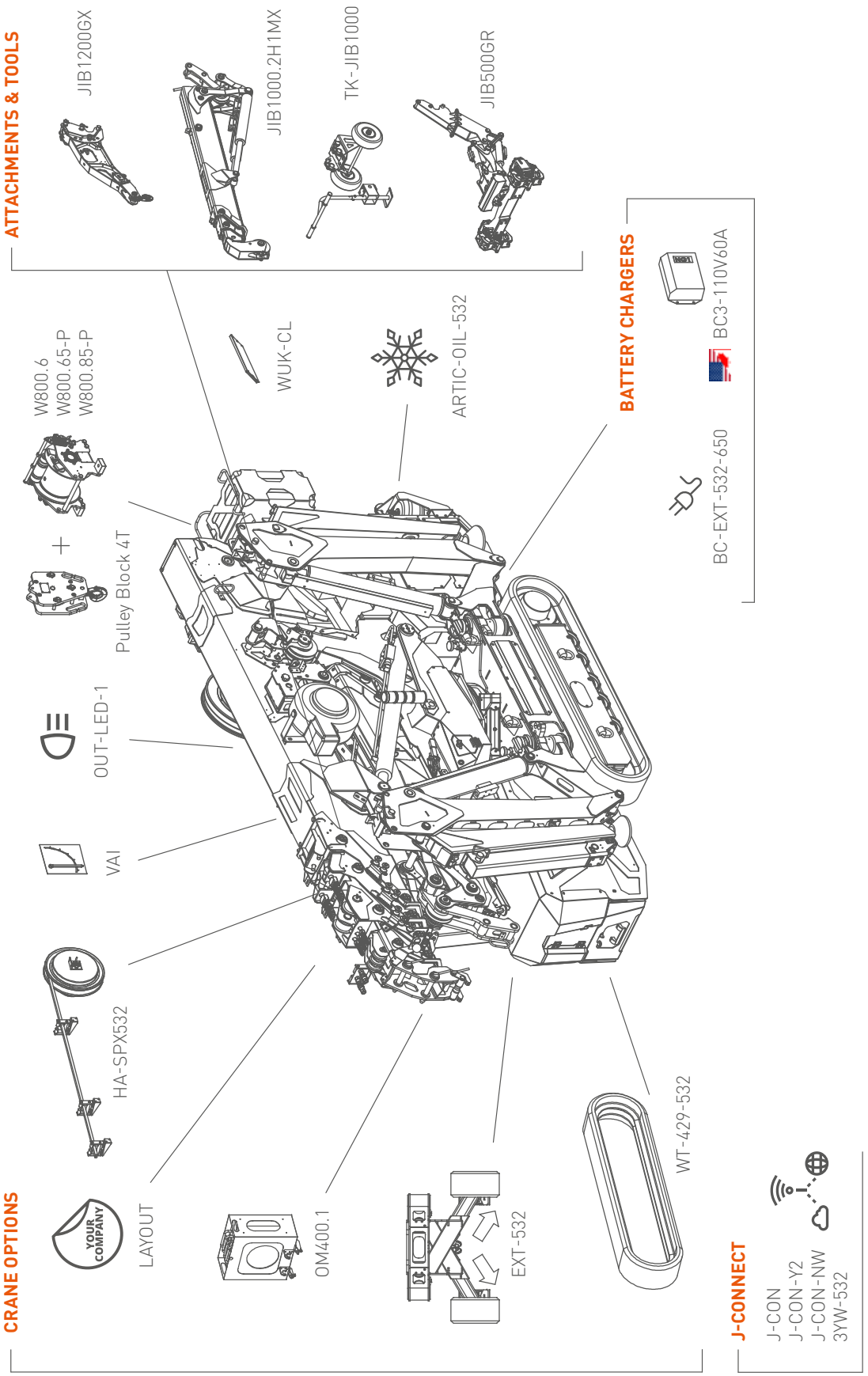
[m] L →	2,6	3,0	4,0
L+L_J →	3,7	4,1	5,1
1	0,55	0,55	0,55
2	0,55	0,55	0,55
3	0,55	0,40	0,40
4		0,30	0,30
5			0,20
↑R [m]	[ton]		

LC532_V202_0521_JIB1200GX_GANCIO_J5

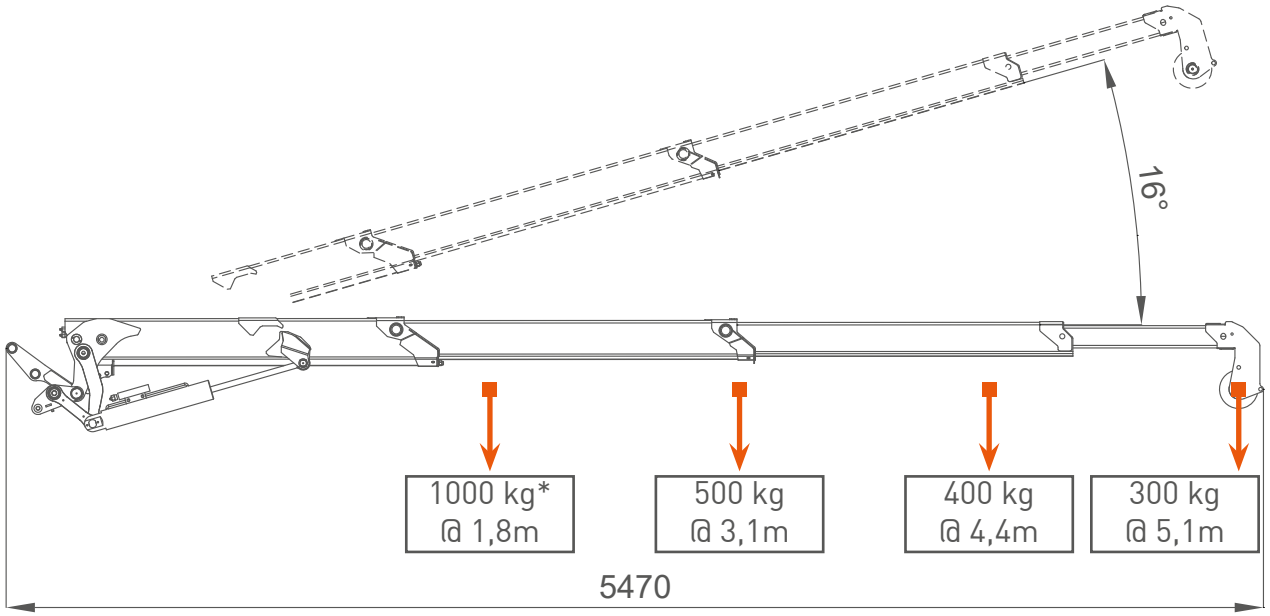
ACCESSORIES
SPX532CDH

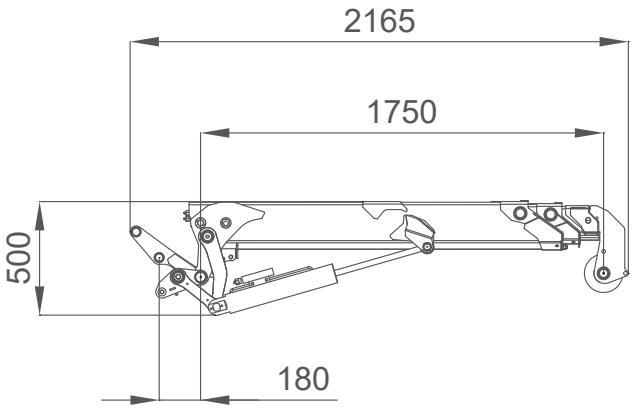


ACCESSORIES
SPX532CL



ACCESSORIES FEATURES
JIB1000.2H1MX

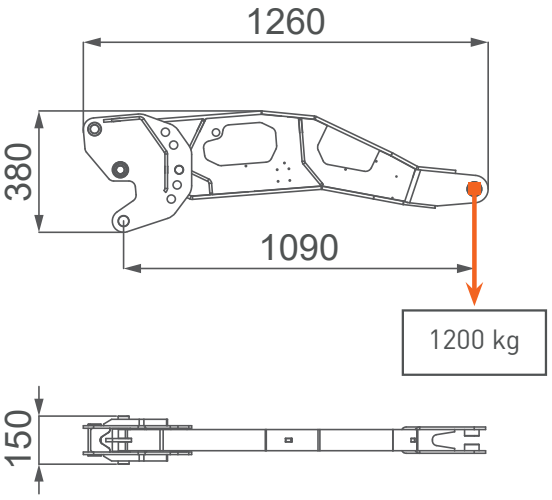


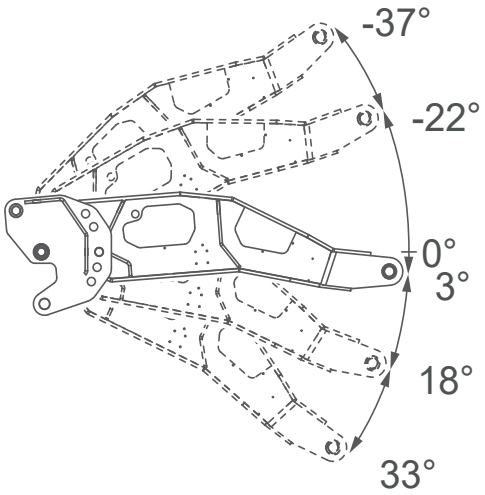


*: Maximum capacity using hook, with winch this is limited to single fall winch capacity (800 kg).

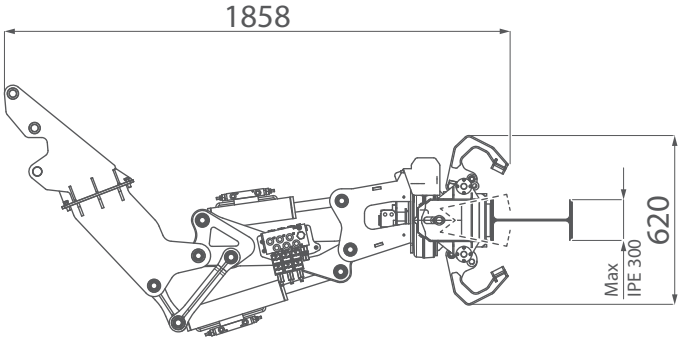
[mm]

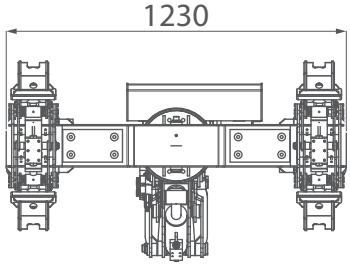
JIB1200GX

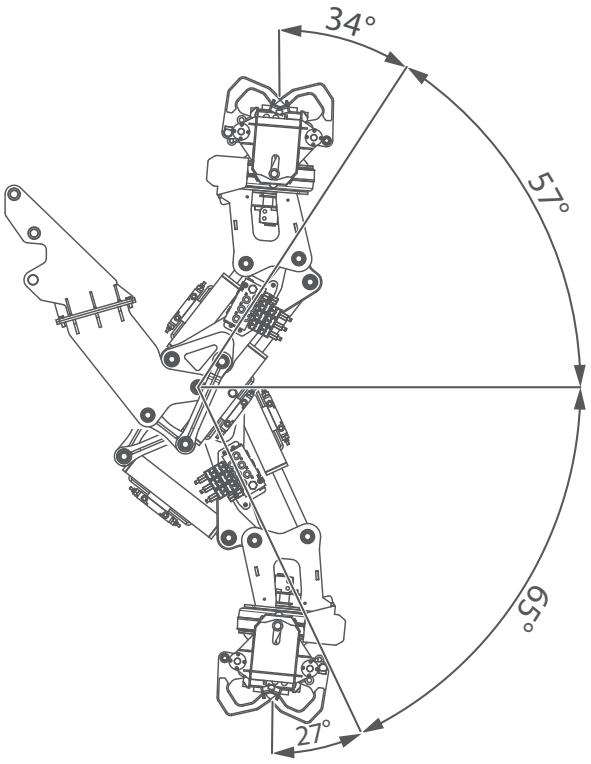




JIB500GR







[mm]

SYMBOLS


Weight


Engine


Boom Angle


Minipicker


Counterweight


Diesel Fuel


Boom Lenght


Back Wheel Loading Point


Crane


Petrol Fuel


Boom Radius


Front Wheel Loading Point


Dimensions


Tank


Jib on Board


Working Radius


Stabilization Area


Power


Without Jib on Board


Stabilizing Bar


Travel Speed


Battery


Jib Hook Radius


Standard


Gradeability


Lithium Battery


Jib Lenght and Angle


Factory max. load


Outrigger Load


Powerpack


Jib Lenght


Building site max. load


Track Loading


Main Winch


Jib Radius


Maximum inclination of the machinery


Outtriggers Setup


Hookblock


Manipulator Lenght


Hydraulic oil

Ext Tracks Width

Slewing

Manipulator Radius

Winter Warm-up Kit

Chart on Tracks

Slewing Locked

Number of vacuum pads

Horizontal Boom Angle

Slope

Outriggers mats

Grabber

White Pads for Steel Tracks

REMARKS REFERRING TO LOAD CHART

- The load charts are calculated according to EN 13000.
- For the calculation of the load charts at least a wind speed of 9m/s (33km/h) and regarding the load a sail area of 1m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
- Lifting capacities are given in kilograms.
- The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
- Working radii are mesured from the slewing centre.
- The lifting capacities given for the telescopic boom apply if the folding jib is removed.
- Subject to modification of lifting capacities.

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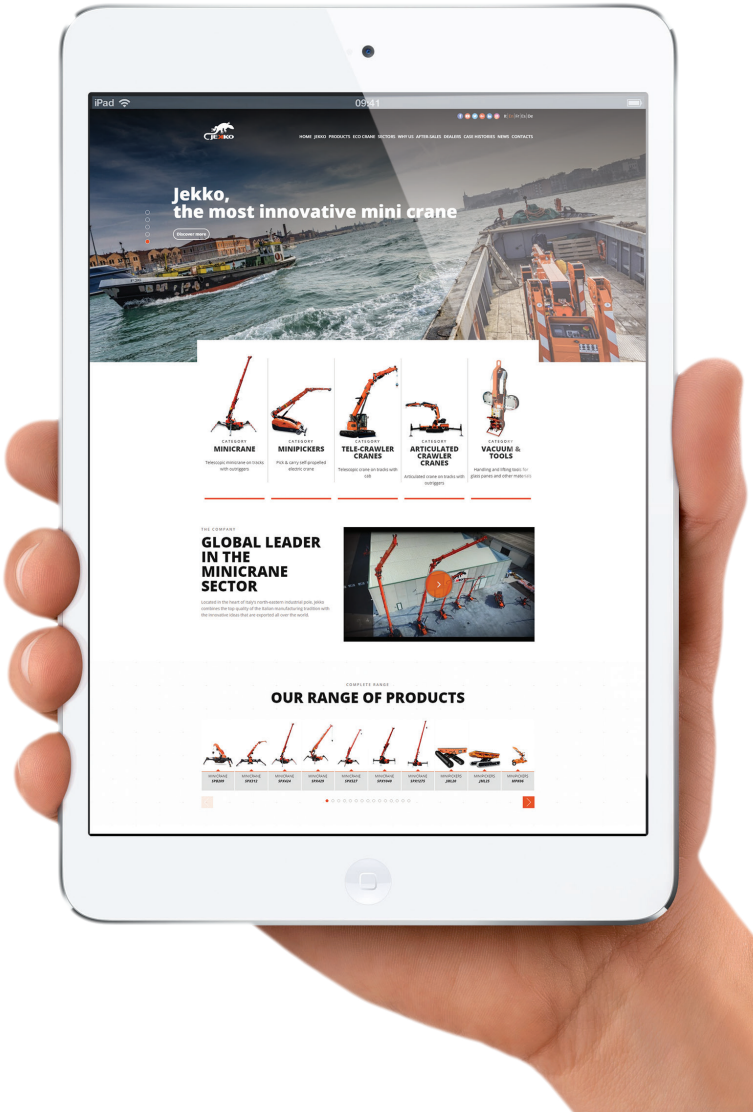
EN All specifications and features herein described can be changed without prior advice. All indicated data are indicative only and are not binding as crane performs differently depending on its use. **IT** Tutte le caratteristiche e le specifiche descritte possono essere soggette a variazioni senza preavviso. Tutti i dati riportati sono forniti a puro titolo informativo e non sono impegnativi dal momento che le prestazioni della macchina variano in funzione dell'utilizzo. **DE** Unangekündikte Änderungen sämtlicher Eigenschaften und Daten sind möglich. Alle Angaben sind Richtwerte und nicht verbindlich da die Leistungen der Vorrichtung von deren Einsatz abhägen. **ES** Todas las caracterìsticas y las especificaciones aquì indicadas pueden ser sujetas a variaciones sin aviso. Se dan todos los datos aquì indicados como simples informaciones. No se consideran como vinculantes, dado que las prestaciones del maquinario pueden variar. **FR** Toutes les caractéristiques et le spécifications descriptives peut être sujet à variation sans préavis. Tout les données rapportés sont fourni à titre informatif et ne sont pas engager au moment que la prestation de la machine change en function de l'emploi.



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28.02.2022 | Rev.10

SERIAL NUMBER:

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