

USER MANUAL
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TECHNICAL SHEET

D TECHNICAL SHEET



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D.1 CRANE'S TECHNICAL DATA

Versions			2S	3S	4S	5S	6S	3SJ3	
Max. net lifting moment			 <i>t m</i> <i>kNm</i>	15.3 150	14.9 146	14.4 142	14.0 138	13.6 134	12.9 126
Max. dynamic moment			 <i>daNm</i> <i>kNm</i>	20070 201					20590 206
Capacity at min. hydraulic outreach	hook [S2]	 <i>kg</i>	3310	3155	3010	2875	2750	1650	
	grab [S1]	 <i>kg</i>	3310	3155	3010	2875	2750	N/A	
Max rated capacity			 <i>m</i>	4.63	4.71	4.80	4.88	4.96	7.80
Capacity at max. hydraulic outreach	hook [S2]	 <i>kg</i>	1725	1270	950	710	530	425	
	grab [S1]	 <i>kg</i>	1725	1270	950	710	530	N/A	
	max.outreach	 <i>m</i>	8.53	10.66	12.80	15.03	17.26	18.30	
Capacity of 1st man. extension	capacity	 <i>kg</i>	1270	950	710	530	400	320	
	max.outreach	 <i>m</i>	10.91	12.96	15.11	17.26	19.36	19.90	
Max. load height above the base for the last extension	hydraulic	 <i>m</i>	10.8	13.0	15.1	17.3	19.6	20.5	
	manual	 <i>m</i>	17.3	19.6	21.7	21.7	21.7	23.9	
Weight of crane without stabilizers			 <i>kg</i>	1740	1870	1990	2100	2195	2360
Weight of stabilizers			ST-M <i>kg</i>	250					
			EX-M <i>kg</i>	340					
			EX-H <i>kg</i>	375					
			SE-H <i>kg</i>	410					
Weight of 1st man. extension			 <i>kg</i>	87	76	65	38	42	30/20
Max. working pressure			 <i>bar</i>	300					315
Max. oil flow rate			 <i>l/min</i>	40					
			 <i>l/min</i>	60					
Max. power needed			 <i>kW</i>	26.0					27.3
			 <i>kW</i>	39.0					41.0
Oil tank capacity			 <i>l</i>	130					
Slewing angle			 <i>°</i>	425°					
Gross slewing torque			 <i>daNm</i> <i>kNm</i>	2170 21.7					
Max. base inclination			 <i>°</i>	4°					3°
			 <i>°</i>	3°					N/A
Max boom inclination for use with CE winch			<i>°</i>	75°					N/A
Max. stabilizer force on the ground with stabilizers fully extended			ST <i>daN</i>	10280					10550
			EX <i>daN</i>	7865					8070
			SE <i>daN</i>	6370					6535
Max. stabilizer pressure on the ground with stabilizers fully extended			ST <i>MPa</i>	4.0					4.1
			EX <i>MPa</i>	3.1					3.2
			SE <i>MPa</i>	2.5					2.6
Lifting conversion factor, k			<i>kgm/bar</i>	61.79					
Distribution factor of dyn. moment on base, β			-	0.70					
Position of standard dead point (see D.6)									

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D.2 WINCH SETTINGS

T11 - SINGLE LINE PULL

Versions		2S	3S	4S	5S	6S	3SJ3
 Max line pull	kg	1000	1000	1000	1000	1000	N/A

T11 - DOUBLE LINE PULL

Versions		2S	3S	4S	5S	6S	3SJ3
 Max line pull	kg	1000	1000	1000	1000 (*)	1000 (*)	N/A
Start angle - pull%		-	-	-	65°-80%	65°-75%	-
Final angle - pull%					75°-80%	75°-75%	

T12 - SINGLE LINE PULL

Versions		2S	3S	4S	5S	6S	3SJ3
 Max line pull	kg	2000	2000	2000	2000 (*)	2000 (*)	N/A
Start angle - pull%		-	-	-	60°-65%	60°-60%	-
Final angle - pull%					75°-60%	75°-55%	

N/A: configuration not available

(*): configuration requiring pull derating: available only for CE/TOP cranes (PCS)

Pull%: pull derating percentage



When the crane is equipped with winch, the max. working pressure and the limiter setting pressure are increased by 10 bar with respect to the standard ones.

D.3 TOTAL WEIGHTS

The table shows the total weights including oil inside the cylinders (fully retracted) and considering oil tank empty.

kg	Crane version					
Type of stabilizers	2S	3S	4S	5S	6S	3SJ3
ST-M	1990	2120	2240	2350	2445	2610
EX-M	2080	2210	2330	2440	2535	2700
EX-H	2115	2245	2365	2475	2570	2735
SE-H	2150	2280	2400	2510	2605	2770

Additional weight for T11 winch: 95 kg

Additional weight for T12 winch: 150 kg

Additional weight of 1st extra function activated with slides: 8 kg pro hydraulic extension

Additional weight of 2nd extra function activated with slides: 2 kg pro hydraulic extension

Additional weight of 1st extra function activated with hose reel: 20 kg

Additional weight of 2nd extra function activated with hose reel: 10 kg

The weights may vary by ±3%

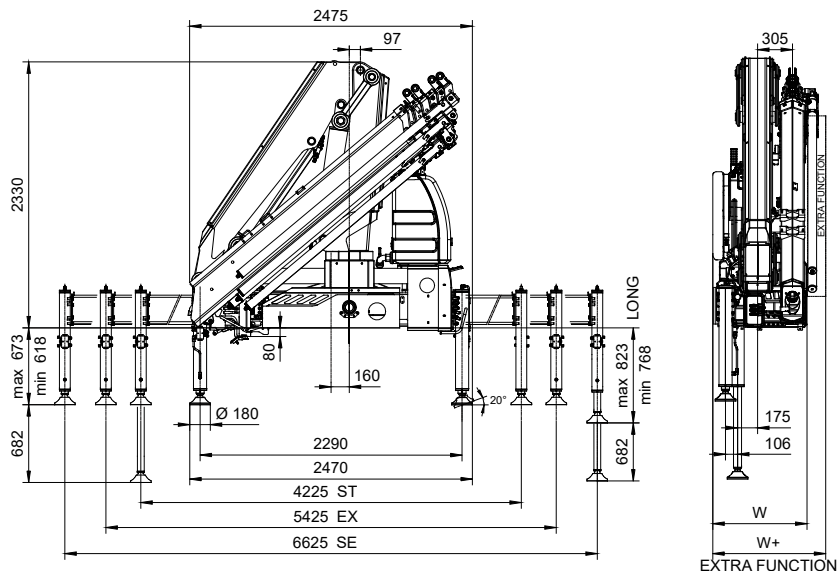
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D.4 OVERALL DIMENSIONS

FIXED STABILIZERS LEGS

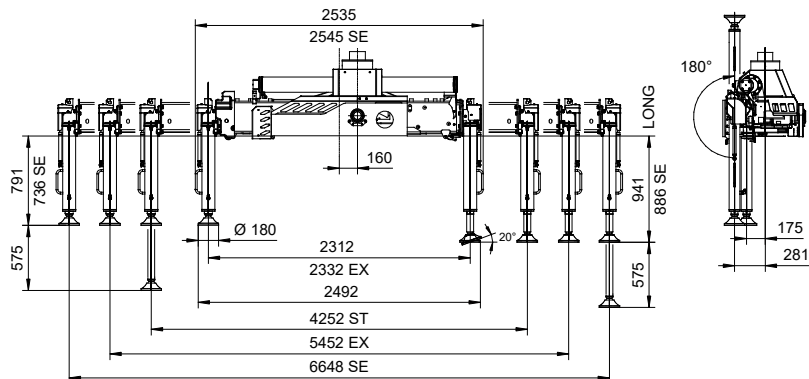


	2S	3S	4S	5S	6S
W (mm)	825	825	825	905	905
W+ (mm)	940 (*)	940 (*)	940 (*)	985 (**)	985 (**)

(*) activations with slides

(**) activations with hose reel

TURNING STABILIZERS LEGS



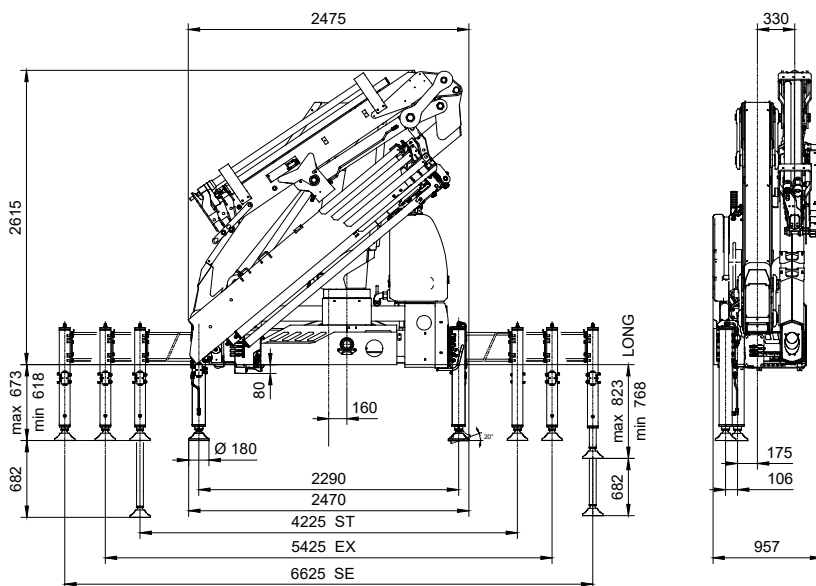
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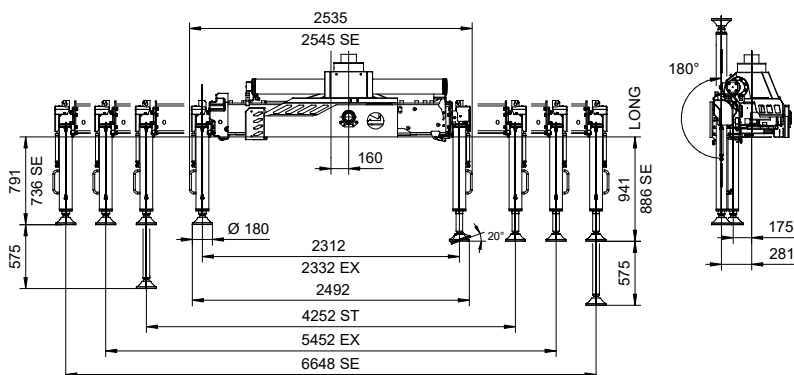
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OVERALL DIMENSIONS 3SJ3

FIXED STABILIZERS LEGS



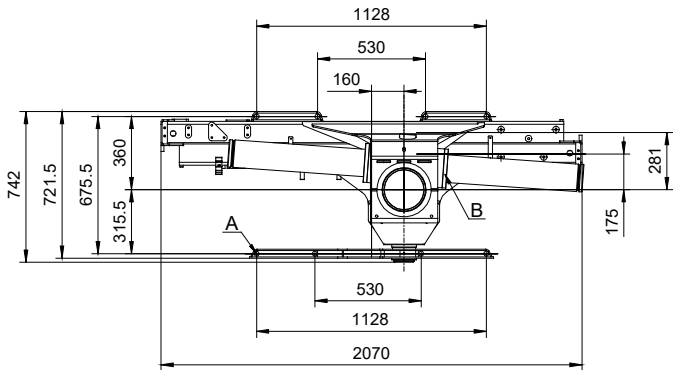
(MANUAL) TURNING STABILIZERS LEGS



AUTOMATIC TURNING STABILIZERS LEGS??

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D.5 BASE DIMENSIONS AND MOUNTING BOLTS

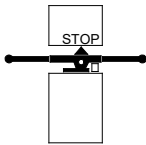
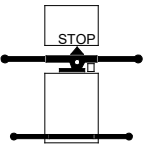
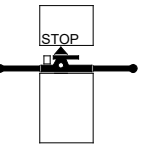
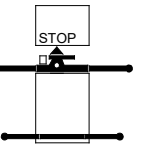
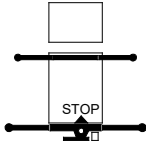
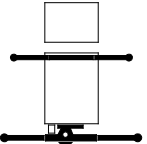
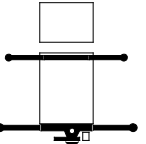
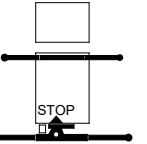
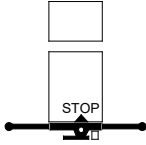
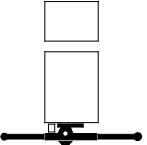
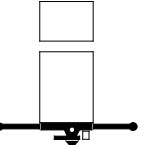
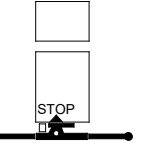
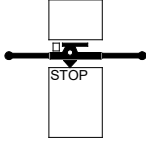
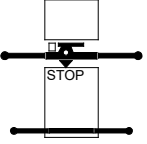
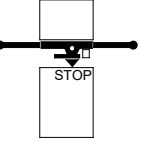
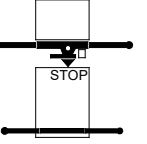


Ref.	Description	Q.ty	Material Grade	Size	Tightening torque
A	Kit with 8 mounting bolts	8	42CrMo4+QT EN 10083-3	M24x2 L=1100	400 Nm
	Kit with 4 mounting bolts	4	42CrMo4+QT EN 10083-3	M30x2 L=600	700 Nm
B	Fixing bolts for each slewing cylinder	10	8.8	M14x2 L=65	80 Nm

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D.6 INSTALLATION TYPE NUMBER

Installation types numbers (ITN) for cranes with standard dead point (STOP) toward swivel bridge.

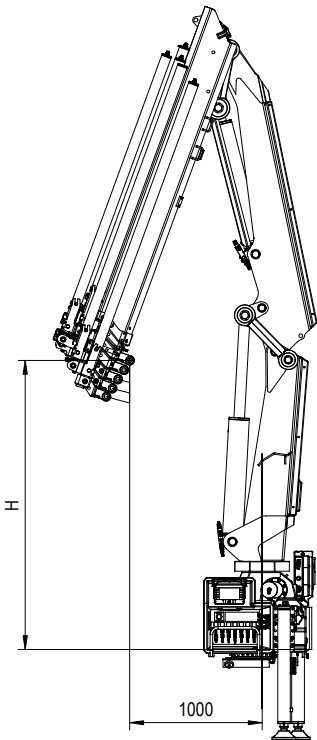
OPPOSITE DEAD POINT		STANDARD DEAD POINT	
1 	2 	3 	4 
5 	6 	7 	8 
9 	10 	11 	12 
13 	14 	15 	16 

Legend:

- ▲ : position of dead point (STOP)
- : position of main manual controls (on column side)

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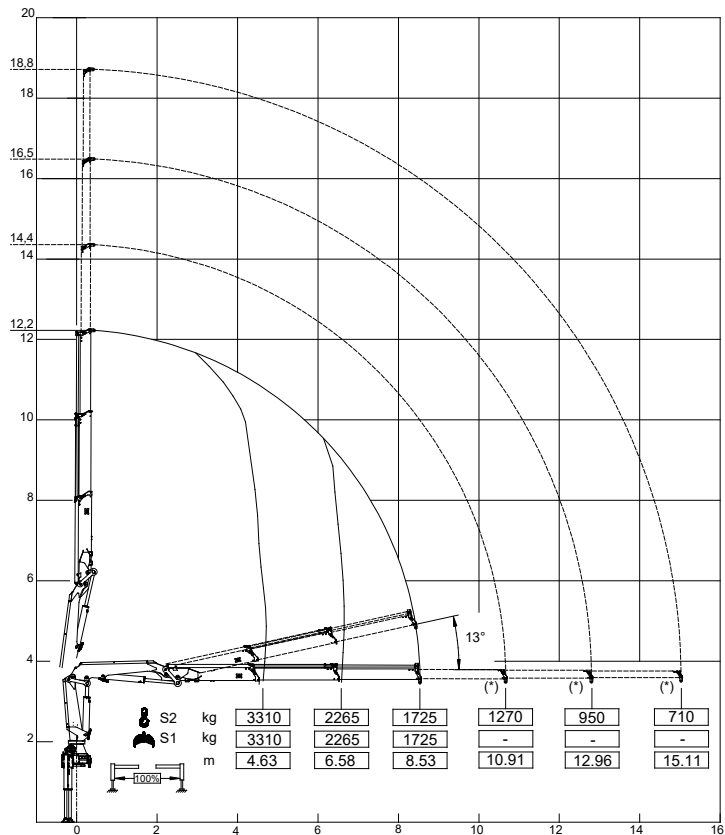
D.7 LIFTING HEIGHT CLOSE TO THE COLUMN



Version	H mm
2S	2189
3S	2106
4S	2023
5S	1943
6S	1869

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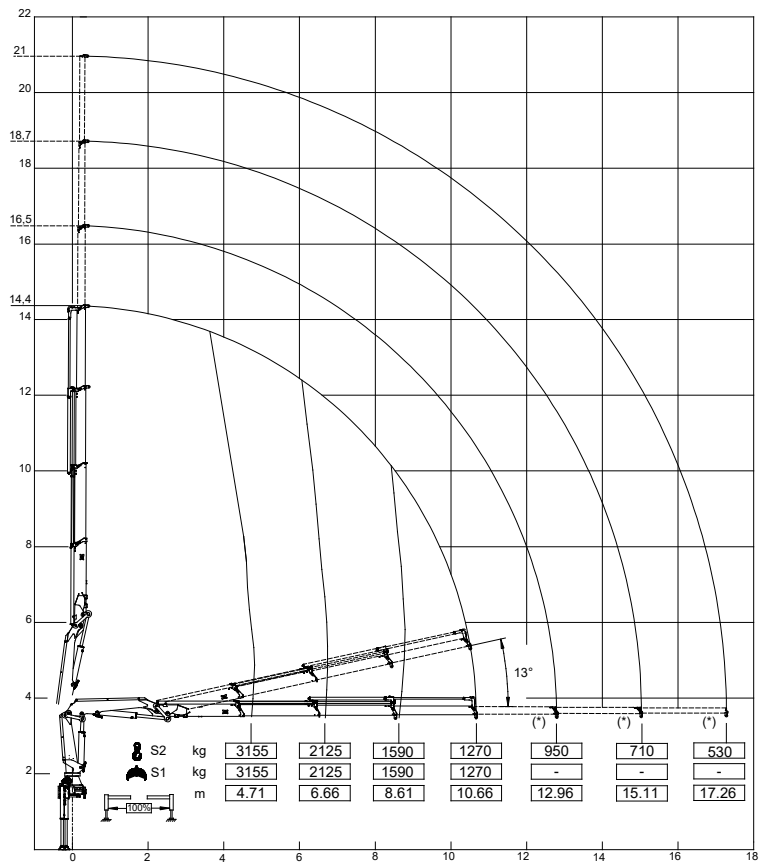
D.8 LOAD CHARTS FOR USE WITH HOOK/TOOL
917NG 2S



(*) Manual extensions (optional): these cannot lift additional hydraulic tools
If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight

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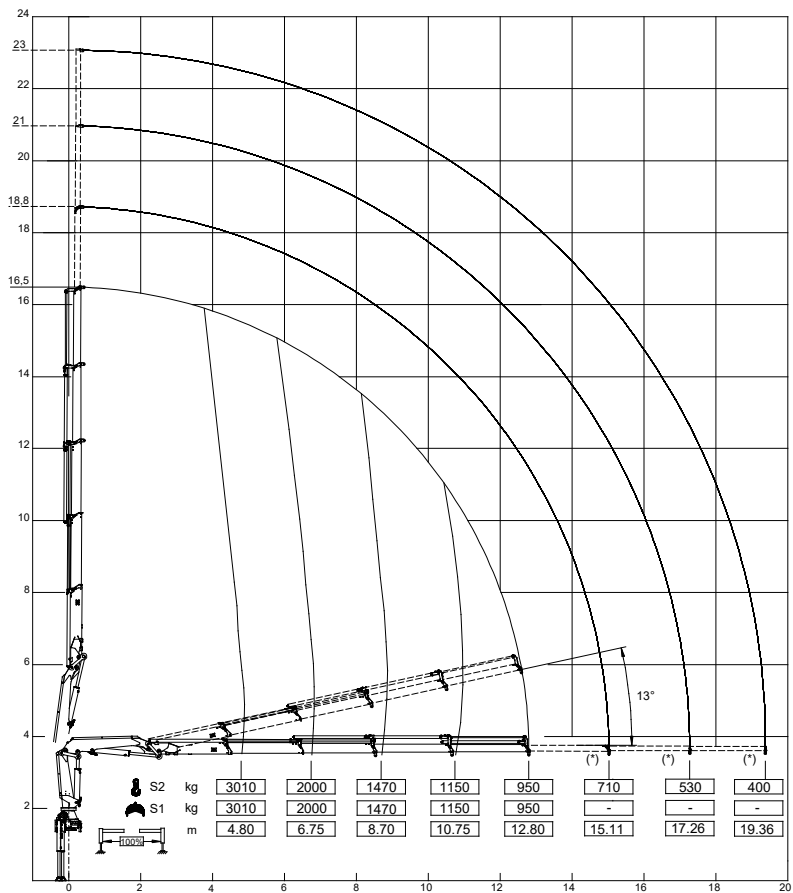
LOAD CHART FOR USE WITH HOOK/TOOL
917NG 3S



(*) Manual extensions (optional): these cannot lift additional hydraulic tools
If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight

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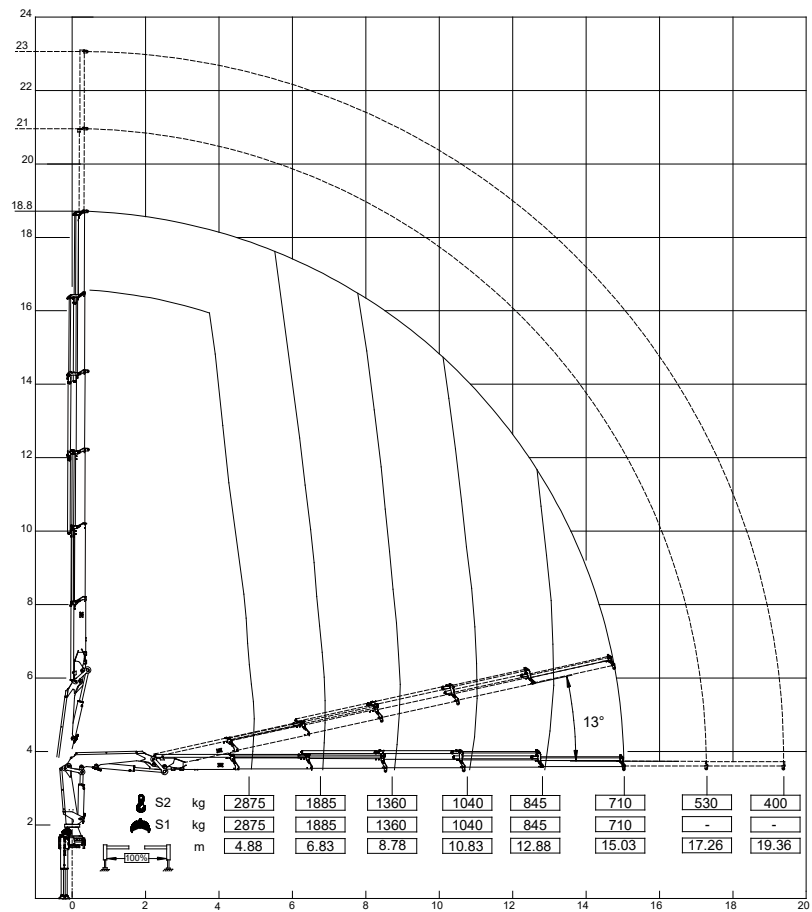
LOAD CHART FOR USE WITH HOOK/TOOL
917NG 4S



(*) Manual extensions (optional): these cannot lift additional hydraulic tools
If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight

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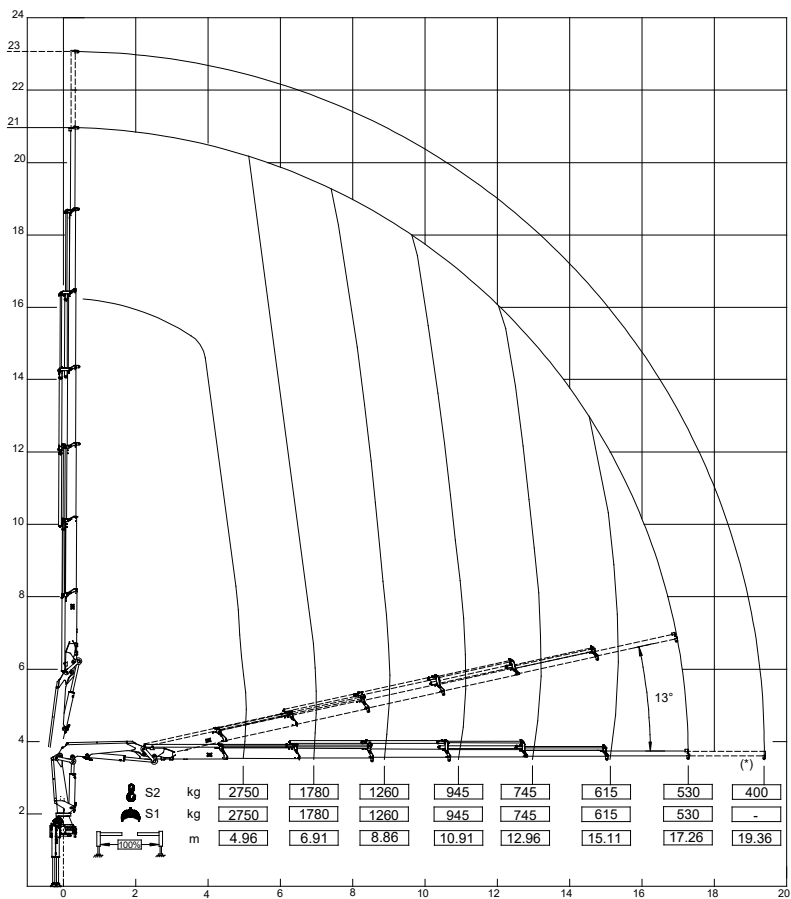
LOAD CHART FOR USE WITH HOOK/TOOL
917NG 5S



(*) Manual extensions (optional): these cannot lift additional hydraulic tools
If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight

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LOAD CHART FOR USE WITH HOOK/TOOL
917NG 6S



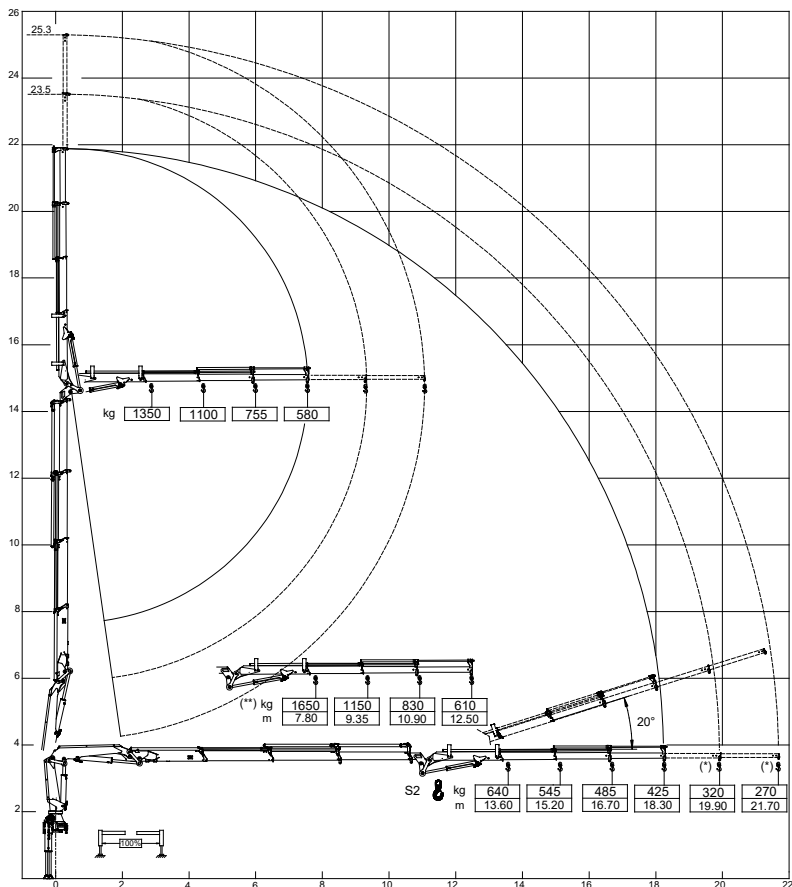
(*) Manual extension (optional): this cannot lift additional hydraulic tools
If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight

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LOAD CHART FOR USE WITH HOOK 917NG 3SJ3



(*) Manual extensions (optional): these cannot lift additional hydraulic tools

(**) Max. lifting capacity of jib

The given rated capacities can be moved only by operating the jib.

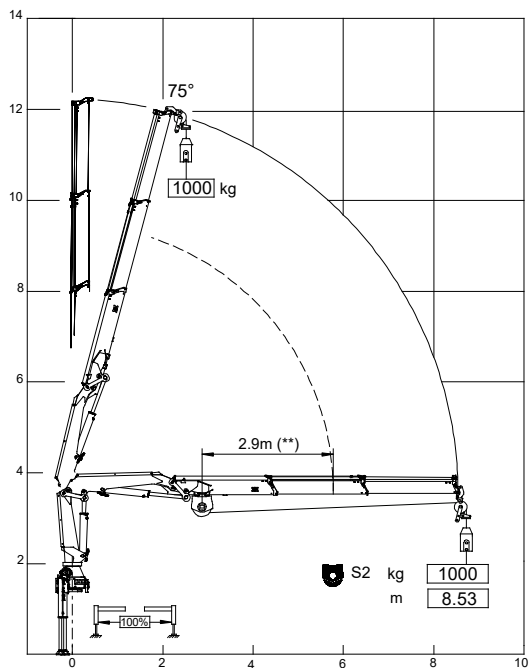
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D.9 LOAD CHARTS FOR T11 WINCH IN SINGLE LINE

917NG 2S + T11 SINGLE LINE



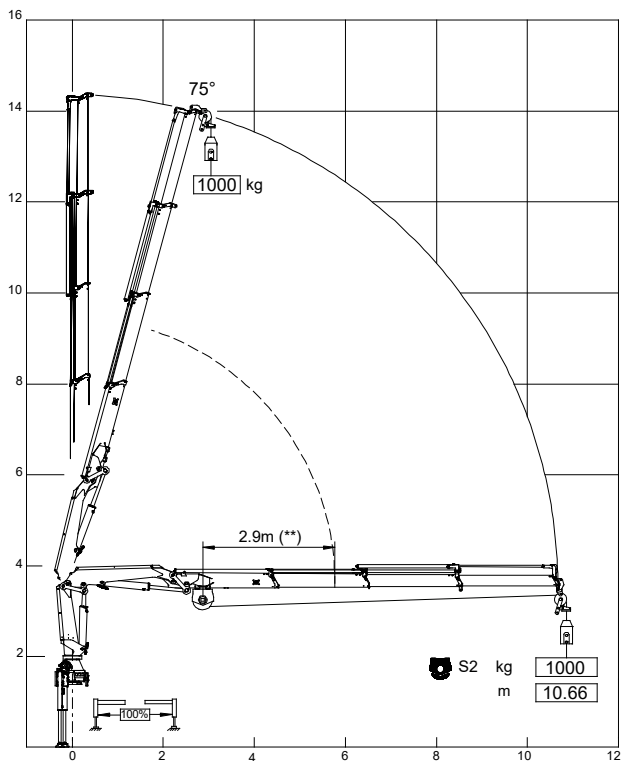
(**) Minimum distance winch - pulley
Winch max. pull: 1000 kg

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LOAD CHART FOR WINCH T11 IN SINGLE LINE 917NG 3S + T11 SINGLE LINE



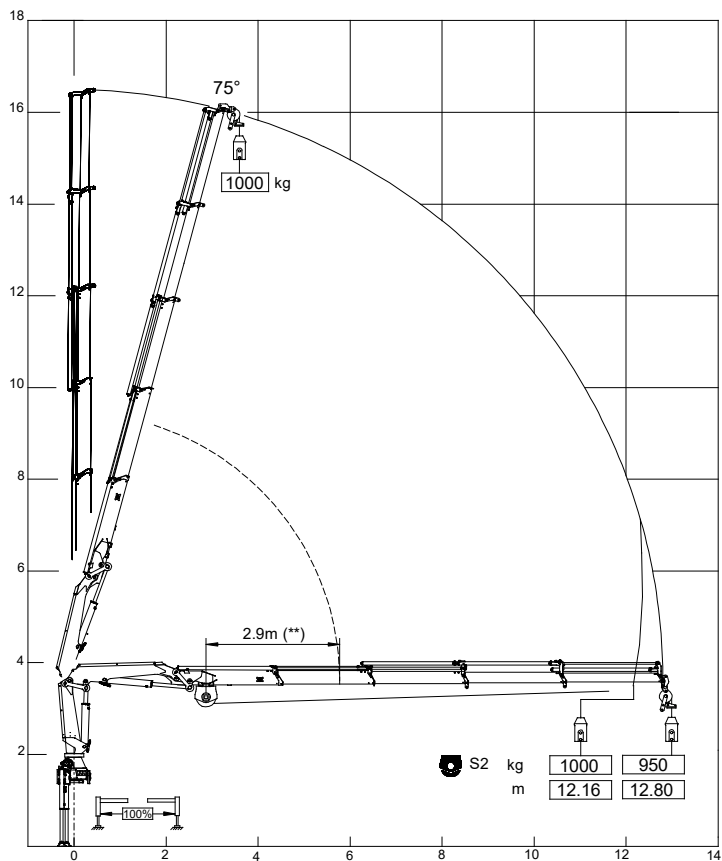
(**) Minimum distance winch - pulley
Winch max. pull: 1000 kg

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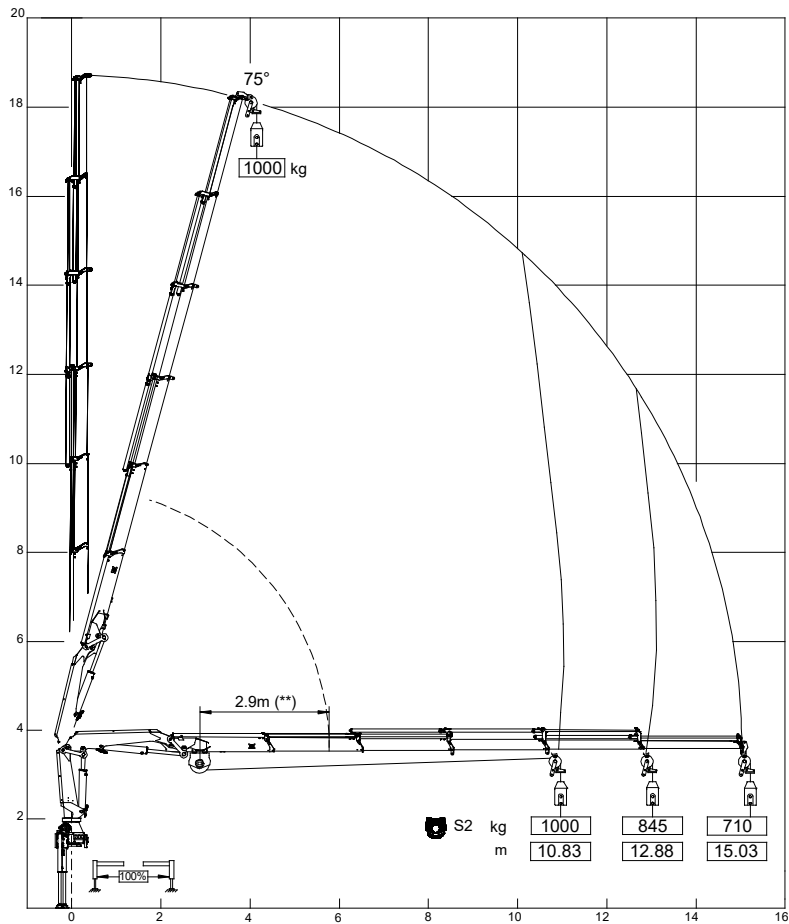
LOAD CHART FOR WINCH T11 IN SINGLE LINE 917NG 4S + T11 SINGLE LINE



(**) Minimum distance winch - pulley
Winch max. pull: 1000 kg

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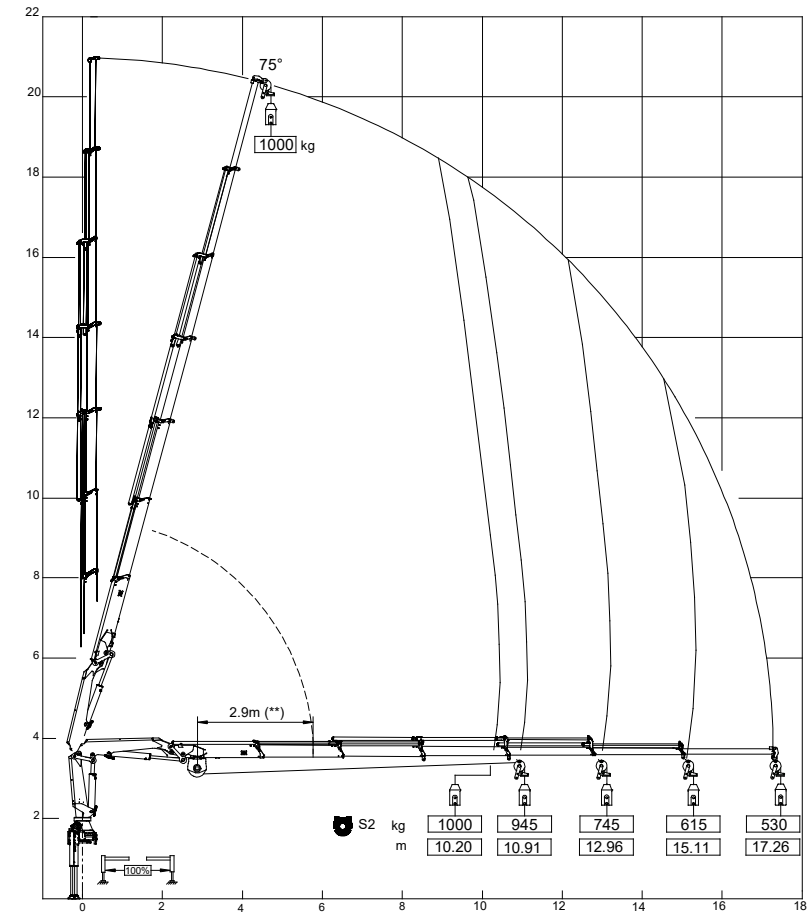
LOAD CHART FOR WINCH T11 IN SINGLE LINE
917NG 5S + T11 SINGLE LINE



(**) Minimum distance winch - pulley
Winch max. pull: 1000 kg

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LOAD CHART FOR WINCH T11 IN SINGLE LINE
917NG 6S + T11 SINGLE LINE



(**) Minimum distance winch - pulley
Winch max. pull: 1000 kg

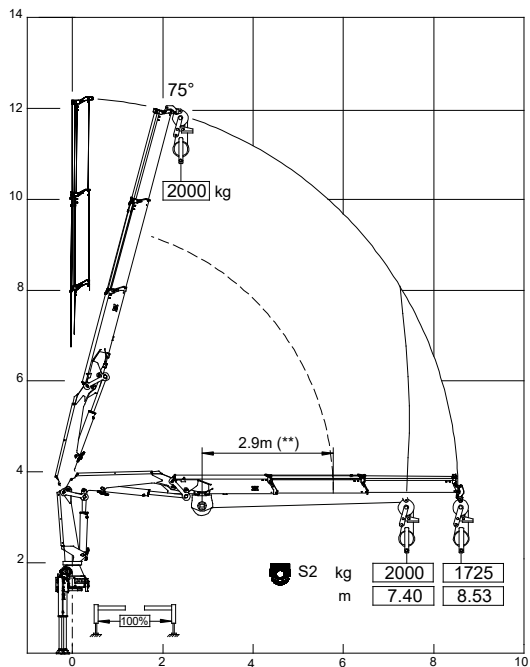
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D.10 LOAD CHARTS FOR T11 WINCH IN DOUBLE LINE

917NG 2S + T11 DOUBLE LINE



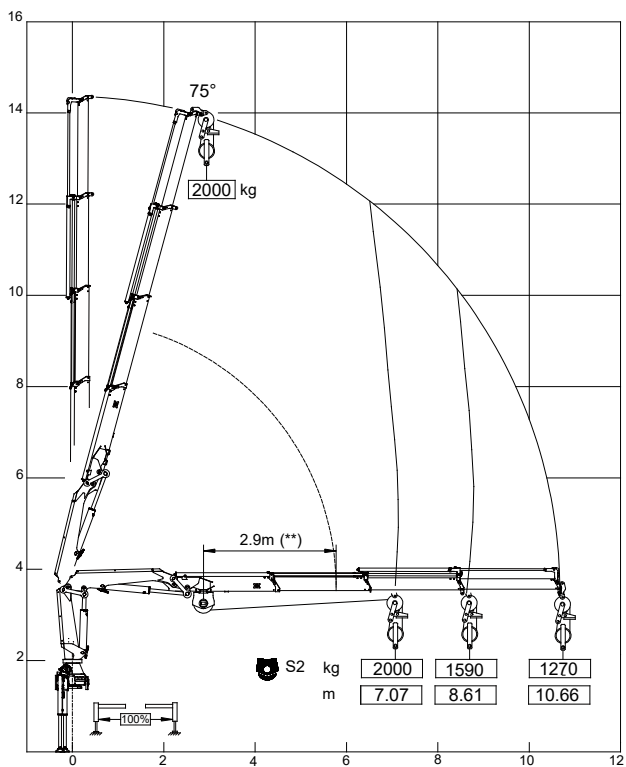
(**) Minimum distance winch - pulley
Winch max. pull: 1000 kg

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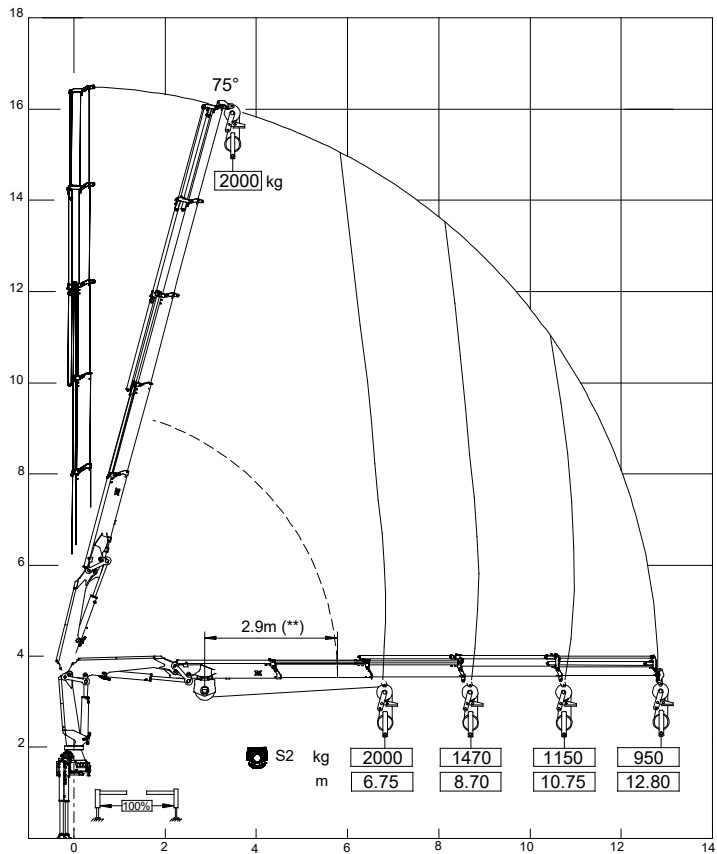
LOAD CHART FOR WINCH T11 IN DOUBLE LINE 917NG 3S + T11 DOUBLE LINE



(**) Minimum distance winch - pulley
Winch max. pull: 1000 kg

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LOAD CHART FOR WINCH T11 IN DOUBLE LINE
917NG 4S + T11 DOUBLE LINE



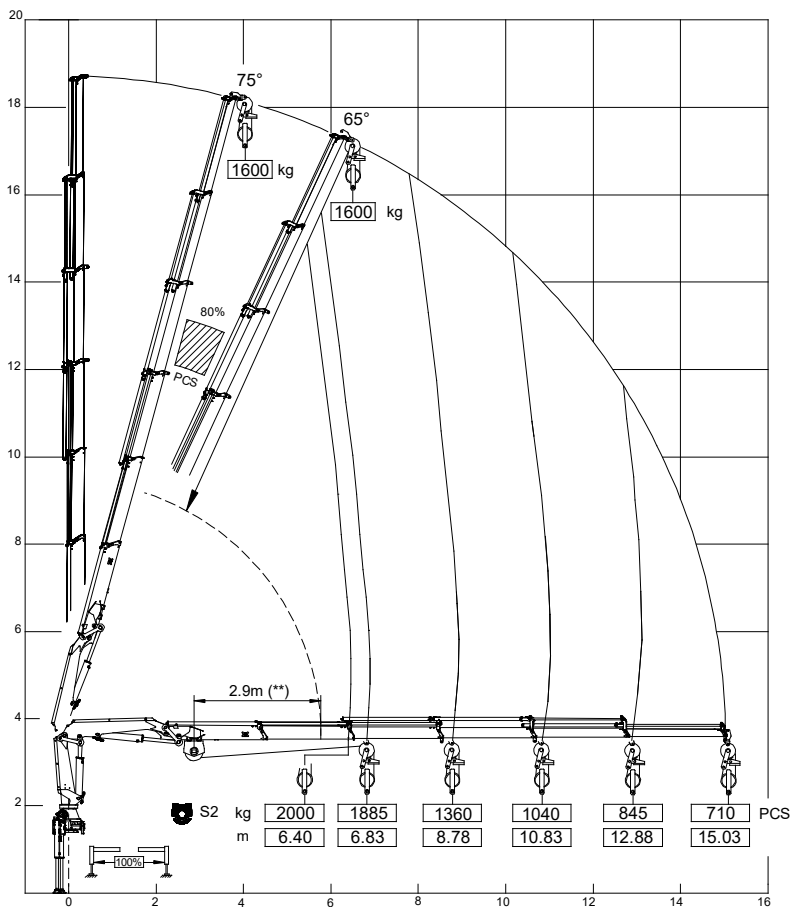
(**) Minimum distance winch - pulley
Winch max. pull: 1000 kg

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LOAD CHART FOR WINCH T11 IN DOUBLE LINE 917NG 5S + T11 DOUBLE LINE



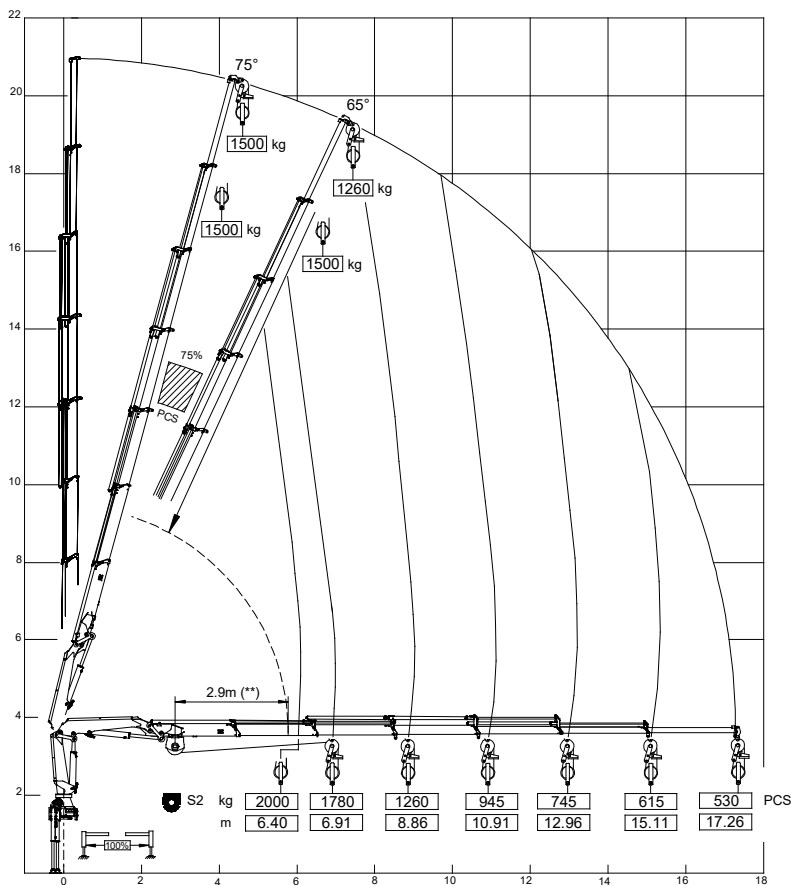
(**) Minimum distance winch - pulley
Winch max. pull with PCS: 1000 kg
PCS: Pull Control System, present on CE/TOP cranes

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LOAD CHART FOR WINCH T11 IN DOUBLE LINE 917NG 6S + T11 DOUBLE LINE



(**) Minimum distance winch - pulley
Winch max. pull with PCS: 1000 kg
PCS: Pull Control System, present on CE/TOP cranes

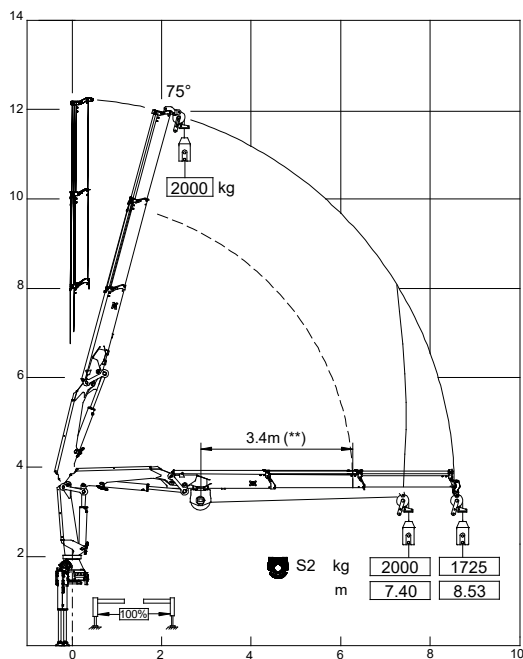
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D.11 LOAD CHARTS FOR T12 WINCH IN SINGLE LINE

917NG 2S + T12 SINGLE LINE



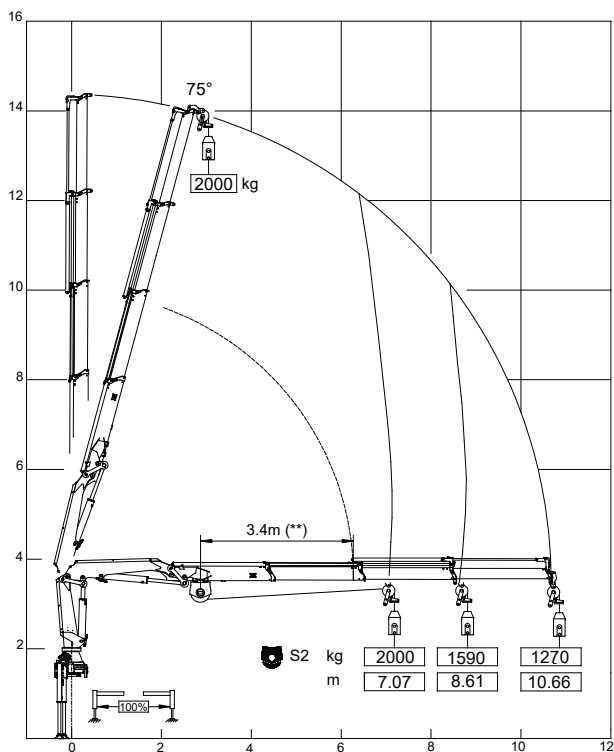
(**) Minimum distance winch - pulley
Winch max. pull: 2000 kg

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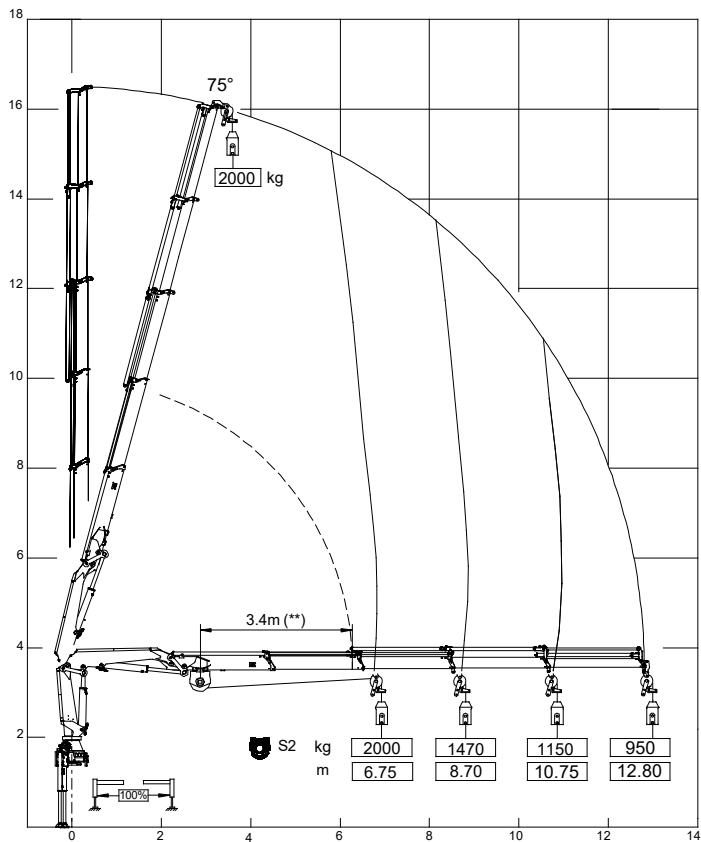
LOAD CHART FOR WINCH T12 IN SINGLE LINE 917NG 3S + T12 SINGLE LINE



(**) Minimum distance winch - pulley
Winch max. pull: 2000 kg

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LOAD CHART FOR WINCH T12 IN SINGLE LINE
917NG 4S + T12 SINGLE LINE



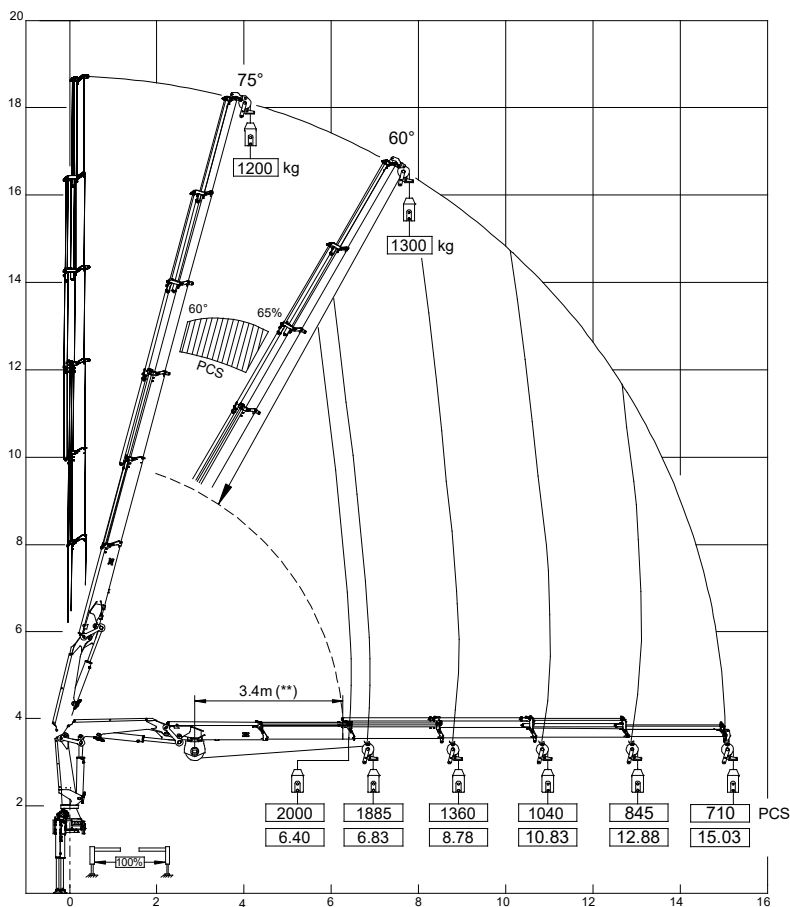
(**) Minimum distance winch - pulley
Winch max. pull: 2000 kg

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LOAD CHART FOR WINCH T12 IN SINGLE LINE 917NG 5S + T12 SINGLE LINE



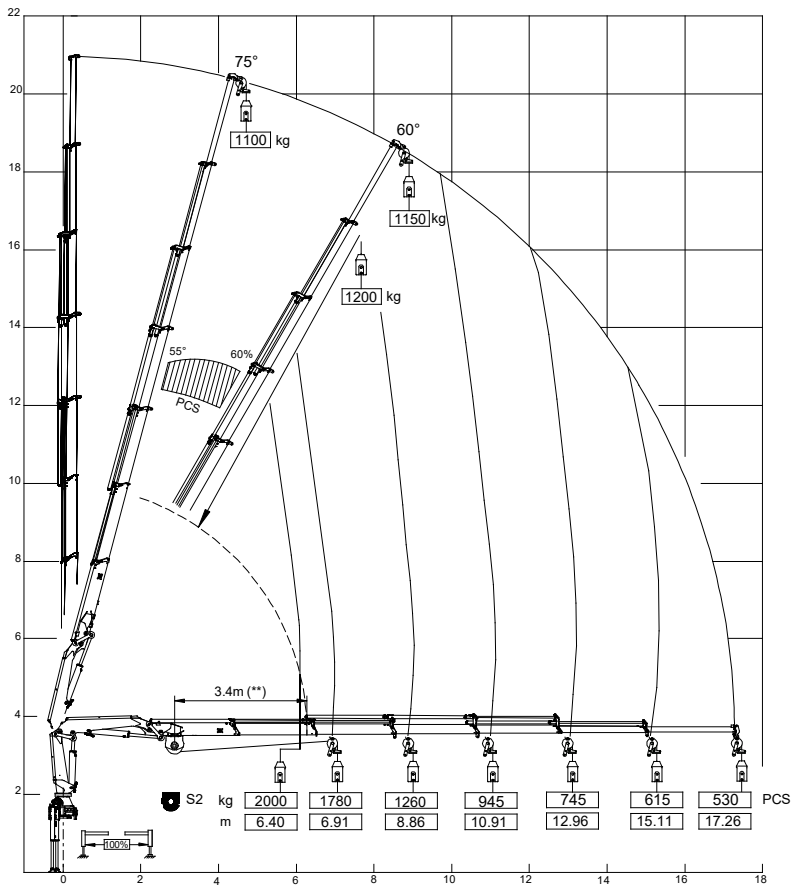
(**) Minimum distance winch - pulley
Winch max. pull with PCS: 2000 kg
PCS: Pull Control System, present on CE/TOP cranes

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LOAD CHART FOR WINCH T12 IN SINGLE LINE 917NG 6S + T12 SINGLE LINE



(**) Minimum distance winch - pulley
Winch max. pull with PCS: 2000 kg
PCS: Pull Control System, present on CE/TOP cranes

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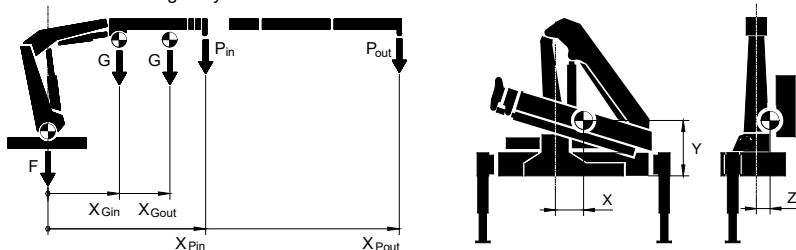
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D.12 CENTERS OF GRAVITY AND TEST LOADS

This annex contains the data needed for the stability test in accordance with EN 12999.

Loads and centers of gravity



Hooking point for the test load



Key:

F = weight of fixed parts (stabilizers, base, column, 1st boom cylinder)

G = weight of booms

X_G = distance between G and column axis

P = rated capacity

X_P = distance between P and column axis

TL = test load, to be hooked to the last hydraulic extension

TL2 = additional test load, to be hooked to the last hydraulic extension excluding jib boom

X, Y, Z = coordinates of center of gravity for whole crane folded in transport position (EX-H version)

in = configuration with all hydraulic extensions fully retracted

out = configuration with all hydraulic extensions fully extracted

WEIGHTS AND CENTERS OF GRAVITY

917NG	F kg	G kg	X_G in / out m	P in / out kg	X_P in / out m	TL (TL2) kg	X	Y	Z
2S	ST-M : 1220 EX-M : 1310 EX-H : 1345 SE-H : 1380	770	2.48 3.48	3310 1725	4.63 8.53	2156	210	715	8
3S		900	2.62 4.30	3155 1270	4.71 10.66	1597	205	740	27
4S		1020	2.73 5.12	3010 950	4.80 12.80	1222	197	760	40
5S		1130	2.82 5.91	2875 710	4.88 15.03	941	190	780	54
6S		1225	2.90 6.69	2750 530	4.96 17.26	731	183	797	65
3SJ3		1390	6.87 7.28	640 425	13.60 18.30	531 (153)	180	977	86

The data are relating to crane configuration with horizontal booms.

For the jib version, the "in" data are relating to standard crane's extensions always fully extracted.

USER MANUAL

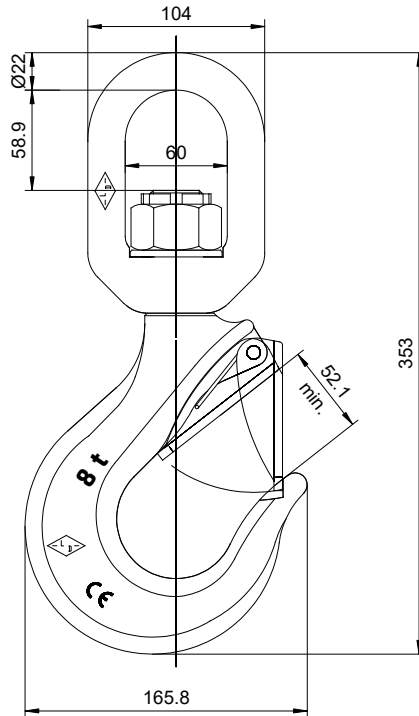
917NG

TECHNICAL SHEET

D.13 HOOK DATA

HOOK MOUNTED ON STANDARD BOOM
VERSIONS: 2S, 3S, 4S, 5S, 6S

DIMENSIONS



TECHNICAL PROPERTIES

Working load limit (WLL) : 8000 kg

Material: alloy steel

Weight: 6.2 kg

Swivel hook

Reference standard: DIN 15401

USER MANUAL

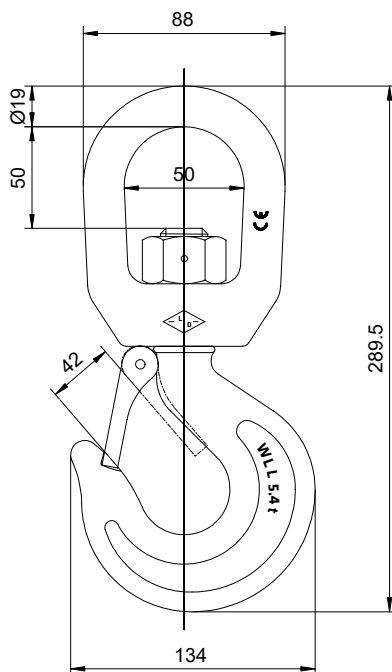
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TECHNICAL SHEET

HOOK DATA

HOOK MOUNTED ON JIB BOOM
VERSION: 3SJ3

DIMENSIONS



TECHNICAL PROPERTIES

Working load limit (WLL) : 5400 kg

Material: alloy steel

Weight: 3.2 kg

Swivel hook

Reference standard: DIN 15401

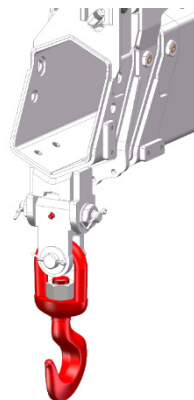
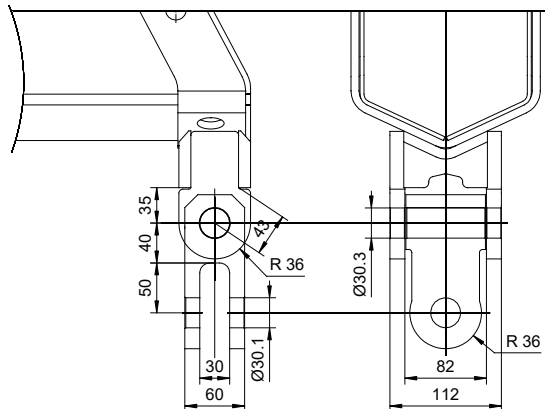
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TECHNICAL SHEET

D.14 LOAD ATTACHMENT

ATTACHMENT FOR HOOK AND LIFTING TOOL



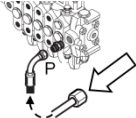
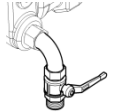
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TECHNICAL SHEET

D.15 HYDRAULIC SYSTEM

FITTINGS FOR CONNECTION TO PUMP

917NG	NO RDC	RDC
Control valve pressure line	 M 7/8"-14 JIC	 M 3/4"-16 GAS
Tank suction line	 M 1"1/2 BSP	 M 1" 1/2 BSP

EXTENSION TIMES OF HYDRAULIC CYLINDERS

917NG	Extension time s	Retraction time s
Slewing (180°)	20	20
1.boom cylinder	17	30
2.boom cylinder	15	10
boom extension 1S (SGS active)	5	7
boom extension 2S (SGS active)	10	13
boom extension 3S (SGS active)	15	19
boom extension 4S (SGS active)	20	25
boom extension 5S (SGS active)	25	31
boom extension 6S (SGS active)	30	37
jib articulation cylinder	20	21
jib extension 3S	24	40

Times are indicative and referring to the following operating conditions:

- unloaded crane operated with a single control lever
- oil flow rate recommended for NO RDC crane
- ISO VG 46 oil at a temperature of 50°C

MAX. ALLOWABLE SINK RATE FOR THE LOAD

The sink rate is the uncontrolled descent of the load in a given time interval due to internal leakage of hydraulic components. The table below shows the maximum permitted descent of the rated load, at the max. hydraulic outreach and in the given time interval.

917NG	Time interval min.	Max. load descent mm
2S	10	426
3S	10	533
4S	10	256
5S	10	300
6S	10	345
3SJ3	10	366

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CAPACITY OF HYDRAULIC SYSTEM

917NG	Cylinders extended ℓ	Cylinders retracted ℓ
2S	67	46
3S	74	51
4S	82	56
5S	90	62
6S	98	67
3SJ3	95	64

Capacities do not include the oil tank.

ADDITIONAL CAPACITY FOR HYDRAULICALLY OPERATED STABILIZER EXTENSIONS

EX-H	+4.0	+2.5
SE-H	+5.5	+3.5

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D.16 OIL COOLER



TECHNICAL SPECIFICATIONS

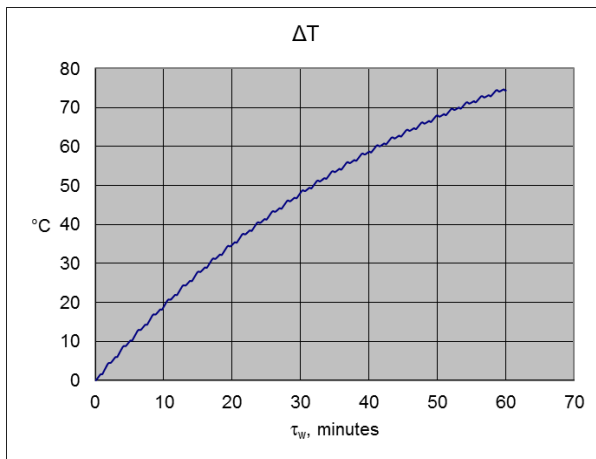
Heat transfer coefficient: 235 W/K (oil flow rate of 40 l/min)

Activation temperature: 48 °C

Weight: 13.5 kg

Capacity: 4 l

For a crane without oil cooler performing a sequence of standard work cycles, the difference in temperature between the oil and the environment is shown in the graph below.



The oil cooler is recommended when

$$T_{env} + \tau_w > 57$$

where:

T_{env} : temperature of the environment (°C)

ΔT : difference in temperature between the oil and the environment (°C)

τ_w : working time (minutes)

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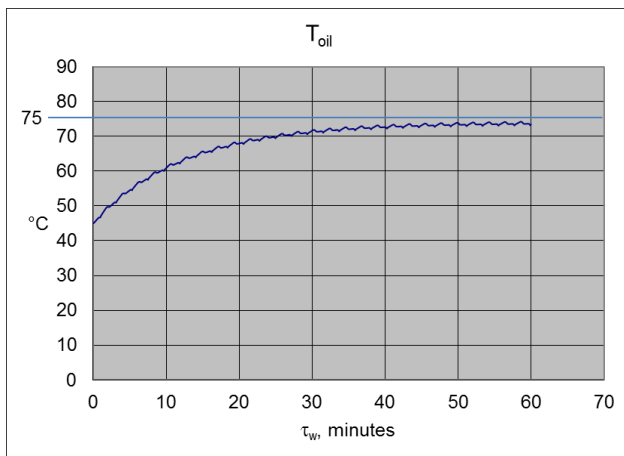
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However, when a crane equipped with oil cooler carries out a sequence of standard work cycles, the oil temperature exceeds 75 °C after the following working times:

T_{env} (°C)	τ_w to exceed 75 °C (minutes)
45	no limit
48	35
50	25
52	20
54	15

The graph below shows the temperature trend (T_{oil}) with oil cooler when $T_{env} = 45$ °C.



Notes:

The max recommended oil temperature is 75°C (at 80°C you must stop working)

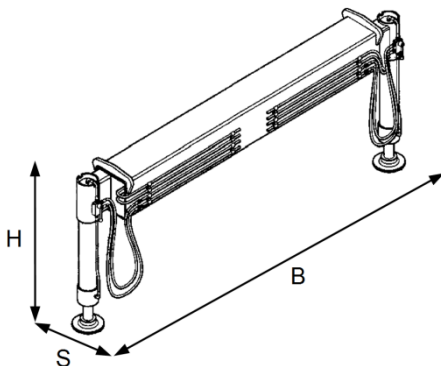
The calculation of the oil temperature is purely indicative and depending on several variables (e.g. working cycle, wind, humidity, weather, etc.)

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D.17 ADDITIONAL STABILIZERS



Additional stabilizers must be chosen so that:

- the installation is stable (see Installer Manual)
- the max. force acting on the additional stabilizers, F_s , is lower than the max. load allowed by the stabilizers itself, R_{max} .

$$F_s = M_{dyn} / X_s \quad F_s \geq 0.6 F_{sg}$$

where:

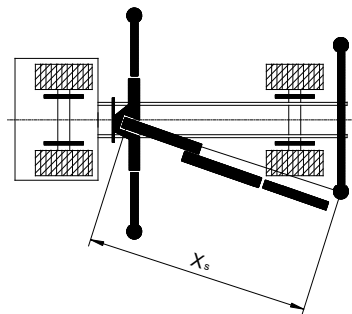
M_{dyn} : max. dynamic moment of the crane

X_s : distance between column axis - stab. cylinder

F_{sg} : max force on stabilizer leg

Check that: $F_s \leq R_{max}$

R_{max} is given in the technical specifications of the additional stabilizers.



- In addition, CE additional stabilizer must be equipped with safety devices integrated with the crane's stability control system. Therefore we recommend to install the following models designed by crane's manufacturer.

Code	Spread (m)	Weight (kg)	R_{max} (kg)	Overall dimensions BxHxS (mm)
7850088	2.00	155	6250	2160x770x190
7850086	3.32	220	6250	2285x780x240
7850087	3.32	235	6250	2285x780x240

For further information see the User Manual for additional stabilizers.

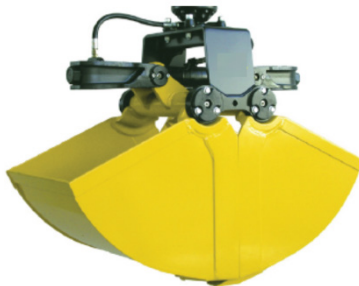
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TECHNICAL SHEET

D.18 RECOMMENDED ADDITIONAL LIFTING TOOLS

CLAMSHELL BUCKET



Crane version	Gross load kg ⁽¹⁾	Data of recommended tool				Payload kg ⁽³⁾	Load ratio	
		HYVA model	weight kg	volume dm ³	capacity kg ⁽²⁾		crane ⁽⁴⁾	tool ⁽⁵⁾
2S	1725	H605-650	410	650	975	1315	80%	100%
3S	1270	H605-650	410	650	975	860	100%	88%
		H605-550	375	550	825	895	94%	100%
4S	950	H605-450	340	450	675	610	100%	90%
		H604-350	240	350	525	710	81%	100%
5S	710	H604-325	235	325	487,5	475	100%	97%
		H604-250	220	250	375	490	84%	100%
6S	530	H604-200	195	200	300	335	93%	100%

Notes

⁽¹⁾ The gross load is the load capacity of crane at maximum hydraulic outreach

⁽²⁾ The tool's load capacity is calculated multiplying the volume by a density of 1.5 kg/dm³

⁽³⁾ The payload is the gross load of crane minus the tool's weight

⁽⁴⁾ The crane's load ratio is the percentage value of the liftable load with respect to the gross load

⁽⁵⁾ The tool's load ratio is the percentage value of the liftable load with respect to tool's capacity

Stress history class: S1

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RECOMMENDED ADDITIONAL LIFTING TOOLS ORANGE PEEL GRAPPLE



Crane version	Gross load kg ⁽¹⁾	Data of recommended tool				Payload kg ⁽³⁾	Load ratio	
		HYVA model	weight kg	volume dm ³	capacity kg ⁽²⁾		crane ⁽⁴⁾	tool ⁽⁵⁾
2S	1725	H653-4 large	435	500	750	1290	69%	100%
3S	1270	H653-4 large	435	500	750	835	93%	100%
4S	950	H653-4 large	395	350	525	555	97%	100%
5S	710	H653-4 small	250	240	360	460	86%	100%
6S	530	H653-4 small	235	180	270	295	95%	100%

Notes

- ⁽¹⁾ The gross load is the load capacity of crane at maximum hydraulic outreach
- ⁽²⁾ The tool's load capacity is calculated multiplying the volume by a density of 1.5 kg/dm³
- ⁽³⁾ The payload is the crane's gross load minus the tool's weight
- ⁽⁴⁾ The crane's load ratio is the percentage value of the liftable load with respect to the gross load
- ⁽⁵⁾ The tool's load ratio is the percentage value of the liftable load with respect to tool's capacity

Stress history class: S1

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RECOMMENDED ADDITIONAL LIFTING TOOLS
LOGGING GRAPPLE



Crane version	Gross load kg ⁽¹⁾	Data of recommended tool			Payload kg ⁽²⁾	Load ratio	
		HYVA model	weight kg	capacity kg		crane ⁽³⁾	tool ⁽⁴⁾
2S	1725	H634-0,25	170	4000	1555	100%	39%
3S	1270	H634-0,25	170	4000	1100	100%	28%
4S	950	H634-0,25	170	4000	780	100%	20%
5S	710	H634-0,25	170	4000	540	100%	14%
6S	530	H634-0,25	170	4000	360	100%	9%

Notes

- ⁽¹⁾ The gross load is the load capacity of crane at maximum hydraulic outreach
- ⁽²⁾ The payload is the gross load of crane minus the tool's weight
- ⁽³⁾ The crane's load ratio is the percentage value of the liftable load with respect to the gross load
- ⁽⁴⁾ The tool's load ratio is the percentage value of the liftable load with respect to tool's capacity

Stress history class: S1

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RECOMMENDED ADDITIONAL LIFTING TOOLS BRICK STACK GRAPPLE



Crane version	Gross load kg ⁽¹⁾	Data of recommended tool			Payload kg ⁽²⁾	Load ratio	
		HYVA model	weight kg	capacity kg		crane ⁽³⁾	tool ⁽⁴⁾
2S	1725	H332-850	245	2200	1480	100%	67%
3S	1270	H332-850	245	2200	1025	100%	47%
4S	950	H332-1300	265	1600	685	100%	43%
5S	710	H332-1300	265	1600	445	100%	28%
6S	530	H332-1300	265	1600	265	100%	17%

Notes

⁽¹⁾ The gross load is the load capacity of crane at maximum hydraulic outreach

⁽²⁾ The payload is the gross load of crane minus the tool's weight

⁽³⁾ The crane's load ratio is the percentage value of the liftable load with respect to the gross load

⁽⁴⁾ The tool's load ratio is the percentage value of the liftable load with respect to tool's capacity

Stress history class: S2

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RECOMMENDED ADDITIONAL LIFTING TOOLS PALLET FORK



Crane version	Gross load kg ⁽¹⁾	Data of recommended tool			Payload kg ⁽²⁾	Load ratio	
		HYVA model	weight kg	capacity kg		crane ⁽³⁾	tool ⁽⁴⁾
2S	1725	H415 2000-500	155	2000	1570	100%	79%
3S	1270	H415 1500-500	135	1500	1135	100%	76%
4S	950	H415 1500-500	135	1500	815	100%	54%
5S	710	H415 1500-500	135	1500	575	100%	38%
6S	530	H415 1500-500	135	1500	395	100%	26%

Notes

⁽¹⁾ The gross load is the load capacity of crane at maximum hydraulic outreach

⁽²⁾ The payload is the gross load of crane minus the tool's weight

⁽³⁾ The crane's load ratio is the percentage value of the liftable load with respect to the gross load

⁽⁴⁾ The tool's load ratio is the percentage value of the liftable load with respect to tool's capacity

Stress history class: S2