

Big Chinook



Ein Bausatz erdacht von
Theo van Houten
entstanden in Kooperation
mit **VARIO Helicopter**

A kit envisioned by
Theo van Houten
created in cooperation with
VARIO Helicopter

Sehr geehrter Kunde,
der von Ihnen erworbene Bausatz enthält entsprechende Teile zur Erstellung eines funktionsfähigen Flugmodells.
Auf Zusammenbau, Einstellungen und Inbetriebnahme haben wir keinen Einfluß und weisen daher noch ausdrücklich darauf hin, daß Ihre individuelle Vorgehensweise einzig und allein auf Ihrem Kenntnisstand und Beurteilungsvermögen beruht.
Die Bauplanmappe dient dabei als entsprechende Orientierung, jedoch nicht als maßgeblicher Weg:
Unterschiedliche Vorgehensweisen können zum Ziel führen.
Prüfen Sie vor jedem Bauabschnitt sorgfältig Ihr Vorhaben und entscheiden Sie eigenverantwortlich über Ihren persönlichen Weg.

Dear customer,
The kit you have purchased contains the components required to build a model aircraft which is capable of flying.
We have no influence over the methods you use to assemble, set up and operate the model, and for this reason we are obliged expressly to point out to you that the methods you use rely solely on your own knowledge, experience and analytical ability.
The Plan Folder is designed to help you in this undertaking, but it does not represent a unique way of proceeding:
There are more ways than one to reach a particular destination. Before you start each stage of construction, check carefully what you intend to do, and accept the responsibility to decide on your own personal method.

Spettabile cliente,
la scatola di montaggio da voi acquistata contiene le parti necessarie per la costruzione di un modello funzionante, in grado di volare.
Per quanto riguarda i metodi per il montaggio, la messa a punto e la messa in funzione noi non abbiamo nessuna influenza e vogliamo sottolineare esplicitamente che il vostro modo d'agire dipende soltanto dal vostro livello di conoscenza e dalla vostra capacità di valutazione. Le istruzioni di montaggio servono solo per un migliore orientamento e non rappresentano l'unico modo di procedere: diversi sono i modi di procedere che possono dare l'effetto desiderato.
Prima di realizzare ogni fase di lavoro verificate attentamente il vostro progetto e scegliete in maniera responsabile il vostro obiettivo.

Cher Client,
La boîte de construction que vous avez acquise, comprend tous les composants nécessaires pour la réalisation d'un modèle d'hélicoptère fonctionnel.
Nous n'avons pas d'influence sur la manière dont vous assemblez, ajustez, et mettez en service ces composants. Nous vous informons donc expressément que votre façon de procéder dépend uniquement et exclusivement de vos connaissances, compétences et jugements. Le cahier de plans sert de guide d'orientation, mais ne trace pas un chemin exclusif: Différentes méthodes d'opération peuvent mener au même résultat. Vérifiez avant chaque stade de construction le but à atteindre et choisissez le chemin qui vous semble le plus approprié.

Geachte klant,
De door uw gekochte bouwdoos bevat alle onderdelen om een functionerend vliegmodel te maken. Op het bouwen, afstellen en het in gebruik nemen van uw model hebben wij geen invloed, en wij wijzen er nadrukkelijk op, dat uw individuele zienswijze alleen op uw kennis en beoordelingsvermogen berust.
De bouwtekening dient daarbij alleen als een oriëntering, echter niet als een dwingend advies. Verschillende bouwconstructies kunnen tot hetzelfde doel leiden.
Test elke bouwfase zorgvuldig, en beslis over uw eigen verantwoordelijkheid m.b.t. het in gebruik nemen van uw model.



Ord.No. 11/31
Schneidezange für
Stahldraht
Wire cutters for steel
wire



Ord.No. 11/26
Scheibenschere
Glazing panel shears



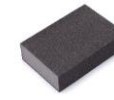
Ord.No. 11/59
Schneidewerkzeug
Skalpell & Stahllineal
Cutting tool set
(scalpel + ruler)
Ord.No. 11/58
Skalpell
Scalpel



Ord.No. 90/10
Feilen-Set mit Griff
6-teilig
File set with handle, six-
part



Ord.No. 11/28
Schmiergelfeile 25cm, gerade
Glasspaper file, flat



Ord.No. 10/77
Schleifschwamm
Sanding sponge



Ord.No. 90/53
Schleifklotz angeschrägt
Wedge Sanding Block



Ord.No. 11/29
Widia Trennscheibe
Widia disc cutter



Ord.No. 11/36
Trennscheiben-Satz
5 Stück
Disc cutter set, 5 pcs



PERMA-GRIT
Ord.No. 90/54
Schleifstift Ø 4mm fein
Rotary File 4 mm Rod,
Fine
Ord.No. 90/55
Schleifstift Dom Ø
7mm
Rotary File, dome head,
7 mm, fine



Ord.No. 90/40
Nadelfeilen-Set, bestehend aus:
Needle file set consisting of:
Ord.No. 90/46 Handgriff
File Handle
Ord.No. 90/41 Feile dreikant
Needle file, triangular
Ord.No. 90/42 Feile flach
Needle file, flat
Ord.No. 90/43 Feile rund
Needle file, round
Ord.No. 90/44 Feile Halbround
Needle file, half round
Ord.No. 90/45 Feile viereckig
Needle file square



PERMA-GRIT
Ord.No. 90/57
Trennscheibe Ø 13mm
Cutting Disc 19 mm
with arbour
Ord.No. 90/56
Trennscheibe Ø 32mm
Jeweils inkl.
Aufspanndorn
Cutting Disc 32 mm
with arbour



Ord.No. 90/51
Handfeile viereckig 6mm
hand file 6mm square
Ord.No. 90/49
Handfeile rund Ø 6mm
Round File Ø 6mm, Fine
Ord.No. 90/50
Handfeile halbrund
Half Round File



Ord.No. 90/47
Handfeile flach
Flat File, Fine
Ord.No. 90/52
Handfeile viereckig
Slot File, 6mm, Fine
Ord.No. 90/48
Handfeile rund Ø 12mm
Round File 12mm Fine



Ord.No. 11/91
Maulschlüssel 4 / 5mm
Open-end spanner, size 4
and 5

Ord.No. 11/92
Maulschlüssel 4,5 / 5,5mm
Open-end spanner, size
4.5 and 5.5

Ord.No. 11/94
Maulschlüssel 7 / 8mm
Open-end spanner, size 7
and 8



Ord.No. 111/20
Innensechskant-Satz
Allen key set

Ord.No. 111/20
Griff für Klingen Sechskant Ø
6mm
Handle for socket spanners
Ø 6mm



Ord.No. 11/18
Steckschlüssel M3, SW 5,5mm
Socket spanner M 3 nut



Ord.No. 11/64
Lochfräser bis Ø 16mm
Hole cutter up to Ø 16
mm



Ord.No. 11/43
Schälbohrer mit Handgriff
bis Ø 14mm
Hole-cutter, 3 to 14 mm
diameter, with handle



Ord.No. 11/96
Spiralbohrer Ø 1,2mm
Twist drill 1.2 mm
Ord.No. 11/98
Spiralbohrer Ø 3mm
Twist drill 3.0 mm



Ord.No. 10/360
Vario Extrem-Fett
Vario Extreme
Grease

Ord.No. 10/131
Klebeset, bestehend aus:
Glue kit consisting of:



Hochleistungs-Expoydharz,
200g + Härter, 80 g
High power epoxi resin
200g + 80g hardener

Speedy Combine-Pulver
Speedy Combine Powder

Für glasklare Verklebungen
Superglue for bonding crystal
clear, no mist

Poxan 30, 10g

Sekundenkleber dickflüssig
Cyano glue, high viscosity

Sekundenkleber dünnflüssig
Cyano glue, low viscosity

Aktivatorspray
Activator spray

Ord.No. 10/123

Ord.No. 10/124

Ord.No. 623

Ord.No. 10/125

Ord.No. 10/127

Ord.No. 10/29

Weitere Klebstoffe
More adhesives

Sekundenkleber, schwarz, 20 ml
Super glue (Cyno), Black

Sekundenkleber, 20 ml für glasklare
Verklebungen
Superglue for bonding crystal
clear, no mist

UHU plus endfest 300, 33 ml
UHU plus endfest 300, 33 g

UHU plus endfest 300, 53 ml
UHU plus endfest 300, 54.4 g

Mischdüsen, 5 Stück
Mixer nozzles for 10/1 dispenser

Dosierpistole
Dispenser for UHU plus
endfest 300

Ord. No.10/126

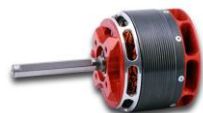
Ord. No.10/128

Ord. No.10/27

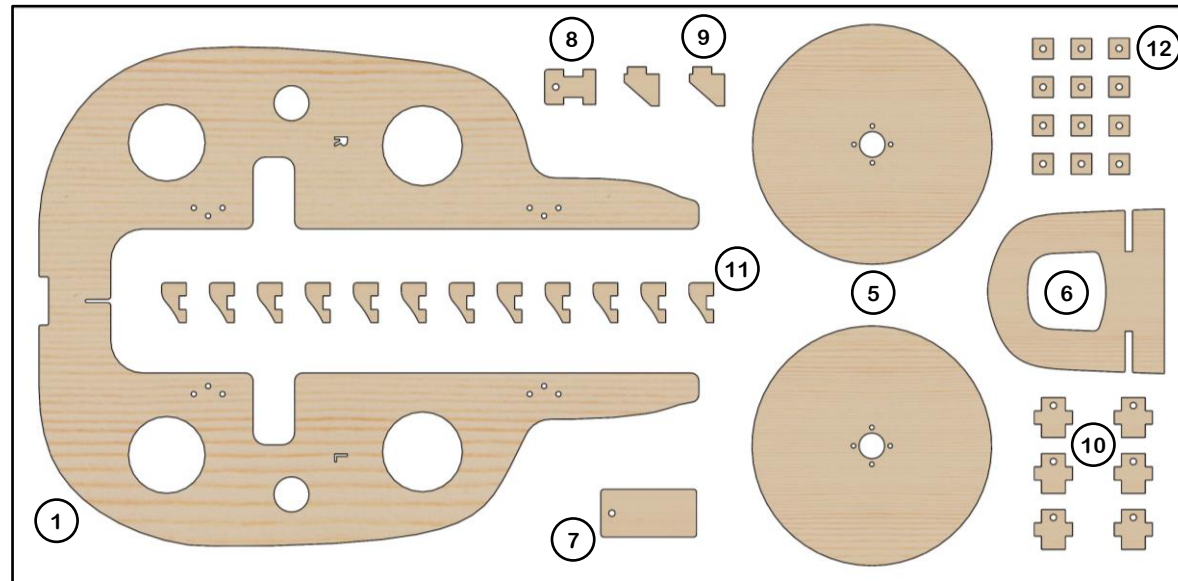
Ord. No.10/3

Ord. No.10/5

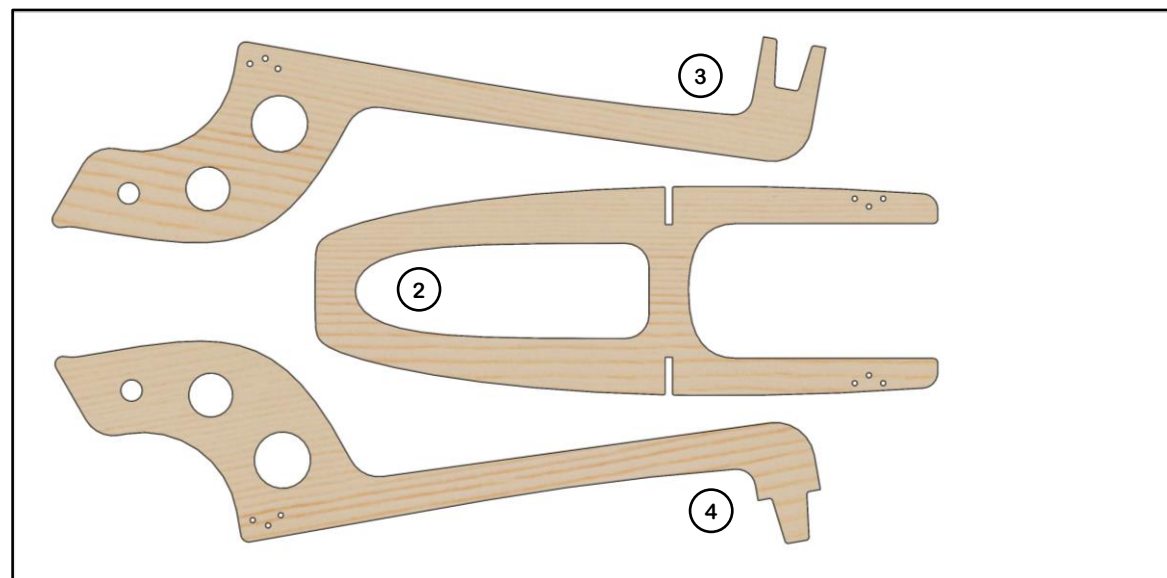
Ord. No.10/1

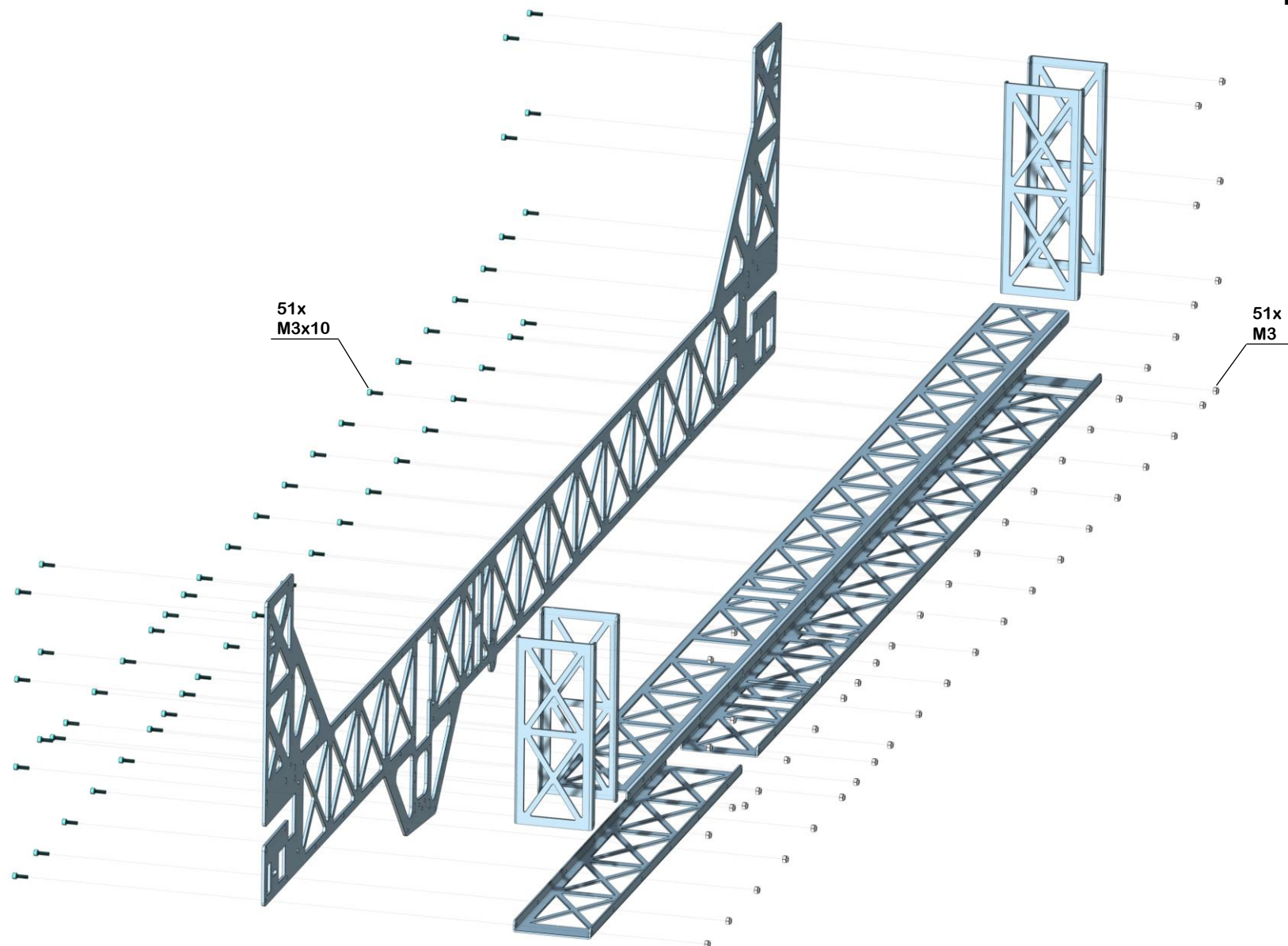
		Ord.No.	
1x	3-Blatt-Satz 2300 mm 1L linksdrehend <i>3-blade-set 2300 mm l.h.r.</i>	413/3	
1x	3-Blatt-Satz 2300 mm 1L rechtsdrehend <i>3-blade-set 2300 mm r.h.r.</i>	413/4	
2x	XL-Tandem Rotorkopf <i>XL-Tandem Rotor Head</i>	703/489	
2x	Taumelscheibenmitnehmer 12mm <i>Swashplate Driver 12mm</i>	68/50	
1x	XL-Tandem Antriebskit <i>XL-Tandem Propulsion Kit</i>	3308/11	
4x	Servo Vario Scale Control	5157	
1x	Regler Kontronik KOLIBRI 140 HV-I <i>Controller Kontronik KOLIBRI 140 HV-I</i>	3308/17	
1x	Bavarian Demon 3SX	3273	

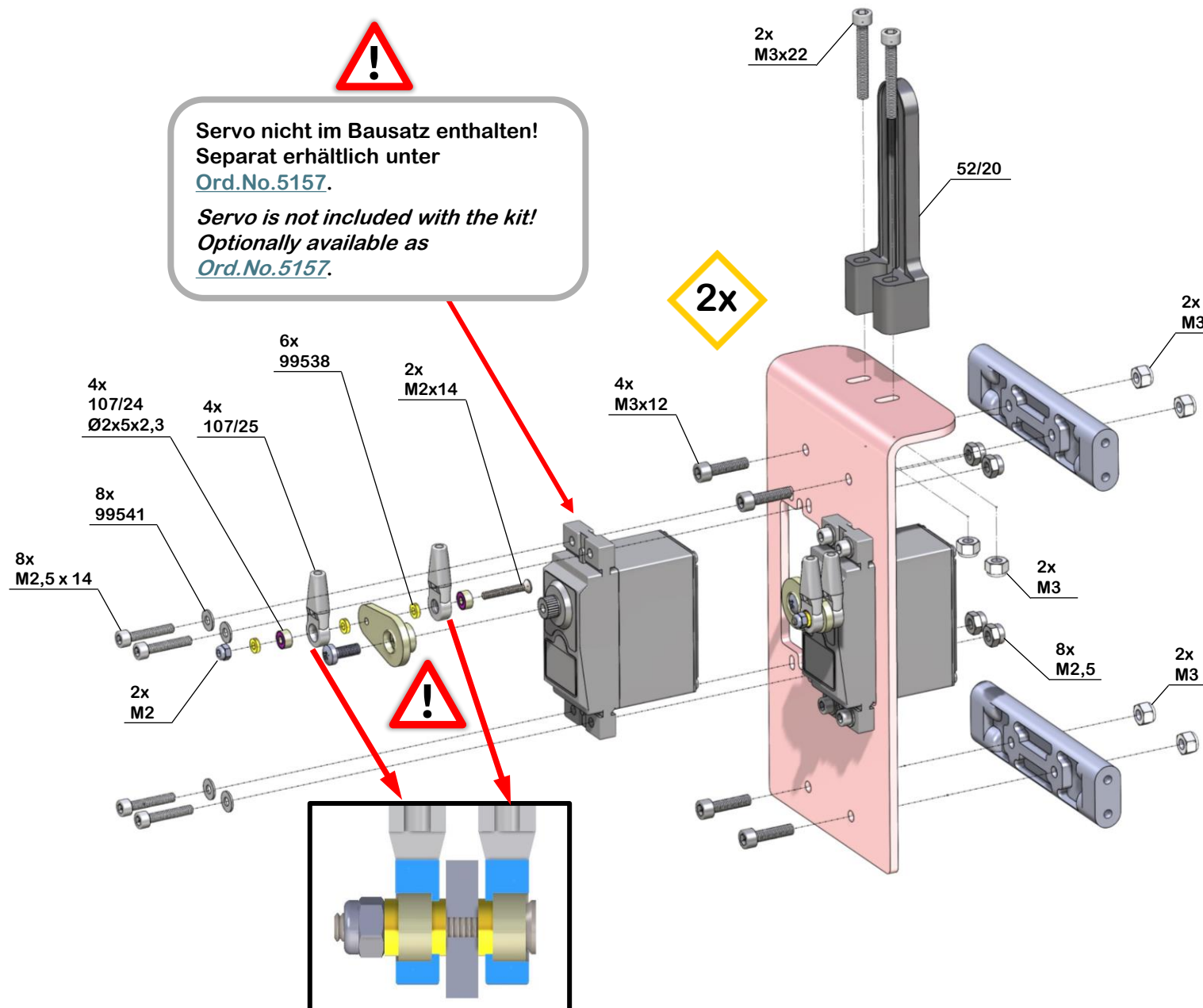
**Platte 1
Sheet 1**



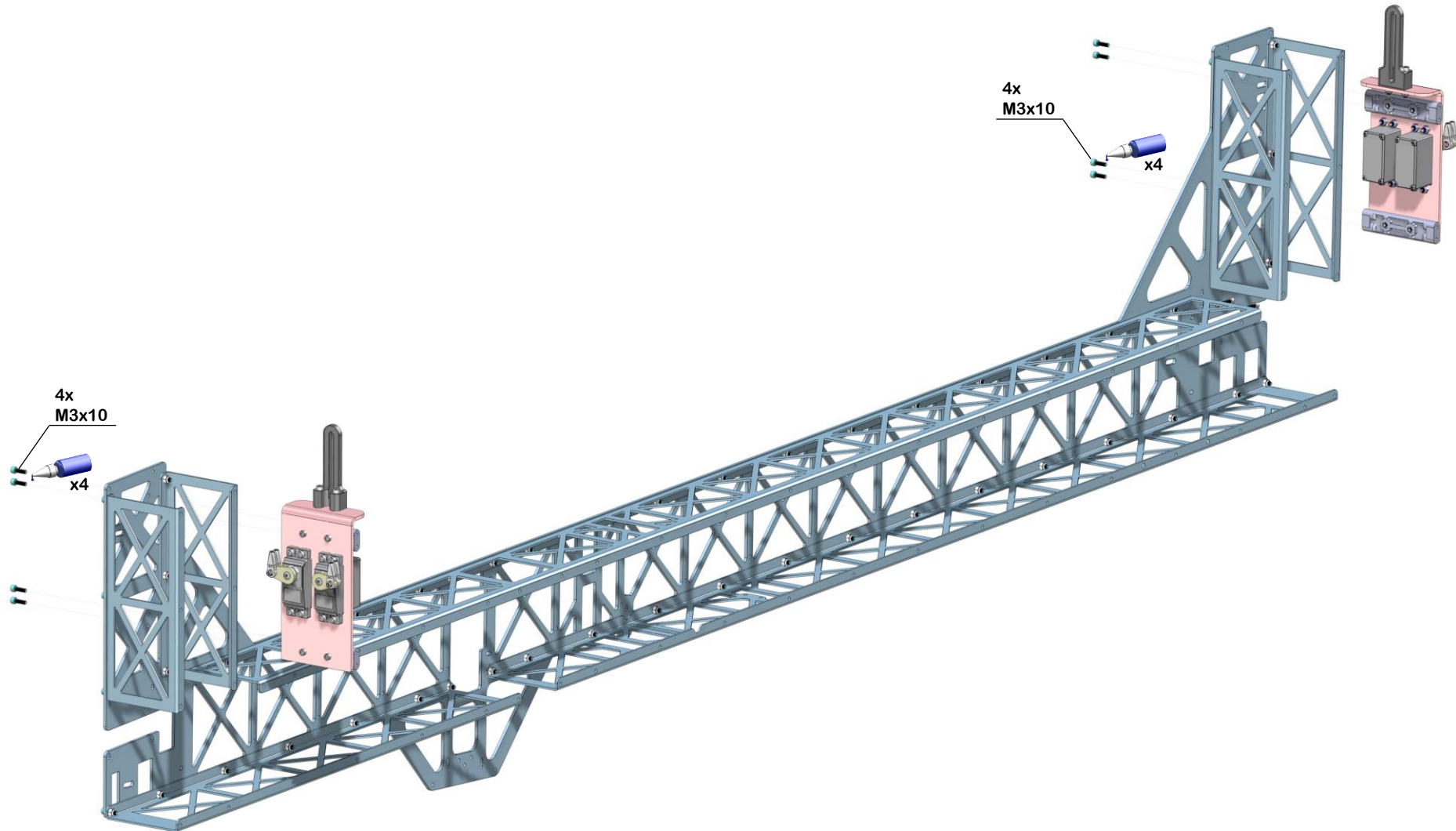
**Platte 2
Sheet 2**

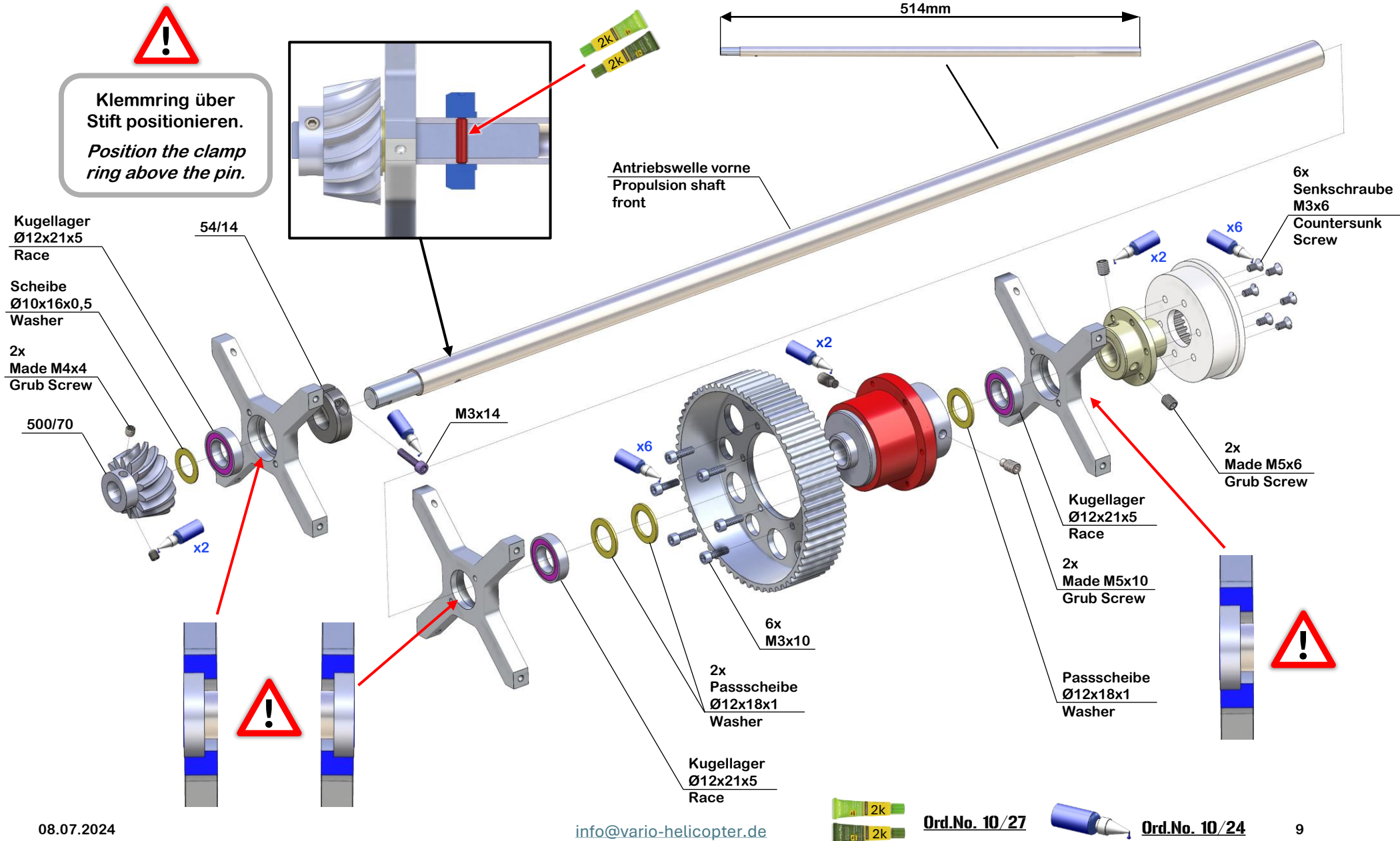


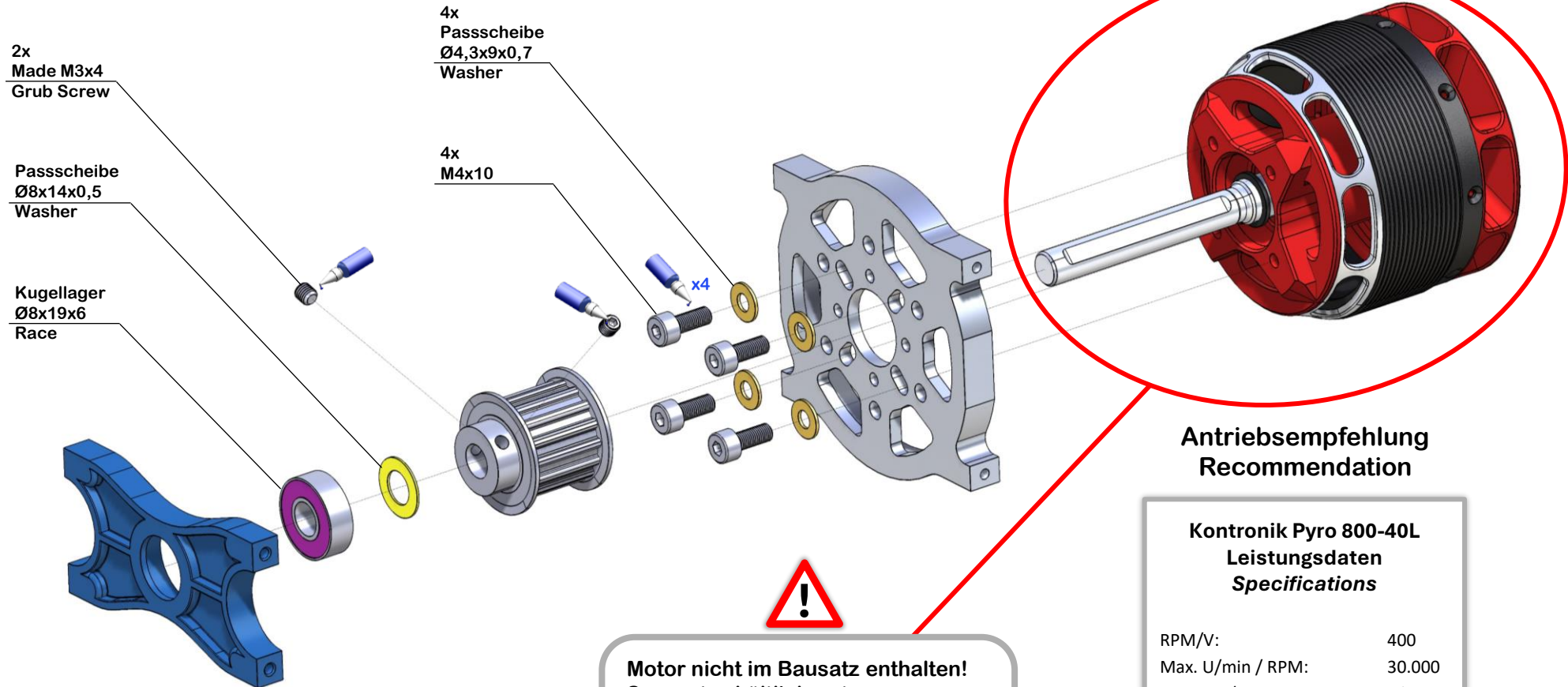




Beutel 3
Bag







**Motor nicht im Bausatz enthalten!
Separat erhältlich unter
[Ord.No. 3308/11](#)**

***Motor is not included with the kit!
Optionally available as
[Ord.No. 3308/11](#).***

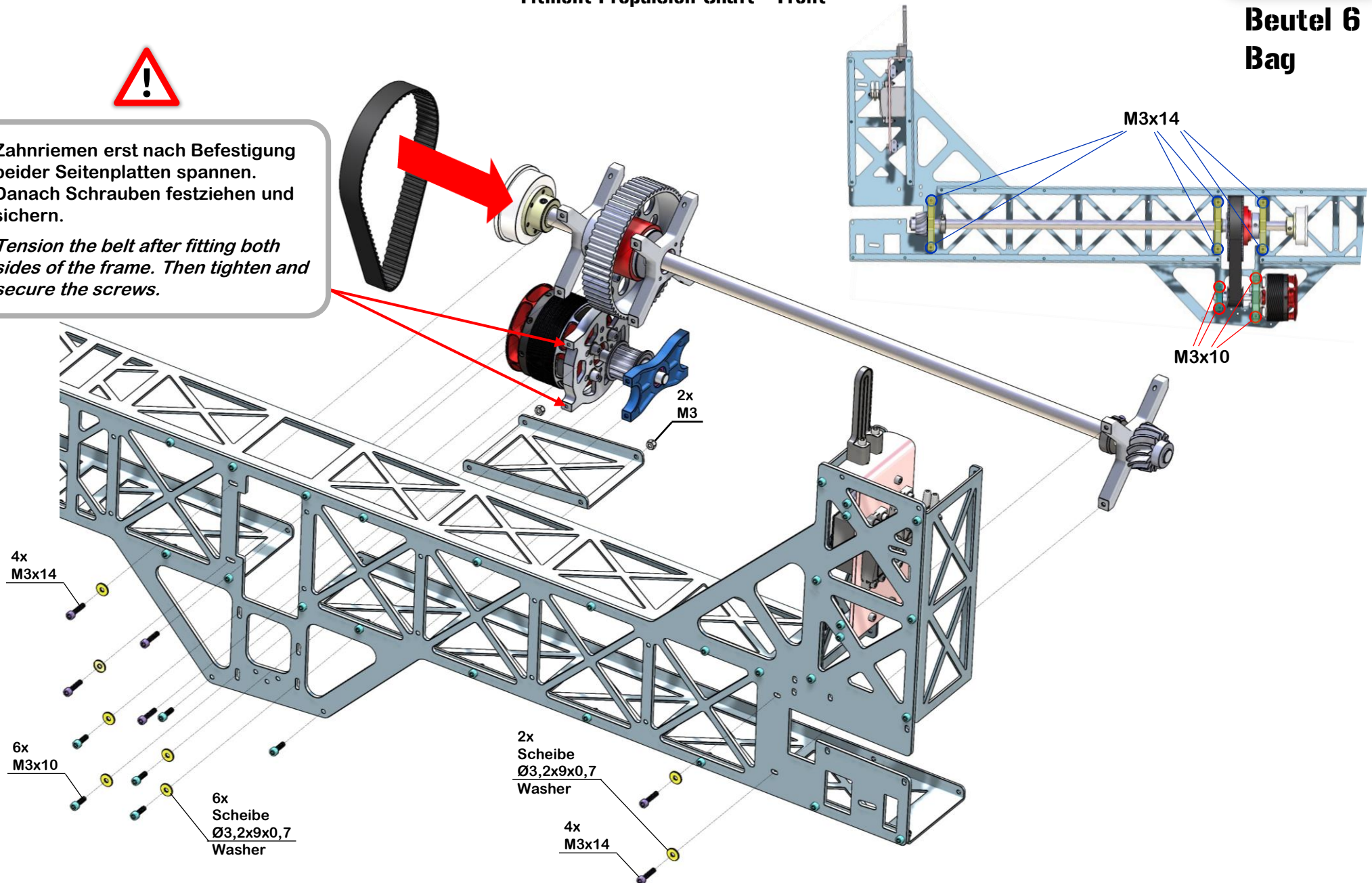
**Kontronik Pyro 800-40L
Leistungsdaten
Specifications**

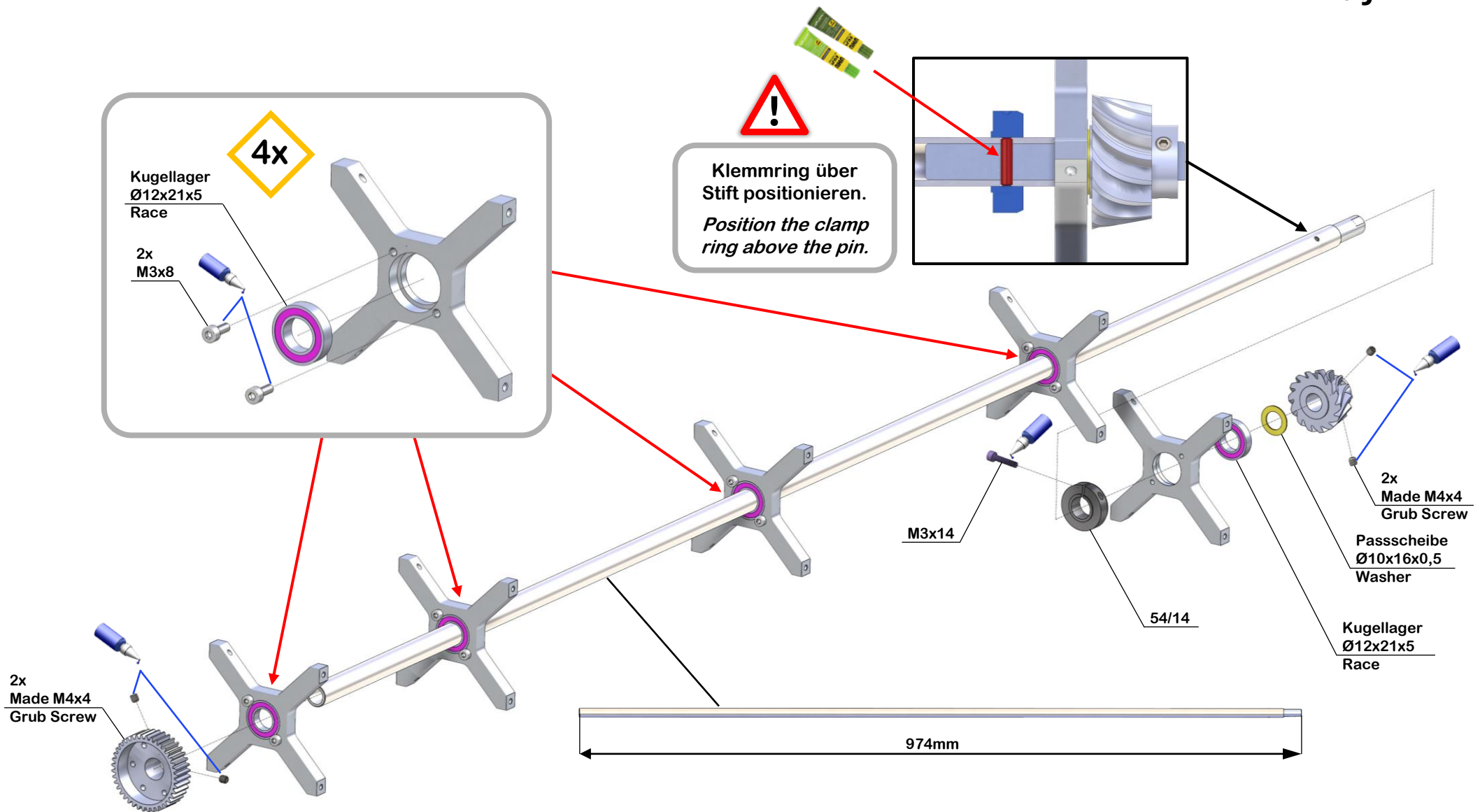
RPM/V:	400
Max. U/min / RPM:	30.000
Leistung / Power:	5 kW
Wellen / shaft Ø:	8mm
Pole / poles:	14
Wellenlänge / shaft length:	55 mm
Gewicht / Weight:	500 g

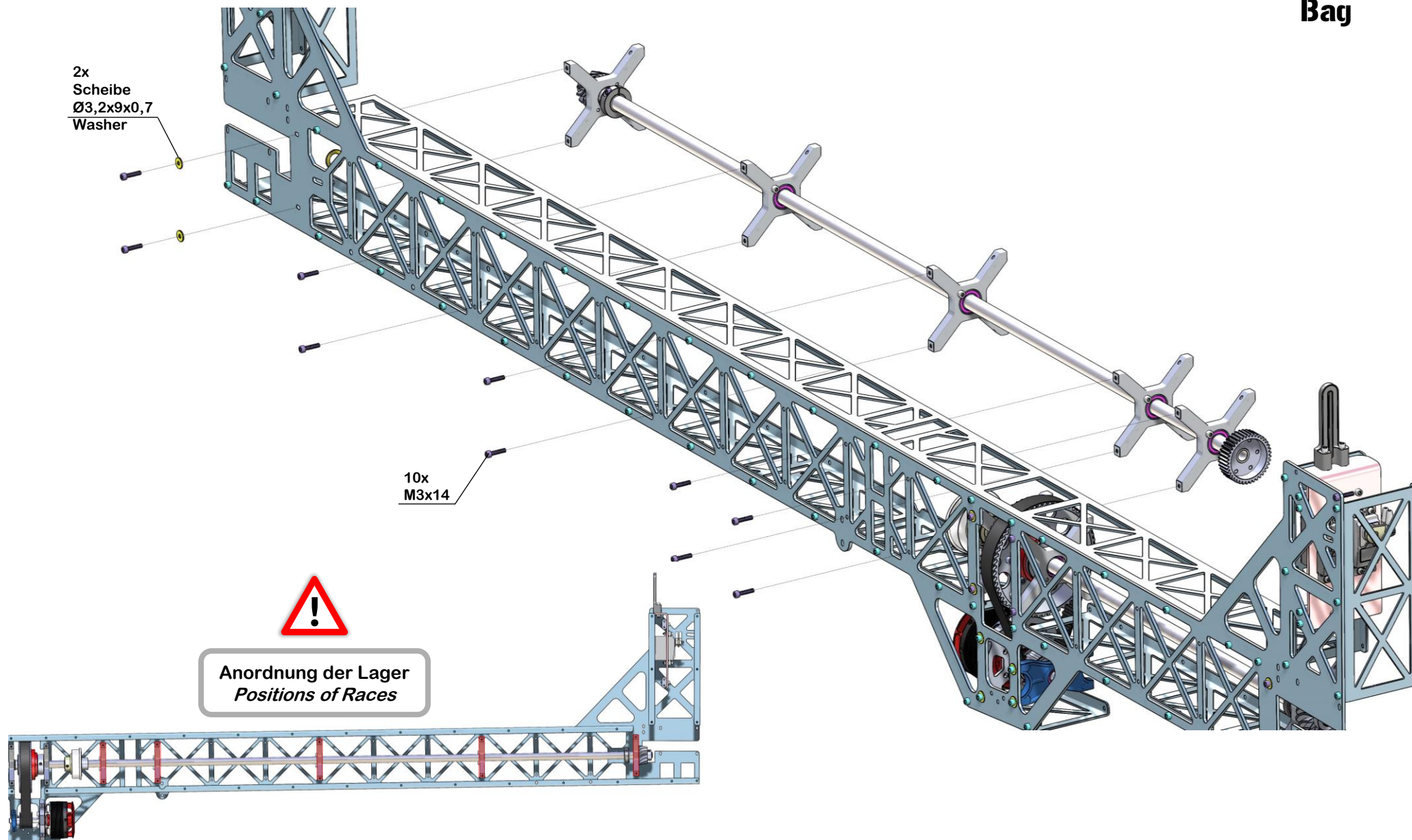


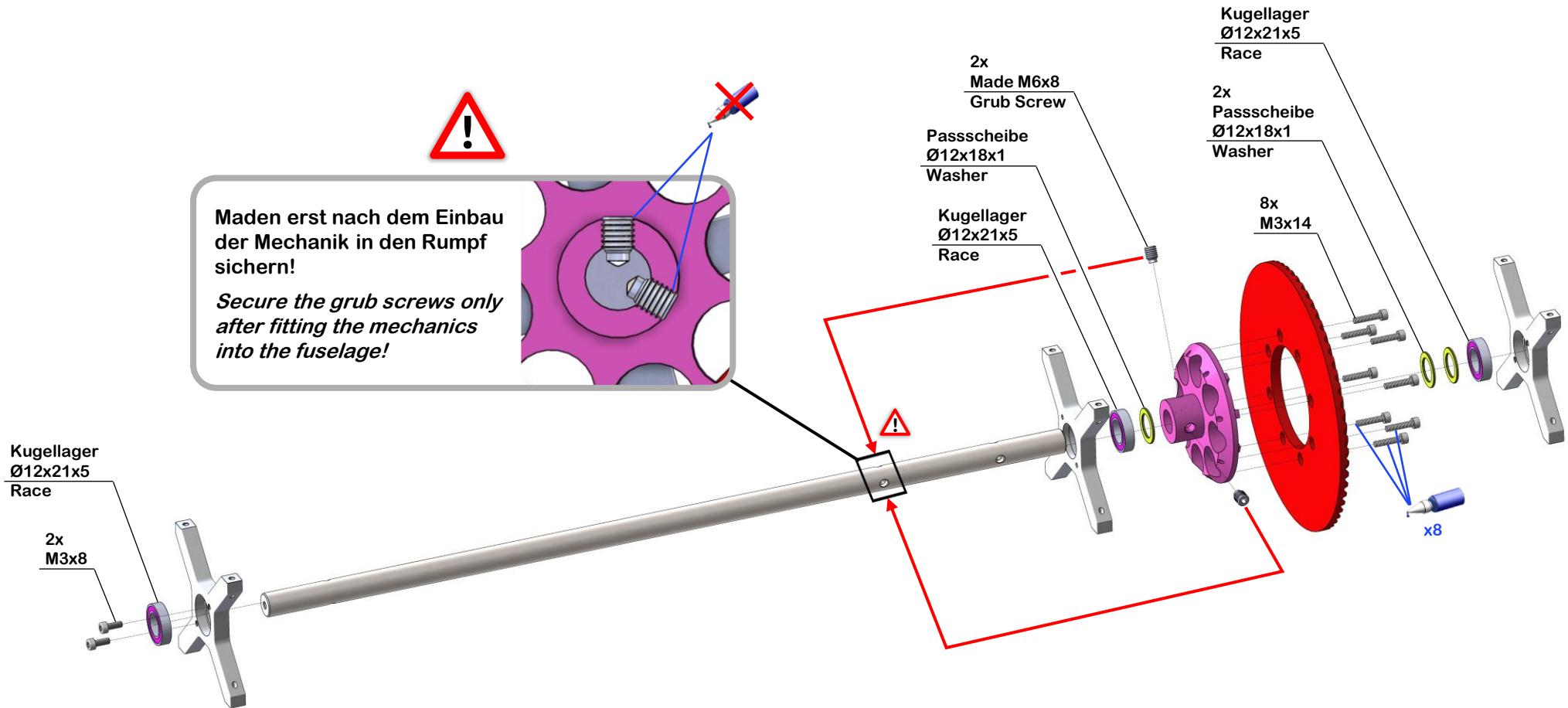
Zahnriemen erst nach Befestigung
beider Seitenplatten spannen.
Danach Schrauben festziehen und
sichern.

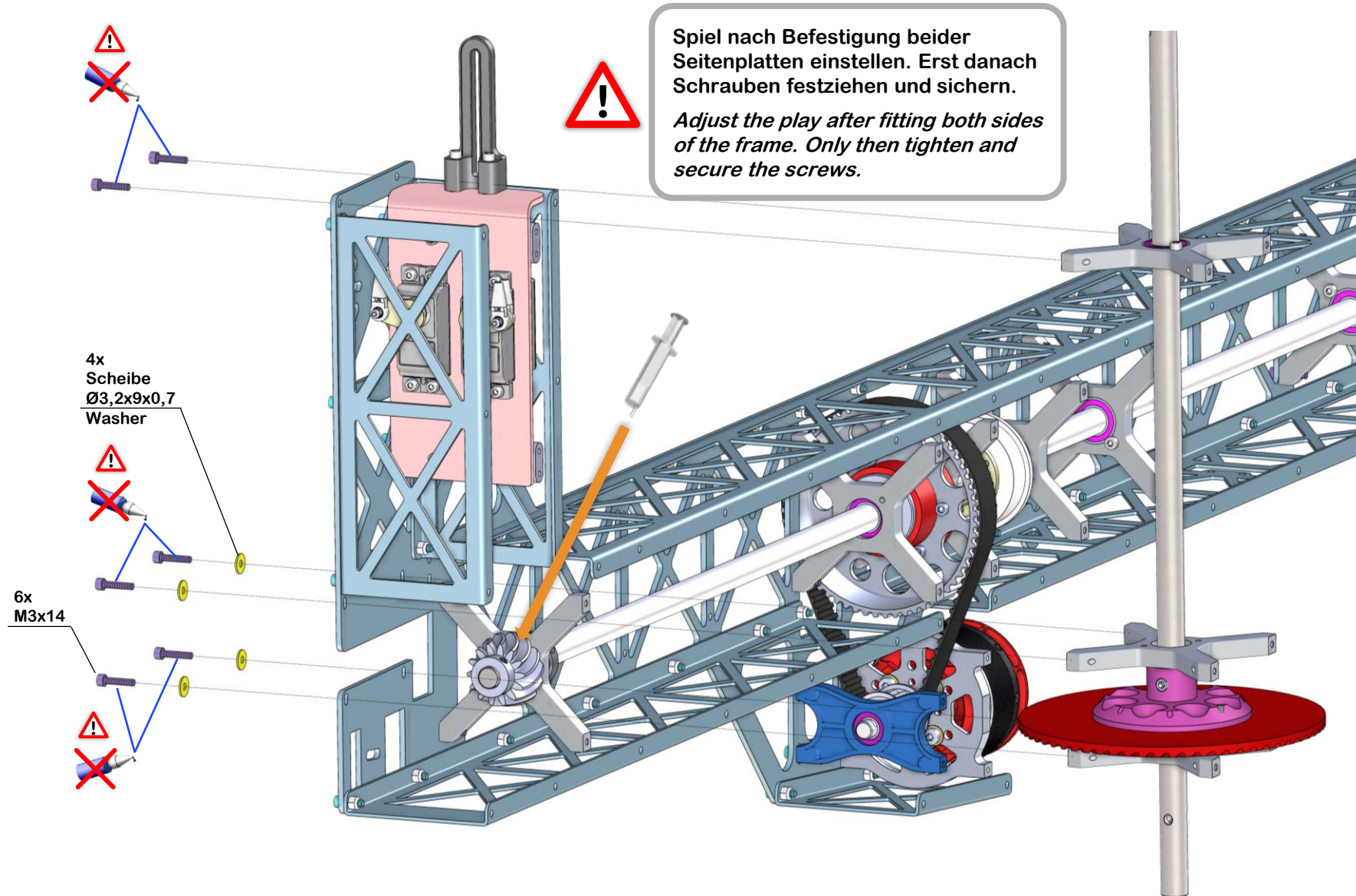
*Tension the belt after fitting both
sides of the frame. Then tighten and
secure the screws.*







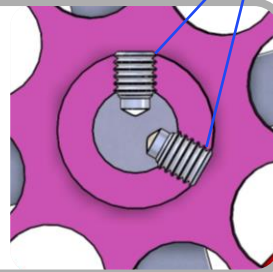






**Maden erst nach dem Einbau
der Mechanik in den Rumpf
sichern!**

*Secure the grub screws only
after fitting the mechanics
into the fuselage!*



2x
Made M6x8
Grub Screw

Passscheibe
Ø12x18x1
Washer

Kugellager
Ø12x21x5
Race

Kugellager
Ø12x21x5
Race

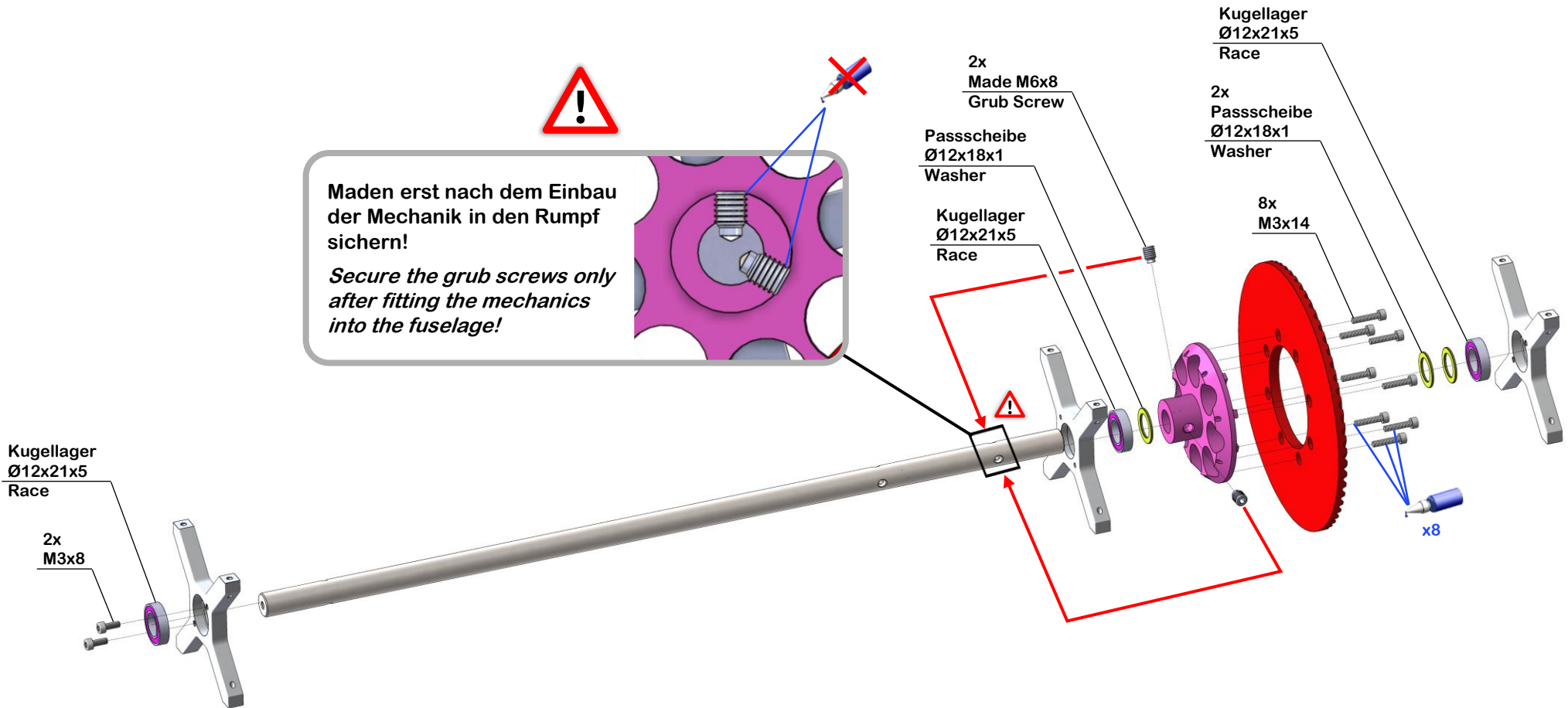
2x
Passscheibe
Ø12x18x1
Washer

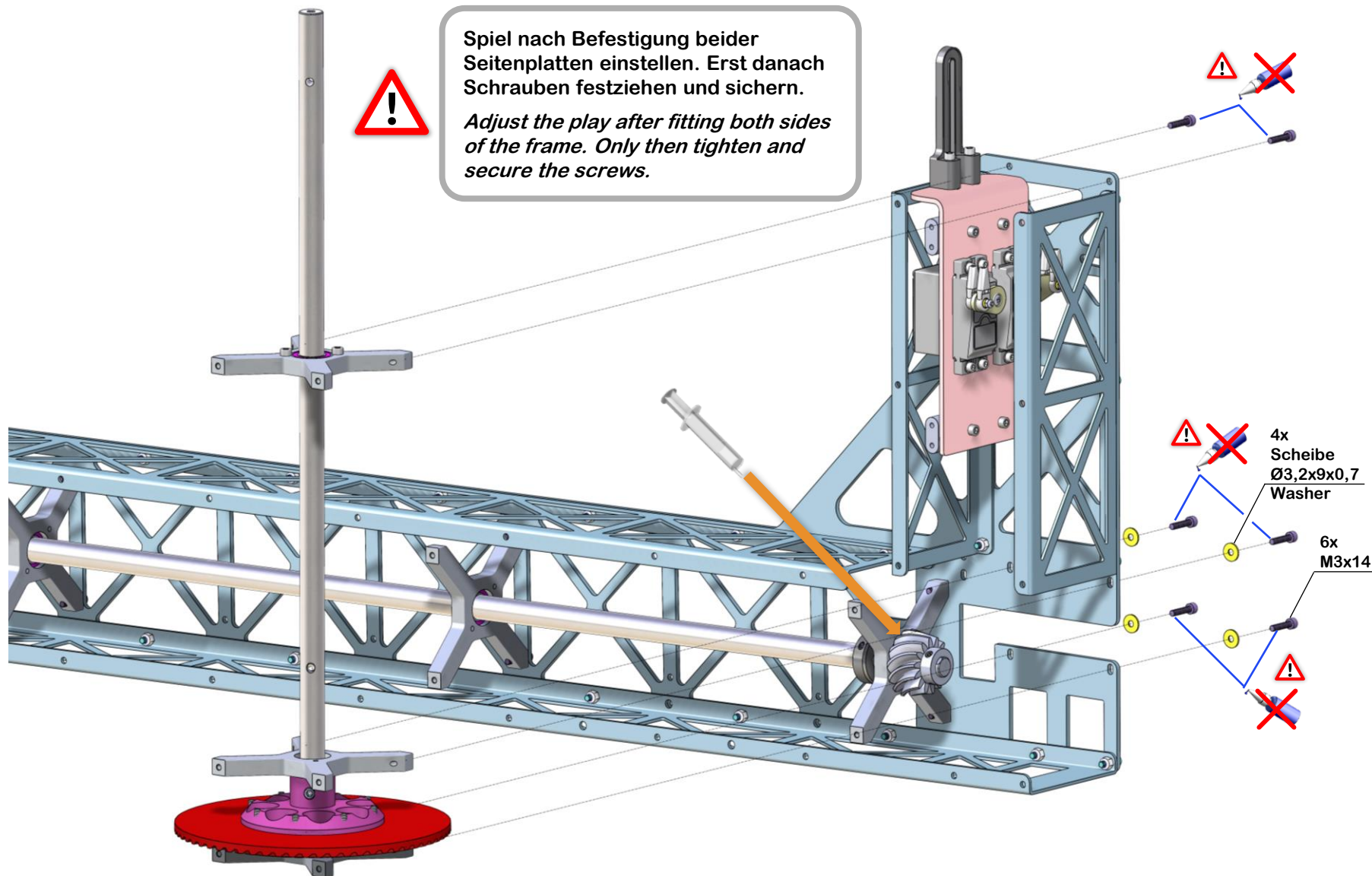
8x
M3x14

Kugellager
Ø12x21x5
Race

2x
M3x8

x8

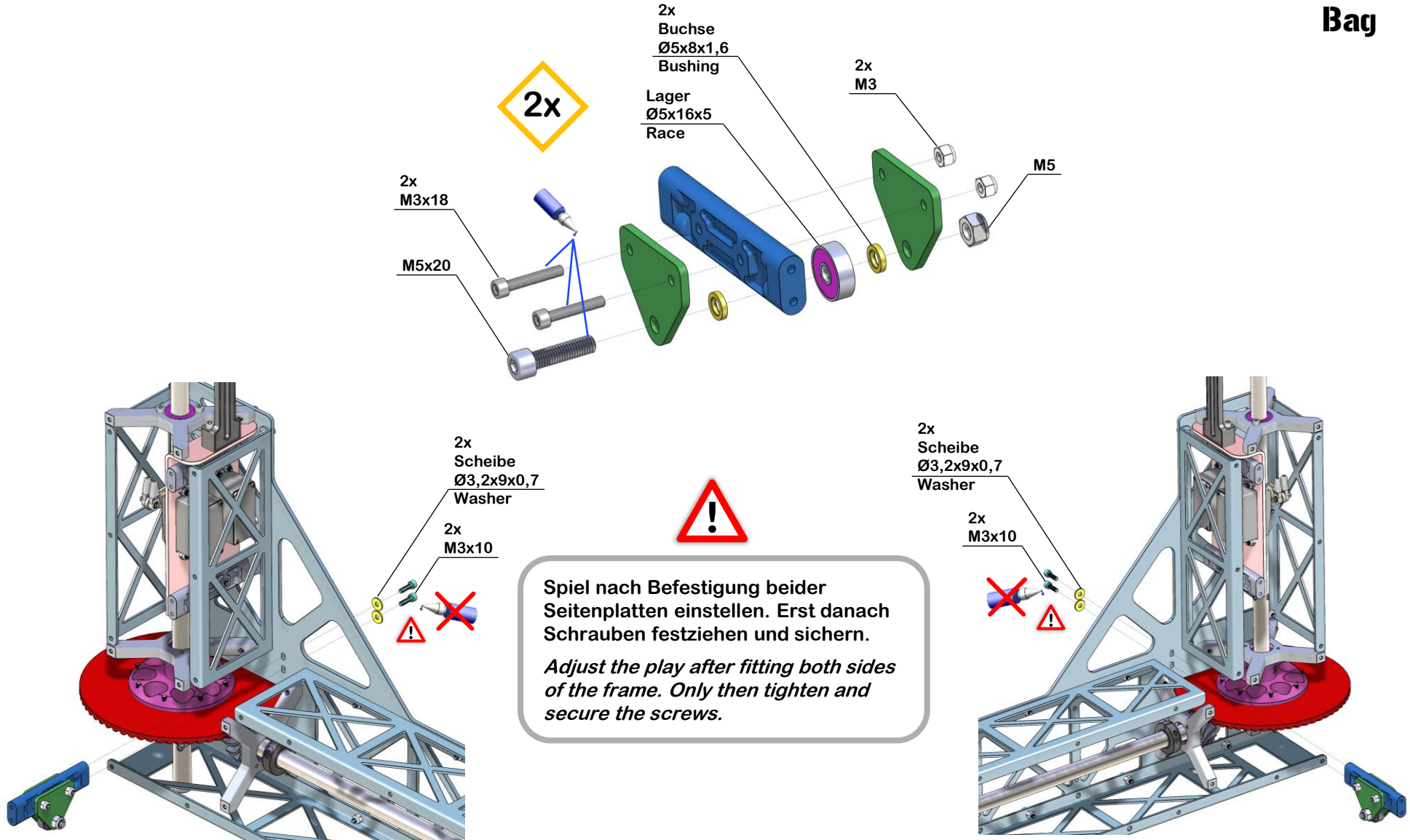


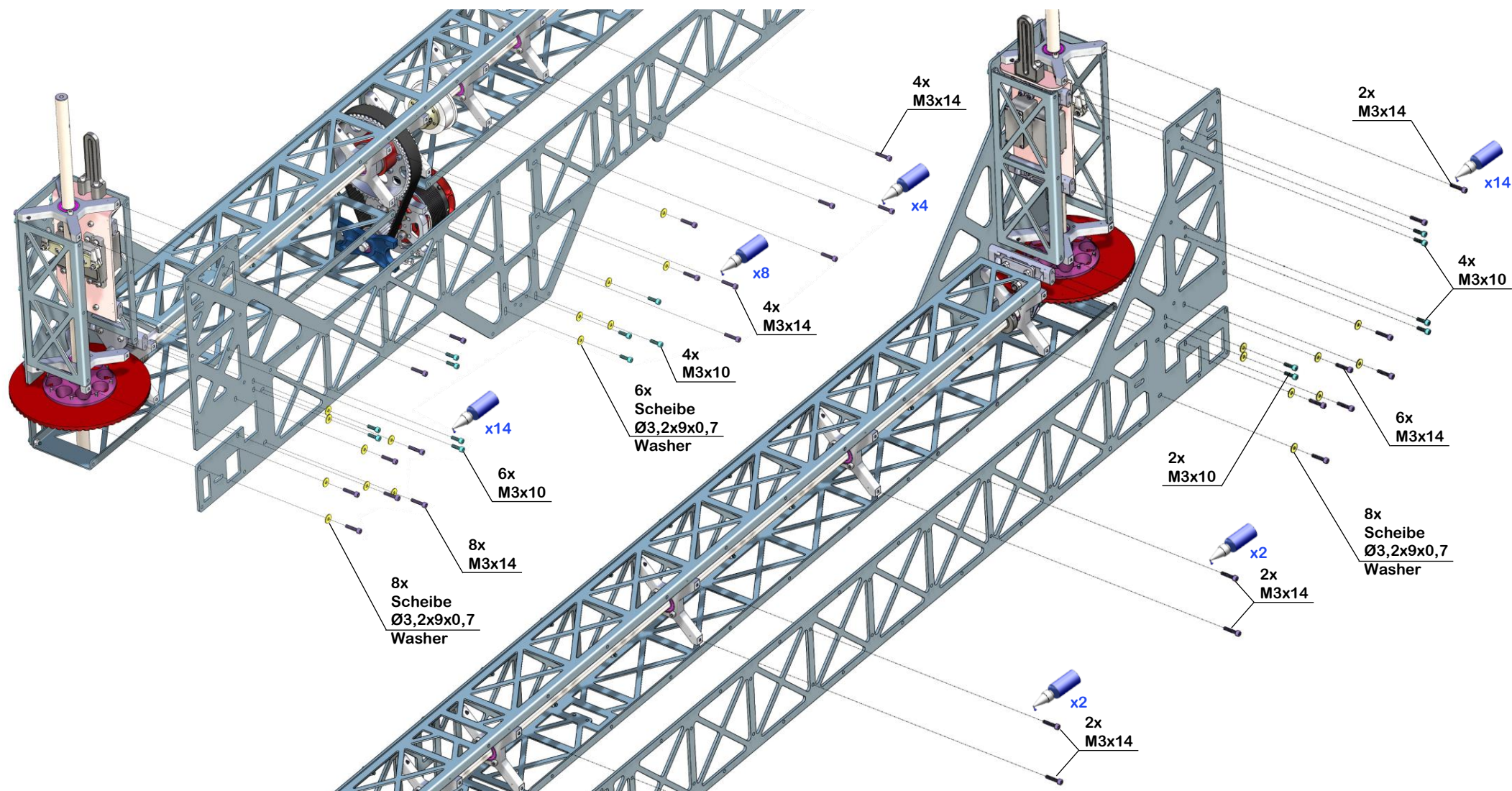


Montage Druckrollen Assembly Rollers

Ord.No. 4890

Beutel 11 Bag

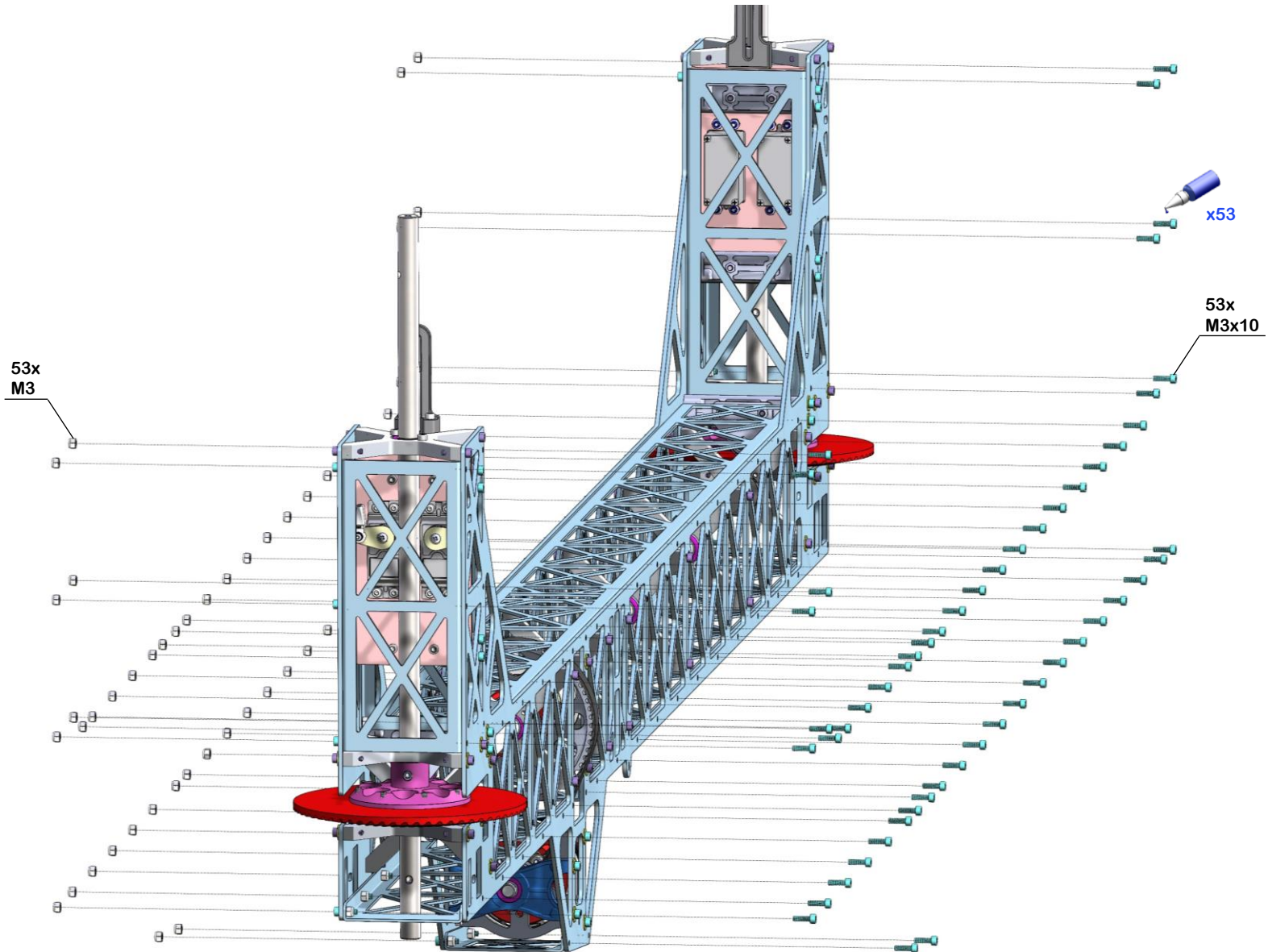


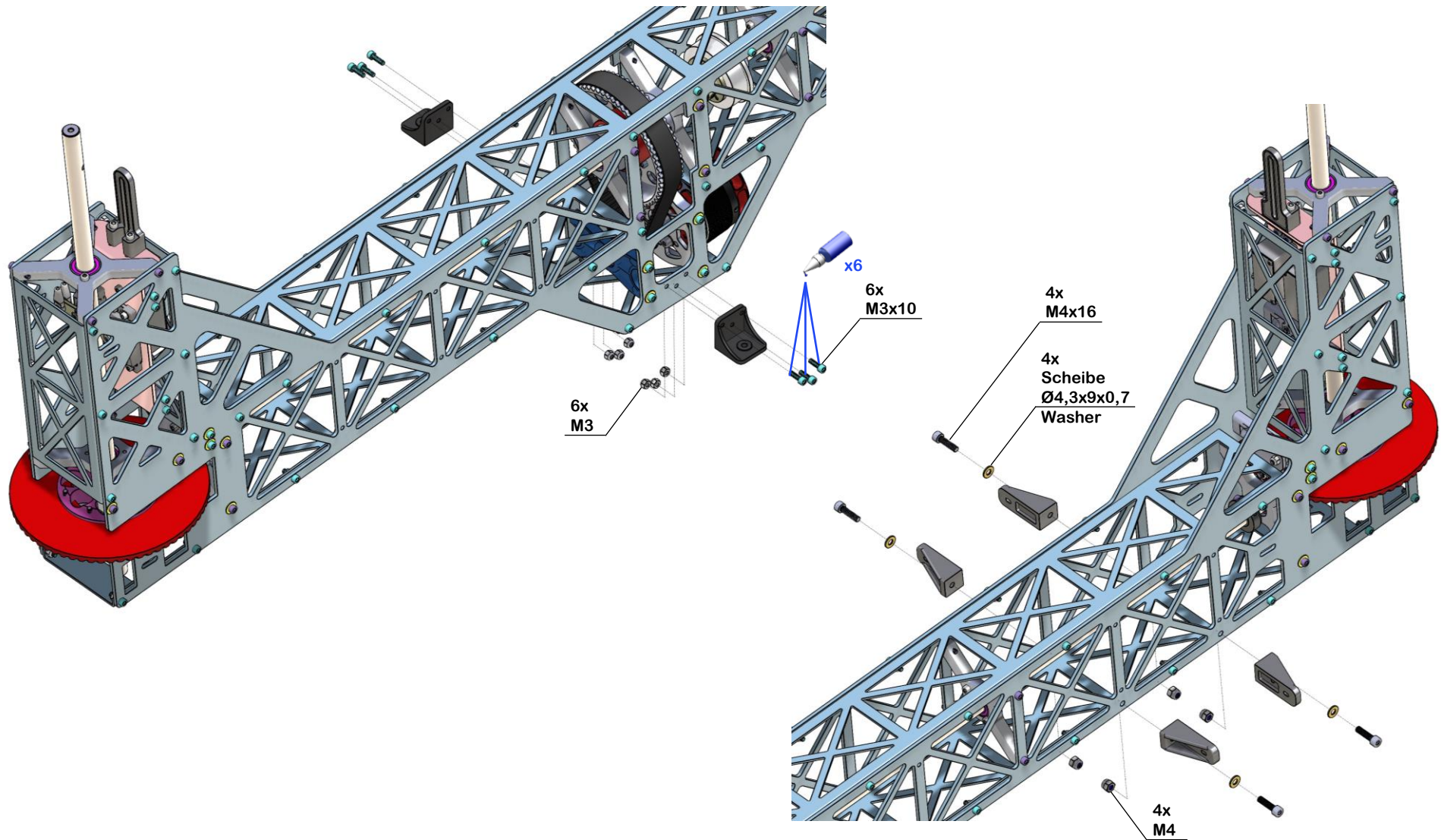


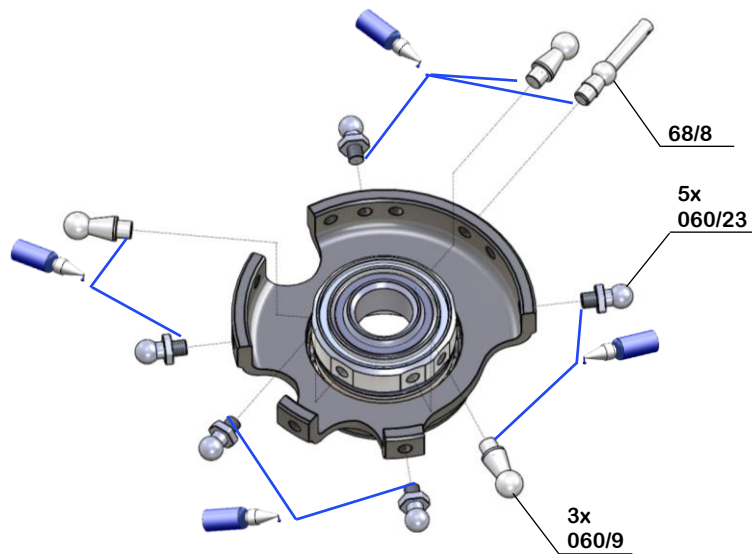
Verschraubung Seitenplatte Bolting Frame Side

Ord.No. 4890

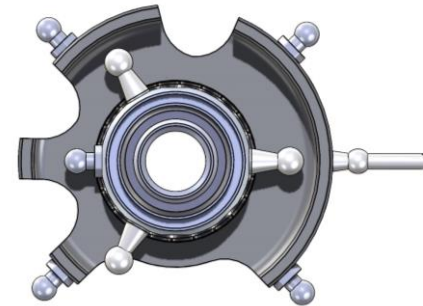
Beutel 12
Bag



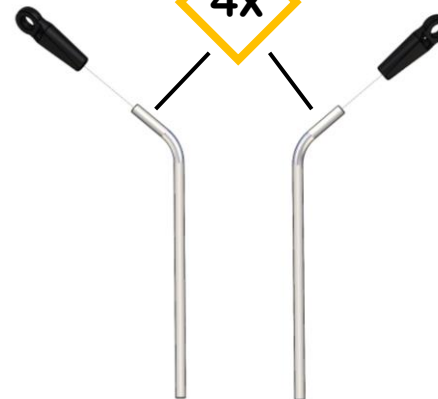


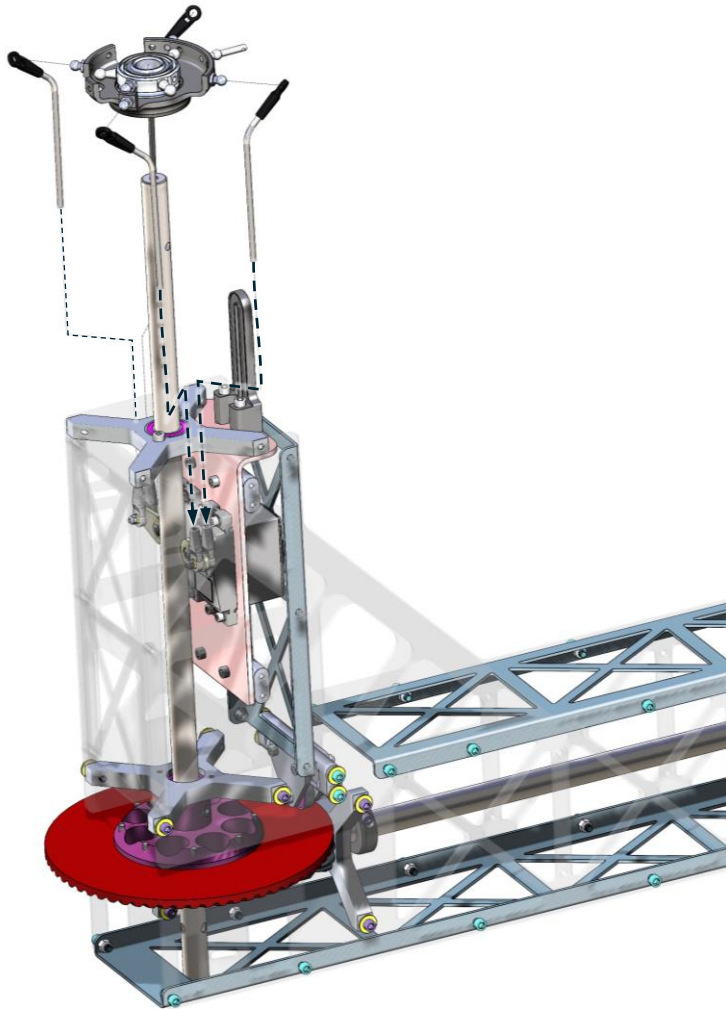


2x



4x





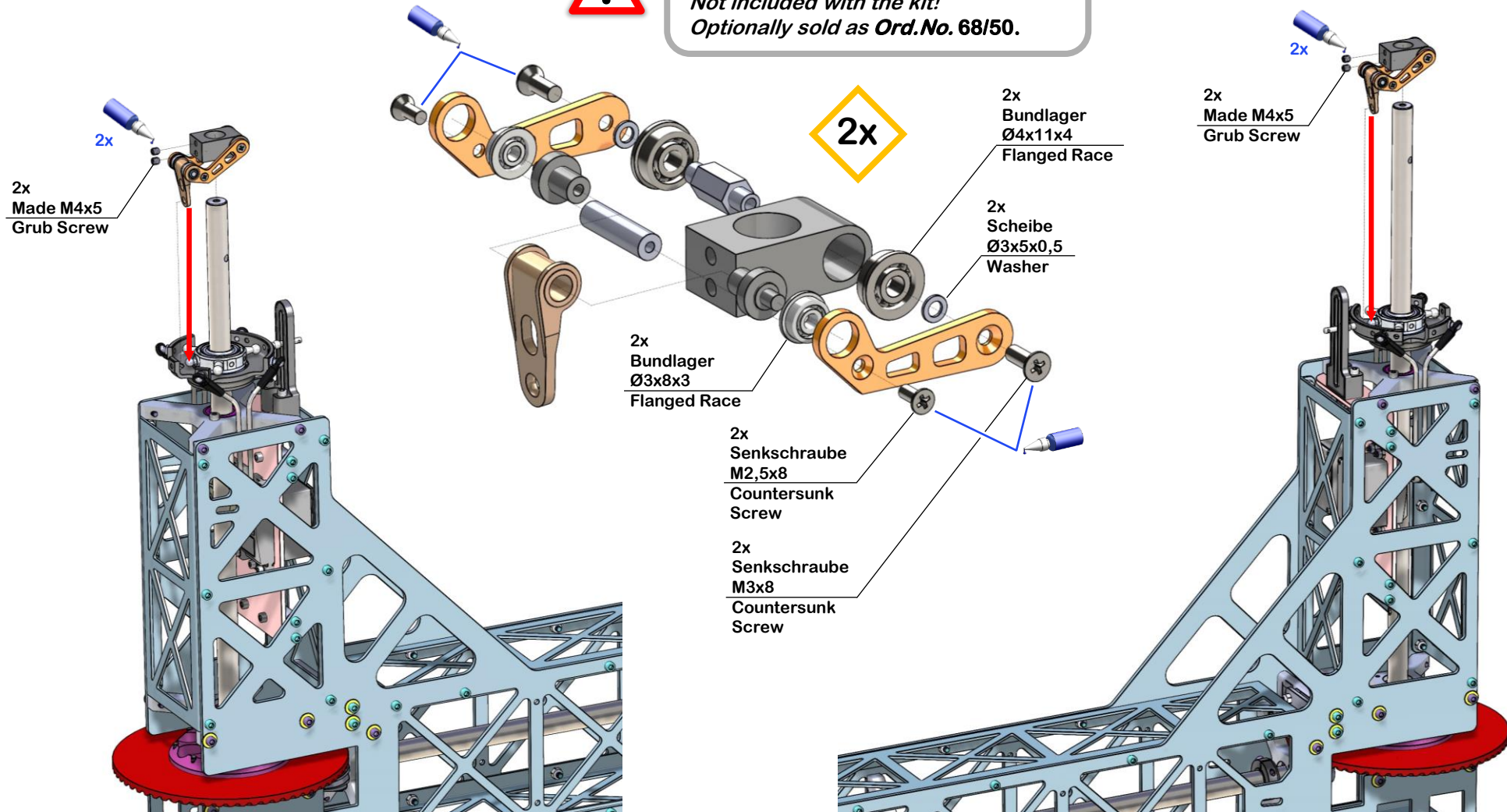
Montage Taumelscheibenmitnehmer
Assembly Swashplate Driver

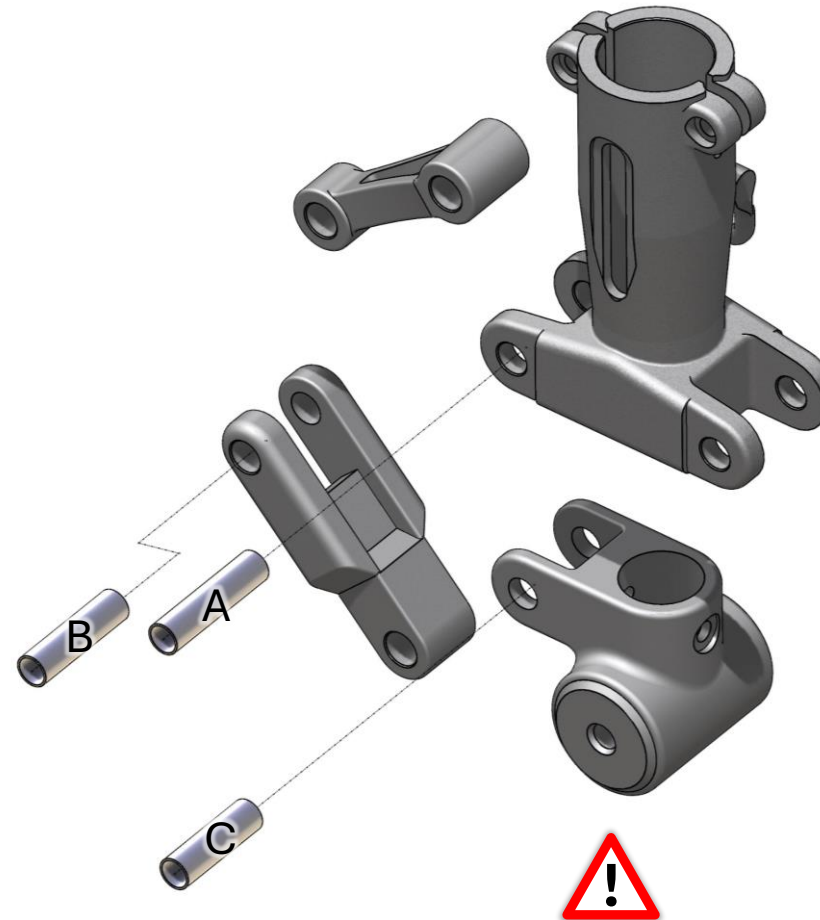
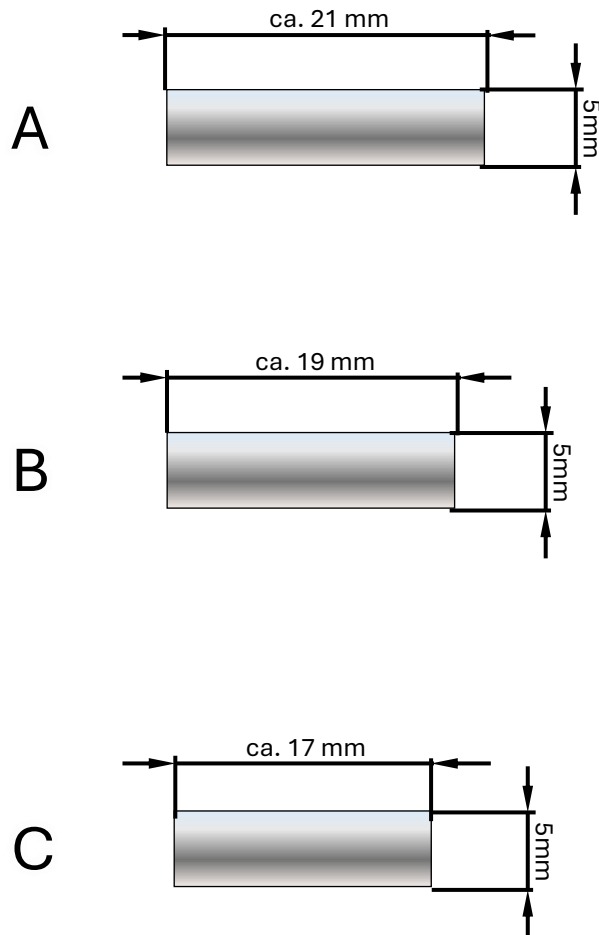
Ord.No. 4890

Ord.No.
68/50

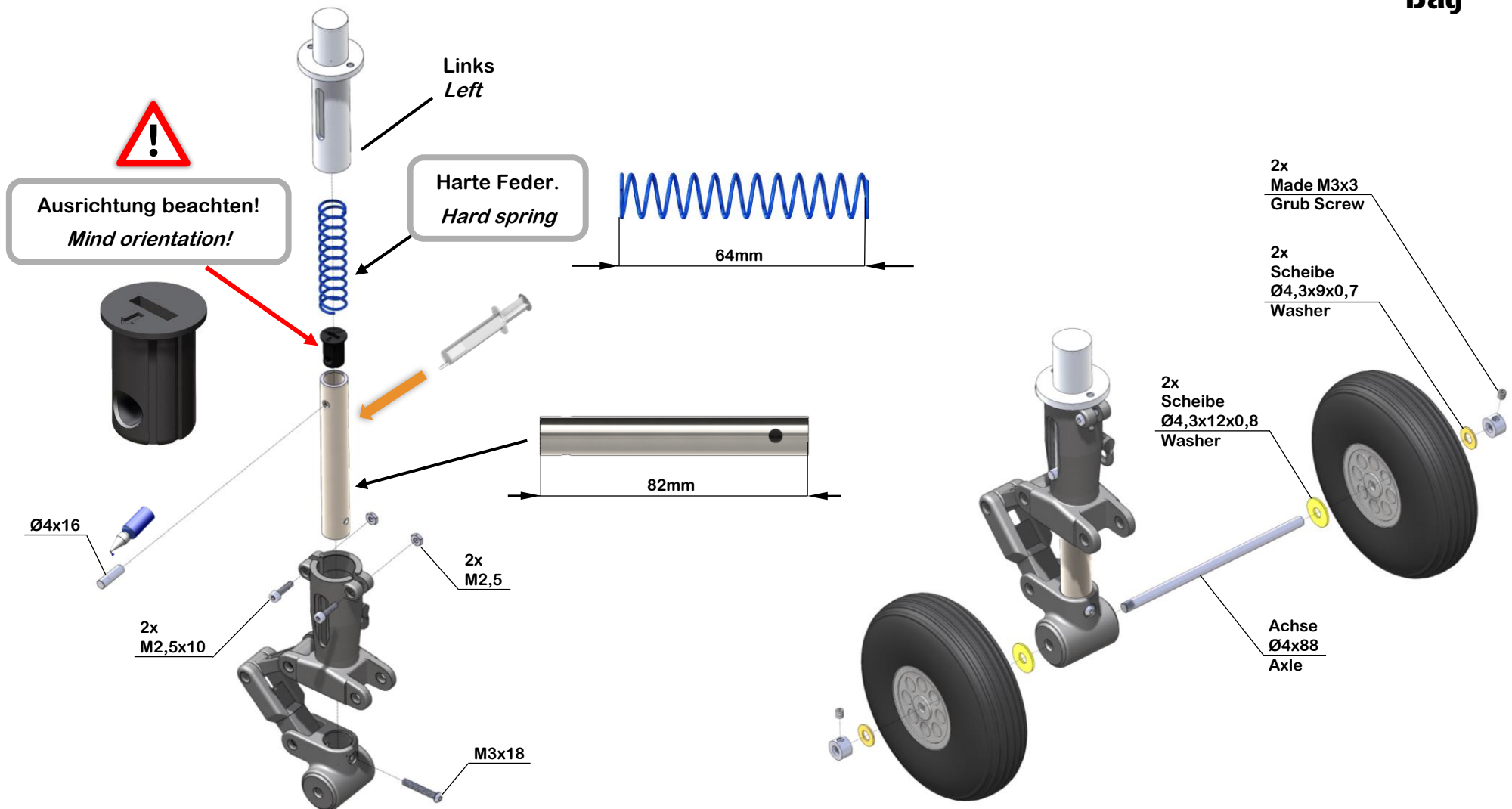


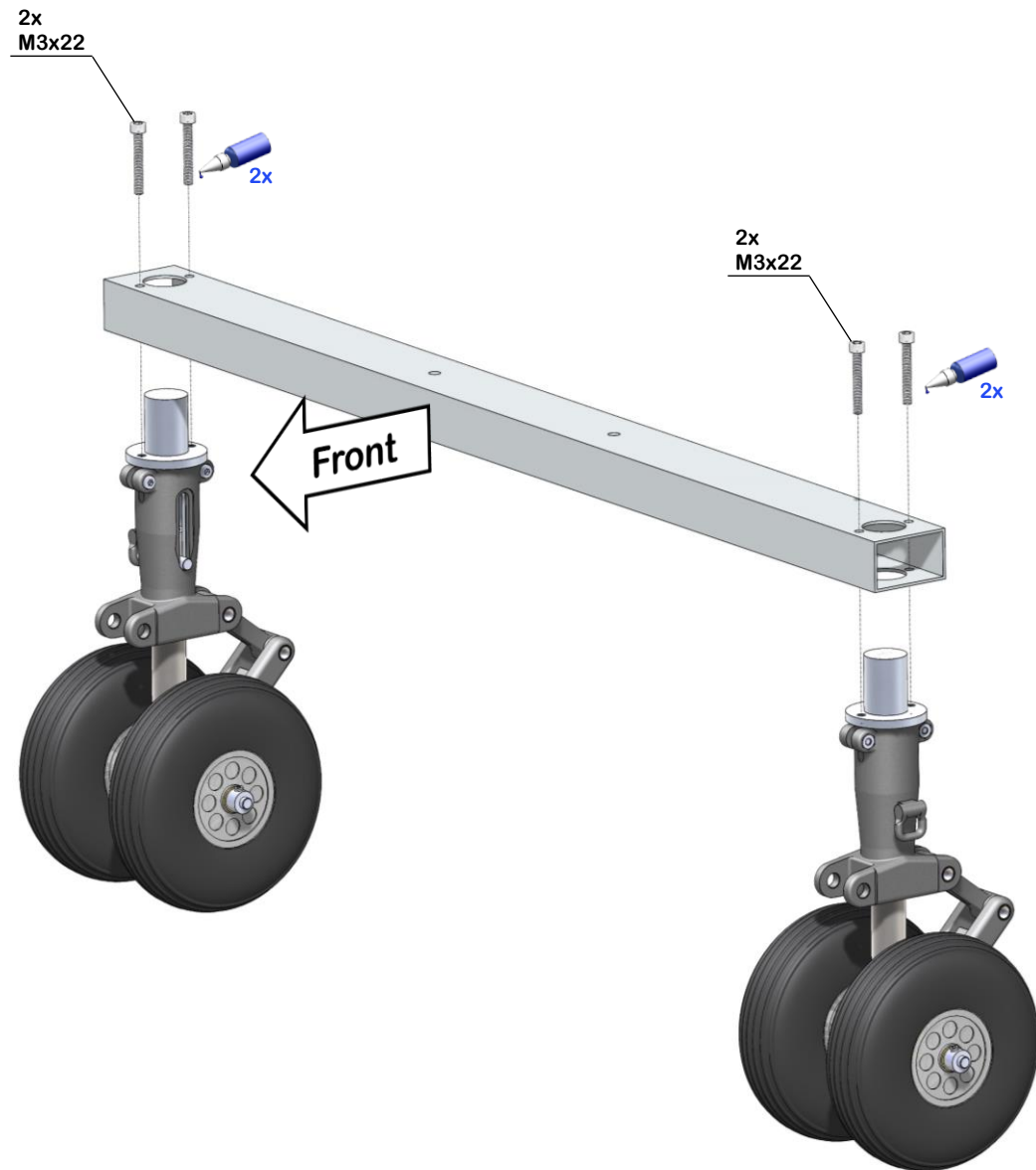
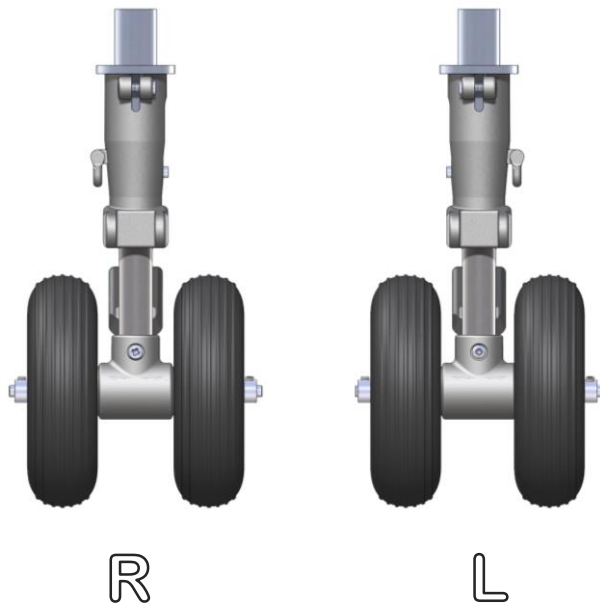
Nicht im Bausatz enthalten!
Separat erhältlich als Ord.No. 68/50.
Not included with the kit!
Optionally sold as Ord.No. 68/50.

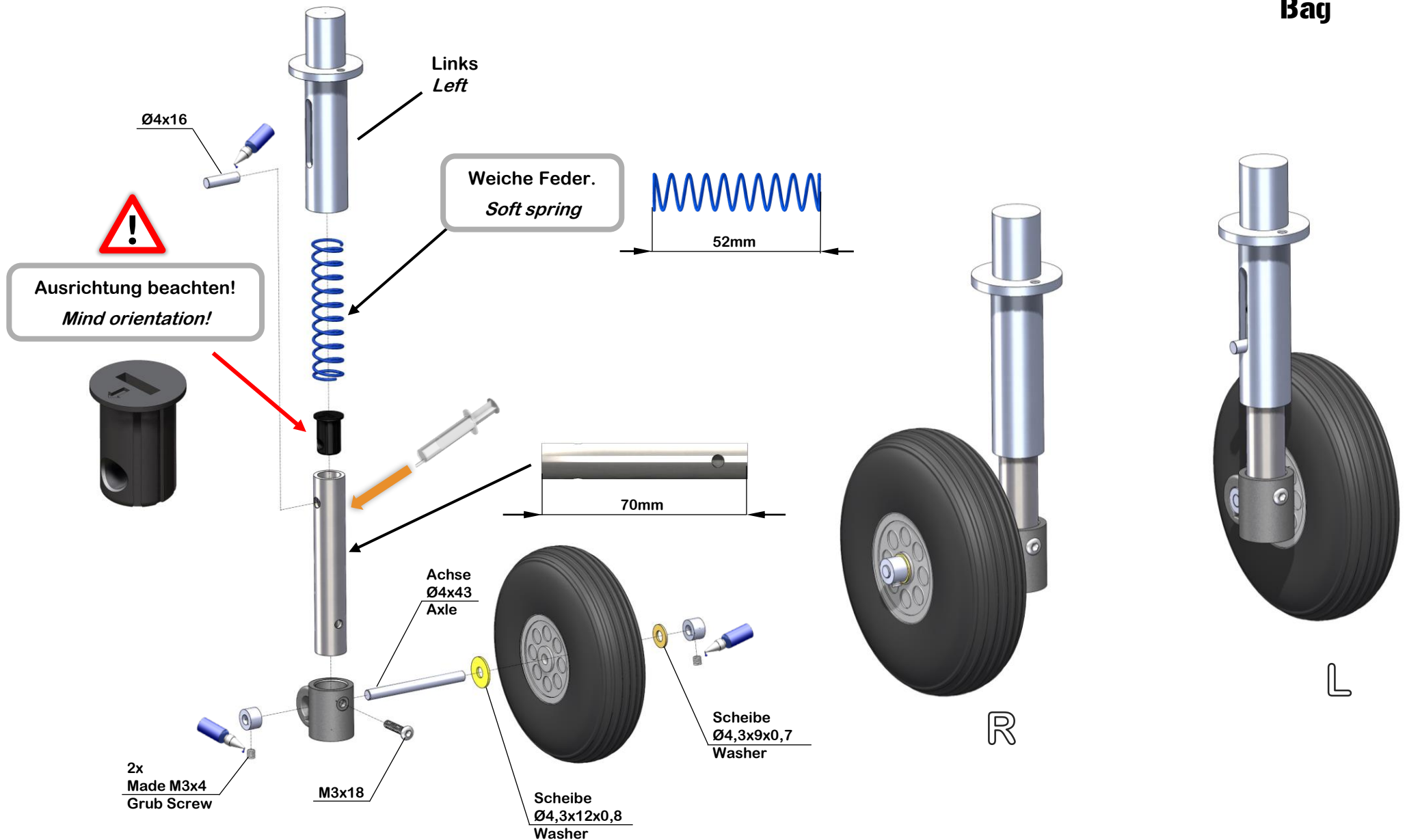




Achsen werden eingepresst und können bei Bedarf mit etwas Klebstoff fixiert werden
Axles are press fitted and may be secured with a bit of glue if necessary.



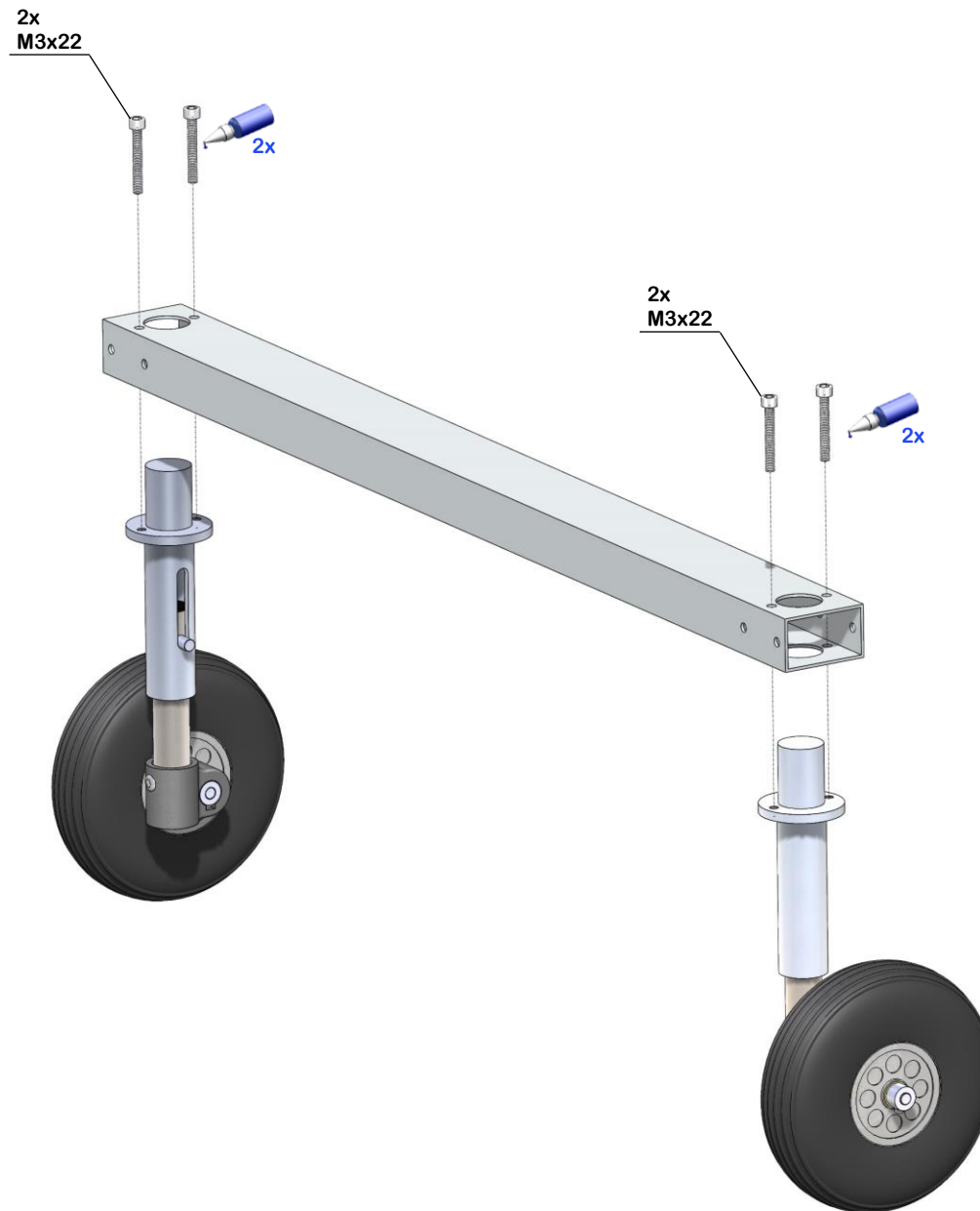


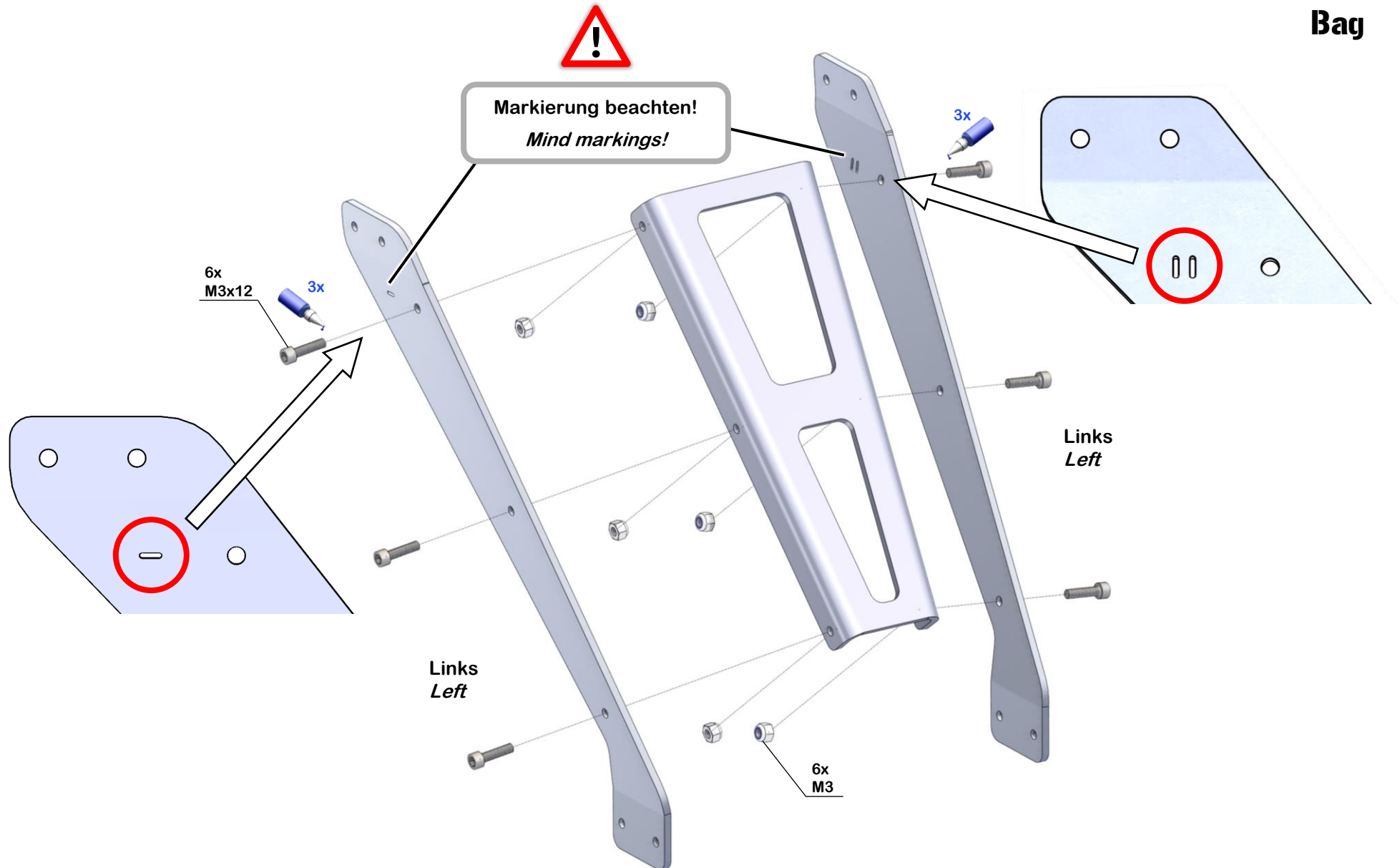


Montage Fahrwerk - Hinten
Assembly Landing Gear - Rear

Ord.No. 4890

Beutel 16
Bag

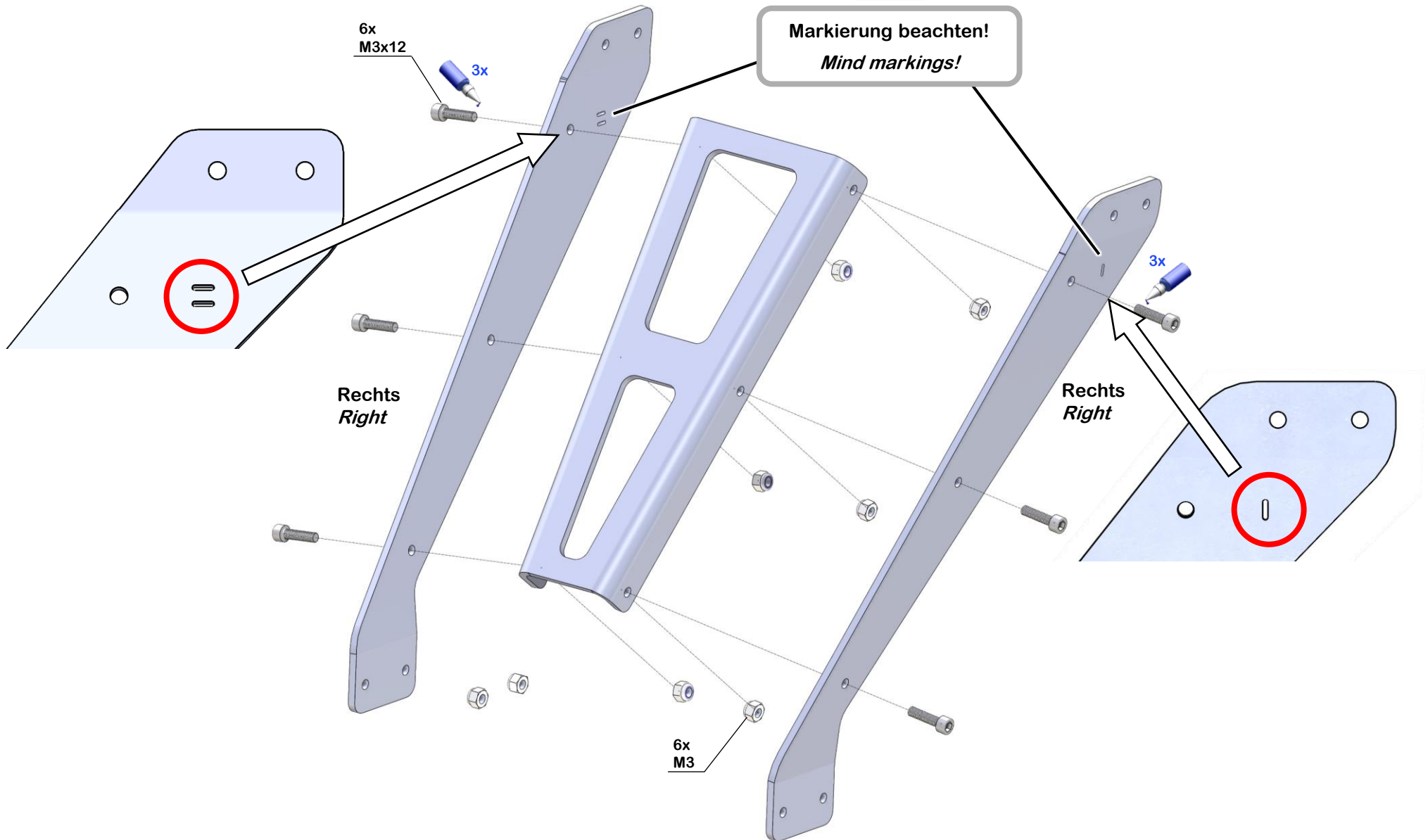


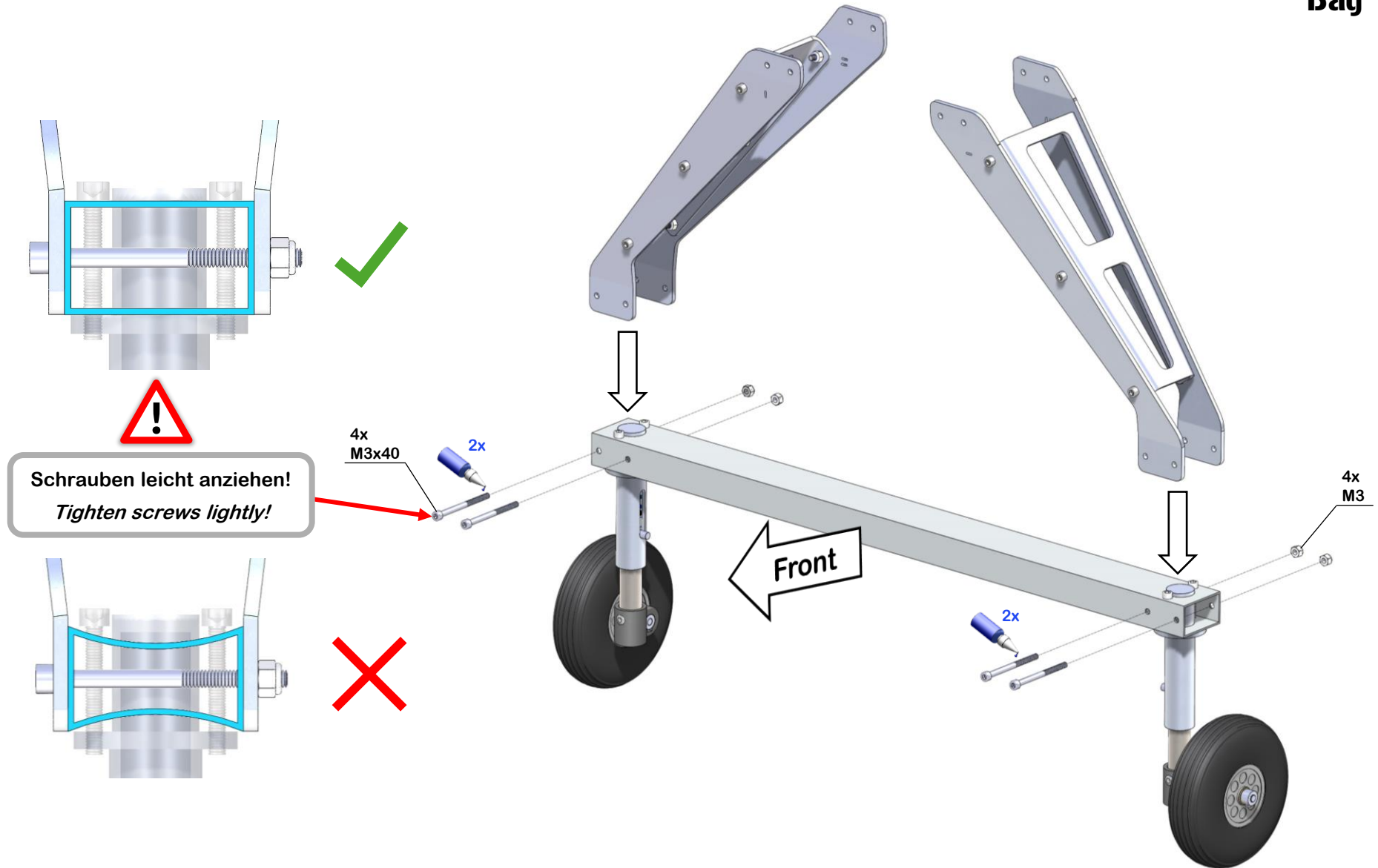




Markierung beachten!

Mind markings!

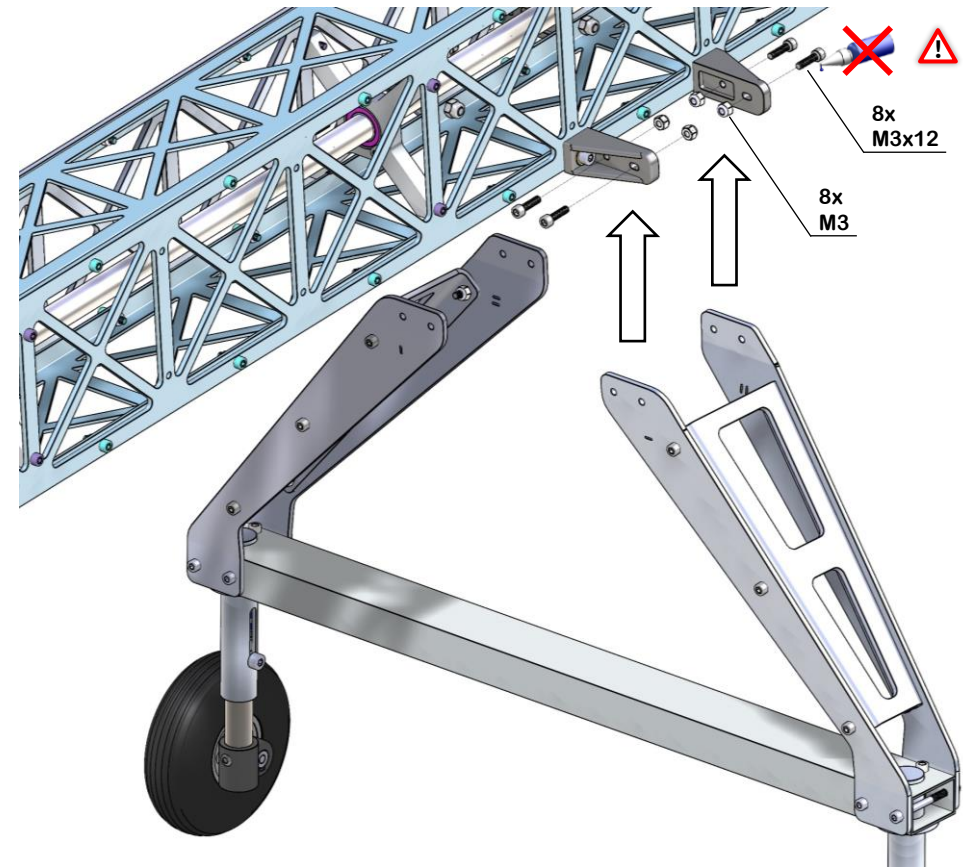
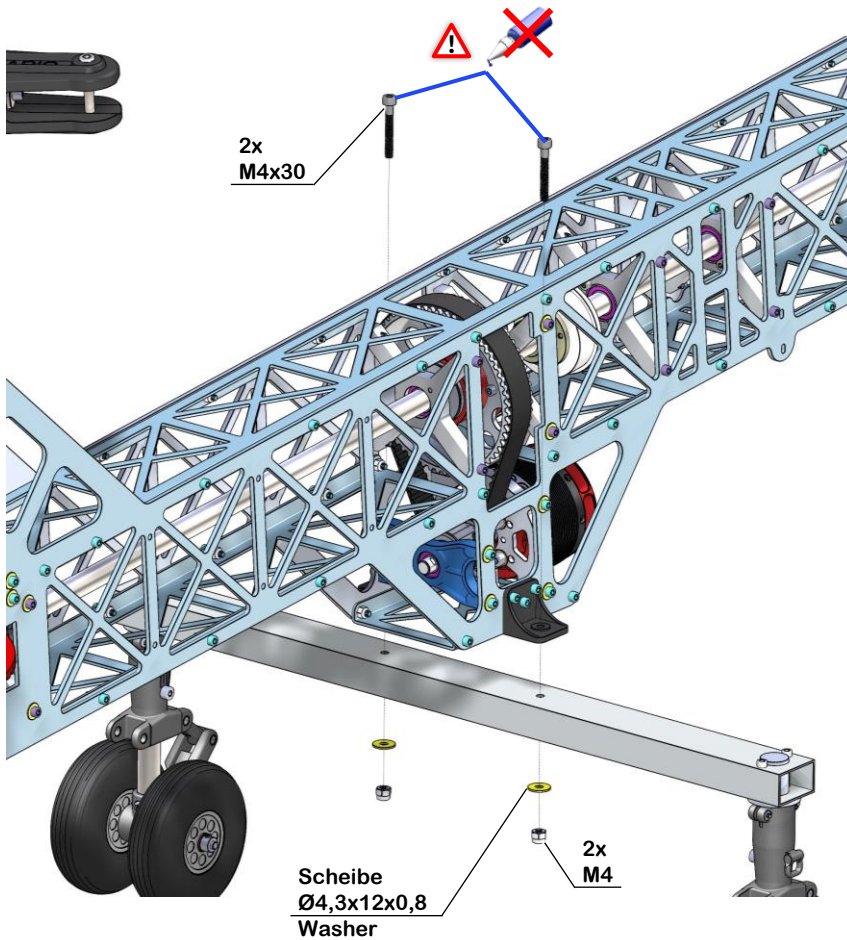






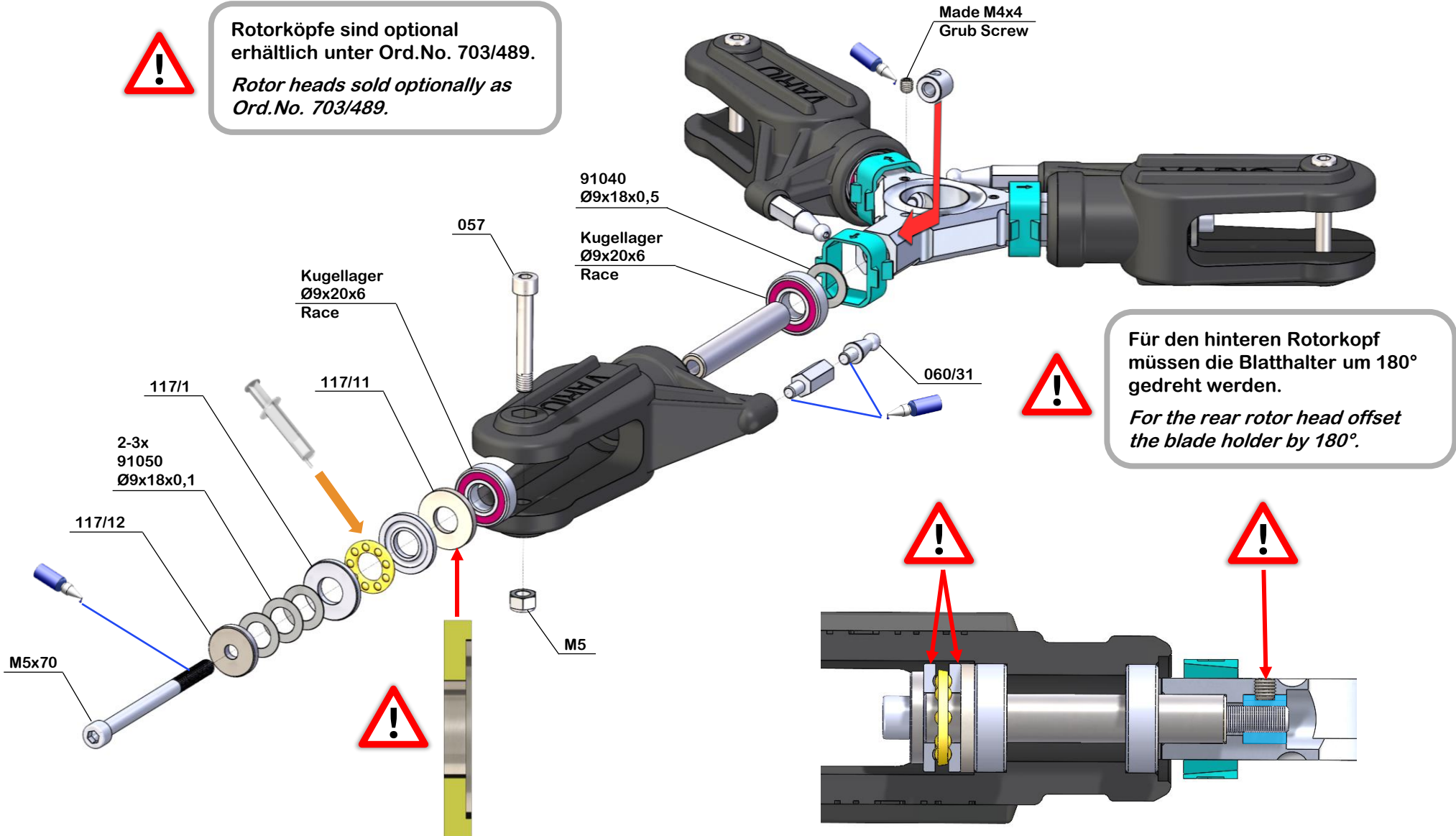
Fahrwerk muss zum Einsetzen der Mechanik in den Rumpf abmontiert werden.
Erst danach sollte Schraubensicherung benutzt werden.

*To install the mechanics the landing gear has to be dismantled.
After that thread lock may be applied.*



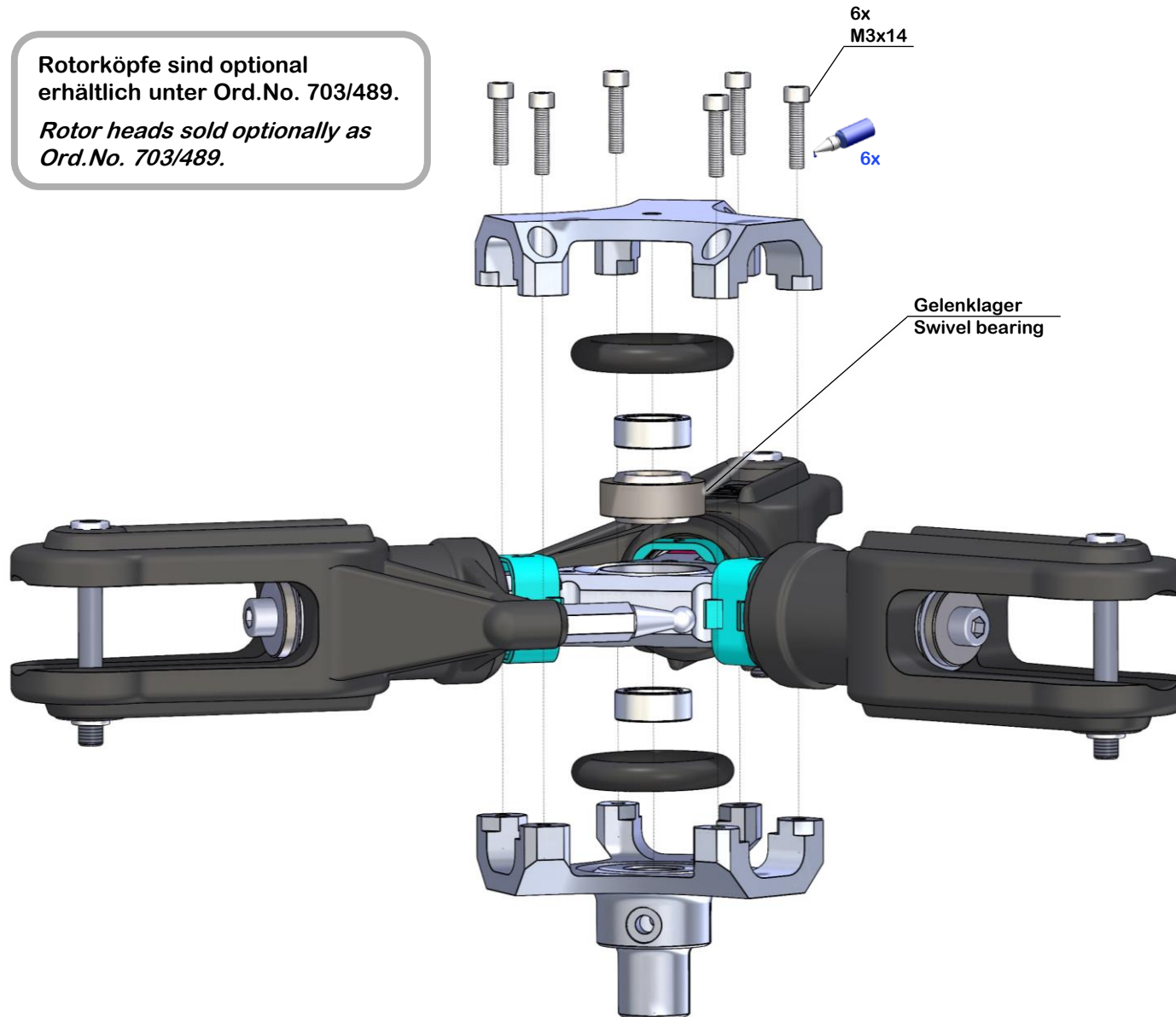


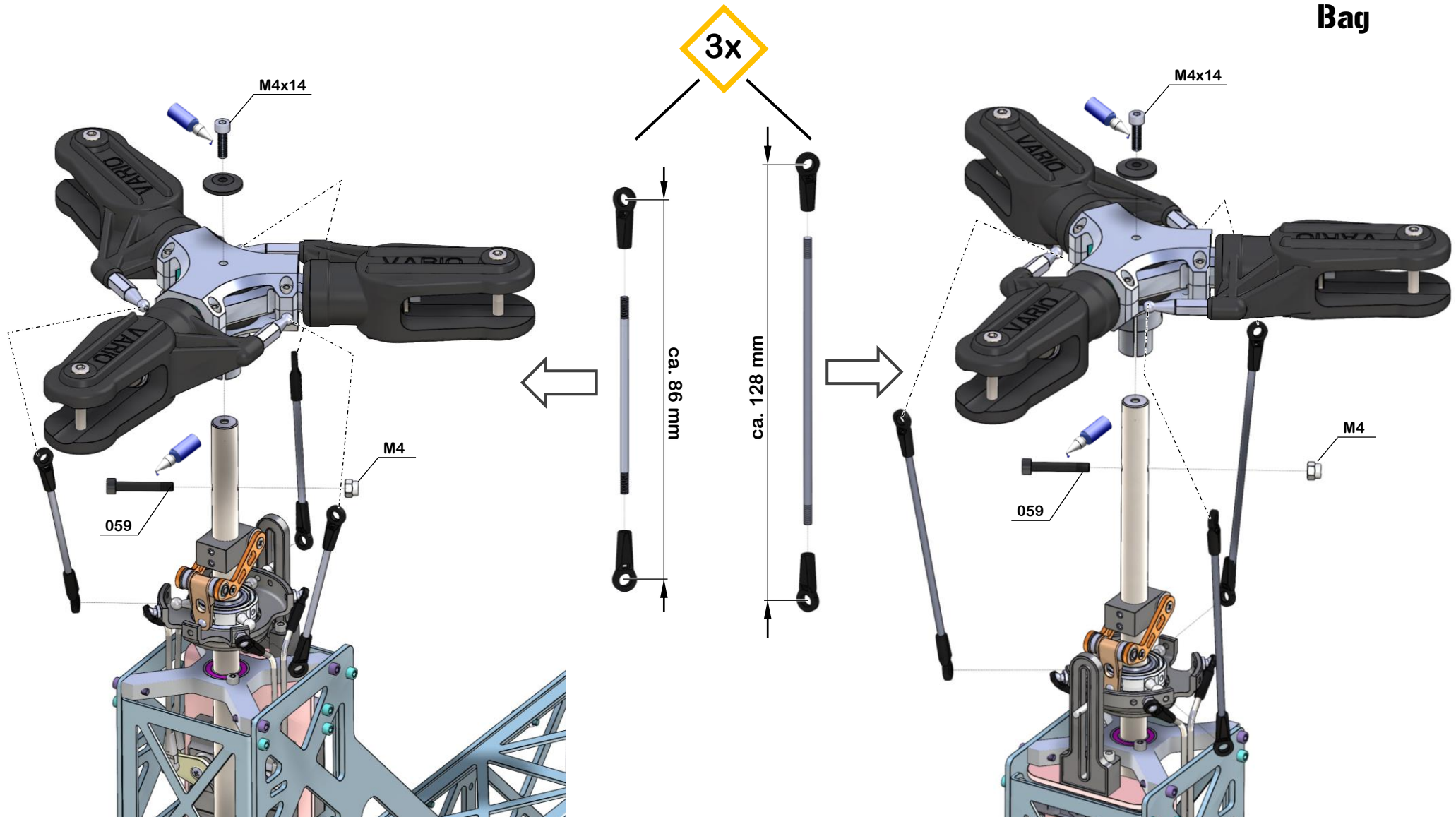
Rotorköpfe sind optional
erhältlich unter Ord.No. 703/489.
*Rotor heads sold optionally as
Ord.No. 703/489.*





Rotorköpfe sind optional
erhältlich unter Ord.No. 703/489.
*Rotor heads sold optionally as
Ord.No. 703/489.*



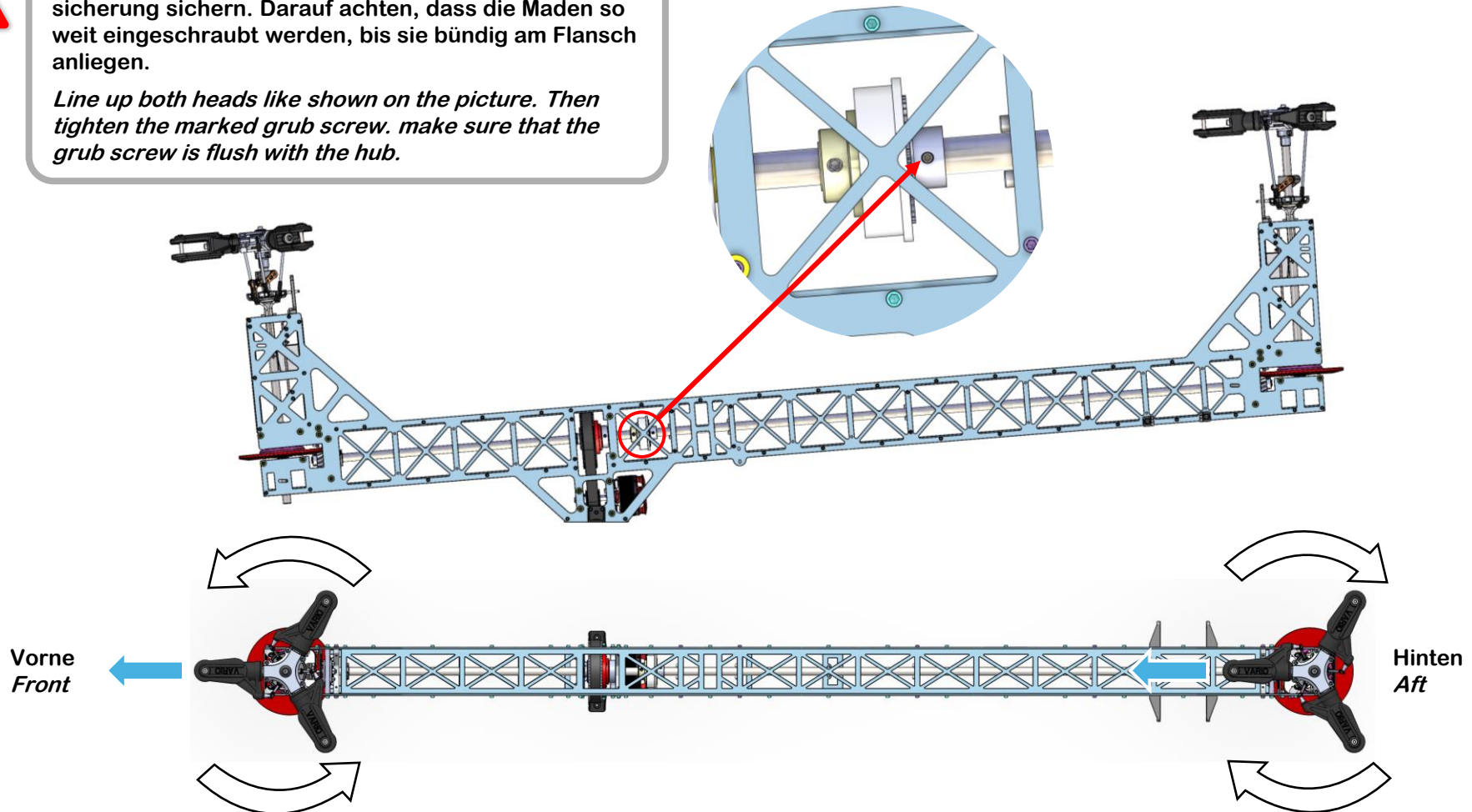


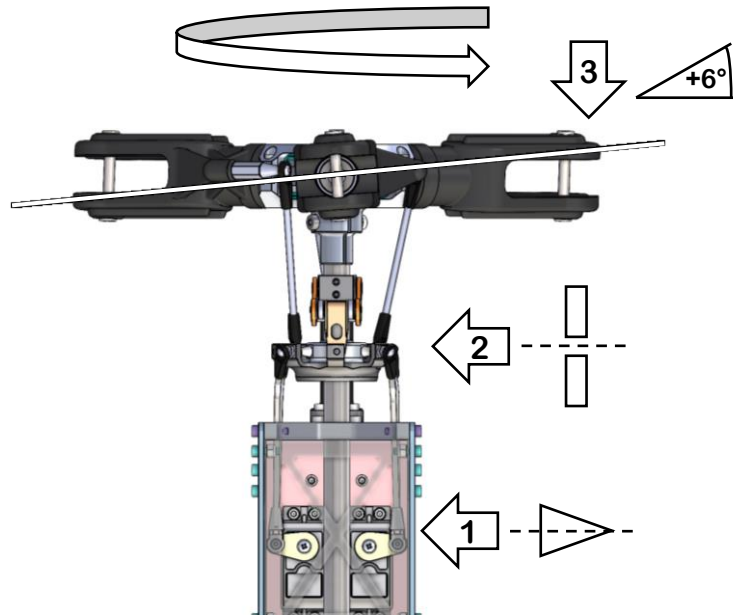
Beutel 3 **Bag**



Beide Rotorköpfe so ausrichten, dass jeweils ein Blatthalter genau nach vorne in Flugrichtung zeigt. Ist das nicht der Fall, die Madenschrauben lösen und die Köpfe so verdrehen, bis beide gleich ausgerichtet sind. Danach beide Madenschrauben mit Schraubensicherung sichern. Darauf achten, dass die Maden so weit eingeschraubt werden, bis sie bündig am Flansch anliegen.

Line up both heads like shown on the picture. Then tighten the marked grub screw. make sure that the grub screw is flush with the hub.

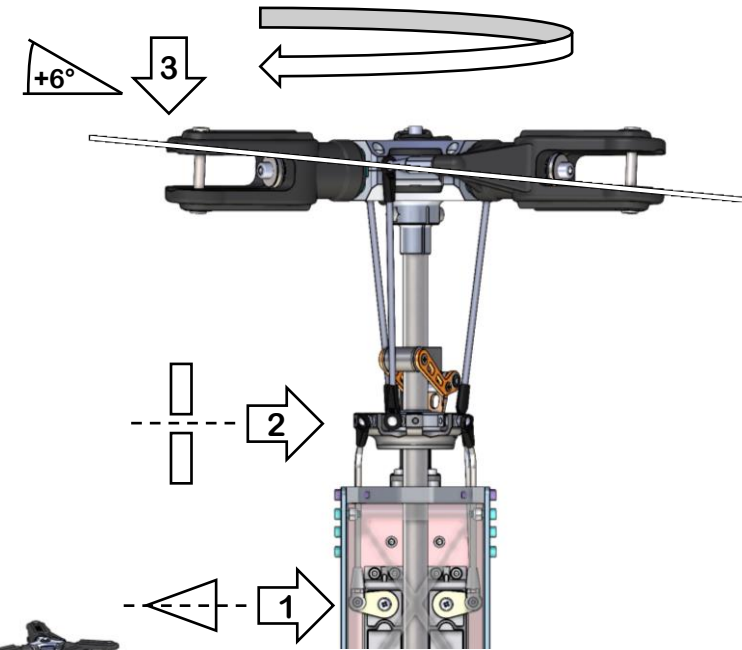




Einstellen der Steuergestänge: Adjustment of the pushrods:

Die Taumelscheibe und die Servos müssen in ihre Neutralposition gestellt und fixiert werden. Stellen Sie anschließend die Abstände der Kugelgelenke so ein, dass die Blatthalter einen neutralen Pitchwinkel von +6° besitzen (Schwebeflugeinstellung).

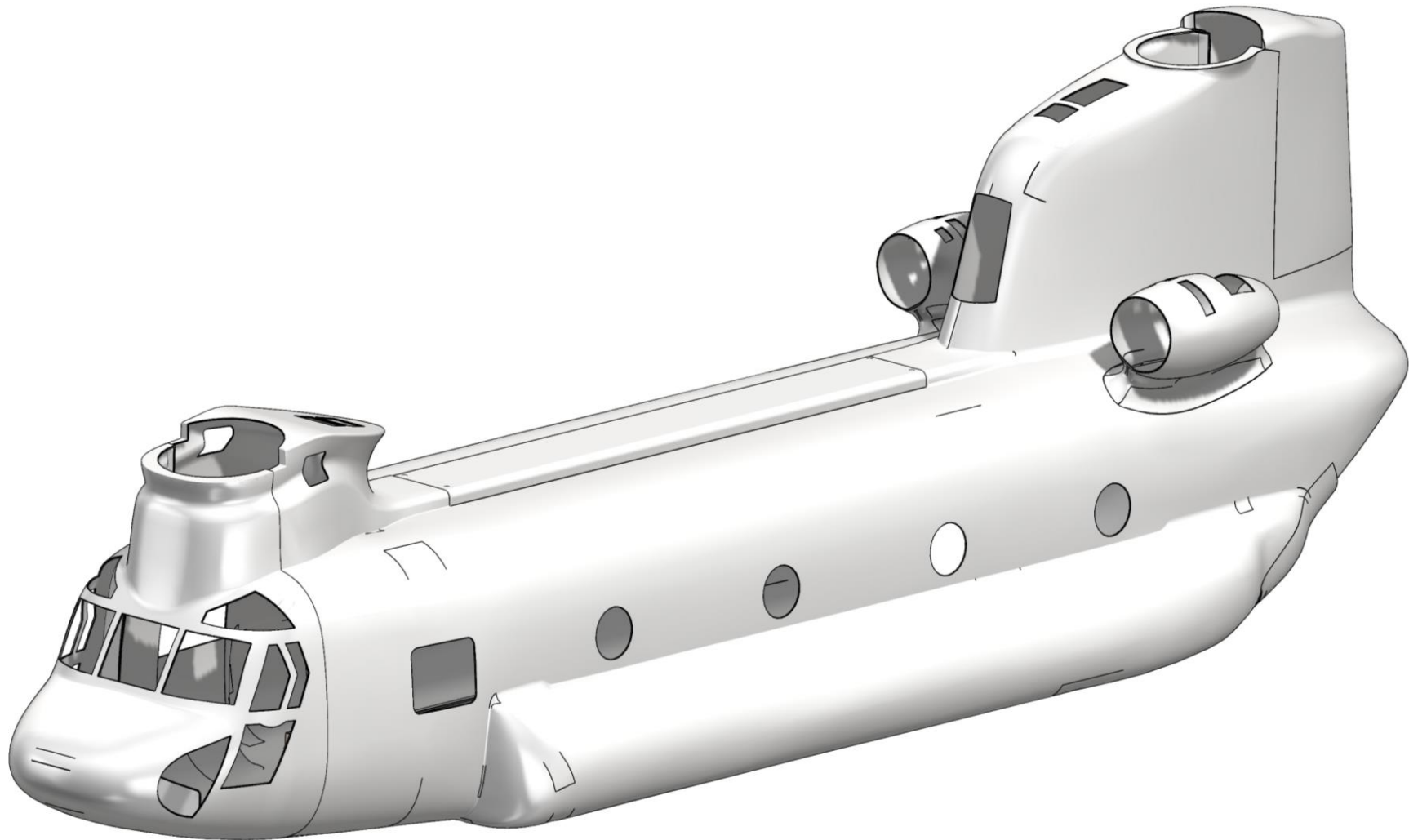
Position the swash plate and the servos in the neutral orientation. Next adjust the distance of the ball joints so that blade holders have a neutral pitch angle of +6° (hover setting).

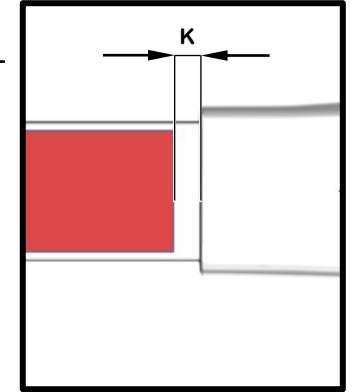
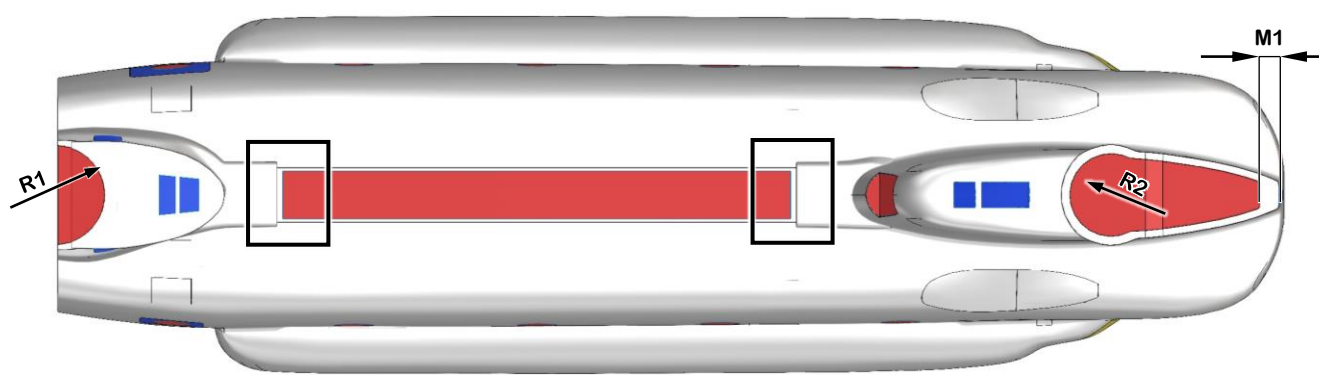
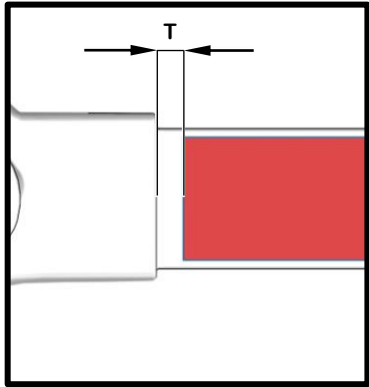


Einstellwerte Flybarless Setting for flybareless

Max. Pitch	+12°
Neutral/Hover	+6°
Min Pitch	-4°

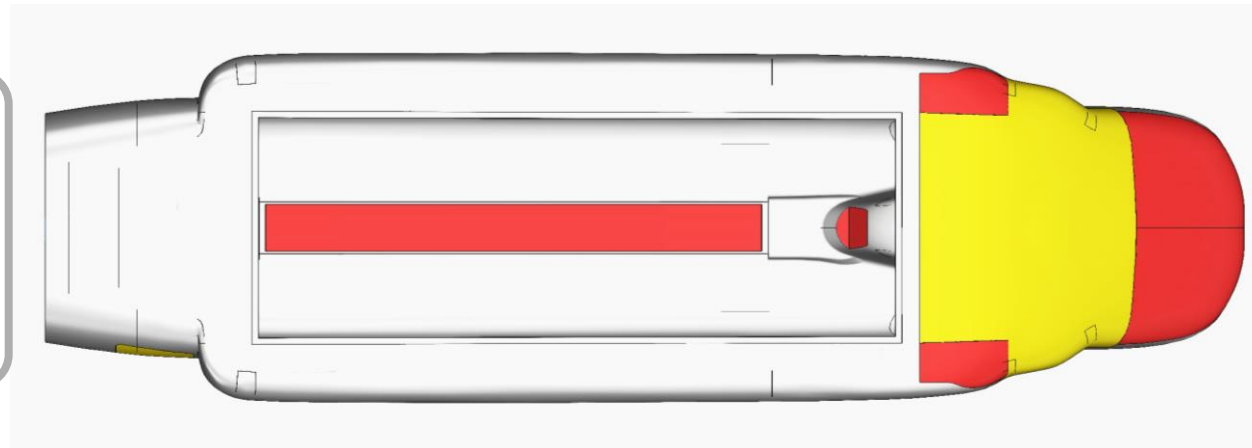






Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!

Approximations!
Verify the dimensions
with your own measurements
on the model!



- erforderliche Ausschnitte - *required cutouts*
- optionale Ausschnitte - *optional cutouts*
- Ausschnitte für Klappen/Türen - *cutouts for ramps and doors*
(optional) (optional)

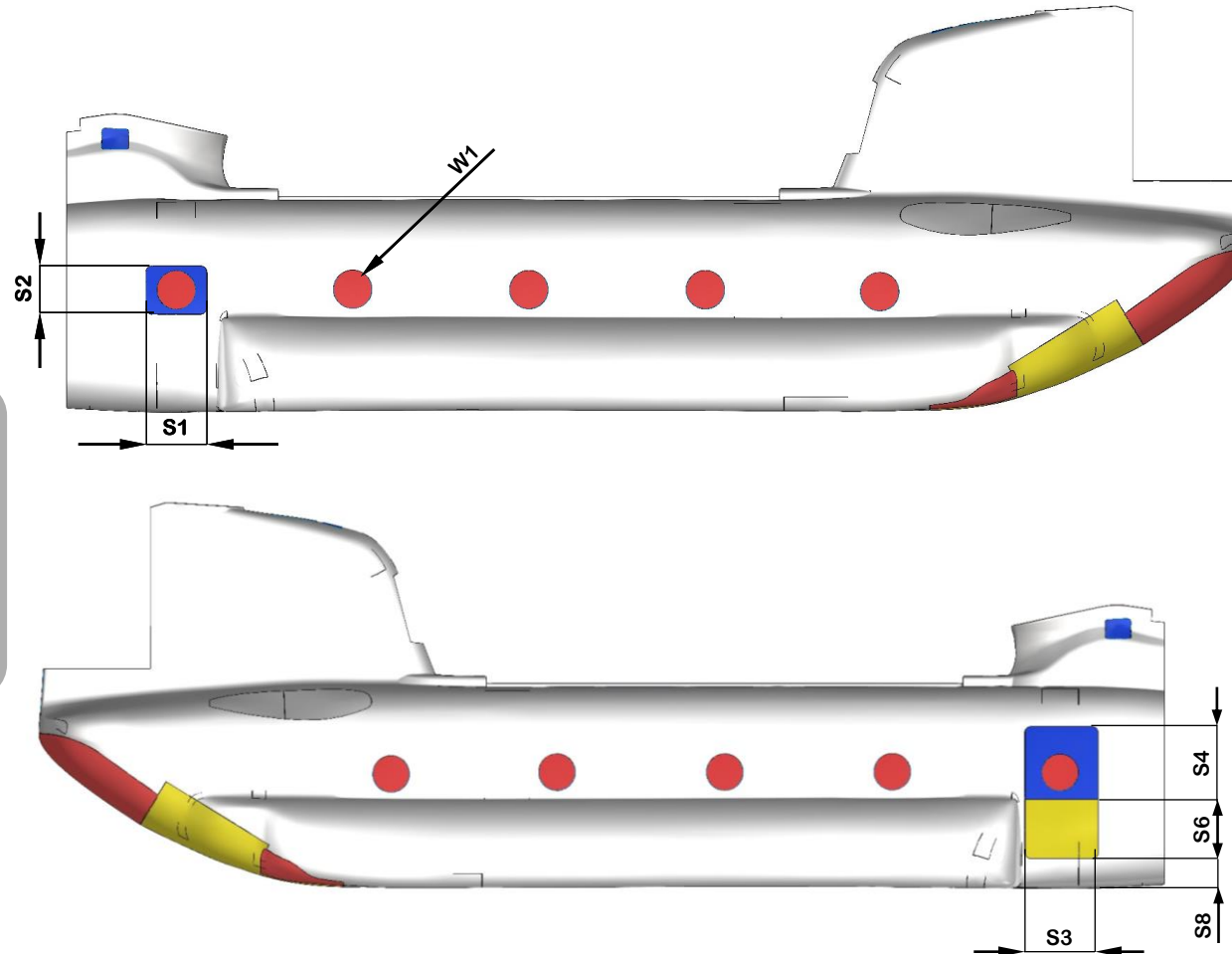


M1	K	R1	R2
30mm 1.2"	15mm 0.6"	70mm 2.75"	60mm 2.4"



Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!

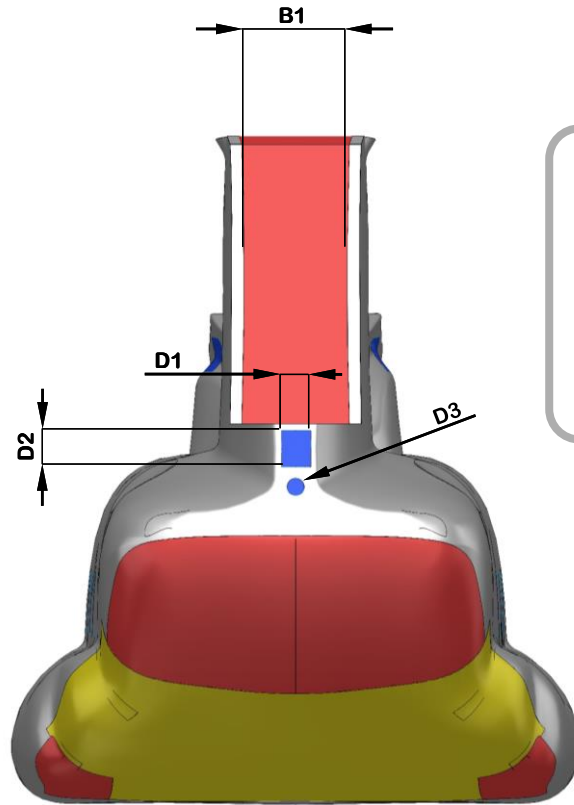
Approximations!
Verify the dimensions
with your own measurements
on the model!



- erforderliche Ausschnitte - *required cutouts*
- optionale Ausschnitte - *optional cutouts*
- Ausschnitte für Klappen/Türen - *cutouts for ramps and doors*
(optional) (optional)

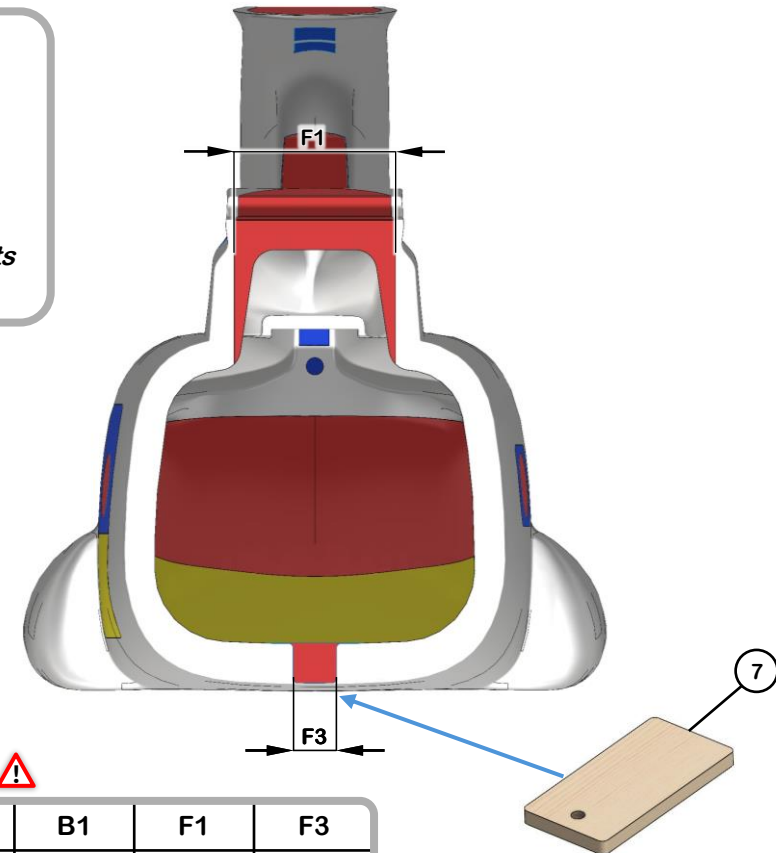


S1	S2	W1	S3	S4	S6	S8
70mm 2.75"	30mm 1.2"	Ø60mm 2.4"	120mm 4.7"	120mm 4.7"	96mm 3.8"	47mm 1.85"



Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!

Approximations!
Verify the dimensions
with your own measurements
on the model!



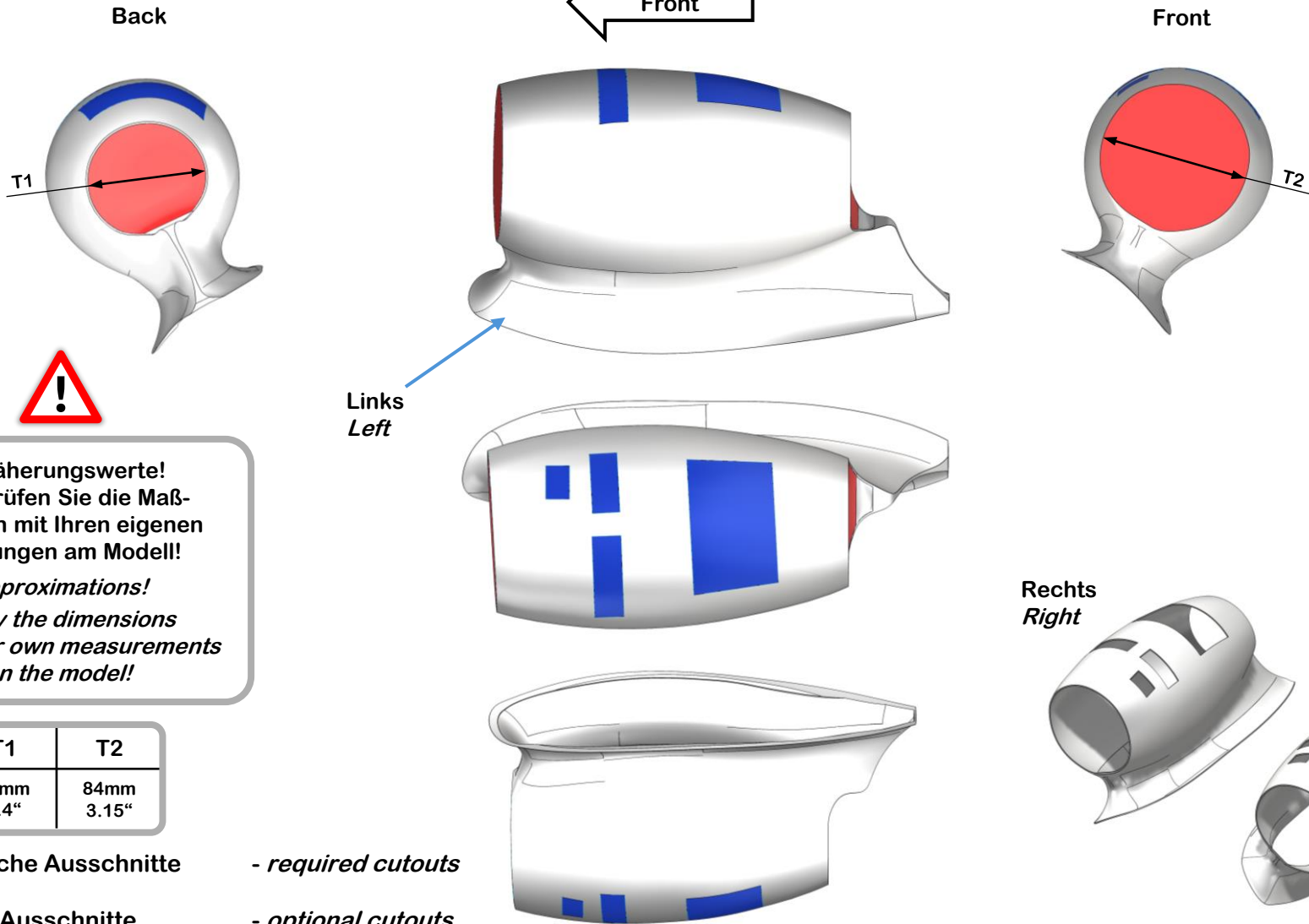
- erforderliche Ausschnitte - *required cutouts*
- optionale Ausschnitte - *optional cutouts*
- Ausschnitte für Klappen/Türen - *cutouts for ramps and doors*
(optional) (optional)

D1	D2	D3	B1	F1	F3
26mm 1"	34mm 1.3"	Ø16mm 0.6"	96mm 3.8"	135mm 5.3"	35mm 1.6"

Untere Kante nicht abtrennen!
Ausschnitt für Kabinenhalter

Don't remove the lower edge!
Cutout for cabin mount

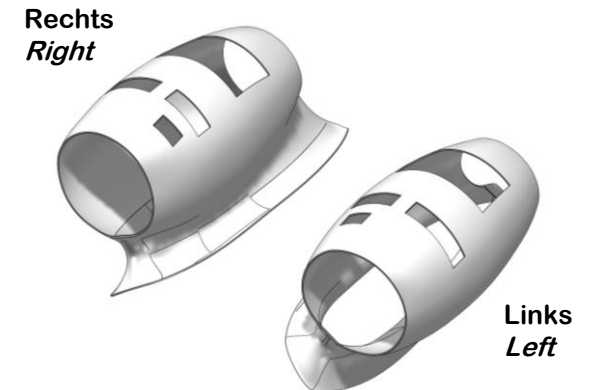
Ausschnitte Turbinenattrappe Turbine Dummy Cutouts

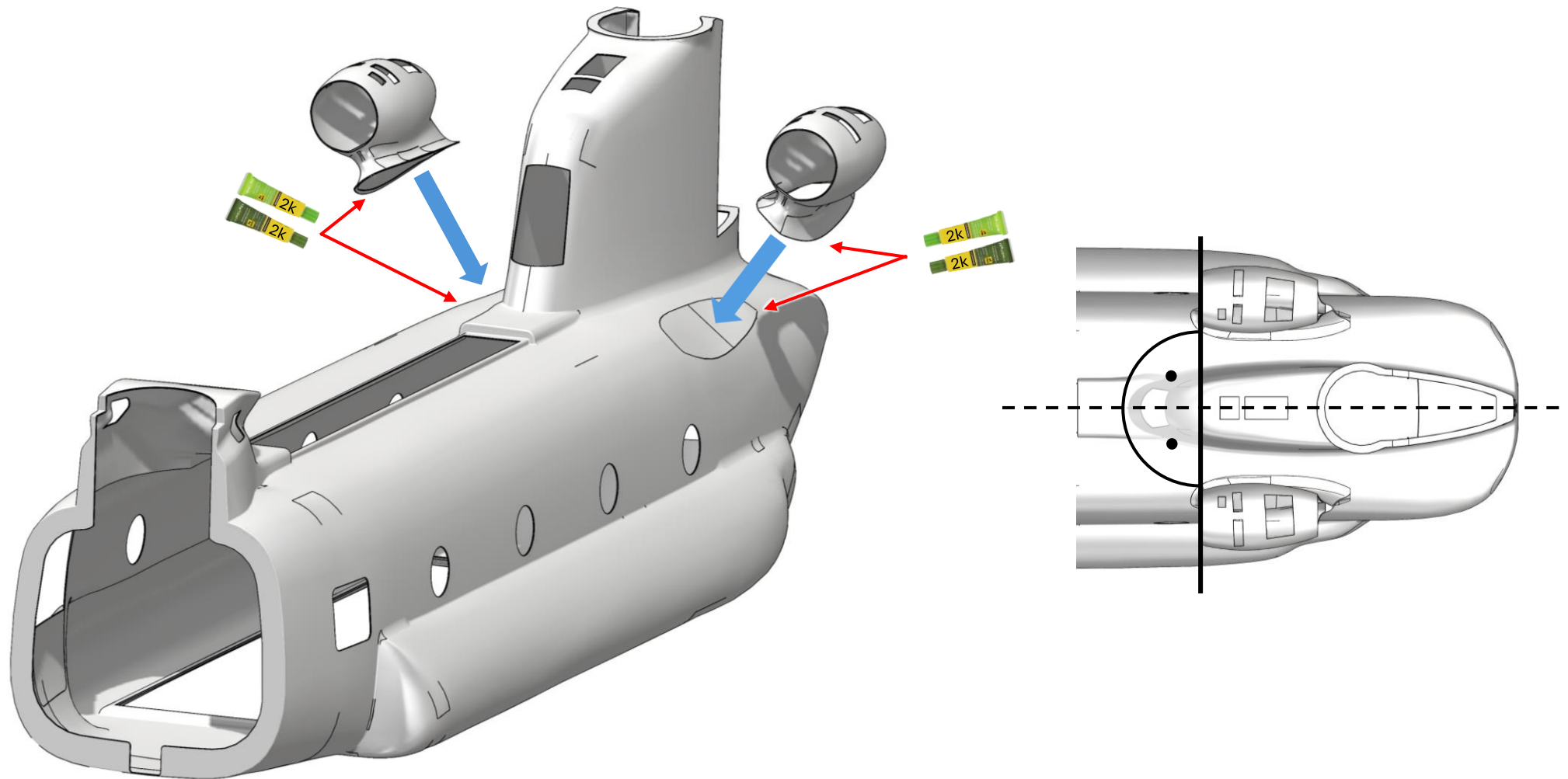


Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!
Approximations!
Verify the dimensions
with your own measurements
on the model!

T1	T2
62mm 2.4"	84mm 3.15"

- erforderliche Ausschnitte - *required cutouts*
- optionale Ausschnitte - *optional cutouts*
- Ausschnitte für Klappen/Türen (optional) - *cutouts for ramps and doors (optional)*







Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!

Approximations!
Verify the dimensions
with your own measurements
on the model!

B3	B5	R3
120mm 4.7"	90mm 3.5"	80mm 3.15"



erforderliche Ausschnitte

- *required cutouts*



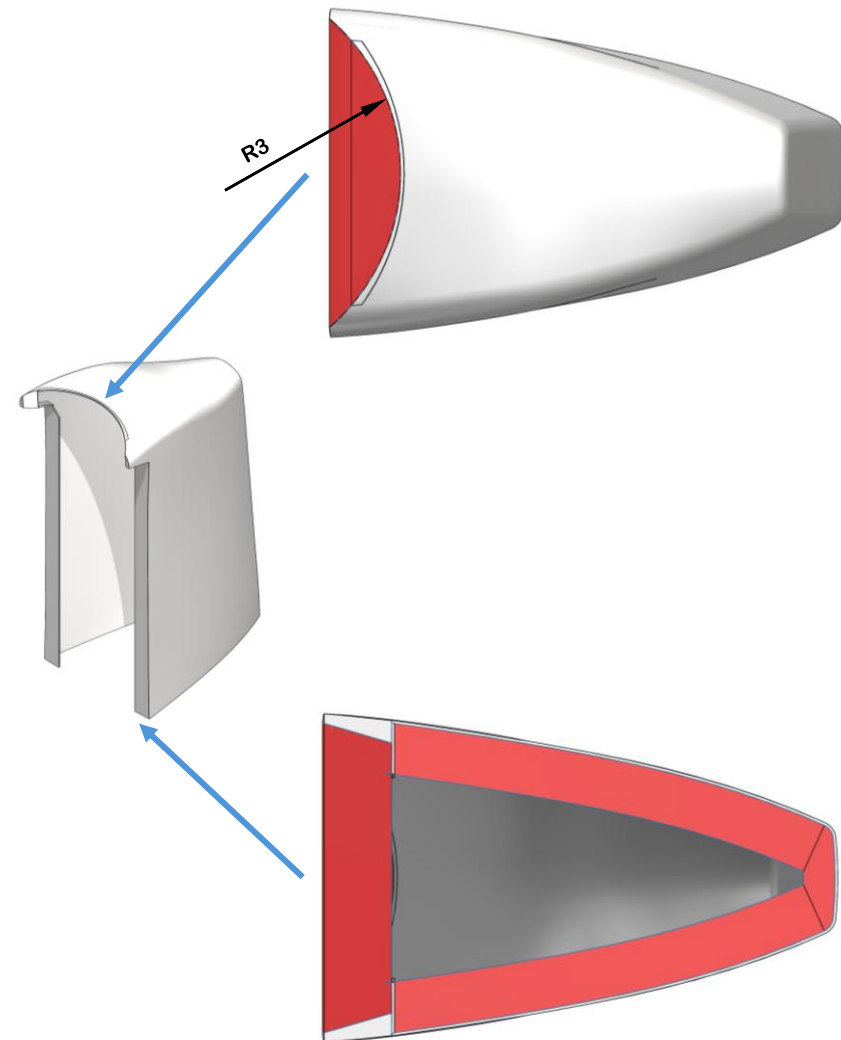
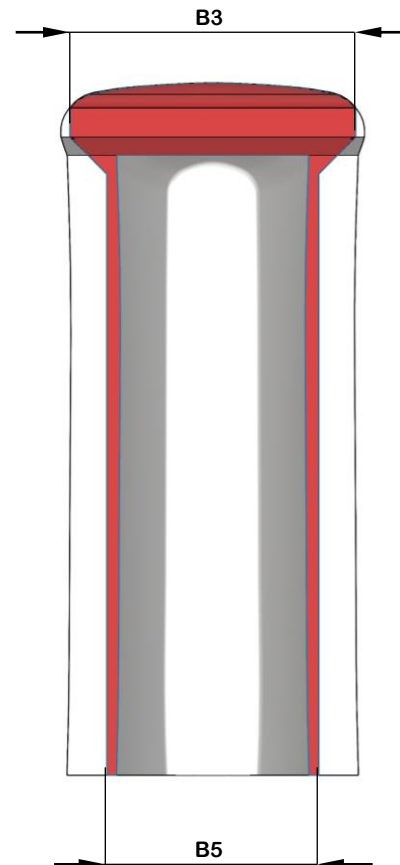
optionale Ausschnitte

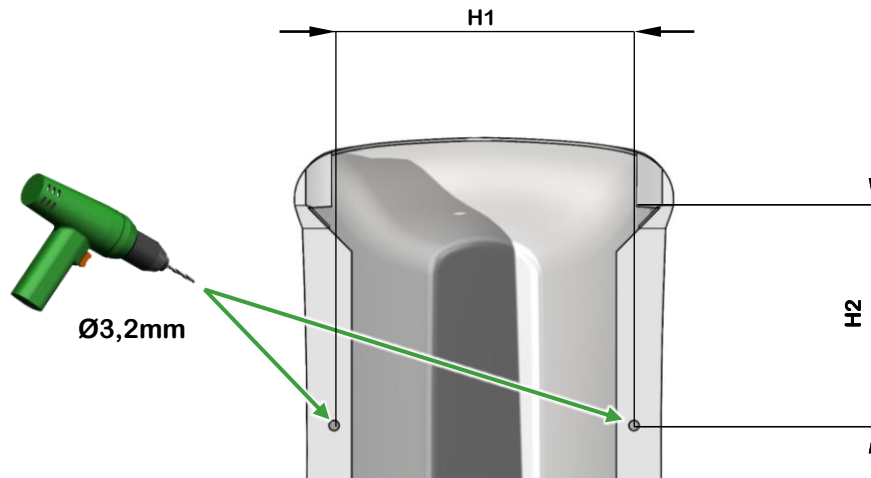
- *optional cutouts*



Ausschnitte für Klappen/Türen
(optional)

- *cutouts for ramps and doors*
(optional)

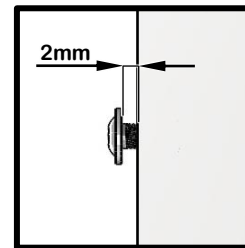




Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!

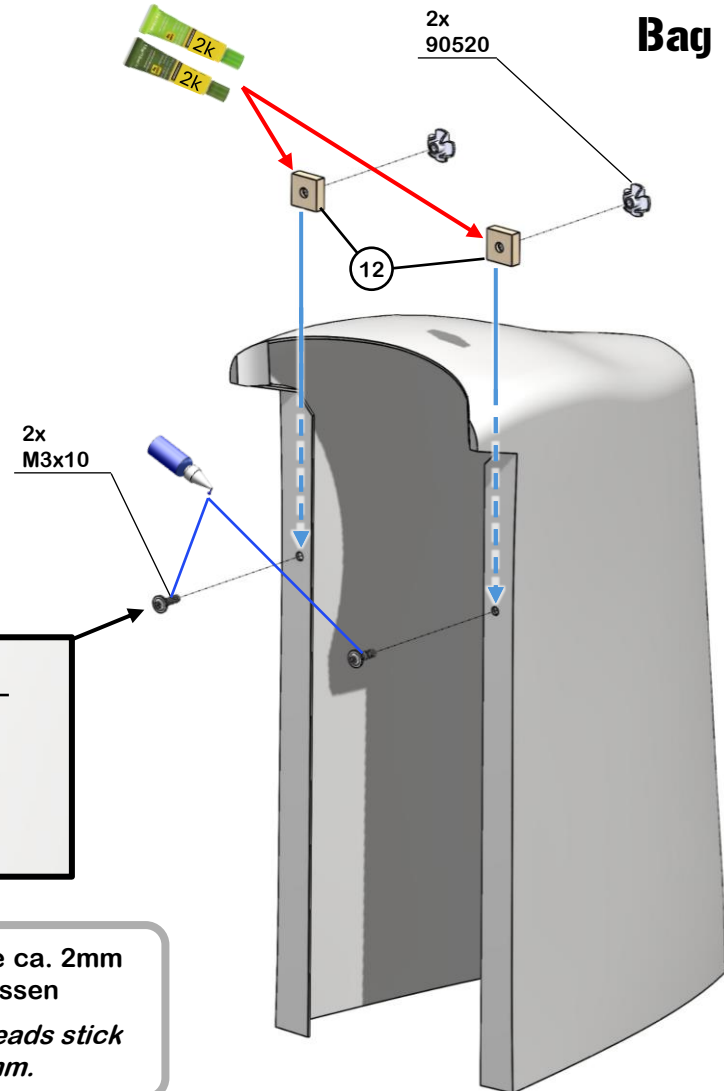
Approximations!
Verify the dimensions
with your own measurements
on the model!

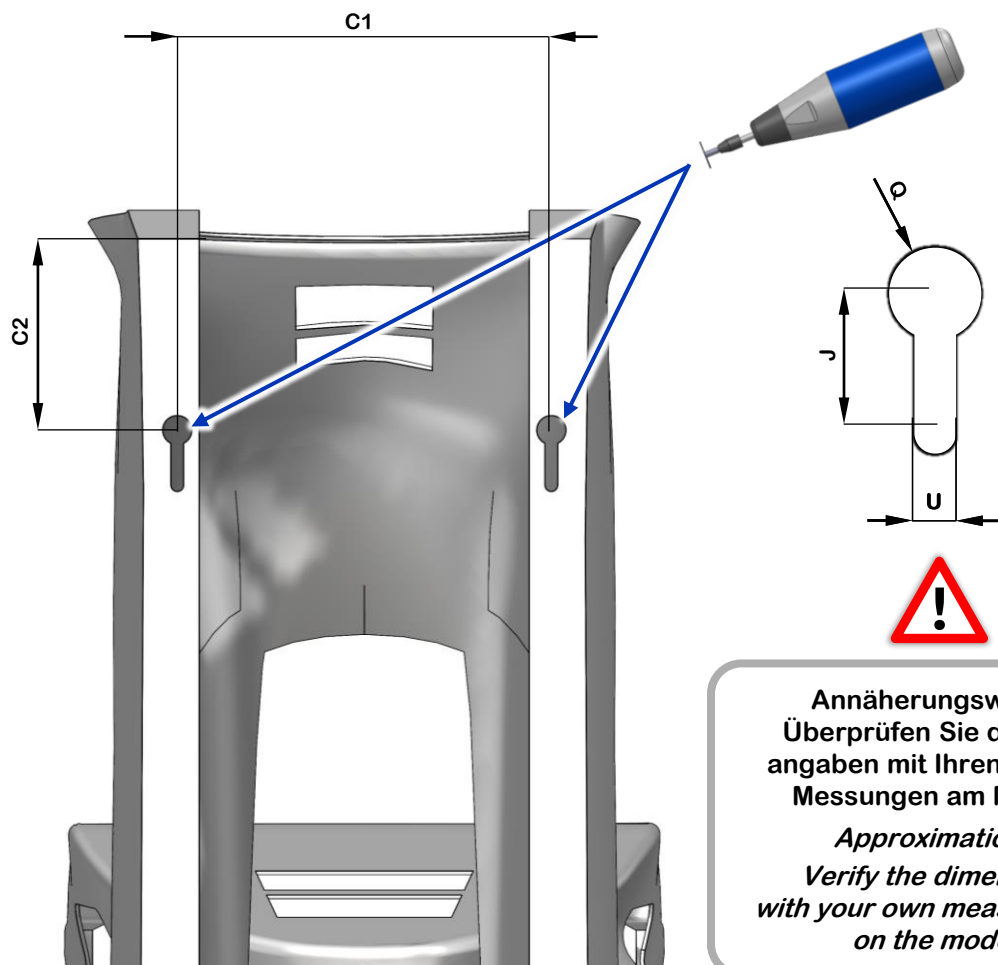
H1	H2
102mm 4"	75mm 3"



Schraubenköpfe ca. 2mm
herausstehen lassen

Let the screw heads stick
out for about 2mm.

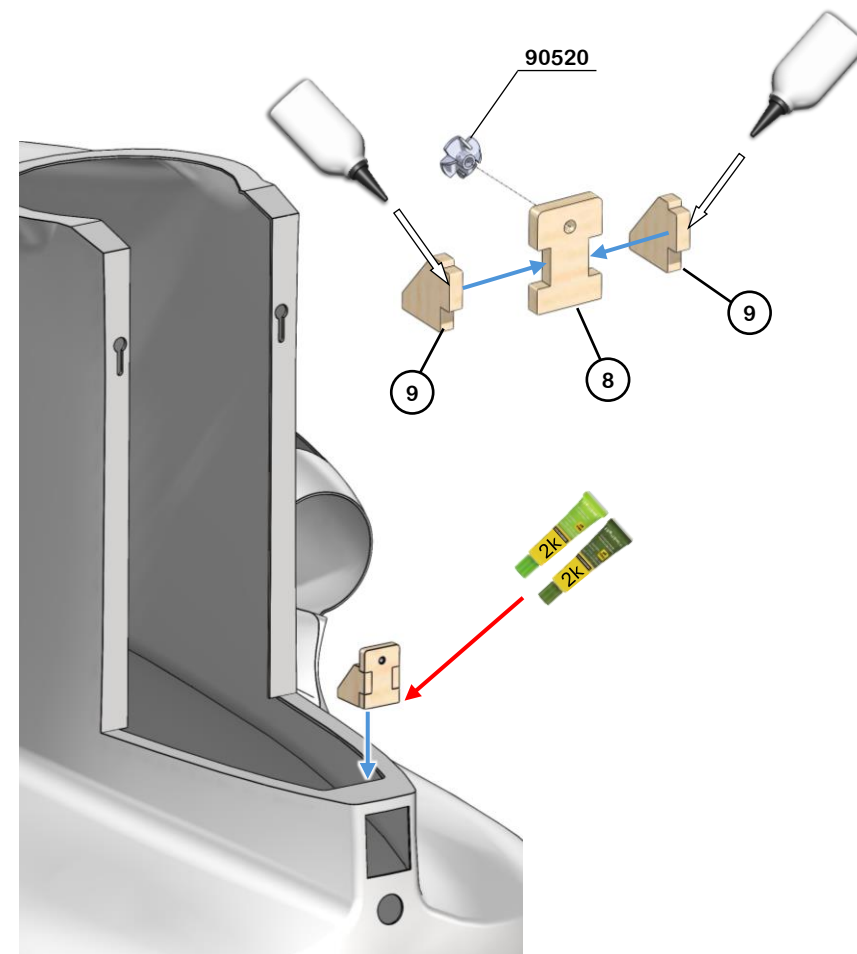




Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!

Approximations!
Verify the dimensions
with your own measurements
on the model!

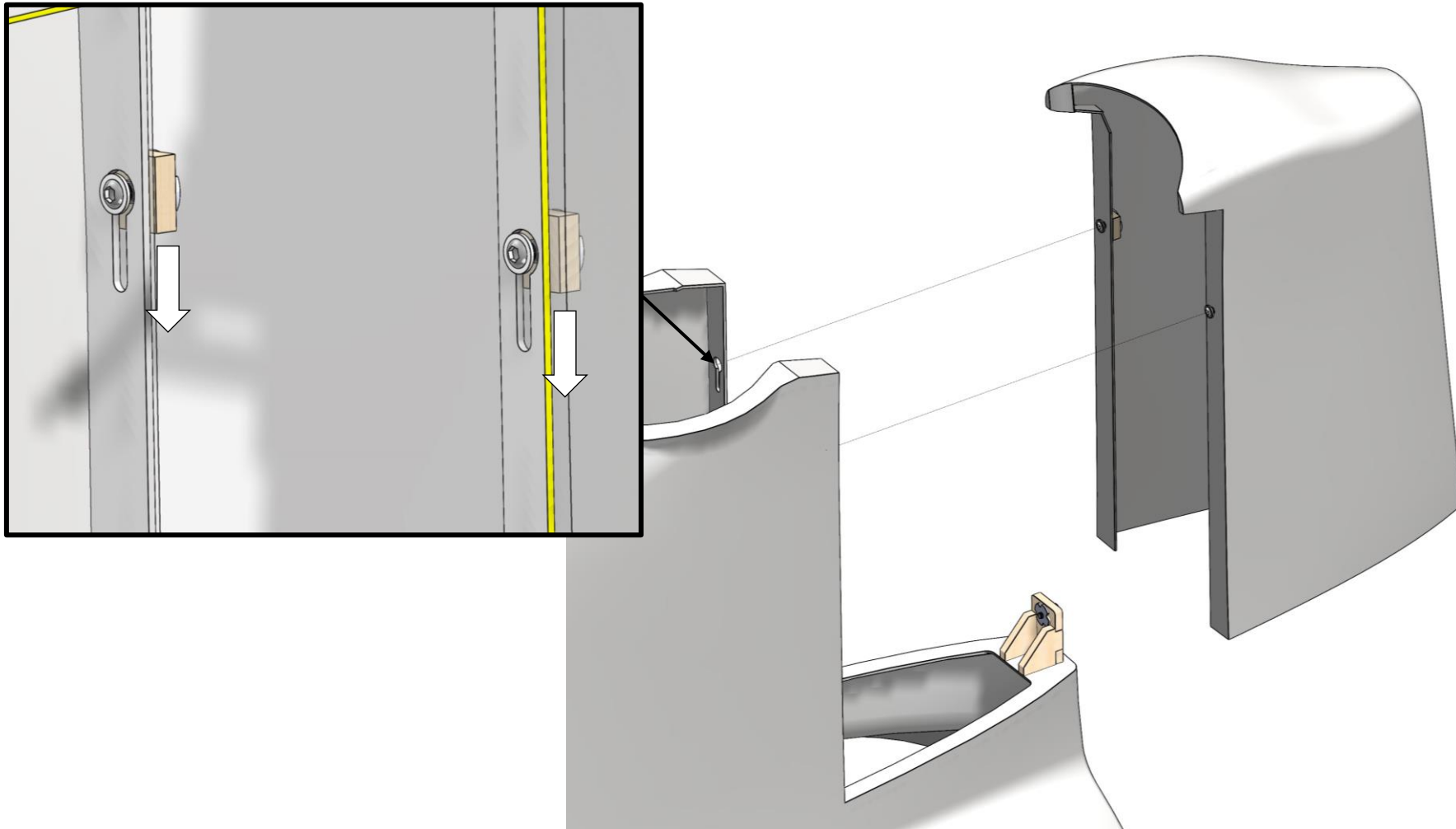
C1	C2	Q	U	J
102mm 4"	60mm 2.4"	8mm 1/3"	3,5mm 1/8"	15mm 0.6"

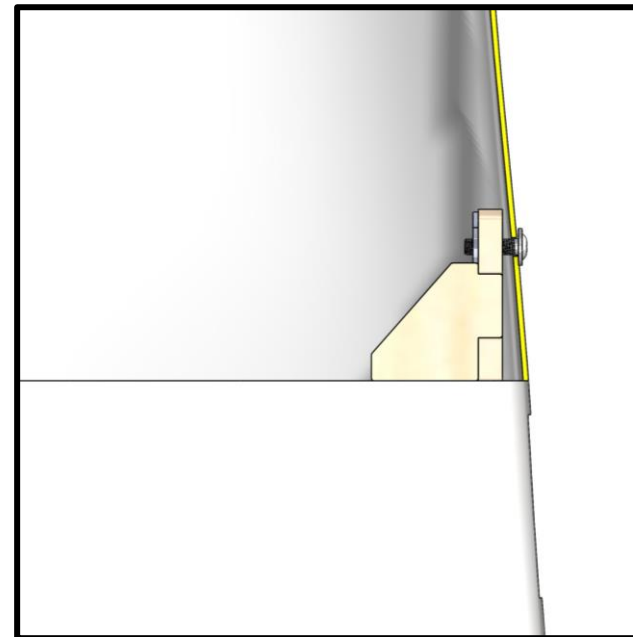
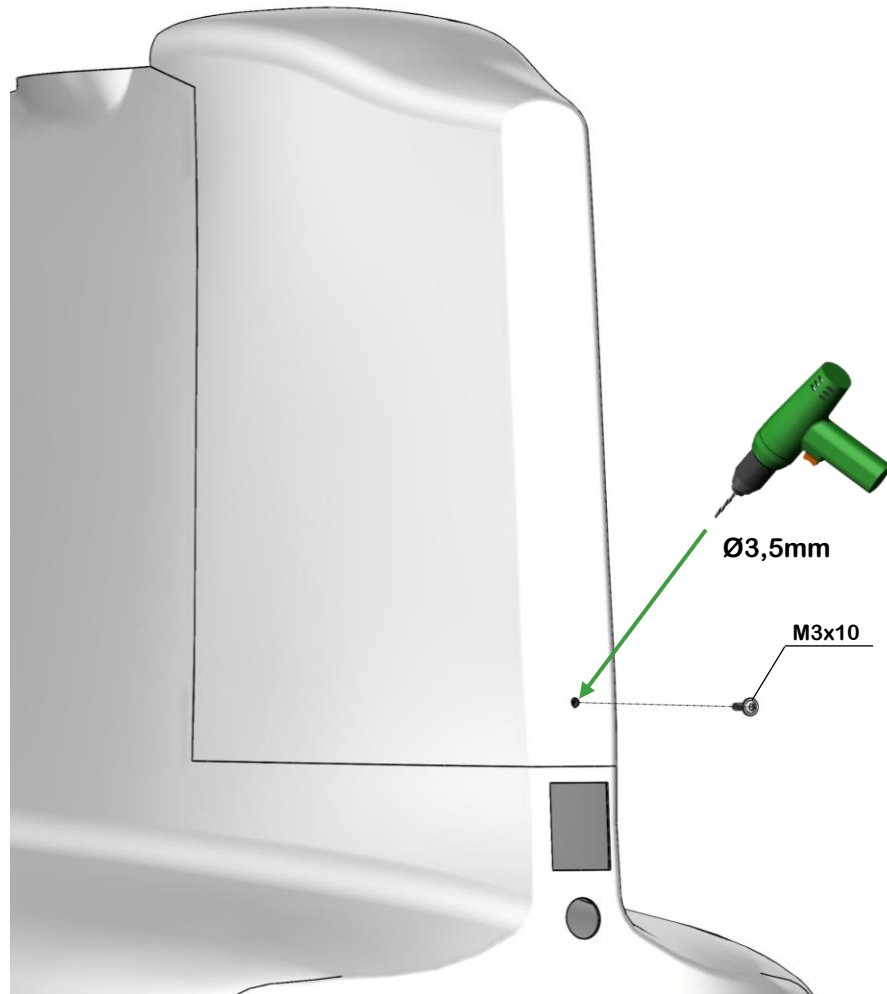


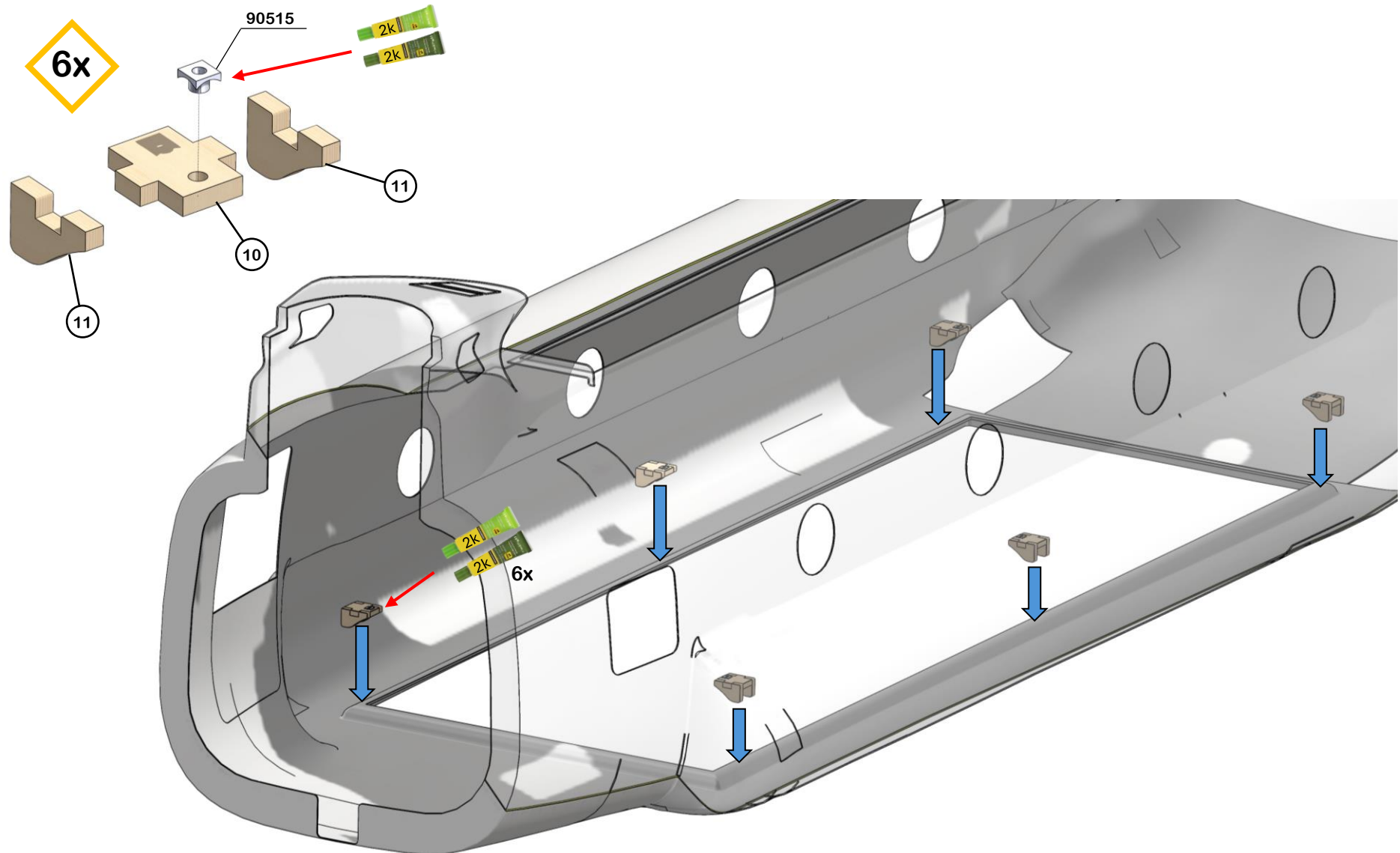
Holzleim
wood glue

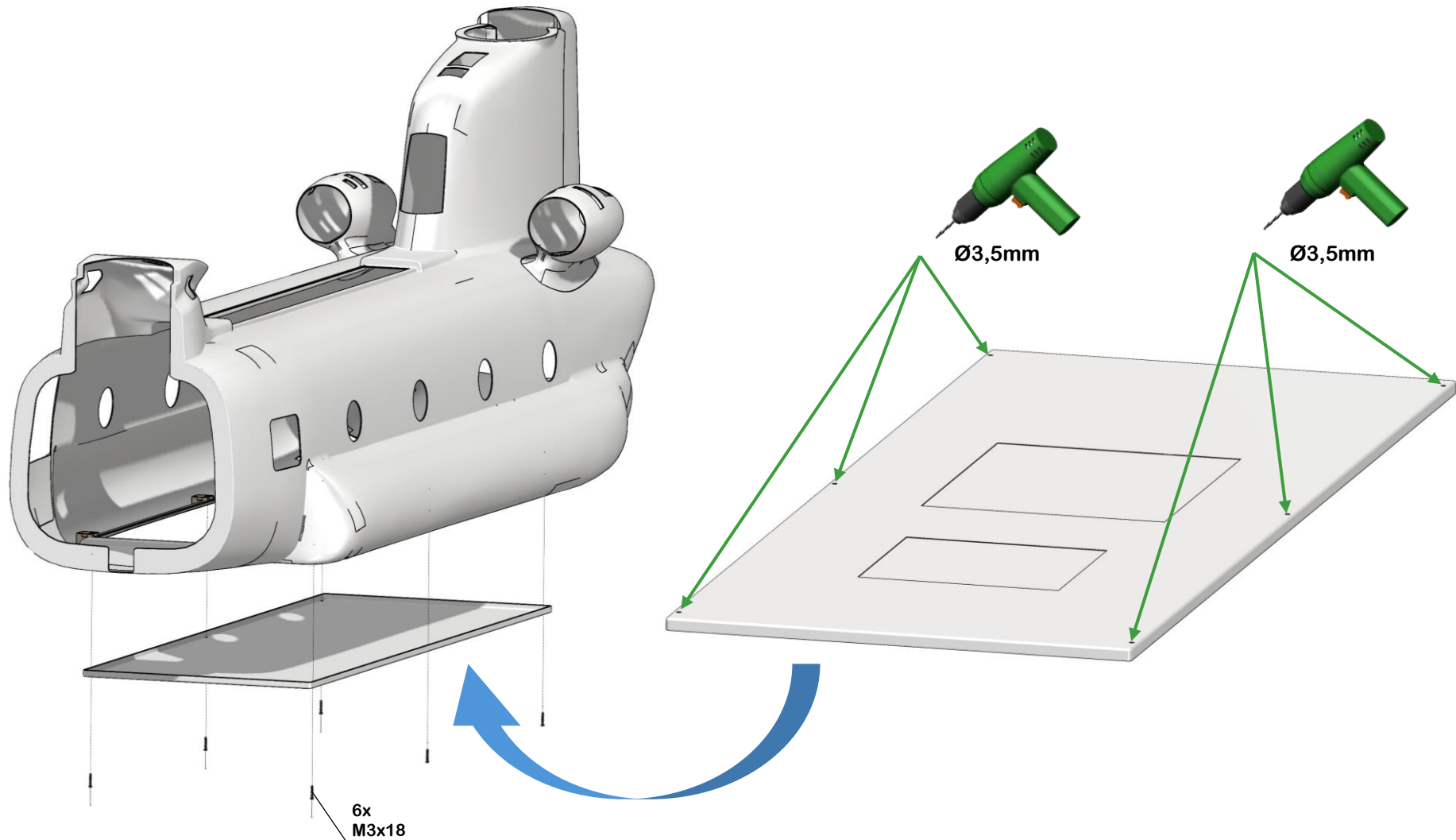


Ord.No. 10/27









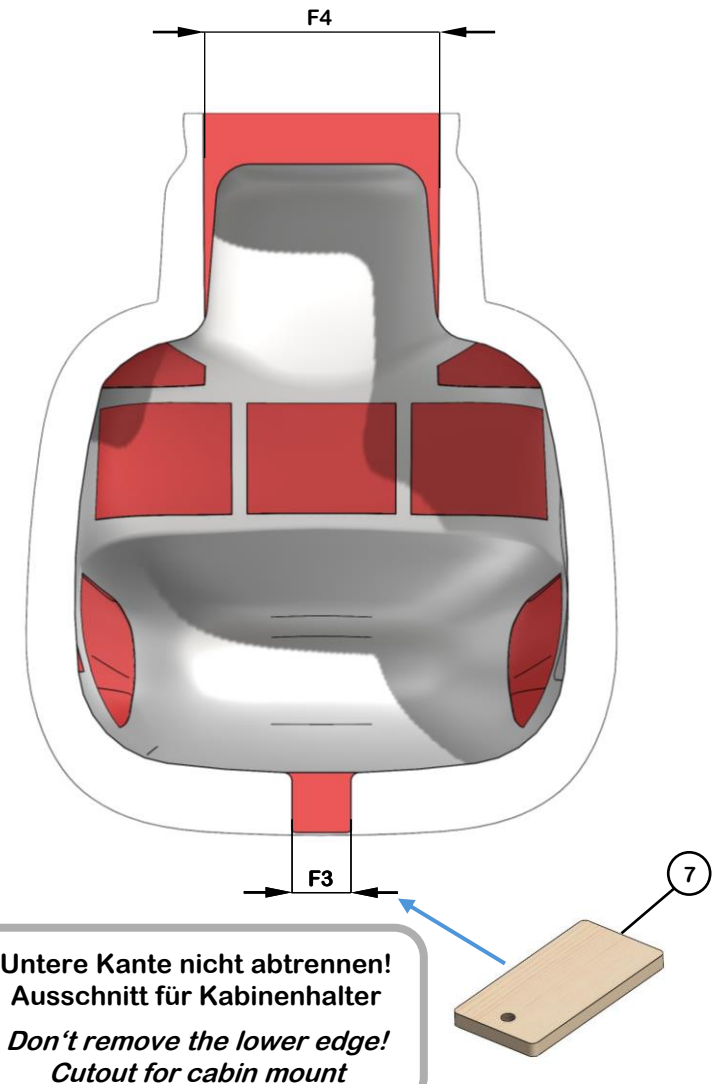




Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!

Approximations!
Verify the dimensions
with your own measurements
on the model!

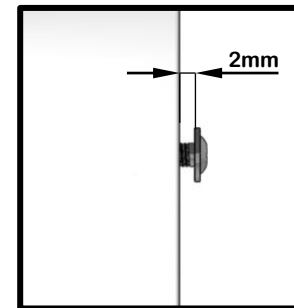
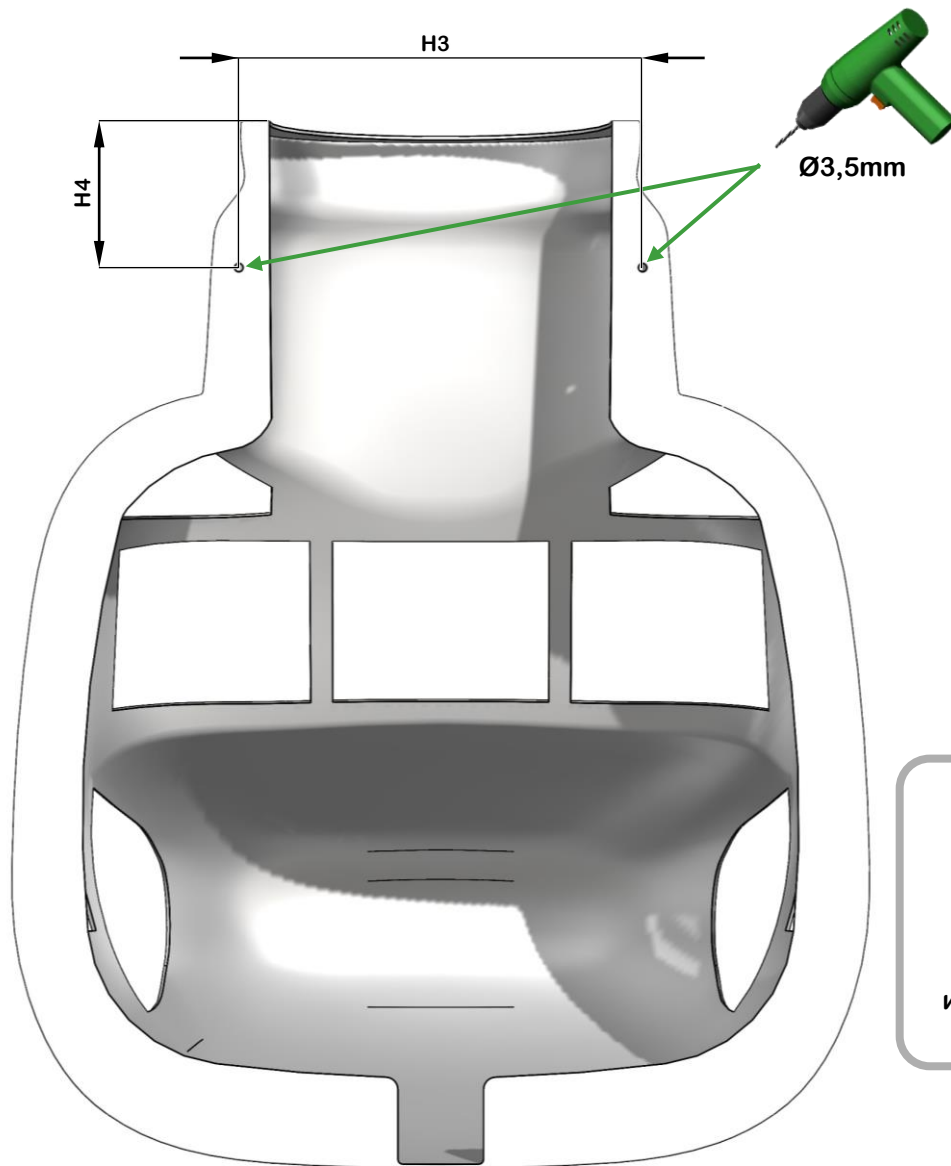
F1	F3	R
135mm 5.3"	35mm 3"	60mm 2.4"



Ausschnitte Kanzel Nose Cutouts

Ord.No. 4890

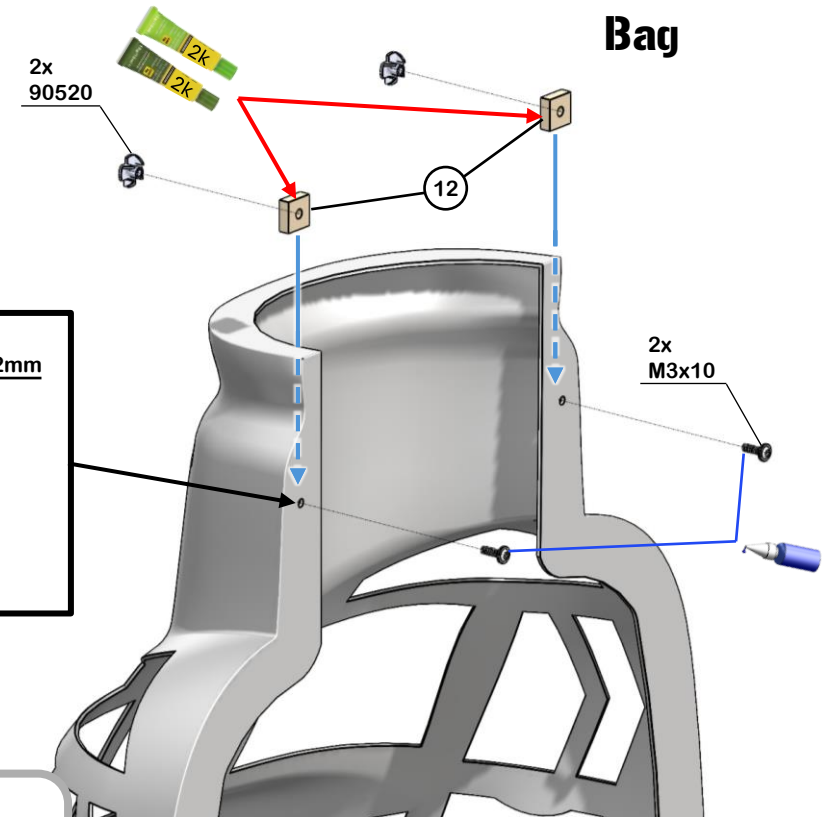
Beutel 3 Bag

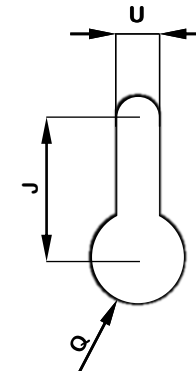
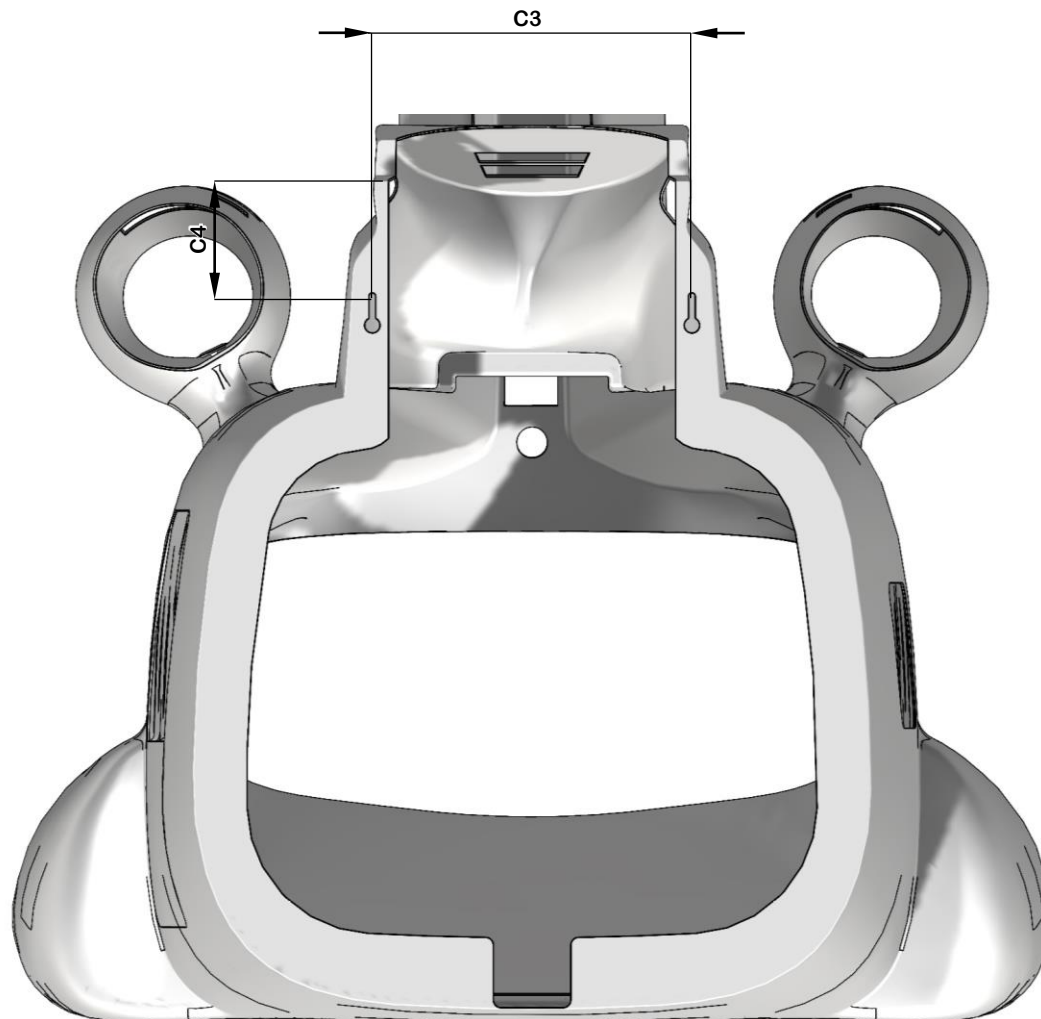


Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!

Approximations!
Verify the dimensions
with your own measurements
on the model!

H3	H4
102mm 3"	60mm 2.4"



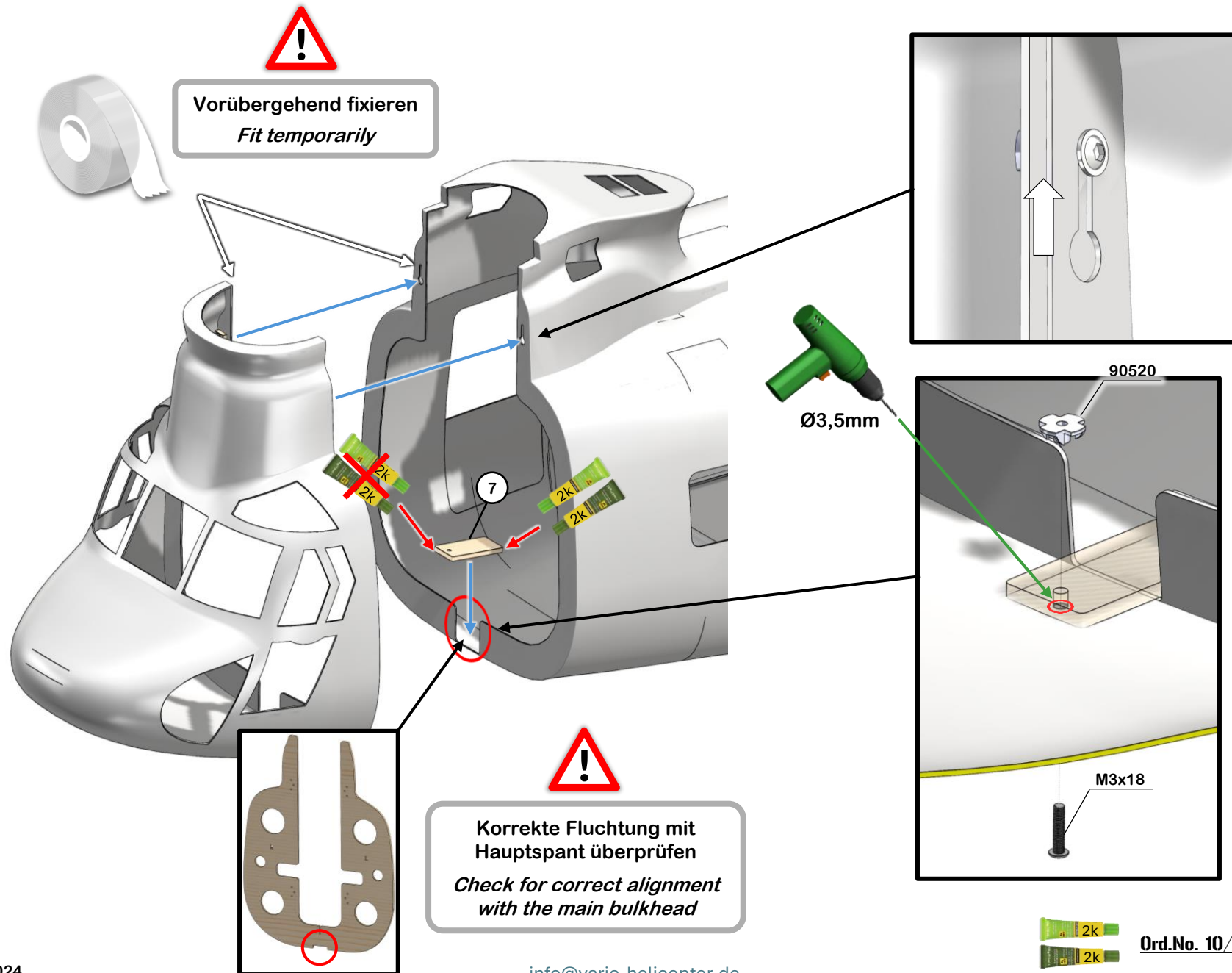


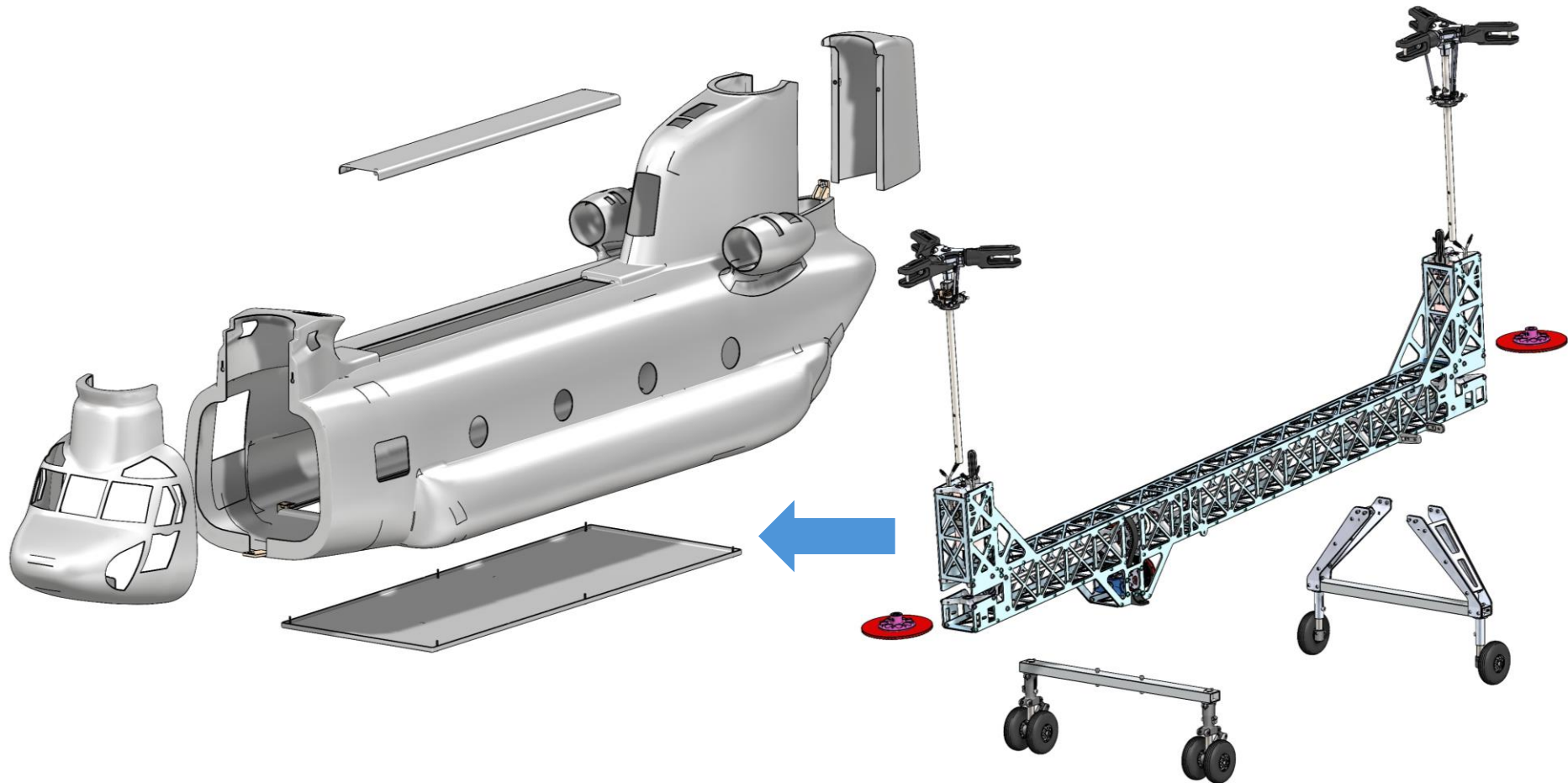
Annäherungswerte!
Überprüfen Sie die Maß-
angaben mit Ihren eigenen
Messungen am Modell!

Approximations!
Verify the dimensions
with your own measurements
on the model!

C3	C4	Q	U	J
102mm 4"	60mm 2.4"	8mm 1/3"	3,5mm 1/8"	15mm 0.6"

Beutel 3 Bag

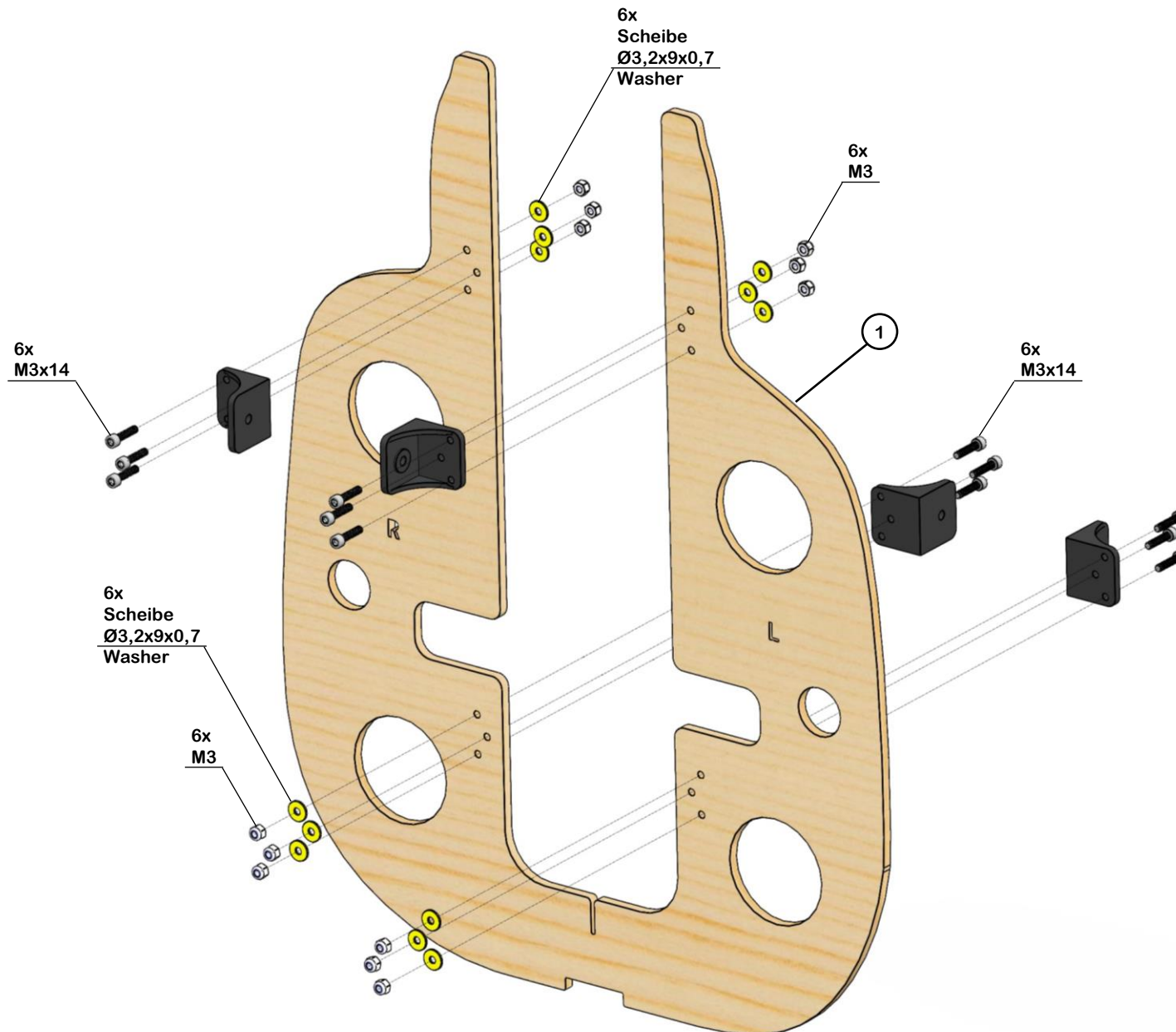


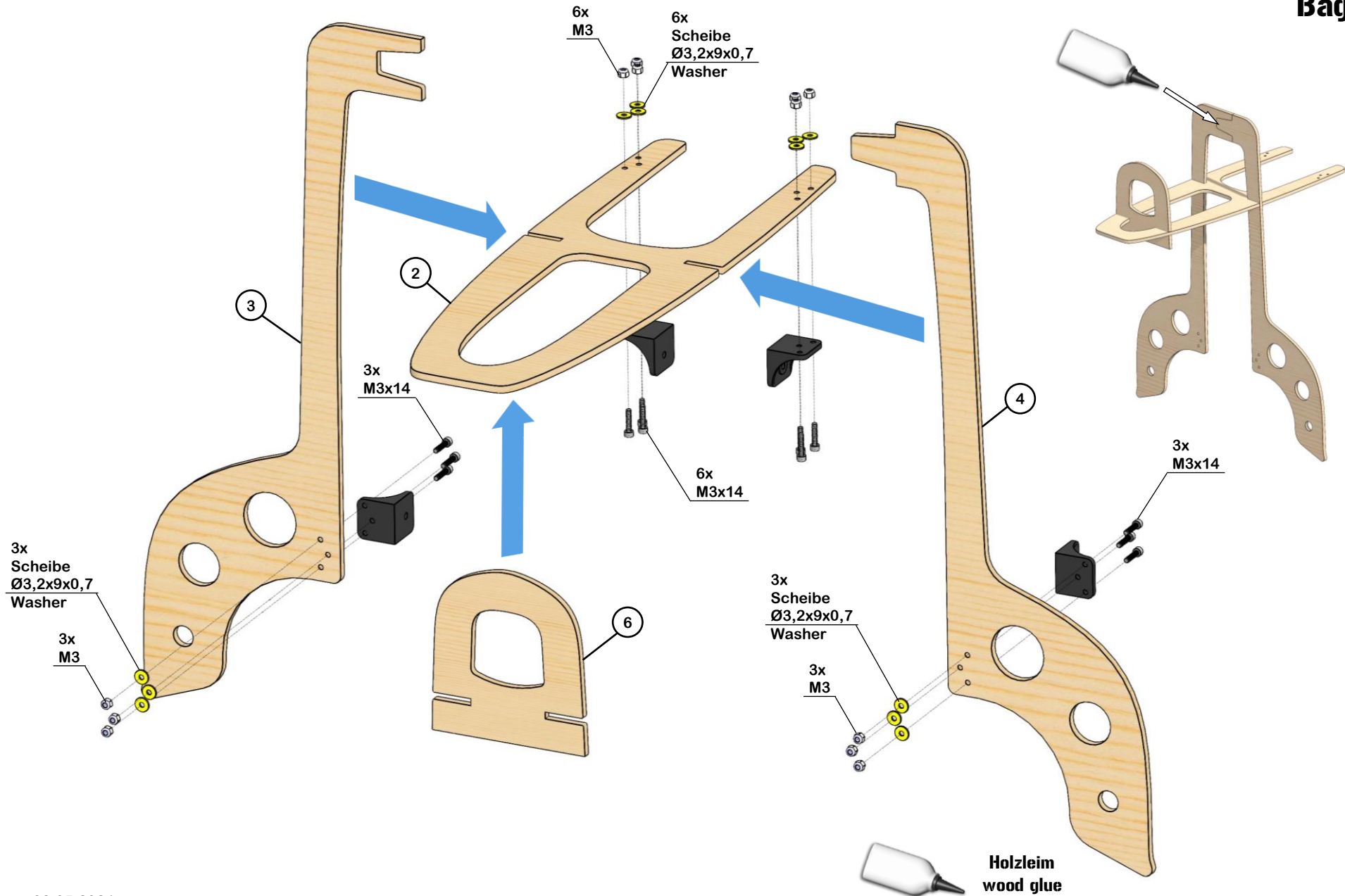


Hauptspant - Vorne
Main Bulkhead - Front

Ord.No. 4890

Beutel 4
Bag

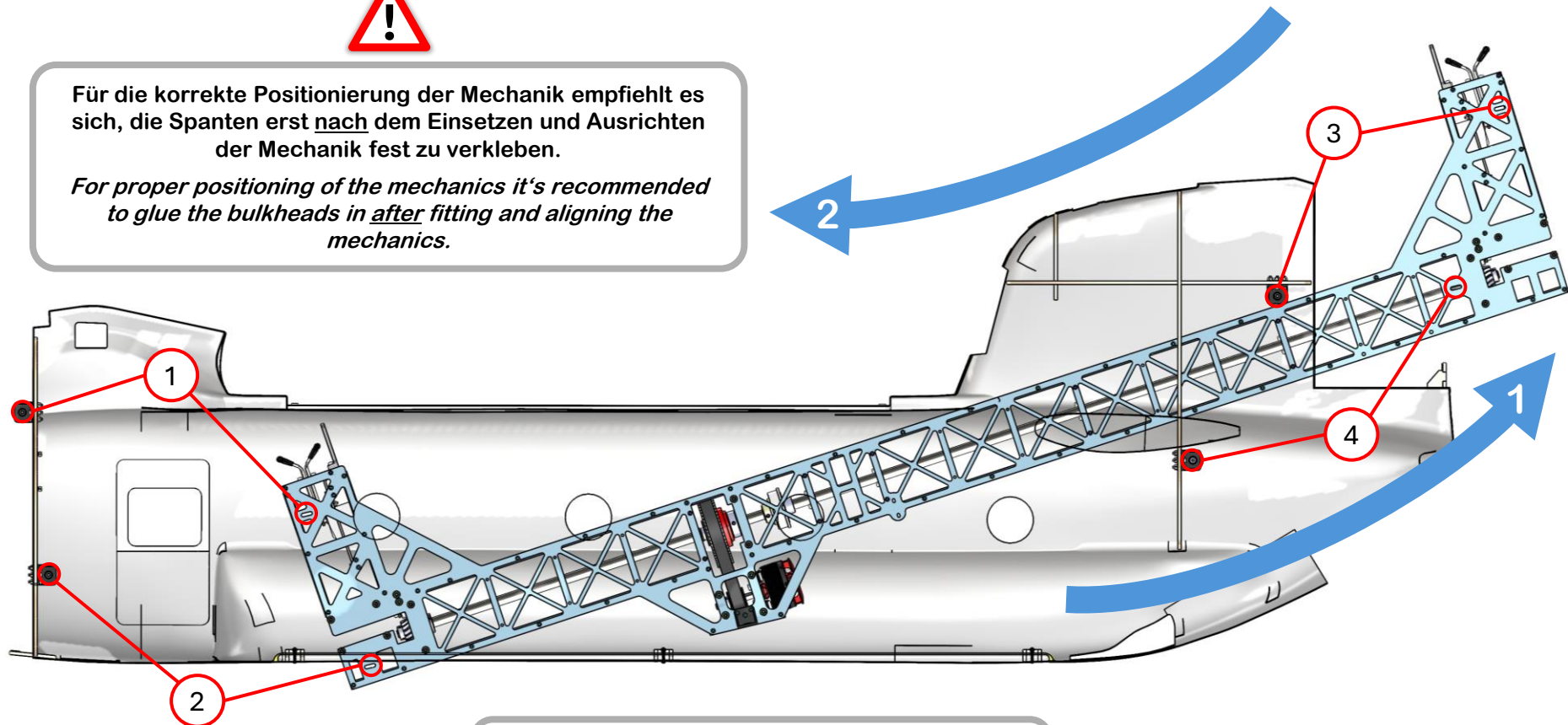






Für die korrekte Positionierung der Mechanik empfiehlt es sich, die Spanten erst nach dem Einsetzen und Ausrichten der Mechanik fest zu verkleben.

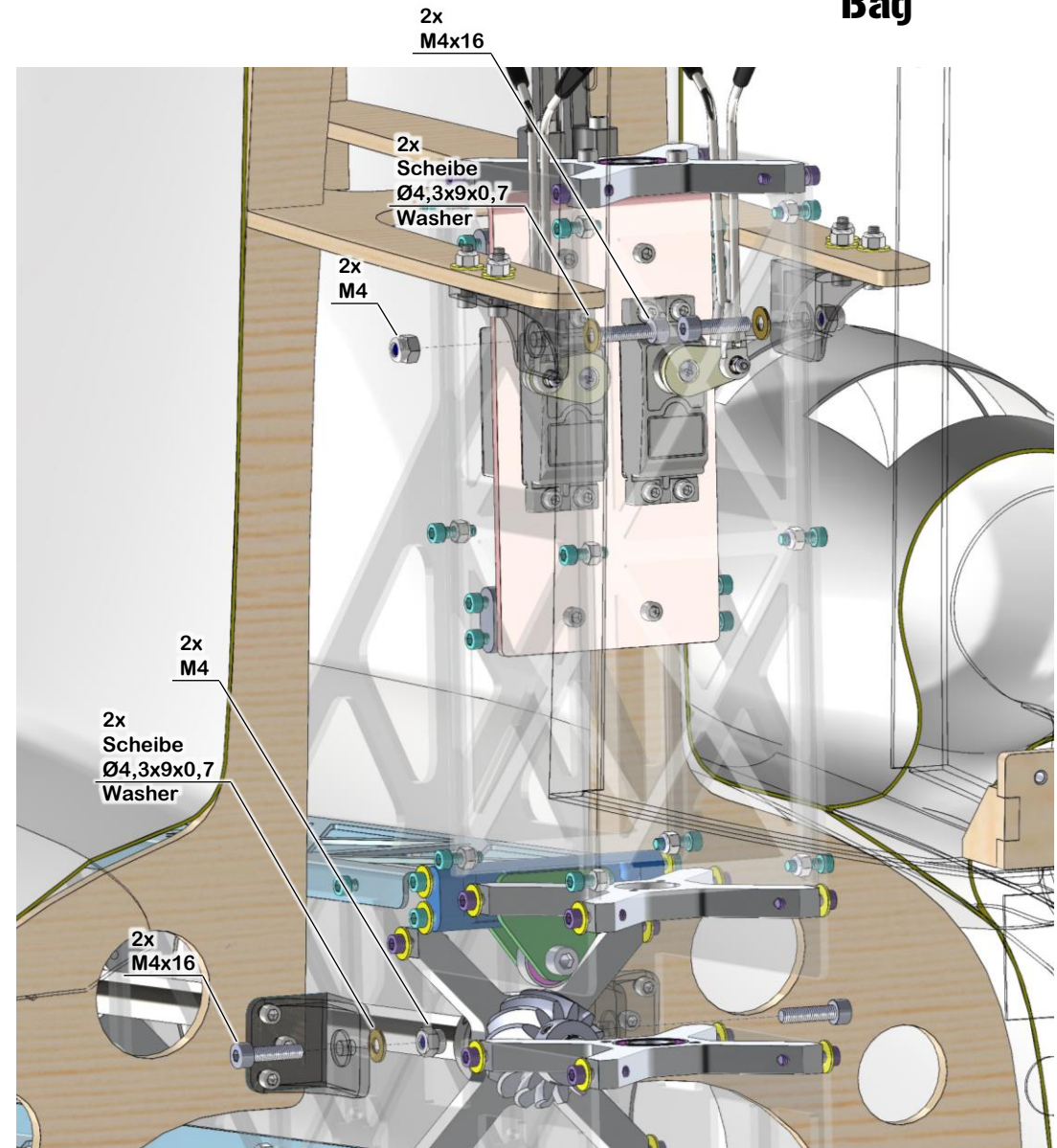
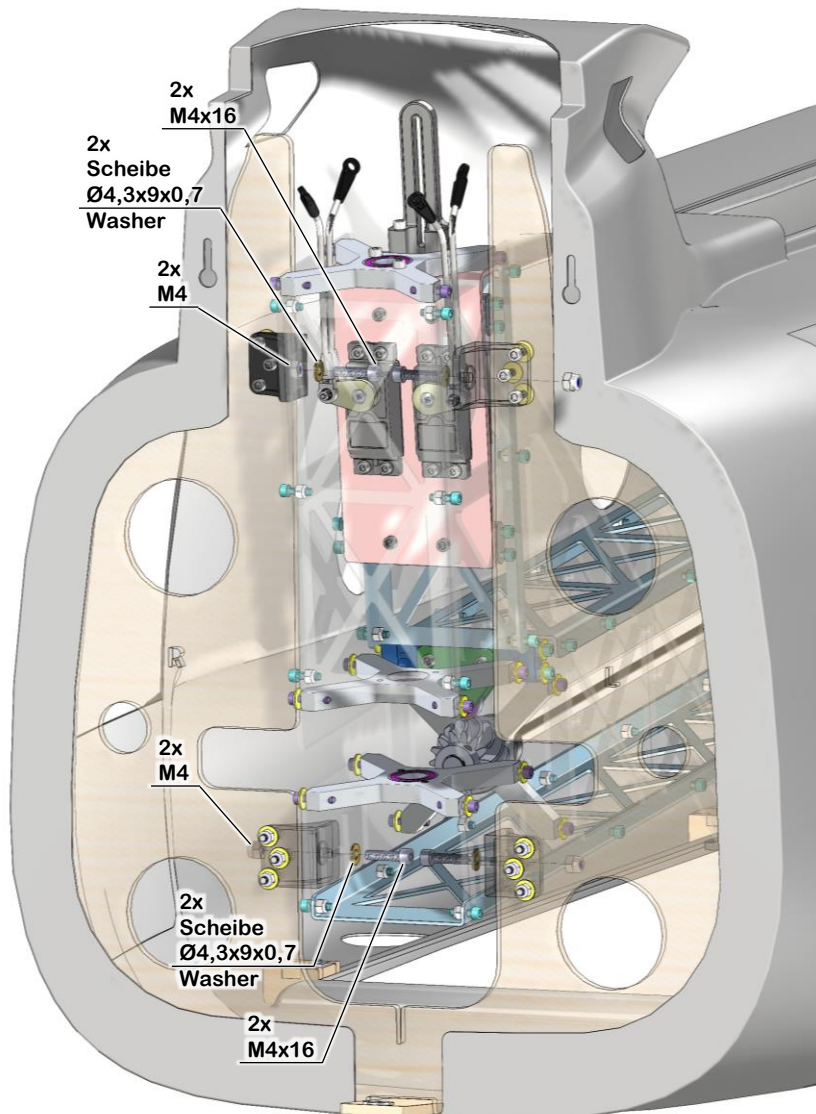
For proper positioning of the mechanics it's recommended to glue the bulkheads in after fitting and aligning the mechanics.



Je nachdem, für welche Ausschnitte Sie sich entscheiden, kann der damit verbundene Aufwand zum Einsetzen der Mechanik variieren.

Depending on your choice of cutouts the effort required to insert the mechanics may vary.

Beutel 5 Bag



**Rumpfausschnitte
Fuselage Cutouts**

Ord.No. 4890

703/489

**Rotorkopf
Rotor Head**



Befestigungselemente separat im Set
703/489 XL-Tandem Rotorkopf erhältlich.

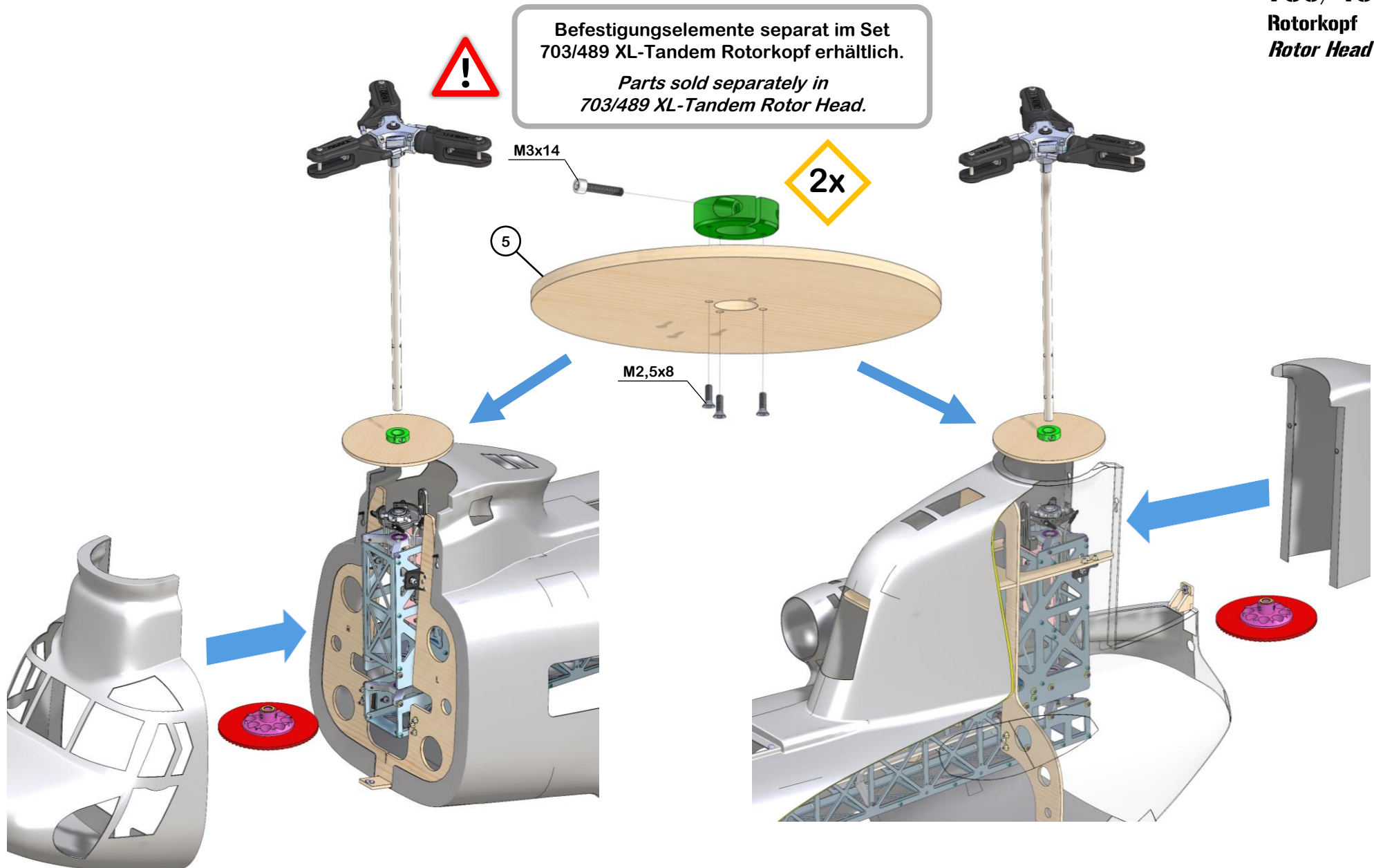
*Parts sold separately in
703/489 XL-Tandem Rotor Head.*

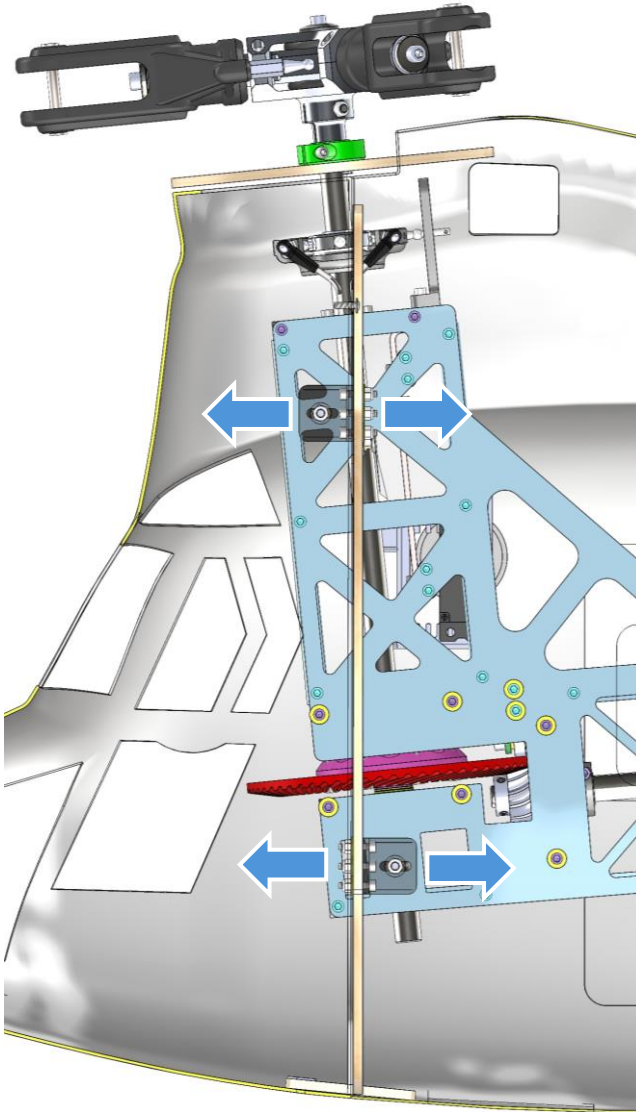


M3x14

5

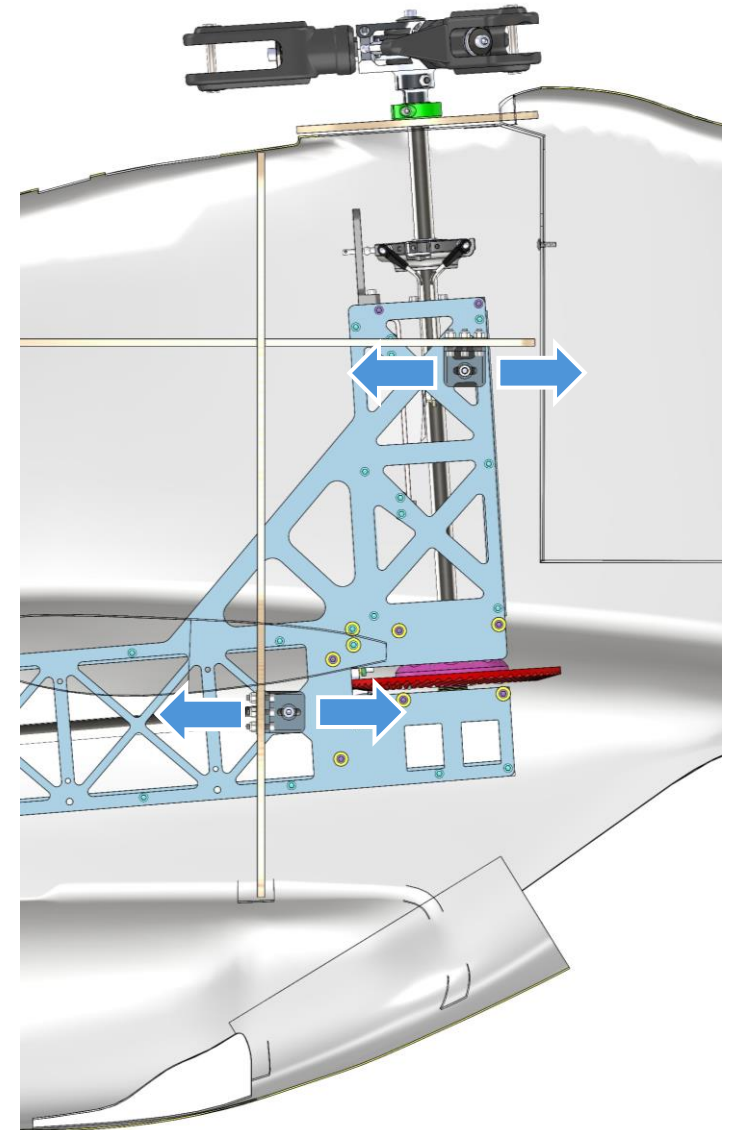
M2,5x8

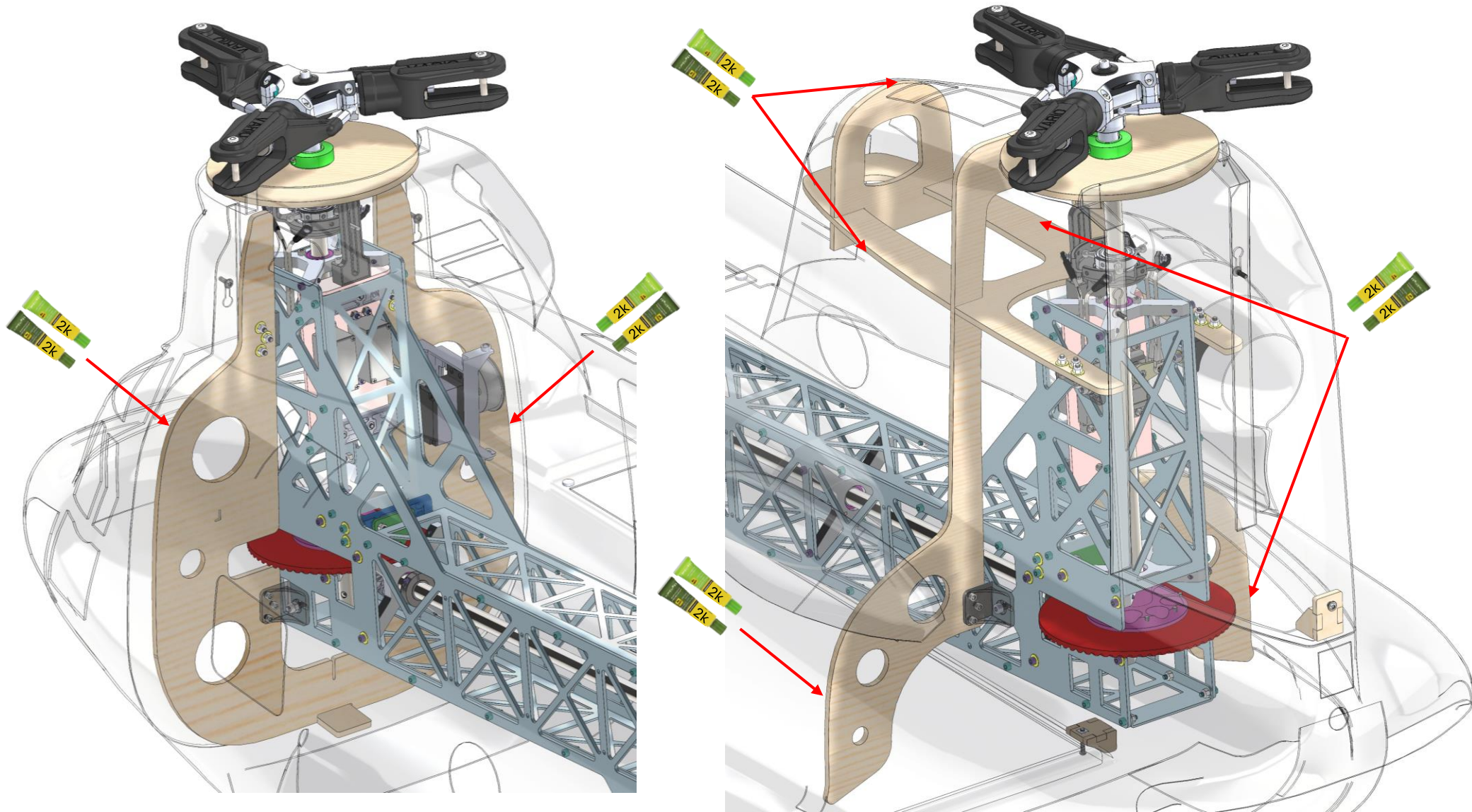




Richten Sie die Mechanik so aus, dass sich die Rotorwellen in der Mitte des Rumpfausschnittes befinden. Dabei kann es hilfreich sein, die Spanten vorher mit wenig Sekundenkleber zu fixieren.

Adjust the position of the mechanics so that the rotor shafts are located in the middle of the openings. It may be helpful to fixate the bulkheads with a small amount of CA glue.

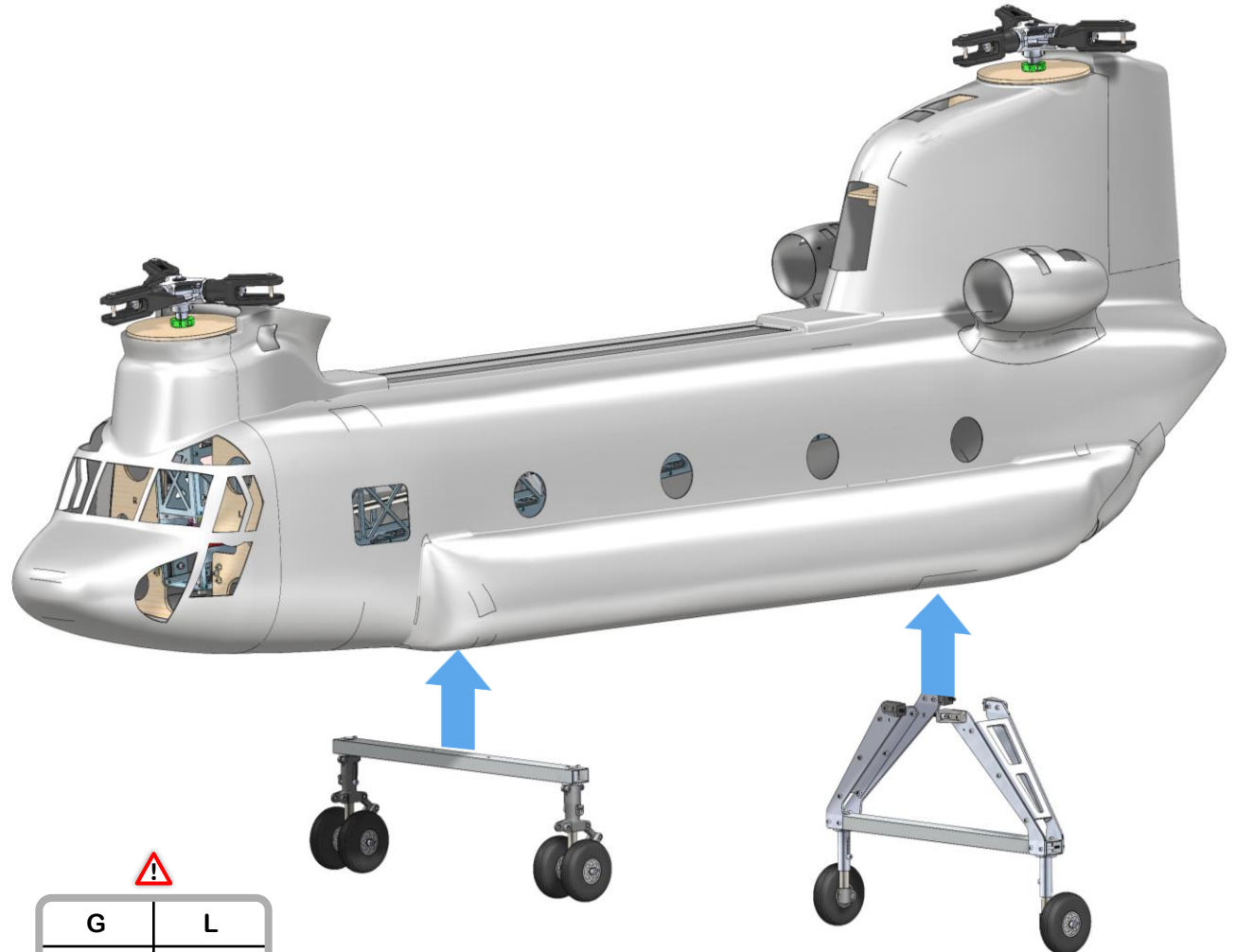
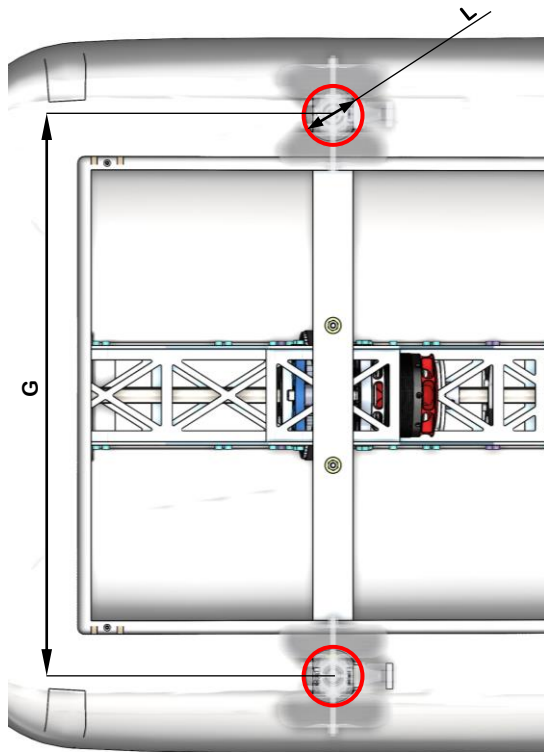






Korrekte Position der Fahrwerksaus-
schnitte muss ermittelt werden.

*The correct position of the front landing
gear cutouts has to be located.*



⚠

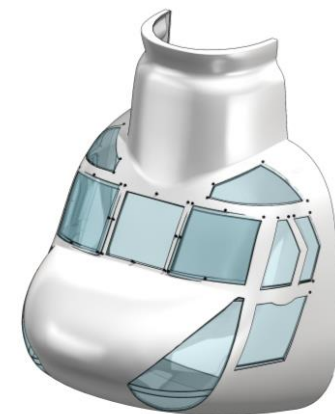
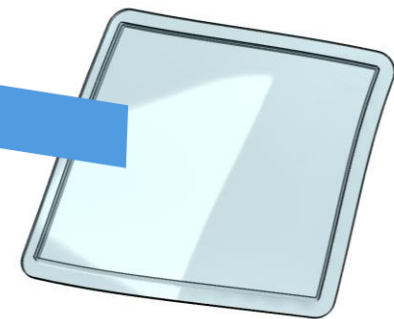
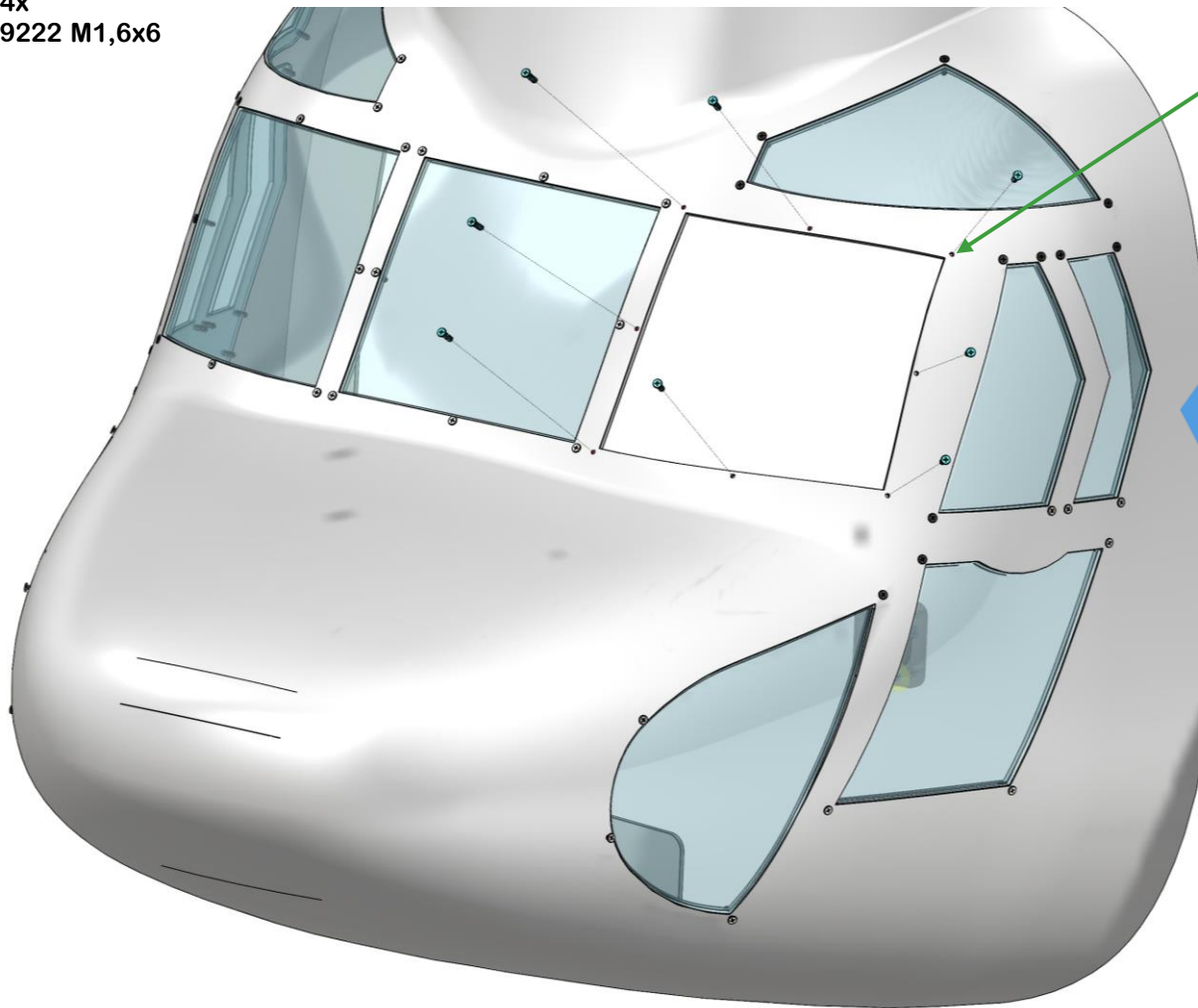
G	L
420mm 16.5"	40mm 1.6"



64x
99222 M1,6x6

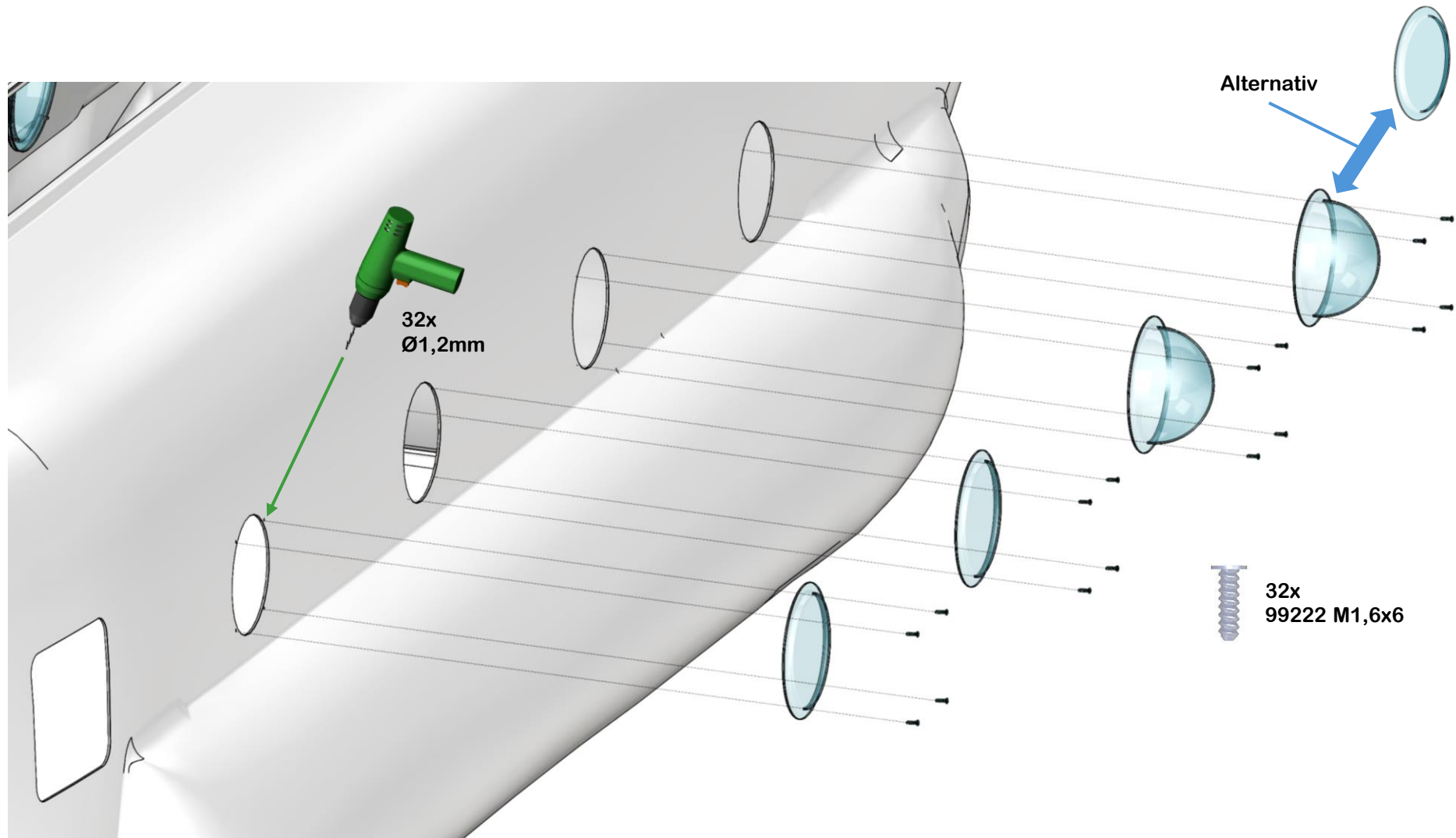


64x
Ø1,2mm



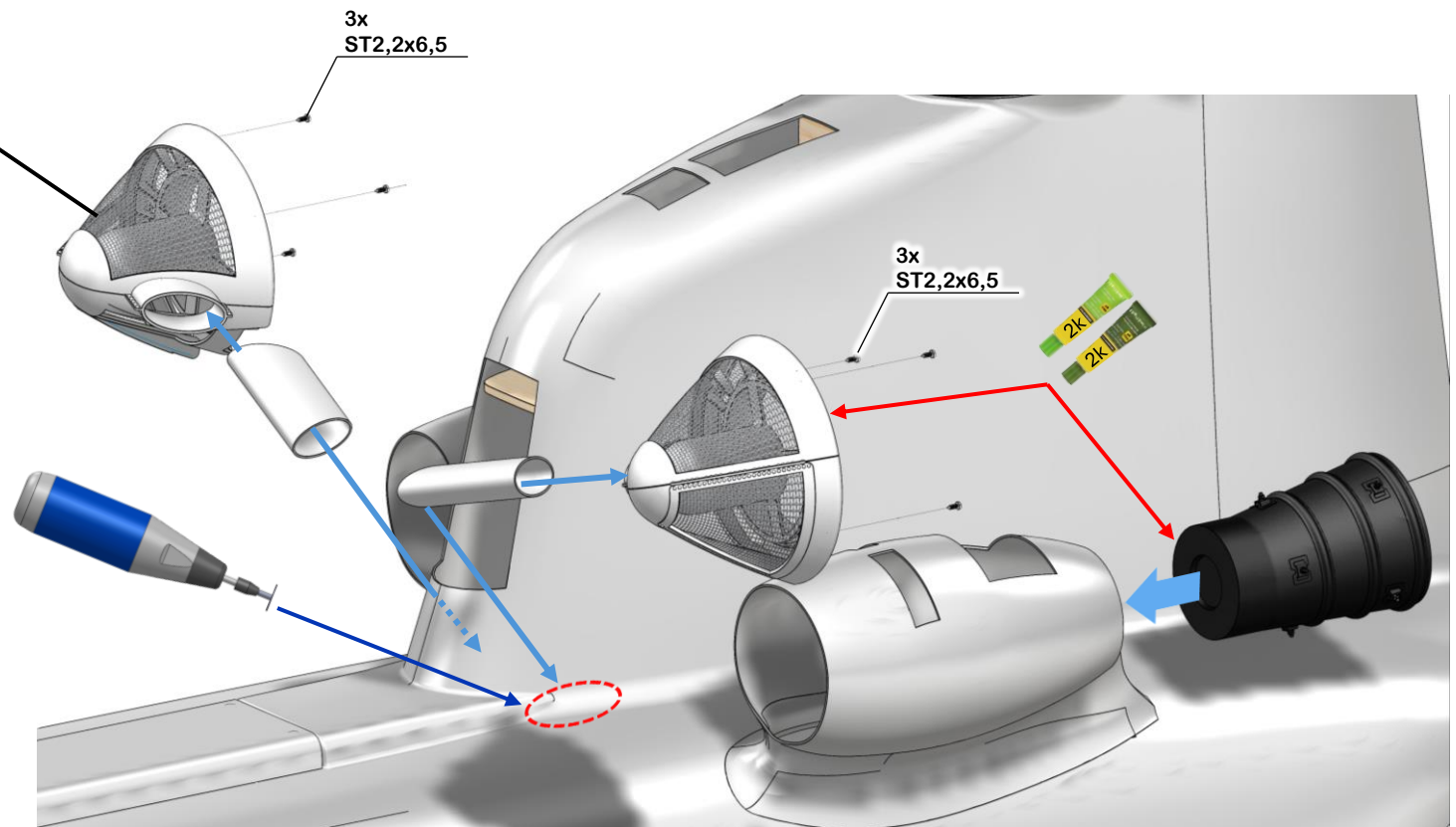
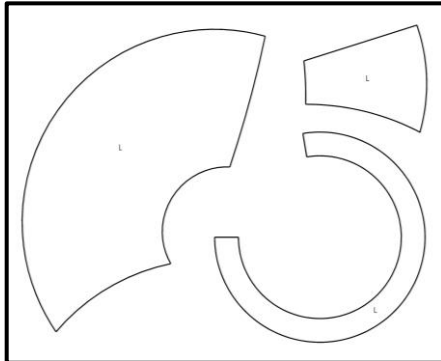
Alternativ
Ord.No. 4990

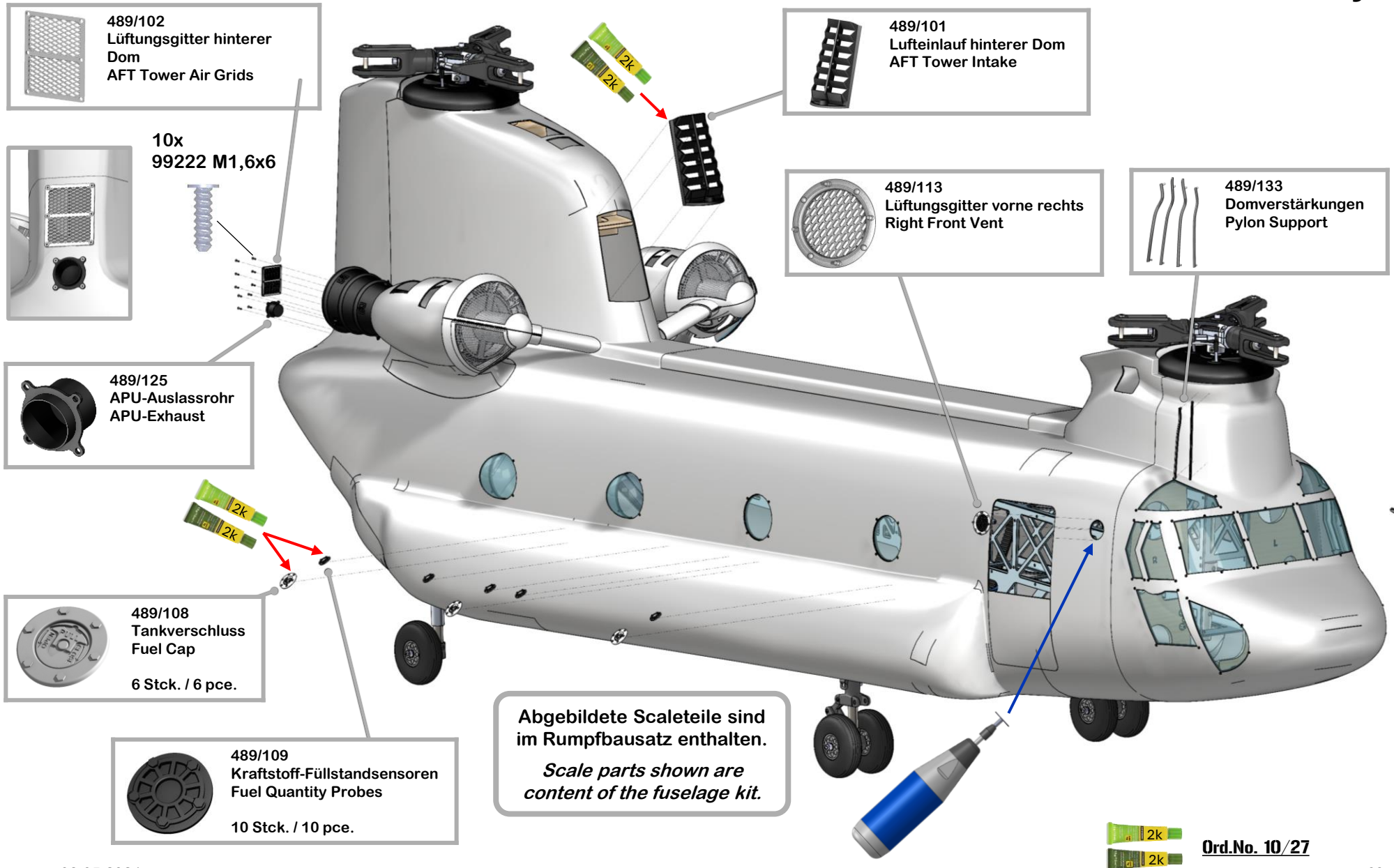
Beutel 6 Bag





Schablone für Gitter ab Seite 75.
Pattern for grids at page 75.

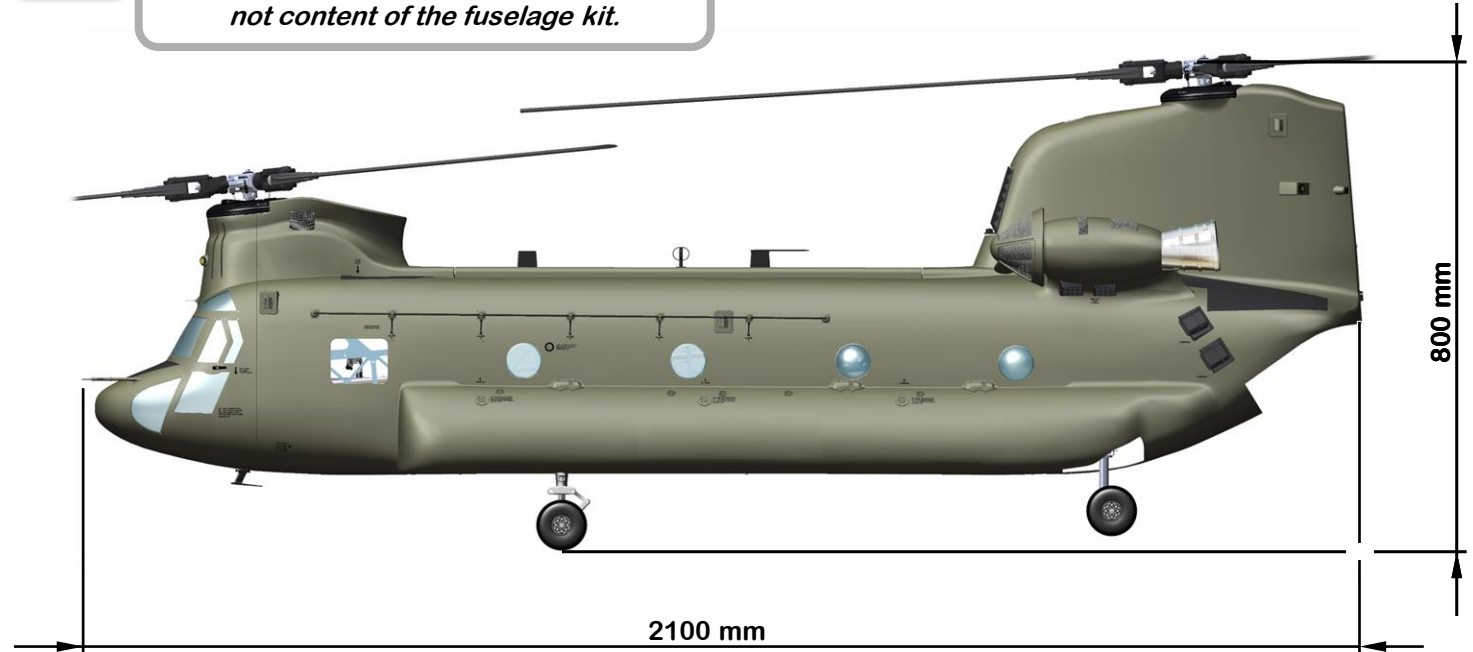
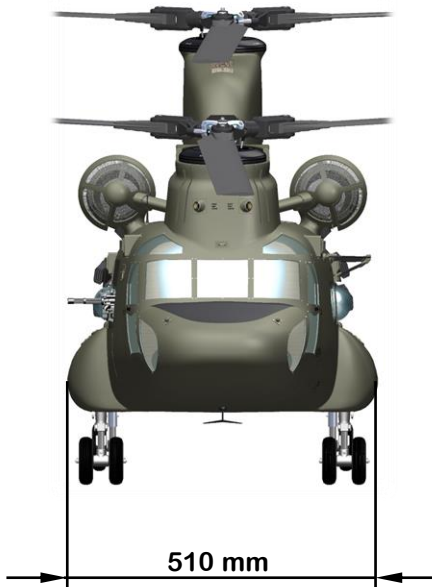






Abbildungen enthalten Scaleteile, die nicht im Rumpfbausatz enthalten sind.

Images contain scale parts which are not content of the fuselage kit.



Länge / Length	2100 mm
Breite / Width	510 mm
Höhe / Height	800 mm
Abfluggewicht / TO Weight	23,5 kg
Antrieb / Motor	Pyro 800-40L
Leistung / Power	5 kW
Übersetzung / Gear ratio	1:18
Rotorkreis / Rotor diameter	2300 mm
Rotordrehzahl / Rotor Revolutions	820 U/min



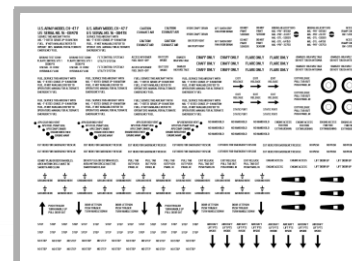
Übersicht optionale Scaleteile Overview optional Scale Parts

Ord.No. 4890



Abbildungen enthalten Scaleteile, die nicht im Rumpfbausatz enthalten sind.

Images contain scale parts which are not content of the fuselage kit.



489/0
Decorbogen Chinook 1:7,5
Decal Sheet Chinook 1:7,5



489/104
Radarwarnsensoren hinterer Dom
AFT Tower Radar Warning Sensors

2 Stck. / 2 pcs



489/103
EWS Sensor hinterer Dom
AFT Tower EWS Sensor

2 Stck. / 2 pcs.



489/119
VHP AM-FM-Antenne
VHP AM-FM Antenna



489/120
Sat Com Antenne
Sat Com Antenna

2 Stck. / 2 pcs.



489/110
Sporn Laderampe
Platform Skids

6 Stck. / 6 pcs.



489/107
IR-Täuschkörper-Magazin
Fare Dispenser

4 Stck. / 4 pcs.



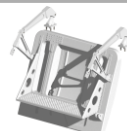
489/118
UHV-Antenne
UHV Antenna



489/124
Glideslope Antenne
Glideslope Antenna



489/130
Lasthaken
Cargo Hook



489/105
Kabineneinstieg
Cabin Entrance Step



489/128
Pitotrohre einfach
Pitot Tubes

2 Stck. / 2 pcs.

Übersicht optionale Scaleteile Overview optional Scale Parts

Ord.No. 4890



Abbildungen enthalten Scaleteile, die
nicht im Rumpfausatz enthalten sind.

*Images contain scaleparts which are
not content of the fuselage kit.*



30/489
Scheibenwischer
Windscreen Wipers

2 Stck. / 2 pcs



489/115
IR-Leuchten
IR Light Housing

3 Stck. / 3 pcs.



489/135
Schmierstoffkühler
Oil Cooler



489/123
Sandfilter
Sand Filter

2 Stck. / 2 pcs.



489/122
Radarwarnsensoren
Radar Warning Sensors

2 Stck. / 2 pcs



489/112
Pitotrohre
Pitot Tubes

2 Stck. / 2 pcs.



489/121
Pfeilantenne
Arrow Shaped Antenna



489/136
Hydraulikanschluss
Hydraulic Connector



489/114
HF-Anennen-Befestigung
HF Antenna Mounts



489/126
Abdeckung Übergang Tank
Sponson Kink Covers

6 Stck. / 6 pcs.

Übersicht optionale Scaleteile Overview optional Scale Parts



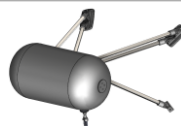
Abbildungen enthalten Scaleteile, die nicht im Rumpfbausatz enthalten sind.

Images contain scale parts which are not content of the fuselage kit.



489/129
Laserdetektionssensoren
Laser Detecting Sensors

6 Stck. / 6 pcs.



489/127
Seilwinde
Winch



489/106
Raketenwarnsensoren
Missile Warning Sensors

2 Stck. / 2 pcs.



489/132
IR-Unterdrückungssystem
IR-Suppression System

2 Stck. / 2 pcs.



489/134
Minigun

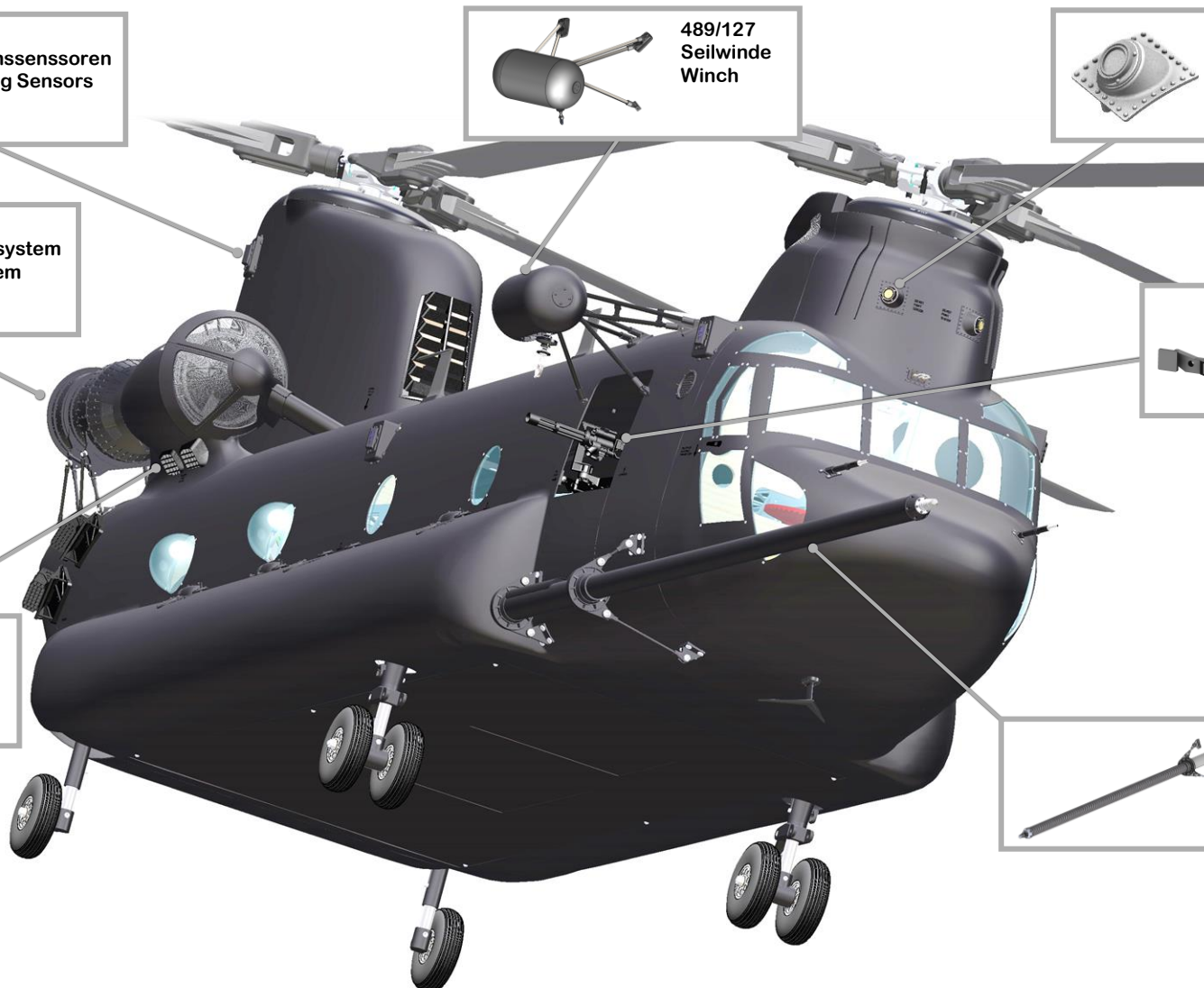


489/117
Lufteinlässe Turbine
Turbine Air Vents

4 Stck. / 4 pcs.



489/131
Luft-Luft-
Betankungs-
sonde
Aerial Refueling Probe



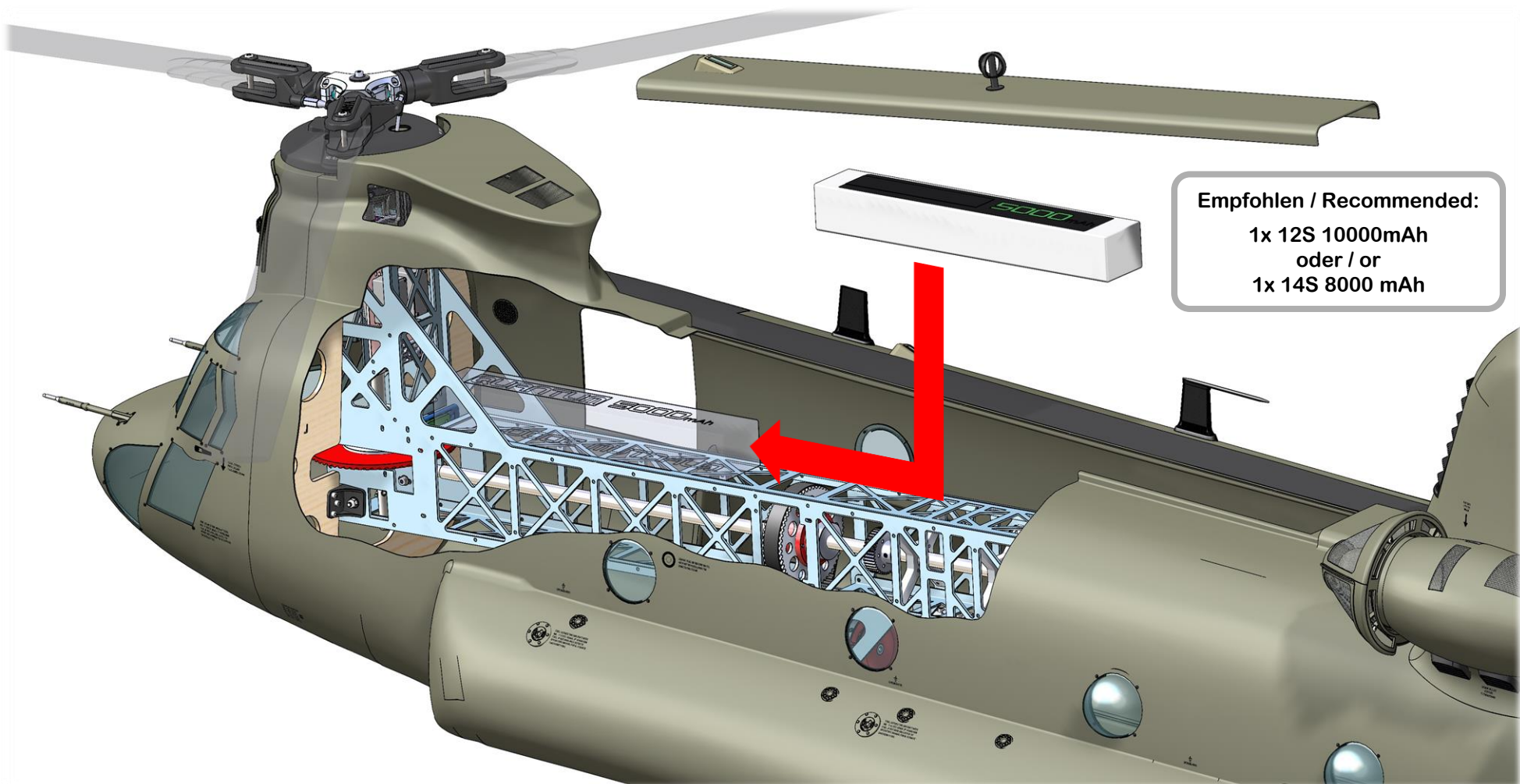
Akku-Platzierung Battery Placement

Ord.No. 4890



Die optimale Position des Akkus muss anhand des gewünschten Schwerpunkts ermittelt werden.

The ideal placement of the battery must be determined based on the desired center of mass.



Empfohlen / Recommended:

1x 12S 10000mAh
oder / or
1x 14S 8000 mAh

