Max. Hubmoment:
Lifting moment: **298,2 kNm**

Max. Hubkraft:
Max. lifting capacity: **8.500 kg**

Schwenkbereich:
Slewing angle: **400 Grad**
400 degrees

Schwenkmoment:
Slewing torque: **37,3 kNm**

Max. Betriebsdruck:
Operating pressure: **295 bar**

Fördermenge der Pumpe
Pump capacity **50 l/min**

Hydr. Ausschübe: *Hydr. boom extensions:*	**1 ()**	**2 (A)**	**3 (B)**	**4(C)**	**5 (D)**	**6 (E)**	**7 (F)**	**8 (G)**
Max. Reichweite: *Max. outreach:*		**7,7 m**	**9,7 m**	**11,7 m**	**13,8 m**			
+V1			**11,7 m**	**13,9 m**	**16,0 m**			
+V2			**13,9 m**	**16,0 m**	**18,3 m**			
+V3			**16,0 m**	**18,3 m**	**20,6 m**			
+V4			**18,3 m**	**20,7 m**				
+V5			**20,7 m**					

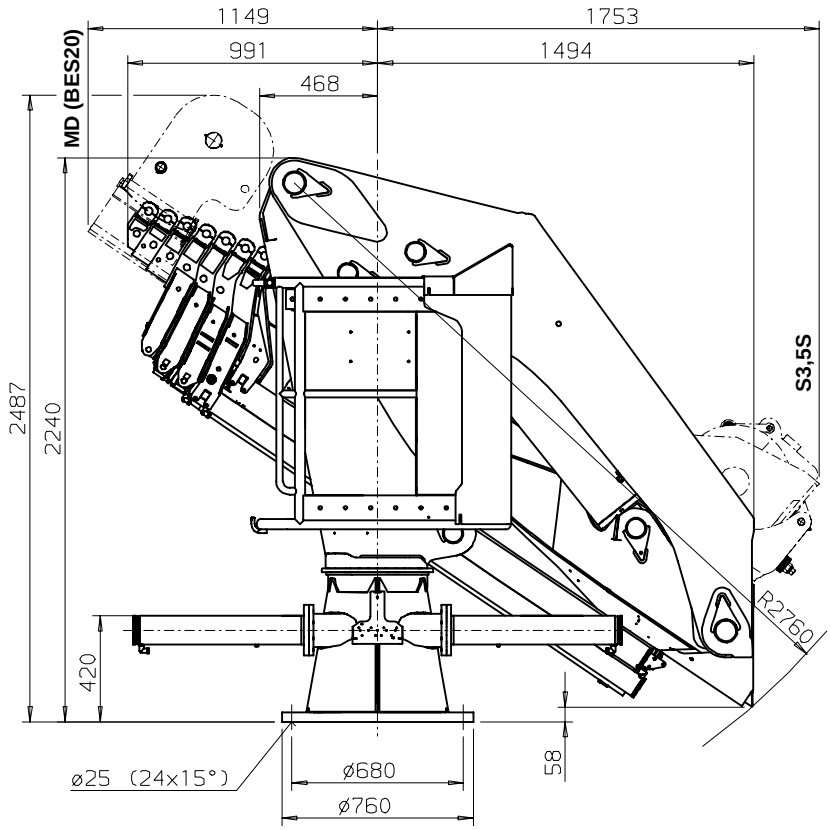
Alle Gewichtsangaben ohne Aufbauzubehör,Zusatzgeräte und Öl.
All weights given without assembly accessory,additional devices and oil.

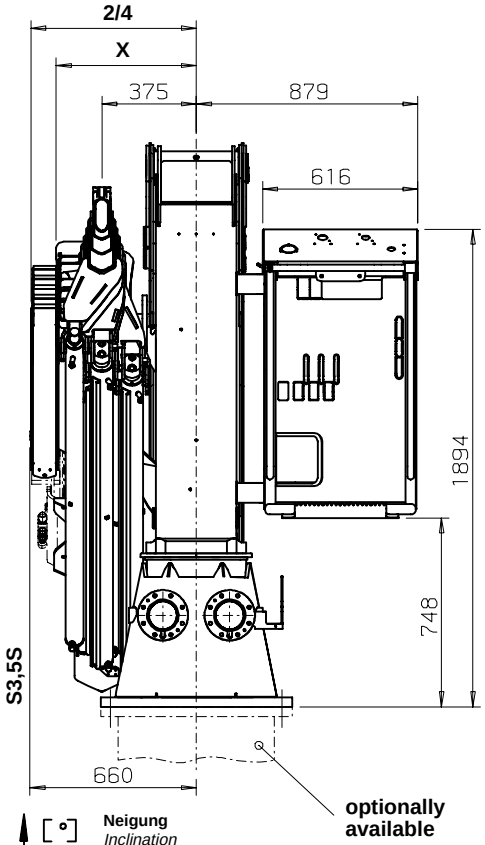
Krangewicht: *Crane weight:*		**2718 kg**	**2923 kg**	**3113 kg**	**3273 kg**			
+ 2/4		**2748 kg**	**2958 kg**	**3158 kg**	**3338 kg**			
+V1			**3013 kg**	**3193 kg**	**3340 kg**			
+V2			**3093 kg**	**3260 kg**	**3396 kg**			
+V3			**3160 kg**	**3316 kg**	**3441 kg**			
+V4			**3216 kg**	**3361 kg**				
+V5			**3261 kg**					

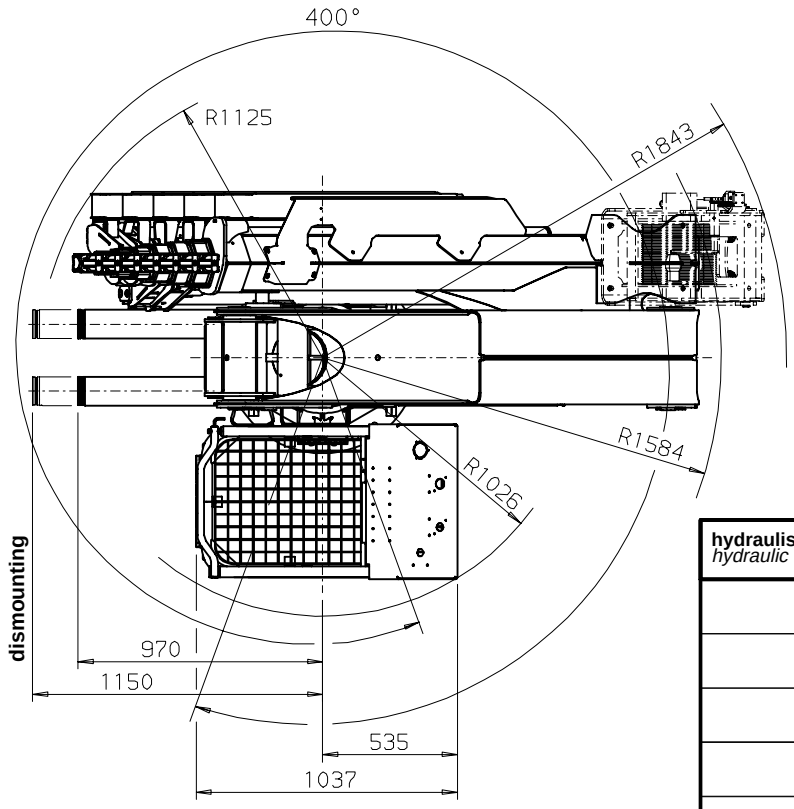
Gewicht +V ohne 2/4
Weight +V without 2/4

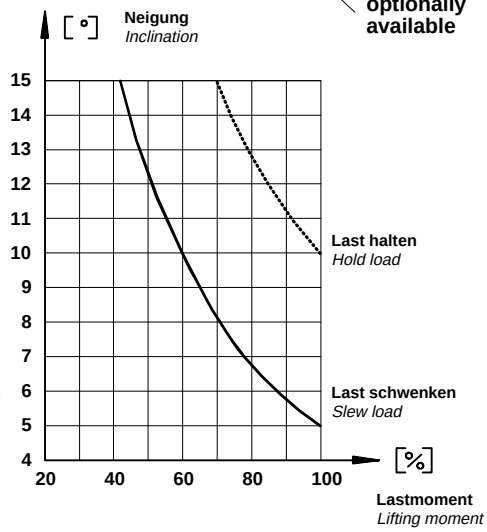
	Hochstand (I) *Standing platform (I)*	**Kabine (J)** *Cabin (J)*	**Notsteuerung (NK)** *Emergency control (NK)*
Gewicht *Weight*	**260 kg**	**350 kg**	

Stauposition
Parking position

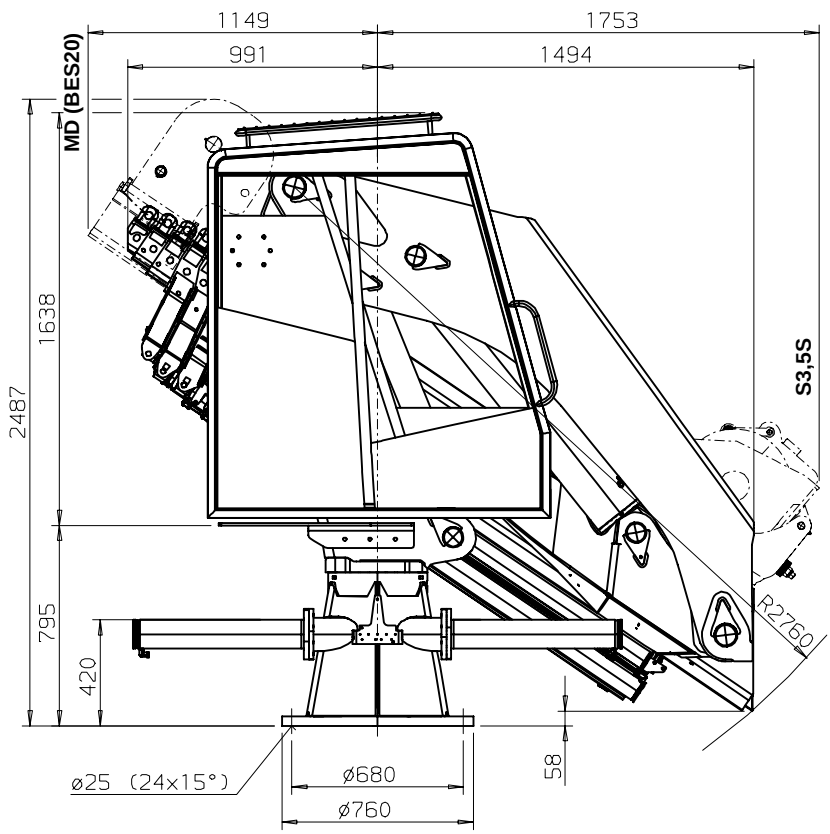


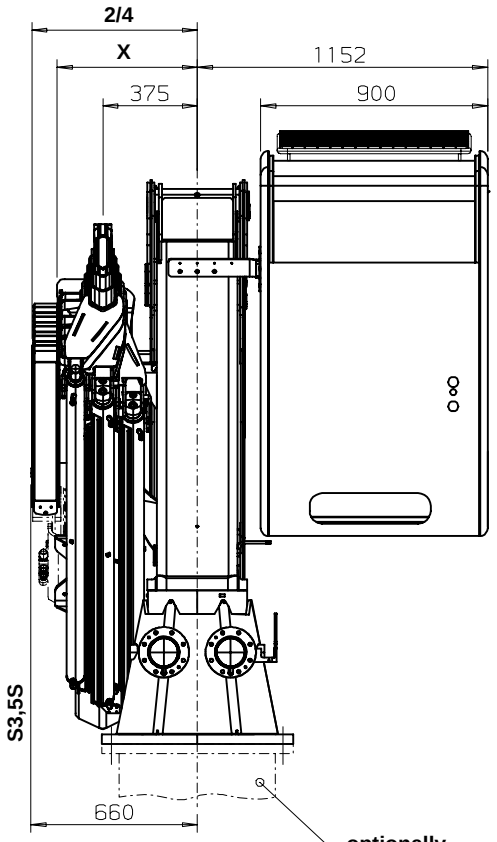


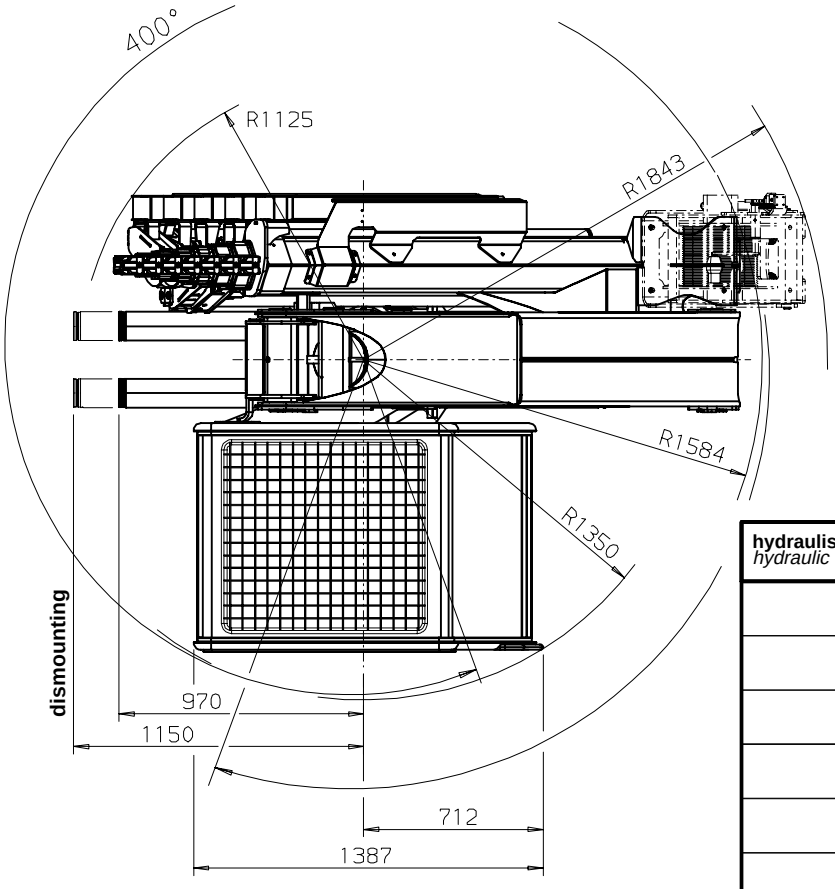


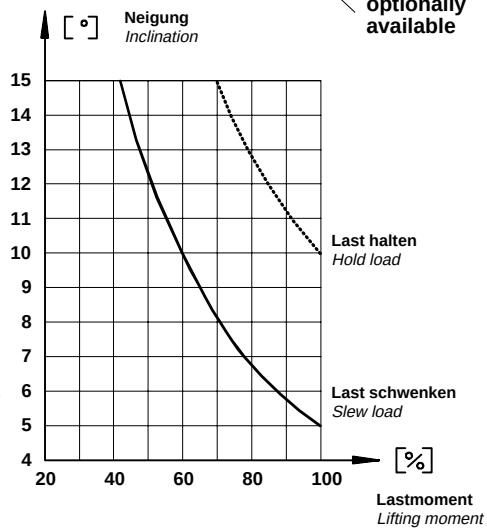


hydraulische Ausschübe *hydraulic extensions*	X	2/4
1 ()		
2 (A)	546 mm	657 mm
3 (B)	546 mm	657 mm
4 (C)	546 mm	657 mm
5 (D)	546 mm	657 mm
6 (E)		
7 (F)		
8 (G)		









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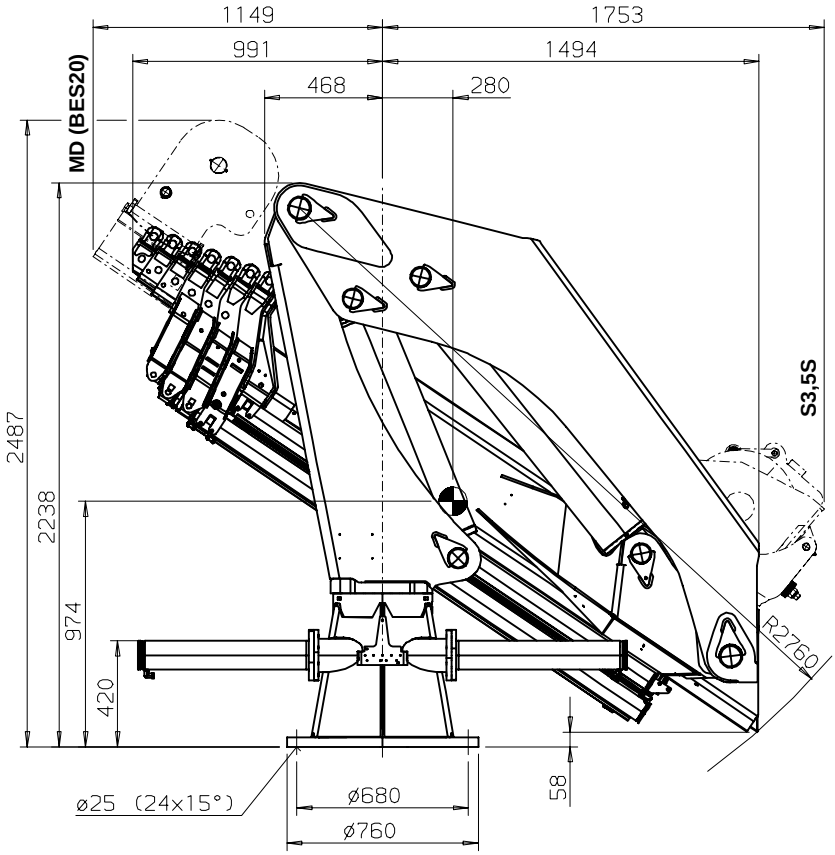
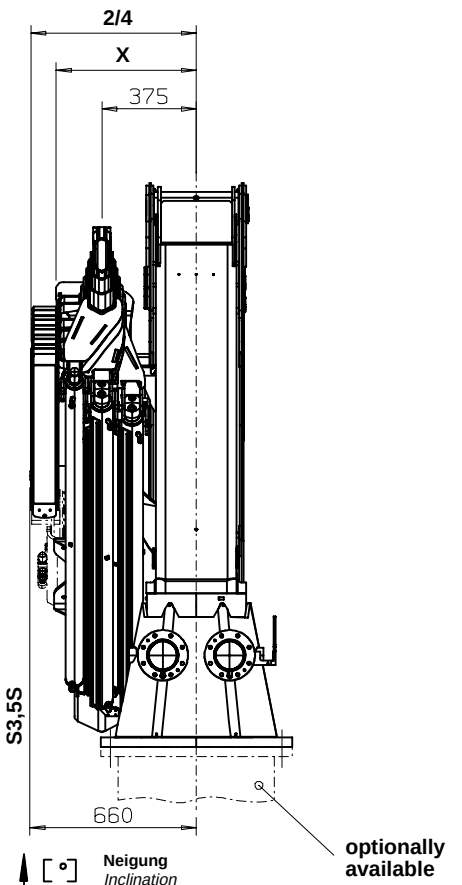
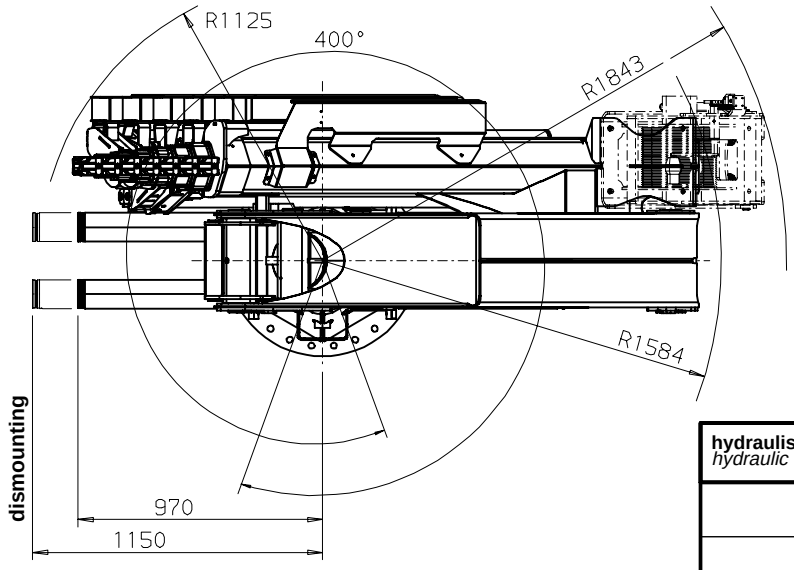
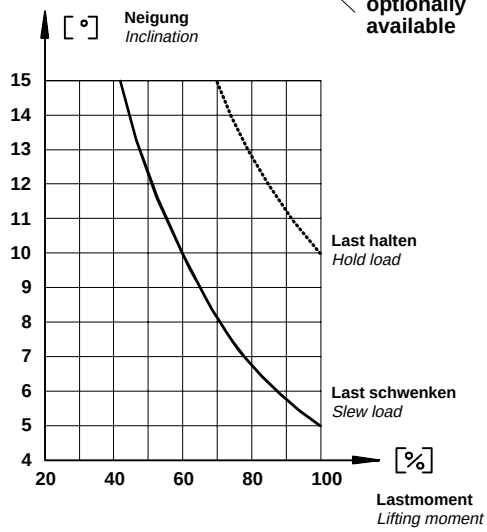
Stauposition
Parking position









hydraulische Ausschübe *hydraulic extensions*	X	2/4
1 ()		
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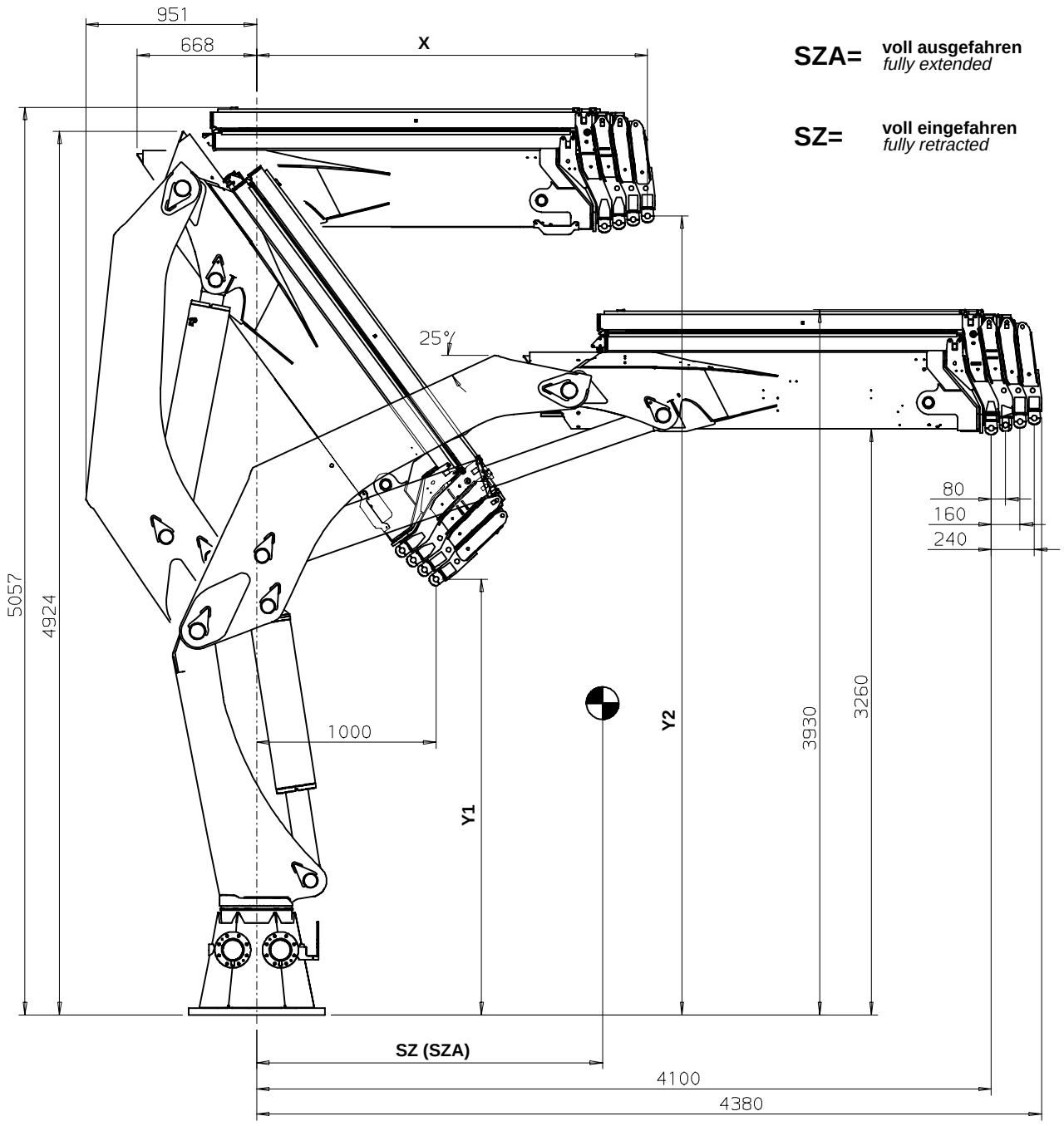
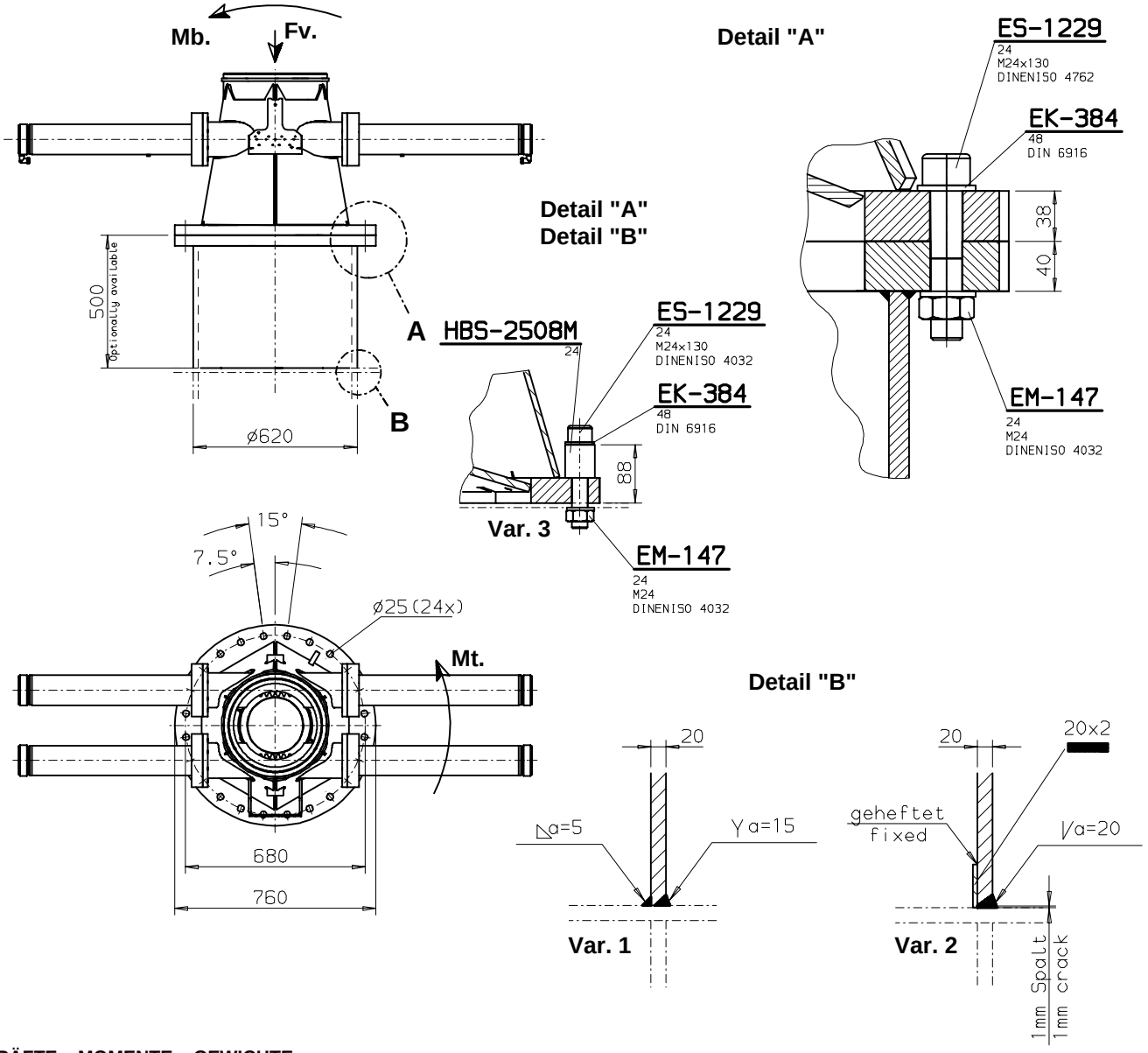


Konstruktionsänderungen vorbehalten, fertigungstechn. Toleranzen müssen berücksichtigt werden.
Subject to change, production tolerances have to be taken into account.

	hydraulische Ausschübe *hydraulic extensions*							
	1 ()	2 (A)	3 (B)	4 (C)	5 (D)	6 (E)	7 (F)	8 (G)
X		1937 mm	2017 mm	2097 mm	2177 mm			
Y1		2724 mm	2626 mm	2531 mm	2434 mm			
Y2		4401 mm	4419 mm	4437 mm	4457 mm			
SZ		1150 mm	1320 mm	1460 mm	1570 mm			
SZA		1620 mm	2180 mm	2760 mm	3300 mm			



KRÄFTE – MOMENTE – GEWICHTE
FORCES – MOMENTS – WEIGHTS

Mb. max. Kranmoment – statisch
Mb. max. crane moment – static **365,0 kNm**

Mb. max. Kranmoment mit Beiwerten – dynamisch
Mb. max. crane moment – dynamic **432,0 kNm**

Mt. max. Torsionsmoment – statisch
Mt. max. torsional torque – static **45,4 kNm**

Mt. max. Torsionsmoment mit Beiwerten – dynamisch
Mt. max. torsional torque – dynamic **55,7 kNm**

Fv max. (statisch) = Kraneigengewicht + max. Traglast
Fv max. (static) = Weight of crane + max. lifting capacity

Fv max. (dynamisch) = (Kraneigengewicht + max. Traglast) x 1,2
Fv max. (dynamic) = (Weight of crane + max. lifting capacity) x 1,2

BEFESTIGUNG:

24 Schrauben M 24 korrosionsgeschützt. Werkstoff 10.9; Zugfestigkeit 1000 N/mm2; Streckgrenze 900 N/mm2 Anziehmoment = 875 Nm (nicht gefettet); Schraubenoberfläche DACROMET 500A

SCHWEISSNAHTANSCHLUSS:

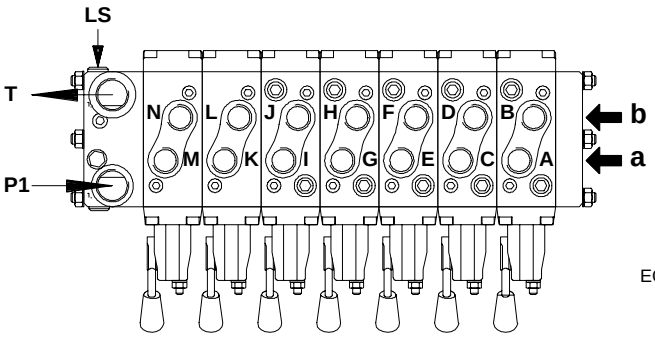
Rohrsockel – Stahlrohr 620x20 S355 EN10025; Schweißverfahren MAG, Zusatzwerkstoff SG 2 DIN 8559 Schweißverfahren E, Zusatzwerkstoff E 51 54 B 10 DIN 1913

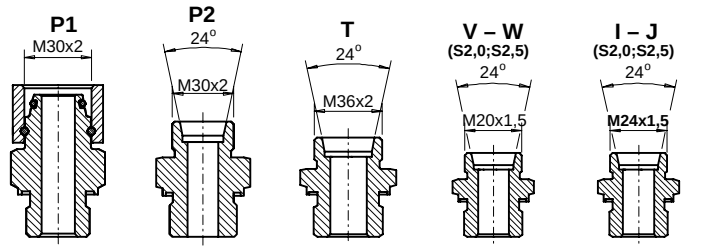
MOUNTING:

24 bolts M 24 protected against corrosion. Material 10.9; tensile strength 1000 N/mm2; yield point 900 N/mm2 Tightening moment = 875 Nm (not oiled); surface of screw DACROMET 500A

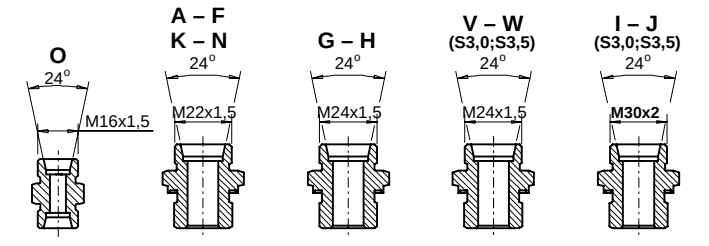
WELDING:

Mounting base – pipe 620x20 S355 EN10025; welding procedure MAG, filler metal SG 2 DIN 8559 welding procedure E, filler metal E 51 54 B 10 DIN 1913





EA 114M EGE 20 S R 3/4" | **EA 754 M** GE 20 S R 1/1" | **HLA 871 M** GE 28 L R 3/4" | **EA 183 M** GE 12 S R 1/2" | **EA 074 M** GE 16 S R 1/2"



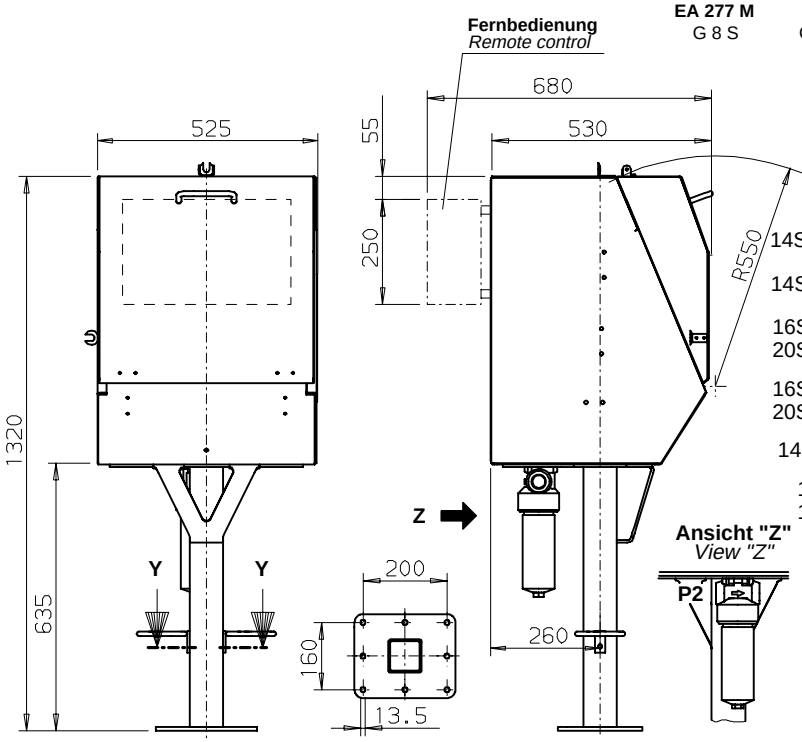
EA 277 M G 8 S | **EA 020 M** GE 14 S R 1/2" | **EA 074 M** GE 16 S R 1/2" | **EA 074 M** GE 16 S R 1/2" | **EA 1017 M** GE 20 S R 1/2"

O = Steuerleitung Hubzylinder
Control pipe inner boom ram

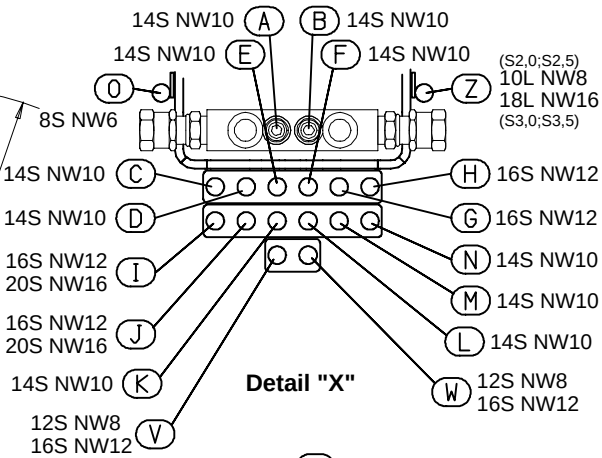
Z = Leckölleitung
Drain line

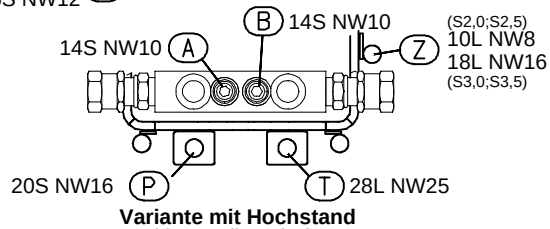
V,W = Überlast (Seilwinde)
Overload (Winch)

LS = Steuerleitung für Verstellpumpe
Control pipe for variable flow pump



Schnitt Y–Y
Section Y–Y



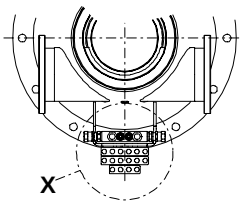


Variante mit Hochstand
With standing platform

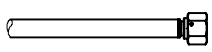
Technische Spezifikation des Steuerventilblockes siehe Ersatzteilkatalog
Technical specification from control valve look spare parts list

Konstruktionsänderungen vorbehalten, fertigungstechn. Toleranzen müssen berücksichtigt werden.
Subject to change, production tolerances have to be taken into account.

N	M	L	K	J	I	H	G	F	E	D	C	B	A	
						⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	**4–fach** *4–sections*
				⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	**5–fach** *5–sections*
		⊞	⊞			⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	
⊞	⊞	⊞	⊞			⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	**6–fach** *6–sections*
		⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	
⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	⊞	**7–fach** *7–sections*

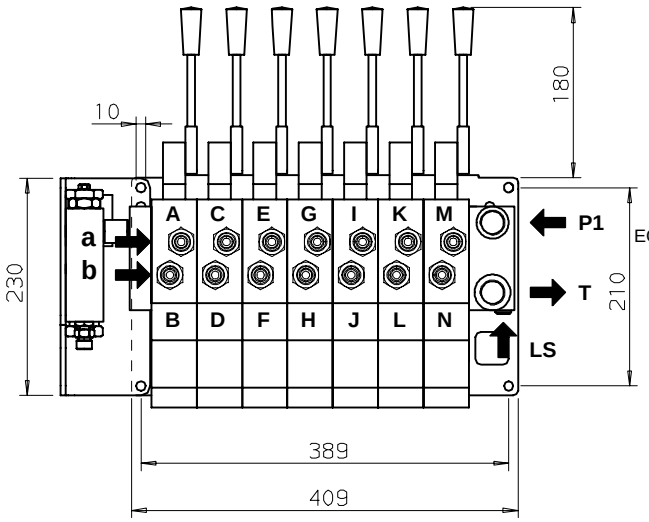


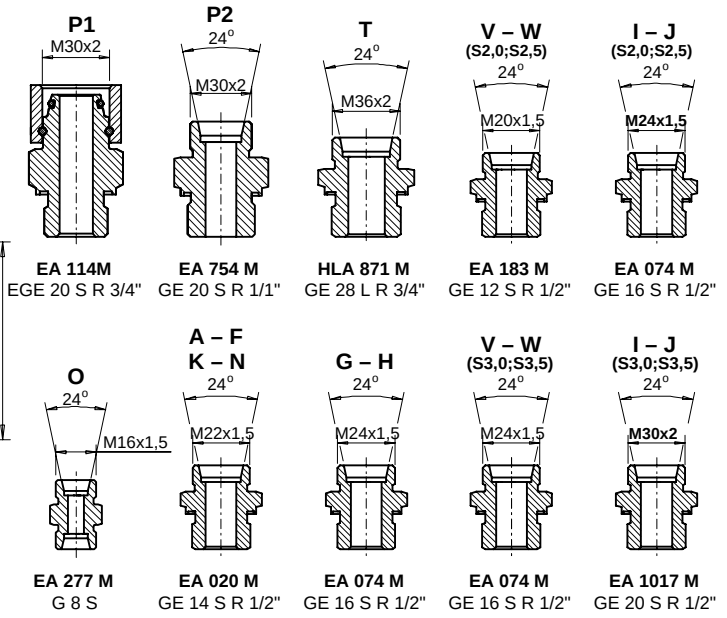
All connections

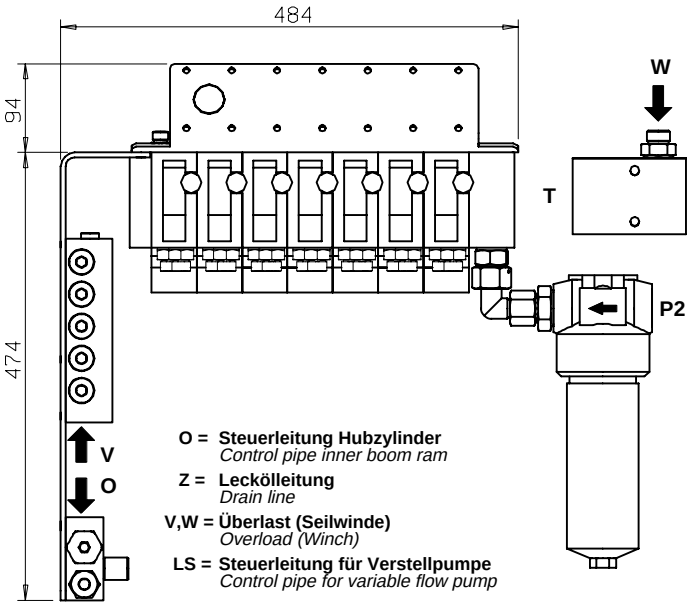


Ventilkasten (FLVK)
Protection cover (FLVK)

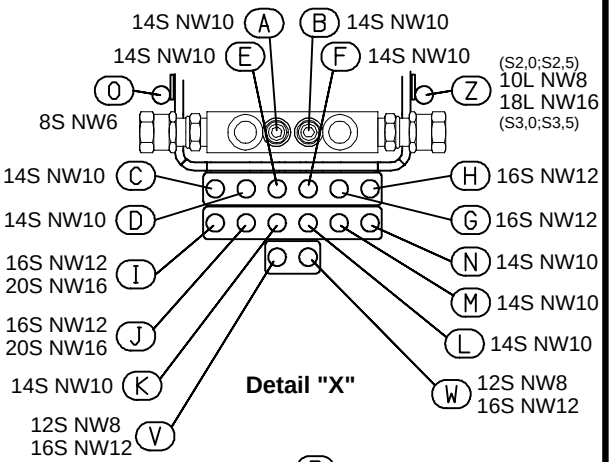
min. 50 kg
max. 150 kg

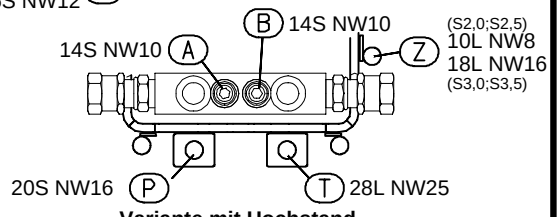






O = Steuerleitung Hubzylinder
Control pipe inner boom ram
Z = Leckölleitung
Drain line
V,W = Überlast (Seilwinde)
Overload (Winch)
LS = Steuerleitung für Verstellpumpe
Control pipe for variable flow pump

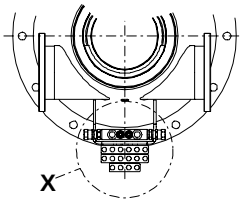




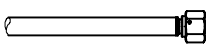
Variante mit Hochstand
With standing platform

Technische Spezifikation des Steuerventilblockes siehe Ersatzteilkatalog
Technical specification from control valve look spare parts list

Konstruktionsänderungen vorbehalten, fertigungstechn. Toleranzen müssen berücksichtigt werden.
Subject to change, production tolerances have to be taken into account.

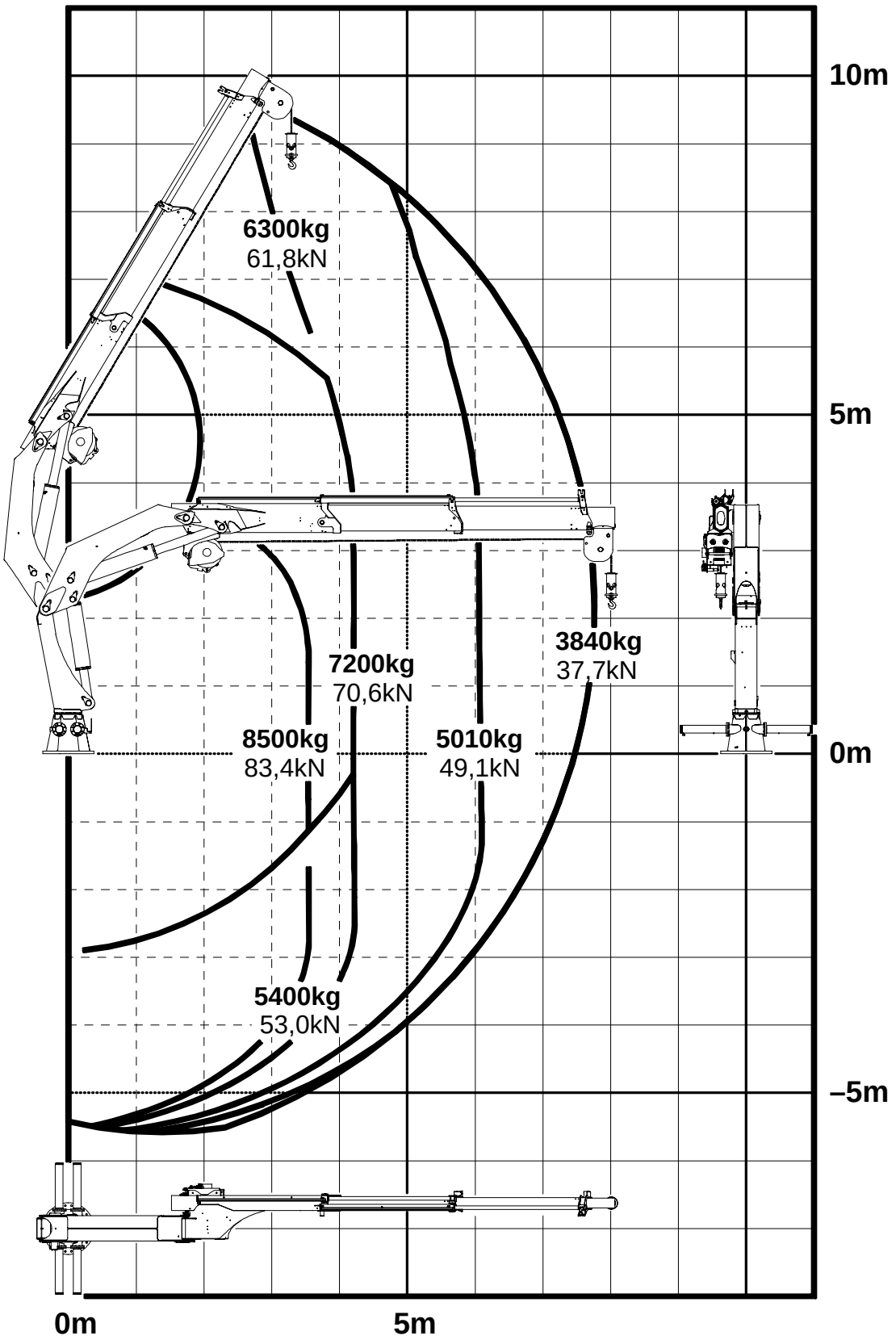


All connections



N	M	L	K	J	I	H	G	F	E	D	C	B	A	
						■	■	■	■	■	■	■	■	**4–fach** *4–sections*
				■	■	■	■	■	■	■	■	■	■	**5–fach** *5–sections*
		■	■			■	■	■	■	■	■	■	■	
■	■	■	■			■	■	■	■	■	■	■	■	**6–fach** *6–sections*
		■	■	■	■	■	■	■	■	■	■	■	■	
■	■	■	■	■	■	■	■	■	■	■	■	■	■	**7–fach** *7–sections*

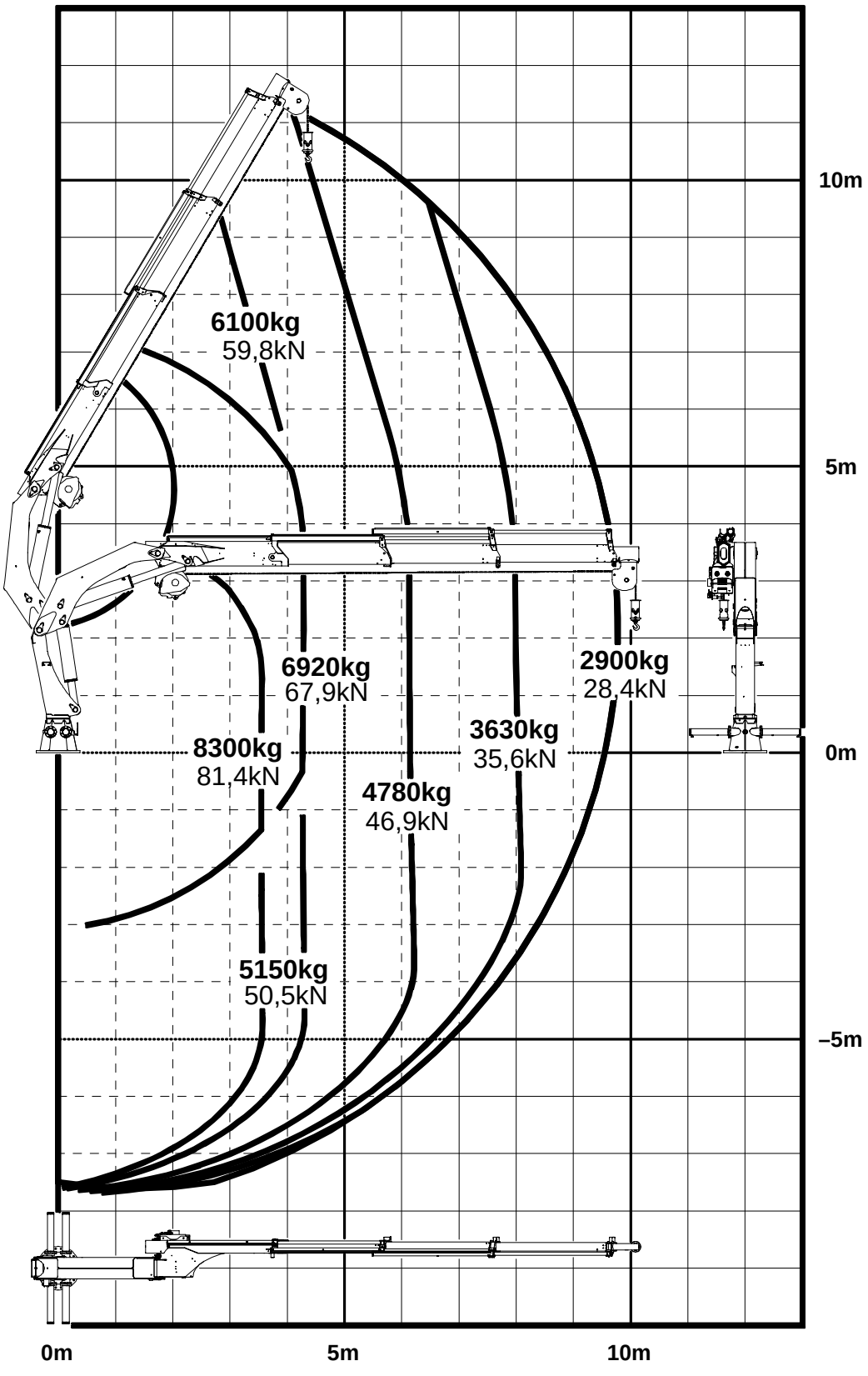
Traglastdiagramm
Lifting capacity diagram



Traglast bei Hakenbetrieb!
Bei Windenbetrieb müssen die Gewichte der Windenbauteile abgezogen werden.

Load by operation in hook–modus!
When operating in winch–modus the lifting loads must be reduced by the weight of the winch application.

Traglastdiagramm
Lifting capacity diagram



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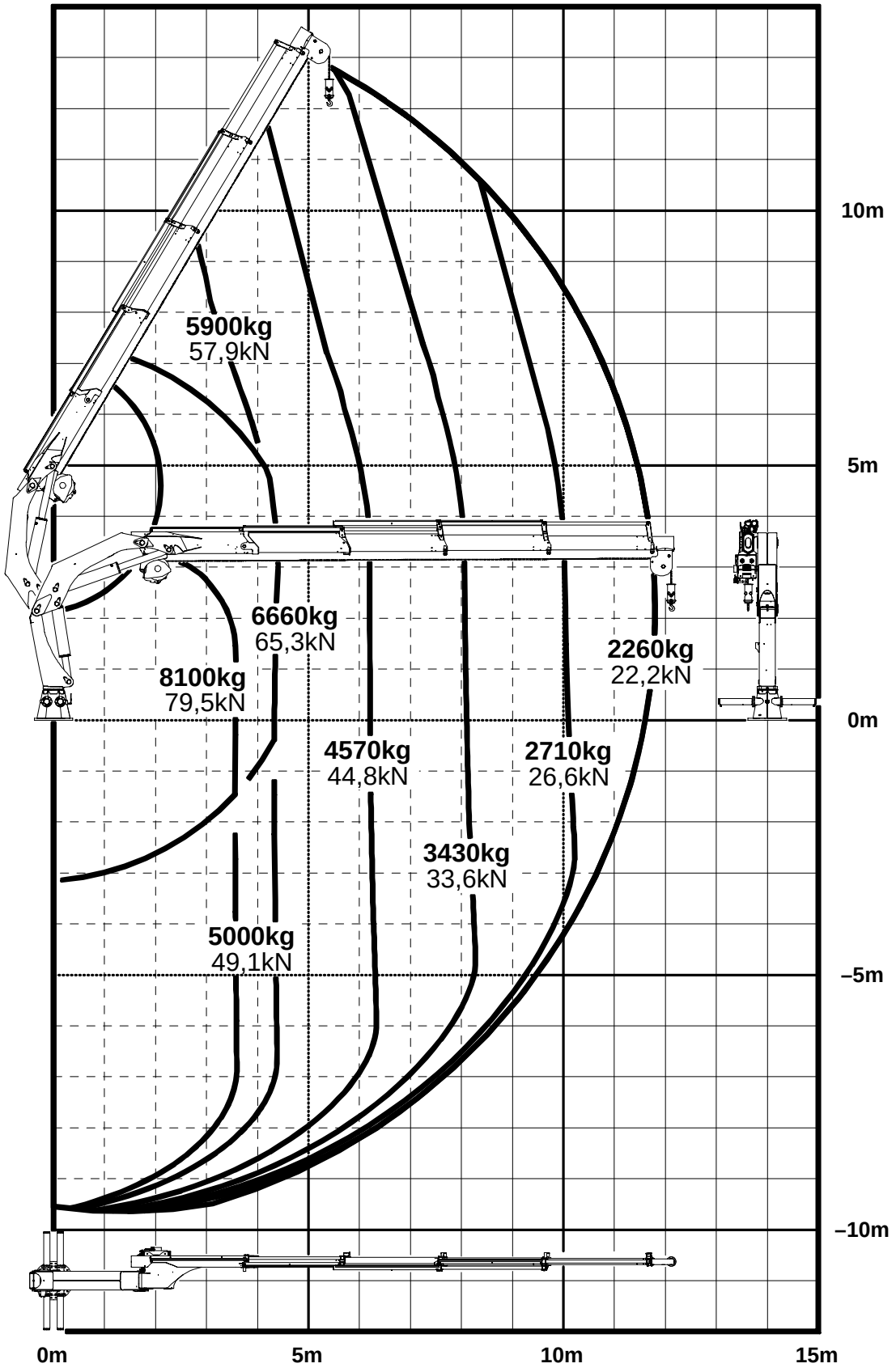
Lifting capacity diagram



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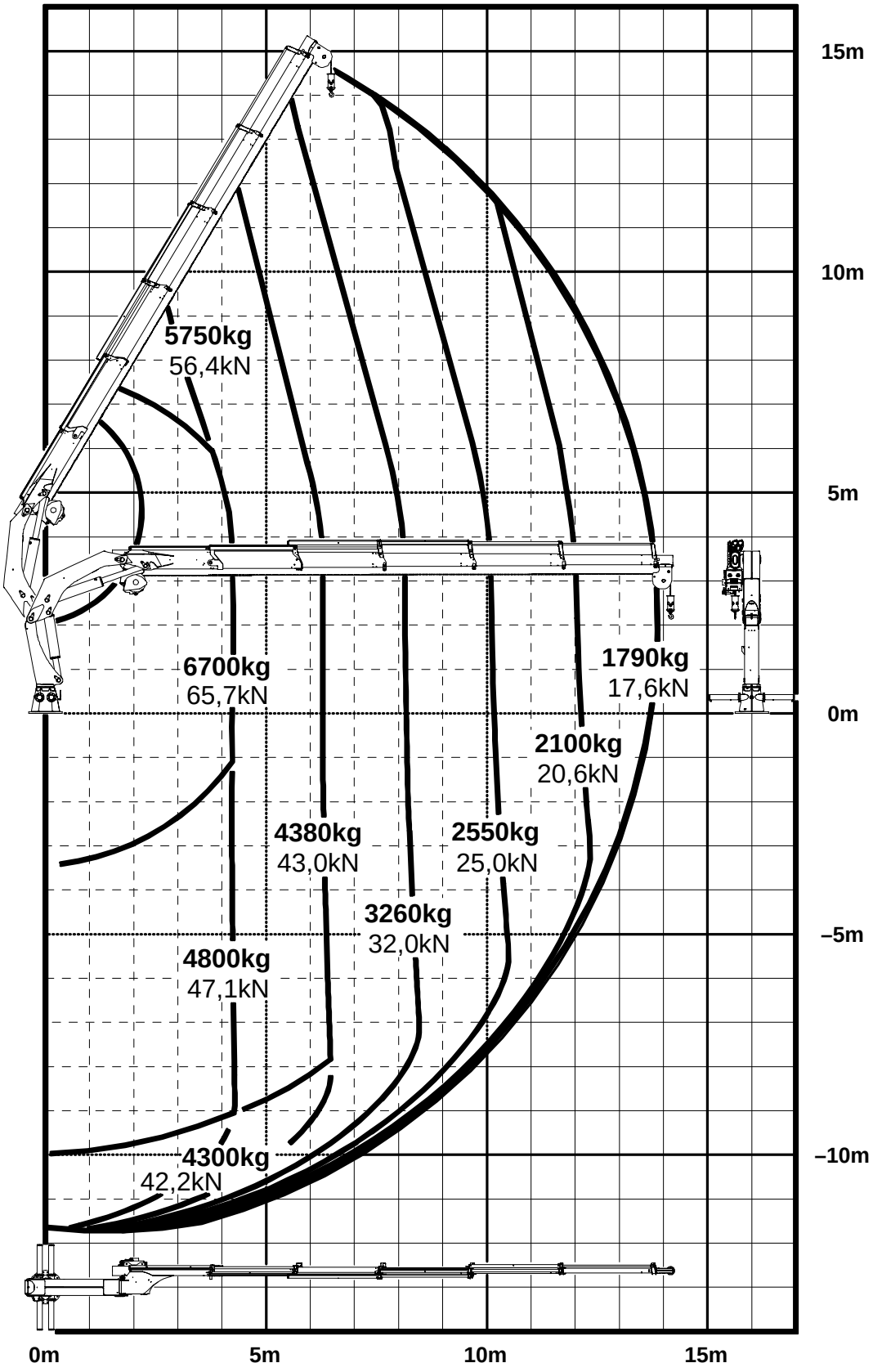
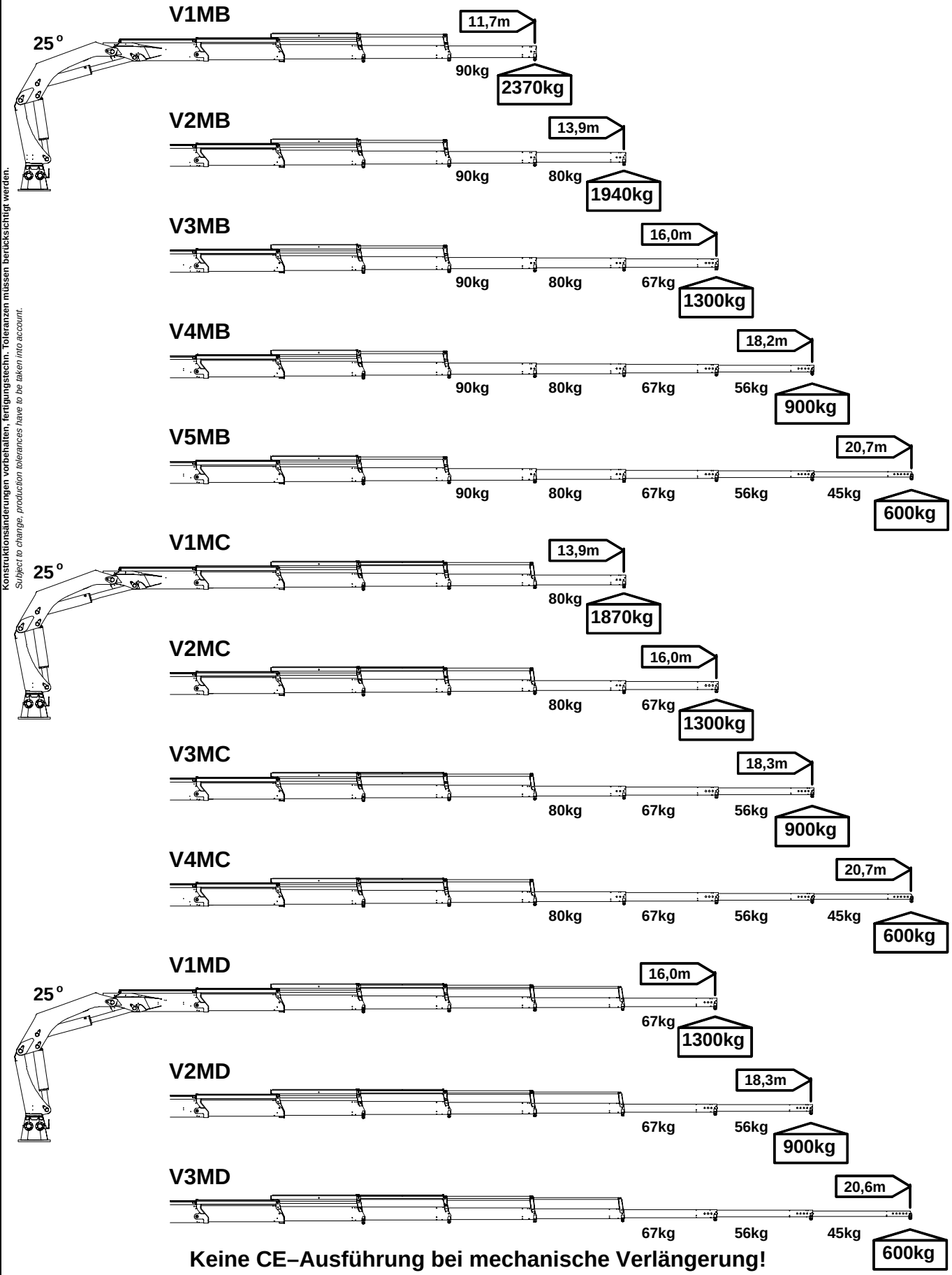
Traglastdiagramm
Lifting capacity diagram



Traglast bei Hakenbetrieb!
Bei Windenbetrieb müssen die Gewichte der Windenbauteile abgezogen werden.

Load by operation in hook–modus!
When operating in winch–modus the lifting loads must be reduced by the weight of the winch application.

Traglast–Verlängerung
Load capacity–Extension



Keine CE–Ausführung bei mechanische Verlängerung!

No CE–execution with man. boom extension!

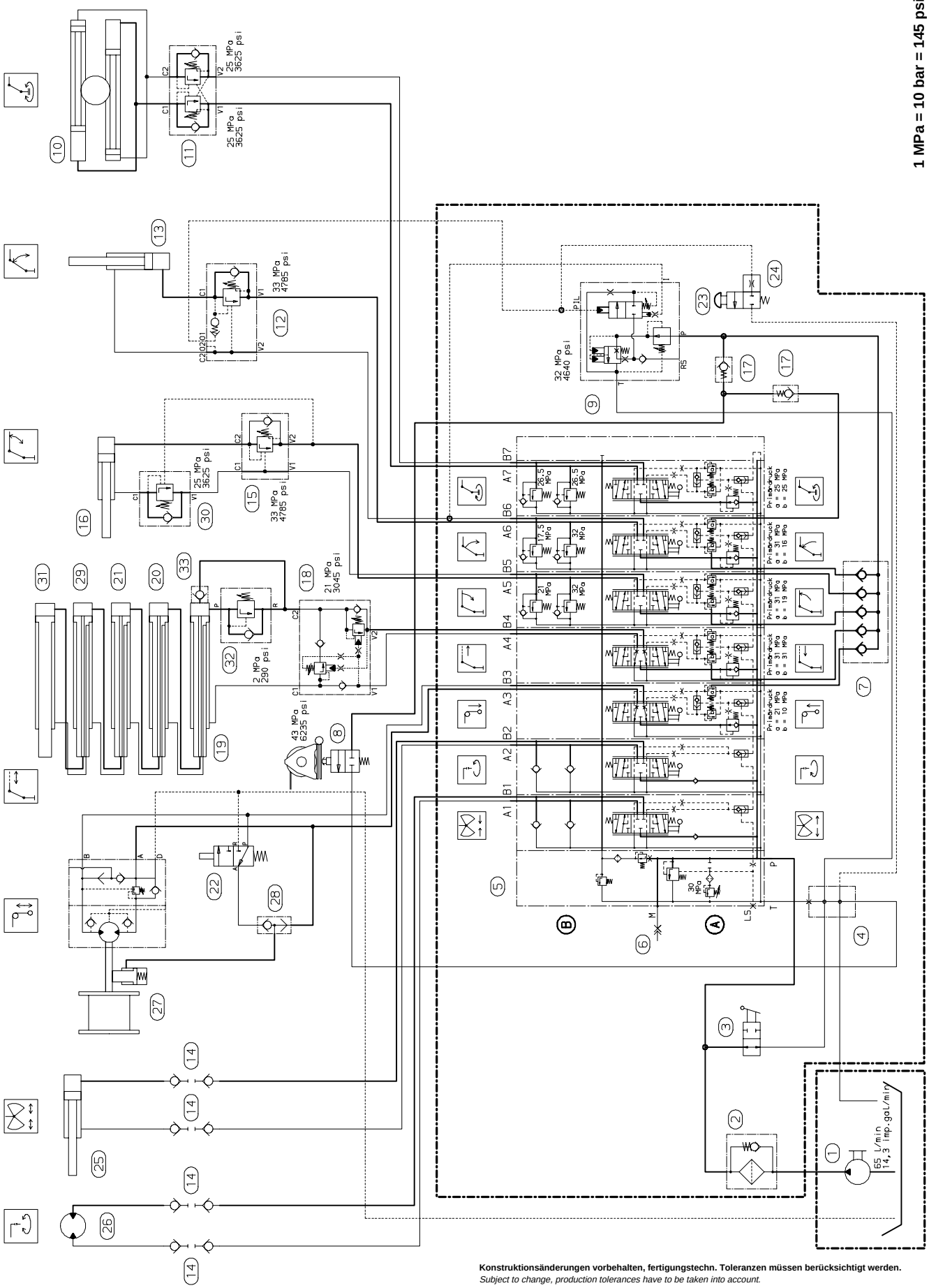
PALFINGER

PK 32080 M

Hydraulikschema
Hydraulic diagram

DTCP010/06	
Kapitel	*Chapter*
0100	
Seite	*Page*
10/2011	
Ausgabe	*Edition*

1 MPa = 10 bar = 145 psi



1 **Ölpumpe**
oil pump

2 **Hochdruckfilter**
high pressure filter

3 **Blockkugelhahn**
shut off cock

4 **Sammelblock**
storage block

5 **Steuerschieber**
control valve

6 **Prüfanschluss**
dial gauge connection

7 **Sammelblock**
storage block

8 **Folgesteuerungsventil**
sequence valve

9 **Überlastblock**
overload block

10 **Doppeltes Schwenkwerk**
twin traversing gear

11 **Doppeltes Lasthalteventil**
twin load holding valve

12 **Lasthalteventil**
load holding valve

13 **Hubzylinder**
main boom cylinder

14 **Schlauchkupplung**
hose coupling

15 **Lasthalteventil**
load holding valve

16 **Knickzylinder**
outer boom ram

17 **Vorgespanntes Rückschlagventil**
pre stressed check valve

18 **Lasthalteventil**
load holding valve

19 **Schubzylinder I**
boom extension ram I

20 **Schubzylinder II**
boom extension ram II

21 **Schubzylinder III**
boom extension ram III

22 **3/2 Wegeventil**
3/2 directional control valve

23 **Druckspitzenschalter**
pressure peak button

24 **Drosselventil**
throttle valve

25 **Greiferzylinder**
grab cylinder

26 **Rotator**
rotator

27 **Seilwinde**
cable winch

28 **Wechselventil**
shuttle valve

29 **Schubzylinder IV**
boom extension ram IV

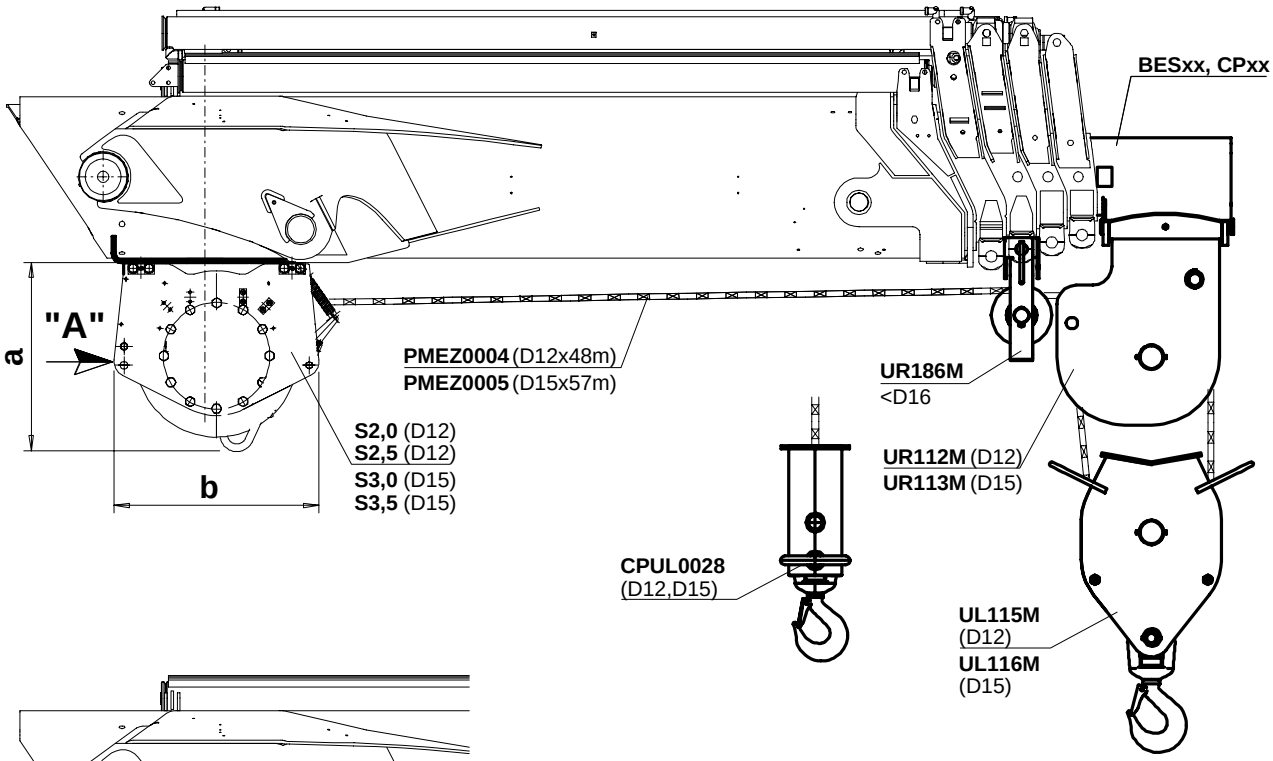
30 **Lasthalteventil**
load holding valve

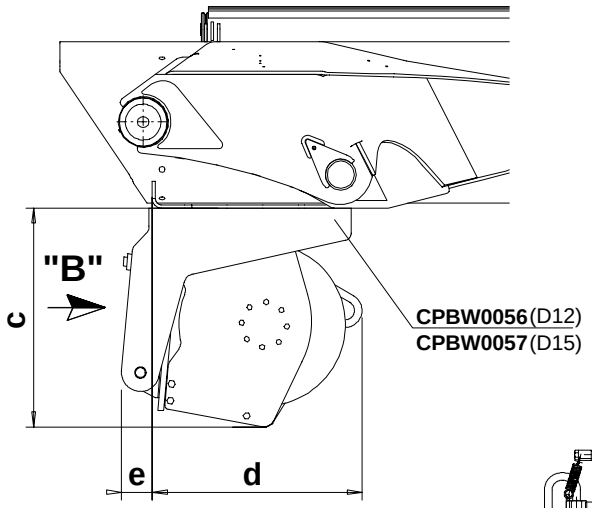
31 **Schubzylinder V**
boom extension ram V

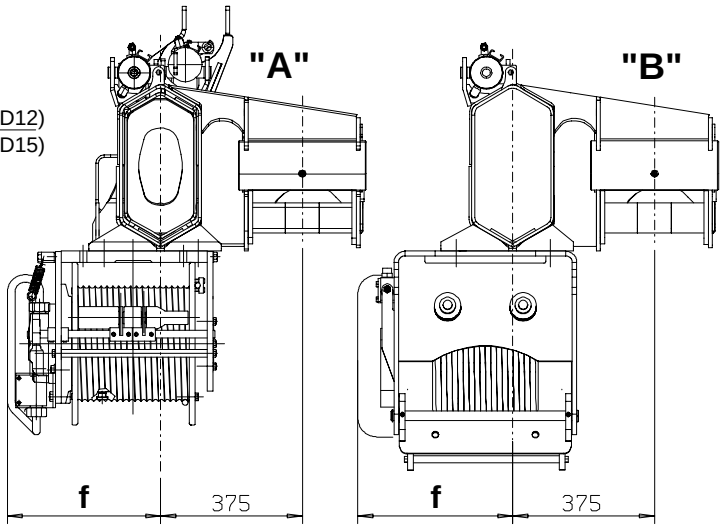
32 **Vorspannventil**
pre tension valve

33 **Rückschlagventil**
check valve

BESxx, CPxx: Muß nach Schubarm und Seilwinde individuell konstruiert werden.
BESxx, CPxx: Must designed at boom extension and rope winch individual.







Konstruktionsänderungen vorbehalten, fertigungstechn. Toleranzen müssen berücksichtigt werden.
Subject to change, production tolerances have to be taken into account.

	a	b	c	d	e	f					
S2,0; S2,5	440	500	510	490	110	420					D12
S3,0; S3,5	500	550	580	530	140	480					D15

PALFINGER

PK 32080 M

S2,0(S); S2,5(S); S3,0(S); S3,5(S)

Seilwindenaufbau
Cable winch assembly

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Ausgabe / *Edition*

	S2,0		S2,5		S3,0		S3,5			
MA	●	●	●	●	●	●	●	●		
	BES07		BES07		BES07		BES07			
MB	●	●	●	●	●	●	●	●		
	BES04		BES04		BES04		BES04			
V1MB	●	●	●	●	●	●	●	●		
	BES05		BES05		BES05		BES05			
V2MB	●	●	●	●	●	●	●	●		
	BES20		BES20		BES20		BES20			
V3MB	●	●	●	●	○	○	○	○		
	BES03		BES03							
V4MB	●	●	○	○	○	○	○	○		
	BES09									
V5MB	○	○	○	○	○	○	○	○		
MC	●	●	●	●	●	●	●	●		
	BES05		BES05		BES05		BES05			
V1MC	●	●	●	●	●	●	●	●		
	BES20		BES20		BES20		BES20			
V2MC	●	●	●	●	○	○	○	○		
	BES03		BES03							
V3MC	●	●	○	○	○	○	○	○		
	BES09									
V4MC	○	○	○	○	○	○	○	○		
MD	●	●	●	●	●	●	●	●		
	BES20		BES20		BES20		BES20			
V1MD	●	●	●	●	○	○	○	○		
	BES03		BES03							
V2MD	●	●	○	○	○	○	○	○		
	BES09									
V3MD	○	○	○	○	○	○	○	○		

● **Möglich** / *Possible*

○ **Nicht möglich** / *Not possible*

Einsträngig / *Single line*

Zweisträngig / *Double line*

Konstruktionsänderungen vorbehalten, fertigungstechn. Toleranzen müssen berücksichtigt werden.
Subject to change, production tolerances have to be taken into account.

Keine CE–Ausführung bei Verlängerung!
No CE–execution with man. boom extension!

	BES03	BES04	BES05	BES07	BES09	BES20	CPBW0056	CPBW0057	CPUL0028	S2,0
Gewicht: *Weight:*	41 kg	60 kg	39 kg	39 kg	24 kg	45 kg	62 kg	77 kg	20 kg	128 kg
	S2,5	**S3,0**	**S3,5**	**PMEZ0004**	**PMEZ0005**	**UL115M**	**UL116M**	**UR112M**	**UR113M**	**UR186M**
Gewicht: *Weight:*	128 kg	250 kg	250 kg	36 kg	66 kg	30 kg	52 kg	29 kg	52 kg	8 kg
Gewicht: *Weight:*										