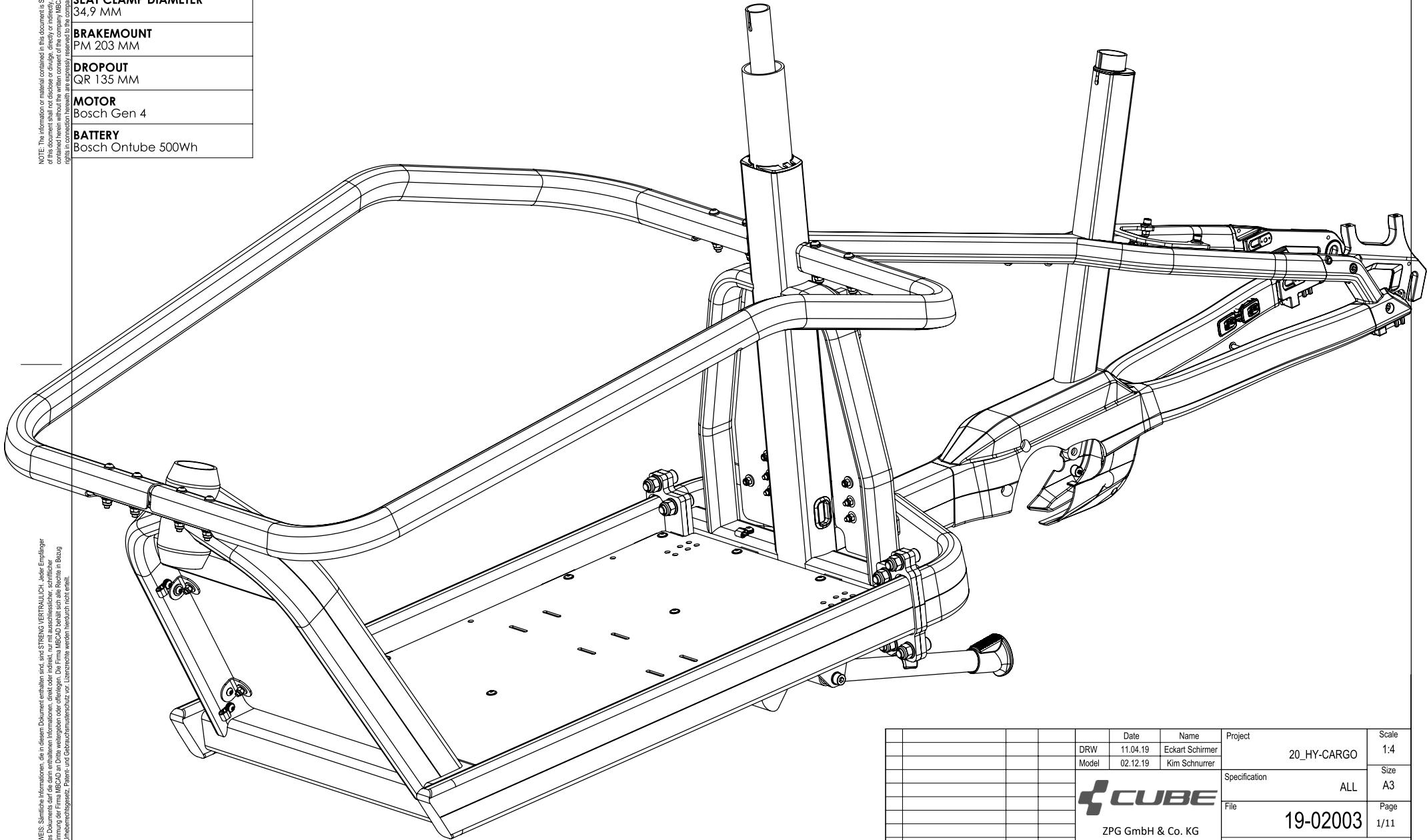


HEADSET DIMENSION
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
STEERING TUBE BEARING
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
SEAT POST DIAMETER
30,9 MM
SEAT CLAMP DIAMETER
34,9 MM
BRAKEMOUNT
PM 203 MM
DROPOUT
QR 135 MM
MOTOR
Bosch Gen 4
BATTERY
Bosch Ontube 500Wh

20_HY-O4-C2

ALL



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R	Revision	Date	Name	Date	Name	Project	Scale
				11.04.19	Eckart Schirmer	20_HY-CARGO	1:4
				02.12.19	Kim Schnurrer		Size
							A3
						Specification	ALL
						File	19-02003
							Page
							1/11

CUBE
ZPG GmbH & Co. KG

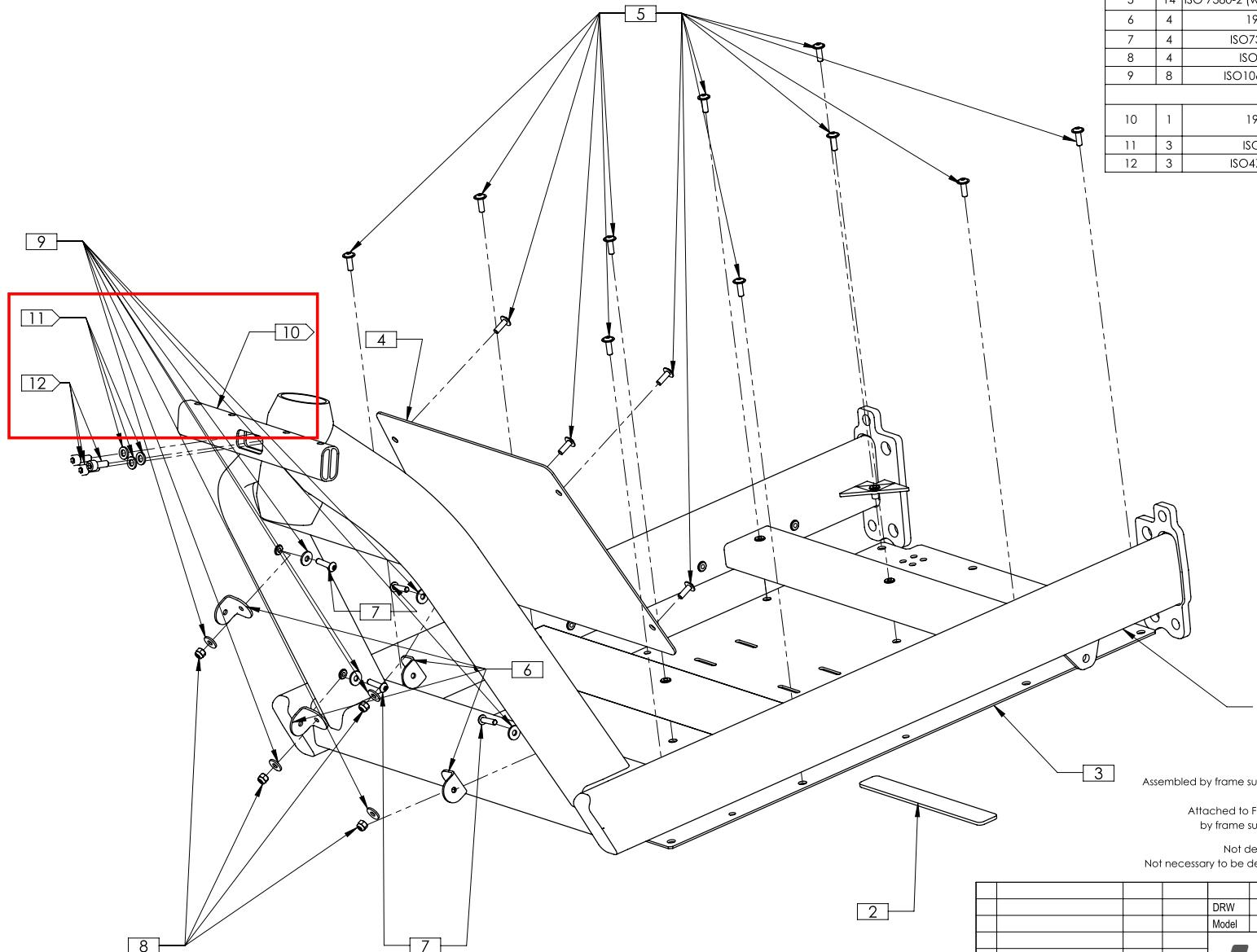
STEERING TUBE BEARING
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated

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20_HY-O4-C2

FRONT

(Assembled by frame supplier)



label with: "Beipack"

label with: "Montage"

POS-No.	QTY	FILE-No.	ITEM No.	DESCRIPTION	NOTES
1	1	19-02004		frame_20_HY-CARGO	
Assembled by frame supplier					
2	1	20-01050		protection-kickstand_20_HY-CARGO	
3	1	18-06292	3354	BASEPLATE-MIDDLE_20_HY-CARGO	
4	1	19-03615	3353	BASEPLATE-FRONT_20_HY-CARGO	
5	14	ISO 7380-2 (with flange) M5x15		SCREW	
6	4	19-03983	3338	L-shape-steel_20_HY-CARGO	
7	4	ISO7380M5x15		SCREW	
8	4	ISO7040M5		NUT	
9	8	ISO10669-5.4x1.6		WASHER	
Attached to frame by frame supplier					
10	1	19-05384		ft_support_front_20_HY-CARGO	
11	3	ISO7090-6		WASHER	
12	3	ISO4762M6x16		SCREW	

R	Revision	Date	Name	Date	Name	Project	Scale
				DRW	Eckart Schirmer		
				11.04.19		20_HY-CARGO	1:4
				28.11.19	Kim Schnurrer		
						Specification	A3
						File	19-02003
						Page	2/11

STEERING TUBE BEARING
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated

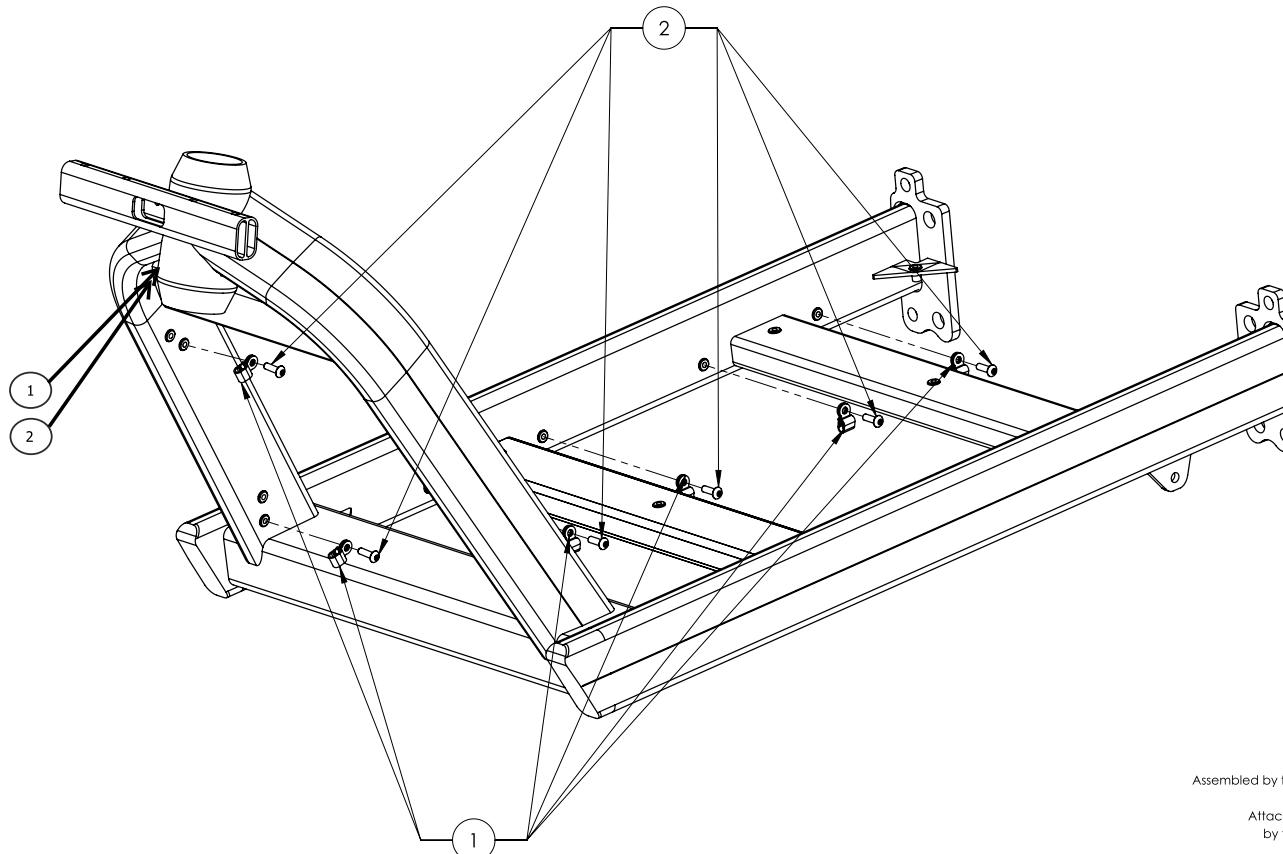
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20_HY-O4-C2

FRONT

(Assembled in Germany)

POS-No.	QTY	FILE-No.	ITEM No.	DESCRIPTION	NOTES
Assembled in Germany					
1	9	15-00864	33935	CR_cgu/cgu-scrd	
2	9	ISO7380-M5x10		SCREW	



Pre-Assembled by Frame Supplier -thread in only, no torque-	△																												
Assembled by frame supplier	□																												
Attached to Frame by frame supplier	□																												
Not defined, Not necessary to be defined	—																												
Assembled by CUBE	○																												
Option: Assembled by CUBE	□																												
Packed as Accessory of CUBE	○																												
<table border="1"> <tr> <td>Date</td> <td>Name</td> <td>Project</td> <td>Scale</td> </tr> <tr> <td>DRW</td> <td>11.04.19</td> <td>Eckart Schirmer</td> <td>1:4</td> </tr> <tr> <td>Model</td> <td>28.11.19</td> <td>Kim Schnurrer</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>R</td> <td>Revision</td> <td>Date</td> <td>Name</td> </tr> </table>		Date	Name	Project	Scale	DRW	11.04.19	Eckart Schirmer	1:4	Model	28.11.19	Kim Schnurrer														R	Revision	Date	Name
Date	Name	Project	Scale																										
DRW	11.04.19	Eckart Schirmer	1:4																										
Model	28.11.19	Kim Schnurrer																											
R	Revision	Date	Name																										
cube ZPG GmbH & Co. KG																													
19-02003																													
Page 3/11																													

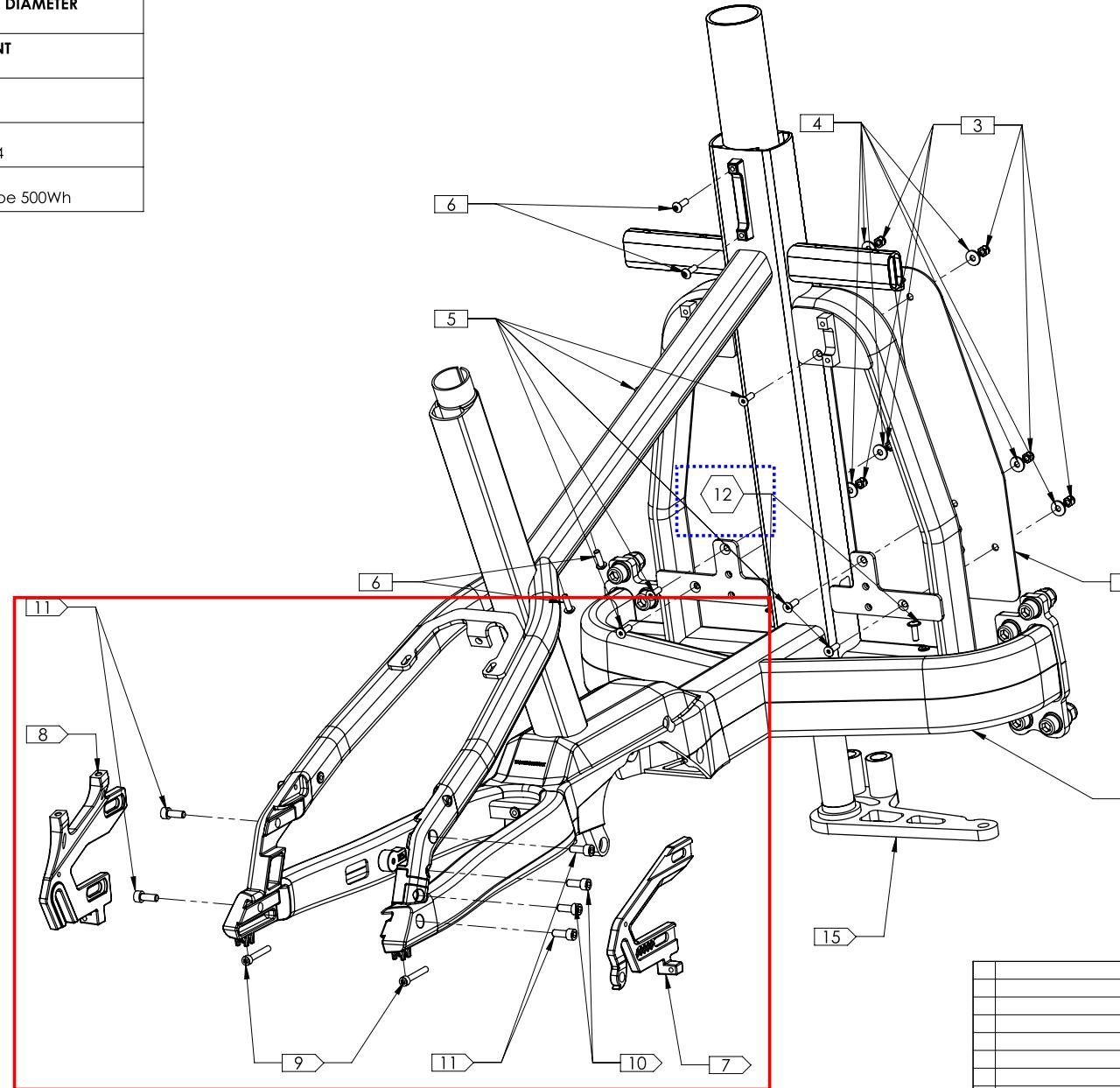
HEADSET DIMENSION	
Top:	1 1/8" semi integrated
Bottom:	1 1/8" semi integrated
STEERING TUBE BEARING	
Top:	1 1/8" semi integrated
Bottom:	1 1/8" semi integrated
SEAT POST DIAMETER	
30,9 MM	
SEAT CLAMP DIAMETER	
34,9 MM	
BRAKEMOUNT	
PM 203 MM	
DROPOUT	
QR 135 MM	
MOTOR	
Bosch Gen 4	
BATTERY	
Bosch Ontube 500Wh	

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20_HY-O4-C2

REAR

(Assembled by frame supplier)



POS-No.	QTY	FILE-No.	ITEM No.	DESCRIPTION	NOTES
1	1	19-02004		frame_20_HY-CARGO	
Assembled by frame supplier					
2	1	19-03614		BASEPLATE-BACK_20_HY-CARGO (L+R)	
3	6	ISO7040M5		NUT	
4	6	ISO10669-5.4x1.6		WASHER	
5	6	ISO10642M5x16		SCREW	
6	4	ISO 7380 M5x12		SCREW	
Attached to frame by frame supplier					
7	1	19-00068	3340	do-a-right_20_HY-CARGO	
8	1	19-00070	3339	do-a-left_20_HY-CARGO	
9	2	DIN 6912 M5x35 --35C		SCREW	
11	4	ISO 4762 M6x16 10.9		SCREW	
10	2	ISO4762M6x16		SCREW	10 Nm
Assembled in Germany					
15	1	19-05304	3347	steering_arm_20_HY-CARGO	
Packed as accessories at Cube					
12	2	ISO 7380-2 (with flange) M5x15		SCREW	

R	Revision	Date	Name	Project	Scale
		DRW	11.04.19	Eckart Schirmer	1:4
			Model	Kim Schnurrer	
				20_HY-CARGO	
				Specification	A3
				REAR_FRS	
				File	19-02003
					Page 4/11
				ZPG GmbH & Co. KG	

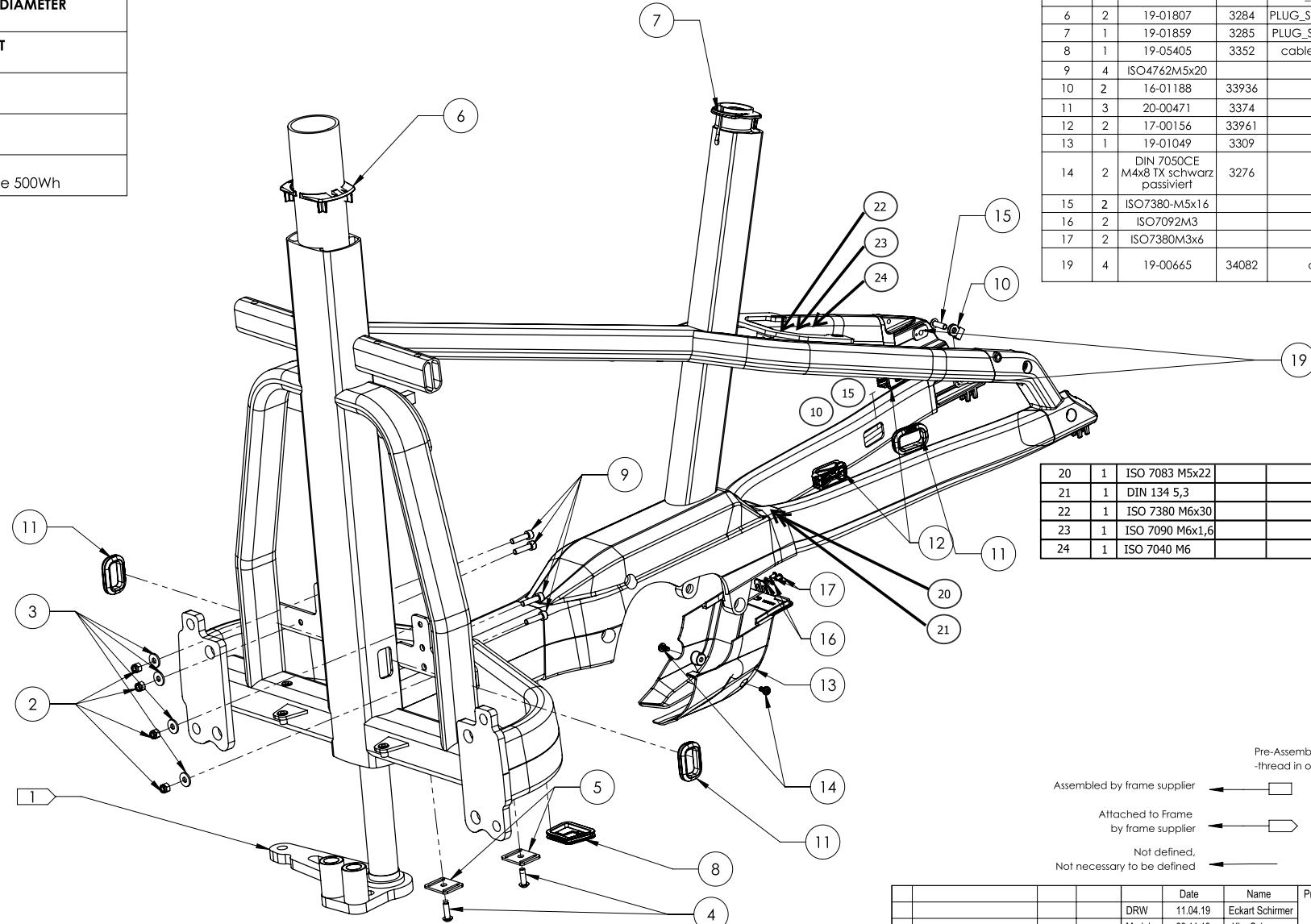
HEADSET DIMENSION
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
STEERING TUBE BEARING
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
SEAT POST DIAMETER
30,9 MM
SEAT CLAMP DIAMETER
34,9 MM
BRAKEMOUNT
PM 203 MM
DROPOUT
QR 135 MM
MOTOR
Bosch Gen 4
BATTERY
Bosch Ontube 500Wh

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20_HY-O4-C2

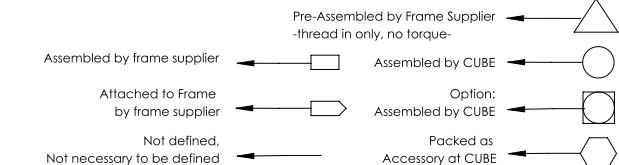
REAR

(Assembled in Germany)



POS-No.	QTY	FILE-No.	ITEM No.	DESCRIPTION	NOTES
Attached to frame by frame supplier					
1	1	19-05304	3347	steering_arm_-20_HY-CARGO	
Assembled in Germany					
2	4	ISO7040M5		NUT	
3	4	ISO10669-5.4x1.6		WASHER	
4	2	ISO7380M5x16		SCREW	
5	2	19-05704	3351	cable_clamp_middle_-20_HY-CARGO	
6	2	19-01807	3284	PLUG_STT-20_HY-O4-C2_20_HY-CARGO	
7	1	19-01859	3285	PLUG_ST-20_HY-O4-C2_20_HY-CARGO	
8	1	19-05405	3352	cablehole_plug-BB_20_HY-CARGO	
9	4	ISO4762MSx20		SCREW	
10	2	16-01188	33936	CR_cgu-scrd	
11	3	20-00471	3374	CR_sth/bth-30x17	
12	2	17-00156	33961	CR_sth/bth-30x17	
13	1	19-01049	3309	cover_20_HY-CARGO	
14	2	DIN 7050CF M4x8 TX schwarz passiviert	3276	SCREW	
15	2	ISO7380-M5x16		SCREW	
16	2	ISO7092M3		WASHER	
17	2	ISO7380M3x6		SCREW	
19	4	19-00665	34082	do-slider_-20_HY-CARGO	15 Nm

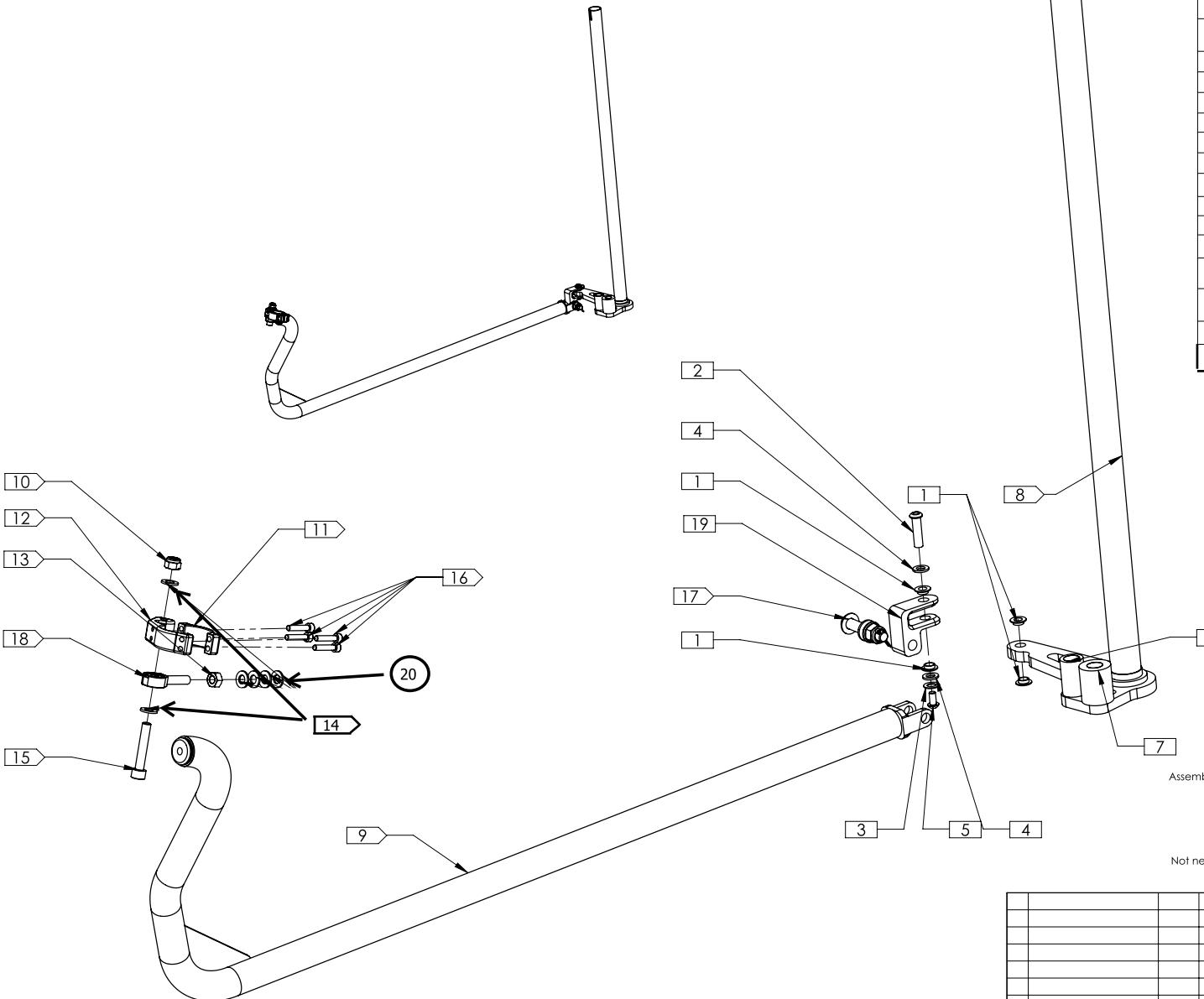
20	1	ISO 7083 M5x22		SCREW
21	1	DIN 134 5,3		WASHER
22	1	ISO 7380 M6x30		SCREW
23	1	ISO 7090 M6x1,6		WASHER
24	1	ISO 7040 M6		NUT



R	Revision	Date	Name	Project	Scale
		DRW	11.04.19	Eckart Schirmer	1:4
		Model	28.11.19	Kim Schnurrer	
					A3
				cUBE	Specification
					File
				ZPG GmbH & Co. KG	Page
					19-02003
					5/11

20_HY-O4-C2

STEERING COMPLETE

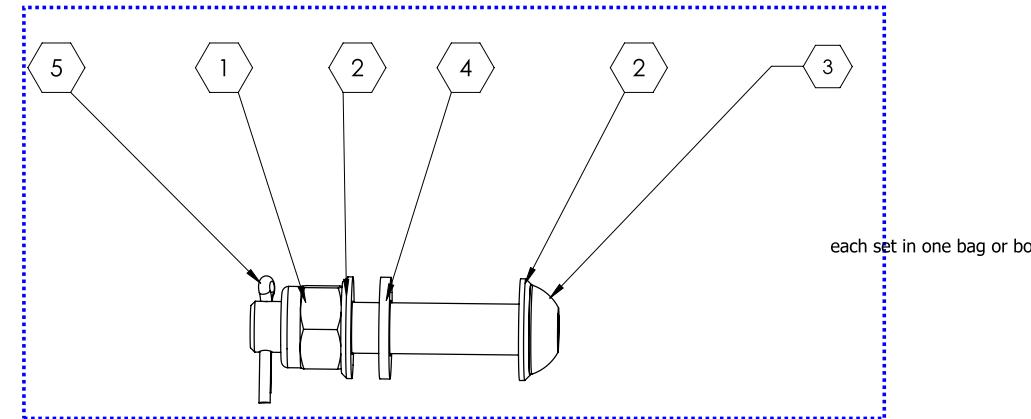


POS-No.	QTY	FILE-No.	ITEM No.	DESCRIPTION	NOTES
Assembled by frame supplier					
1	4	20-01329		bearing IGUS 10x8x4	
2	1	19-04765		SLEEVE_M6x30x7,9	
3	1	DIN137-B8-	Fedderscheibe	WASHER	
4	2	Washer ISO 7092 - 8		washer	
5	1	ISO7380 - M6x12		SCREW	12 Nm
6	1	20-02087	3499	Steering stopper-22mm_soft_20_HY-CARGO	
7	1	20-06132	3500	Steering stopper-30mm_hard_20_HY-CARGO	
Attached to frame by frame supplier					
8	1	19-02893		steering-shaft_20_HY-CARGO	
9	1	19-05306	3350	steering_rod_20_HY-CARGO	
10	1	ISO7040M8		NUT	
11	1	19-04837		fork clamp 1_20_HY-CARGO	
12	1	19-04836		fork clamp 2_20_HY-CARGO	
13	1	ISO 4032_M8		NUT	lock
14	2	ISO7090M8		WASHER_-	
15	1	ISO4762 M8x45		SCREW	
16	4	ISO4762M5x25		SCREW	7Nm
17	1	20-02369	3403	SET-SPLINT-SCREW_-20_HY-O4-C2	
18	1	20-06161		JOINT-HEAD_20_HY-O4-C2	
19	1	19-02889	3349	LINK-F-SHAPE_20_HY-CARGO	
20	4	ISO 7090 M8	35165	WASHER	

R	Revision	Date	Name	Project	Scale
		DRW	11.04.19	Eckart Schirmer	1:4
		Model	06.12.19	Eckart Schirmer	
Specification STEERING COMPLETE					
File 19-02003					
Page 6/14					

20-HY-O4-C2 SPLINT SCREW SET

POS-No.	QTY	FILE-No.	ITEM No.	DESCRIPTION	NOTES
1	1	ISO7040M10		NUT	
2	2	ISO7090-10		WASHER	
3	1	20-02233		SCREW_with SPLINT_ISO 7380M10x55	
4	1	ISO 7091 M10x2		WASHER	
5	1	20-02328		SPLINT-2,5x20_20_HY-CARGO	



label with: "Beipack"

label with: "Montage"

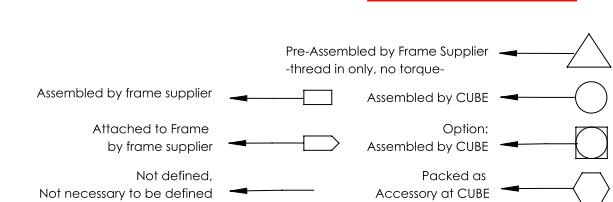
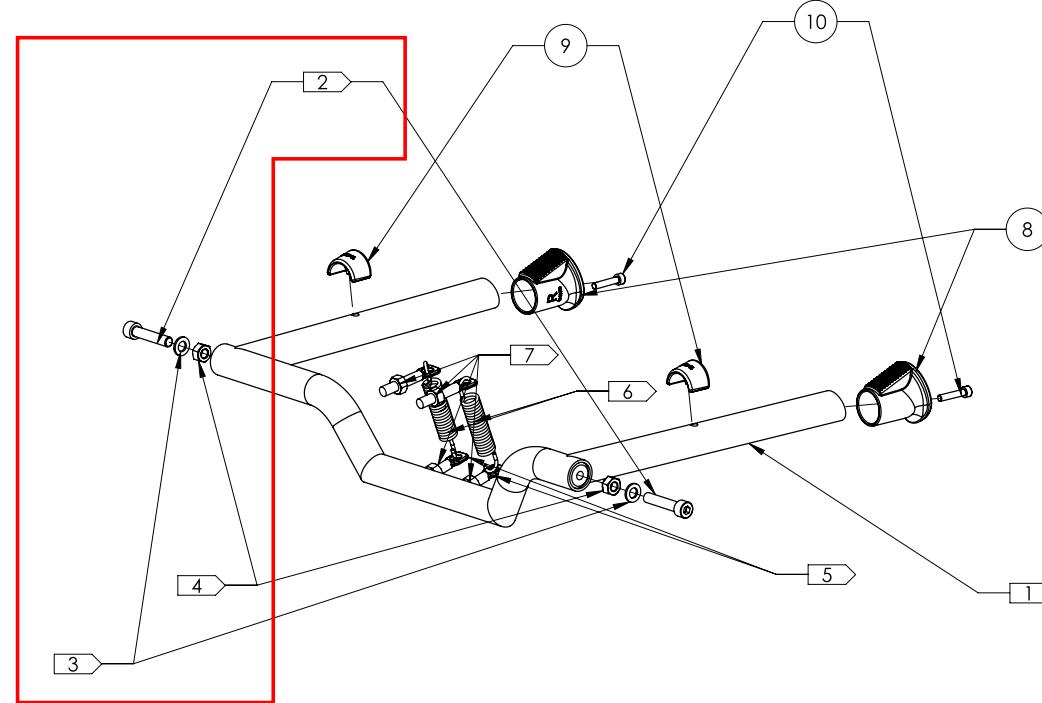
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		DRW	11.04.19	Eckart Schirmer	1:1
		Model	27.11.19		Size
					A3
				Specification	
				SPLINT-SCREW-	
				File	Page
				SET	7/11
				19-02003	
				ZPG GmbH & Co. KG	

HEADSET DIMENSION
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
STEERING TUBE BEARING
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
SEAT POST DIAMETER
30,9 MM
SEAT CLAMP DIAMETER
34,9 MM
BRAKEMOUNT
PM 203 MM
DROPOUT
QR 135 MM
MOTOR
Bosch Gen 4
BATTERY
Bosch Ontube 500Wh

20_HY-O4-C2 KICKSTAND

(Assembled in Germany)

POS-No.	QTY	FILE-NO.	ITEM NO.	DESCRIPTION	NOTES
Attached to frame by frame supplier					
1	1	19-05393		Kickstand-V2_20_HY-CARGO	
2	2	ISO4762M8x40			
3	2	ISO7092M8x1,6		WASHER	
4	2	ISO4032M8		NUT	
5	4	20-06137		HOLE SCREW 20_HY-CARGO	
6	2	20-06135		SPRING 20_HY-CARGO	
7	4	ISO 4032_M8		NUT	
Assembled in Germany					
8	1	19-05400	3344	standfeet-left/right_20_HY-CARGO	
9	2	19-05300	3346	kickstand-bumper_20_HY-CARGO	
10	2	ISO4762M5x25		SCREW	



R	Revision	Date	Name	Project	Scale
		DRW	Eckart Schirmer	20_HY-CARGO	1:4
		Model	06.12.19	Eckart Schirmer	
				Specification	A3
				File	ZPG GmbH & Co. KG
				19-02003	Page 8/11

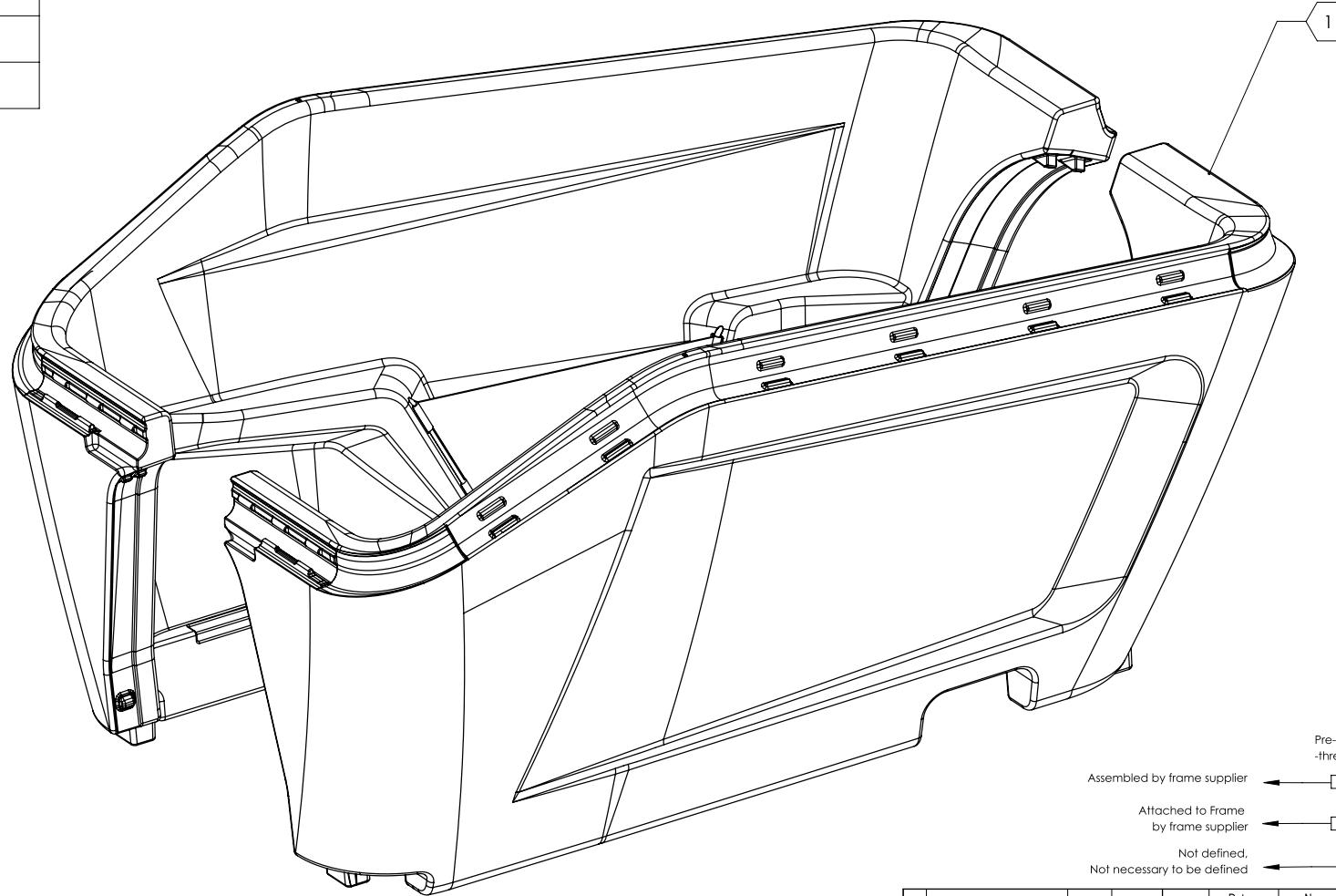
HEADSET DIMENSION
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
STEERING TUBE BEARING
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
SEAT POST DIAMETER
30,9 MM
SEAT CLAMP DIAMETER
34,9 MM
BRAKEMOUNT
PM 203 MM
DROPOUT
QR 135 MM
MOTOR
Bosch Gen 4
BATTERY
Bosch Ontube 500Wh

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20_HY-O4-C2

BOX

(Assembled by dealer)



Pre-Assembled by Frame Supplier -thread in only, no torque-		Assembled by CUBE		Option: Assembled by CUBE		Packed as Accessory at CUBE	
Assembled by frame supplier							
Attached to Frame by frame supplier							
Not defined, Not necessary to be defined							

		Date	Name	Project		Scale
		DRW	11.04.19	Eckart Schirmer		1:4
		Model	06.12.19	Eckart Schirmer		
Specification				BOX		Size
R	Revision	Date	Name	ZPG GmbH & Co. KG	19-02003	A3

HEADSET DIMENSION
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
STEERING TUBE BEARING
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
SEAT POST DIAMETER
30,9 MM
SEAT CLAMP DIA METER
34,9 MM
BRAKEMOUNT
PM 203 MM
DROPOUT
QR 135 MM
MOTOR
Bosch Gen 4
BATTERY
Bosch Ontube 500Wh

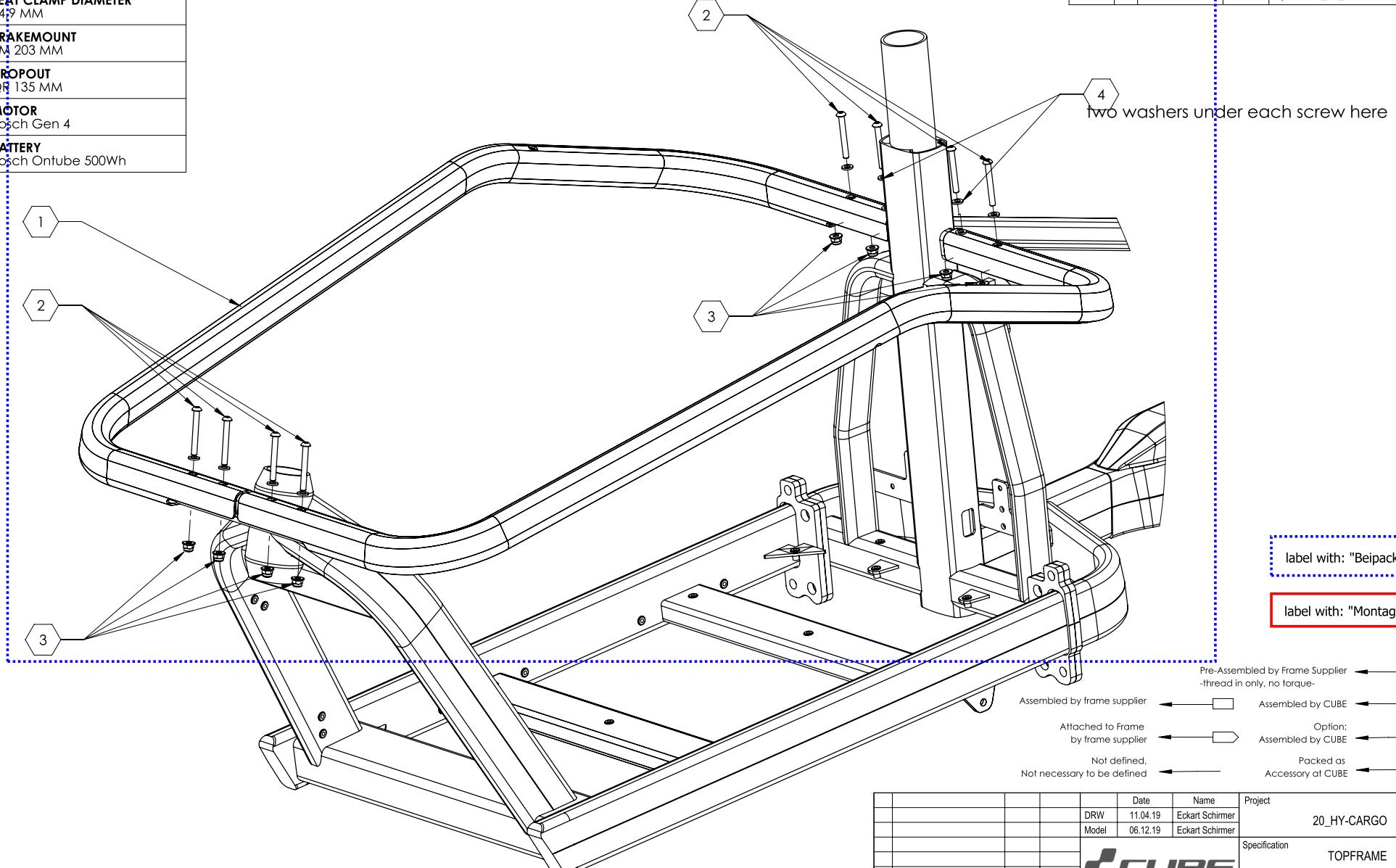
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20_HY-O4-C2

TOPFRAME

(Packed as accessories by frame supplier)

POS-No.	QTY	FILE-No.	ITEM No.	DESCRIPTION	NOTES
Packed as accessories at Cube					
1	1	19-02004		frame_20_HY-CARGO	
2	8	ISO7380M6x50		SCREW	6-8 Nm
3	8	ISO 7043-M6		NUT	with flange
4	10	ISO7090-6		WASHER	
5*		19-05288	3343	top-frame_20_HY-CARGO	



R	Revision	Date	Name	Date	Name	Project	Scale
		DRW	11.04.19	Eckart Schirmer		20_HY-CARGO	1:4
		Model	06.12.19	Eckart Schirmer			Size
						TOPFRAME	A3
						File	19-02003
						Page	10/11
						ZPG GmbH & Co. KG	

HEADSET DIMENSION
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
STEERING TUBE BEARING
Top: 1 1/8" semi integrated
Bottom: 1 1/8" semi integrated
SEAT POST DIAMETER
30,9 MM
SEAT CLAMP DIAMETER
34,9 MM
BRAKEMOUNT
PM 203 MM
DROPOUT
QR 135 MM
MOTOR
Bosch Gen 4
BATTERY
Bosch Ontube 500Wh

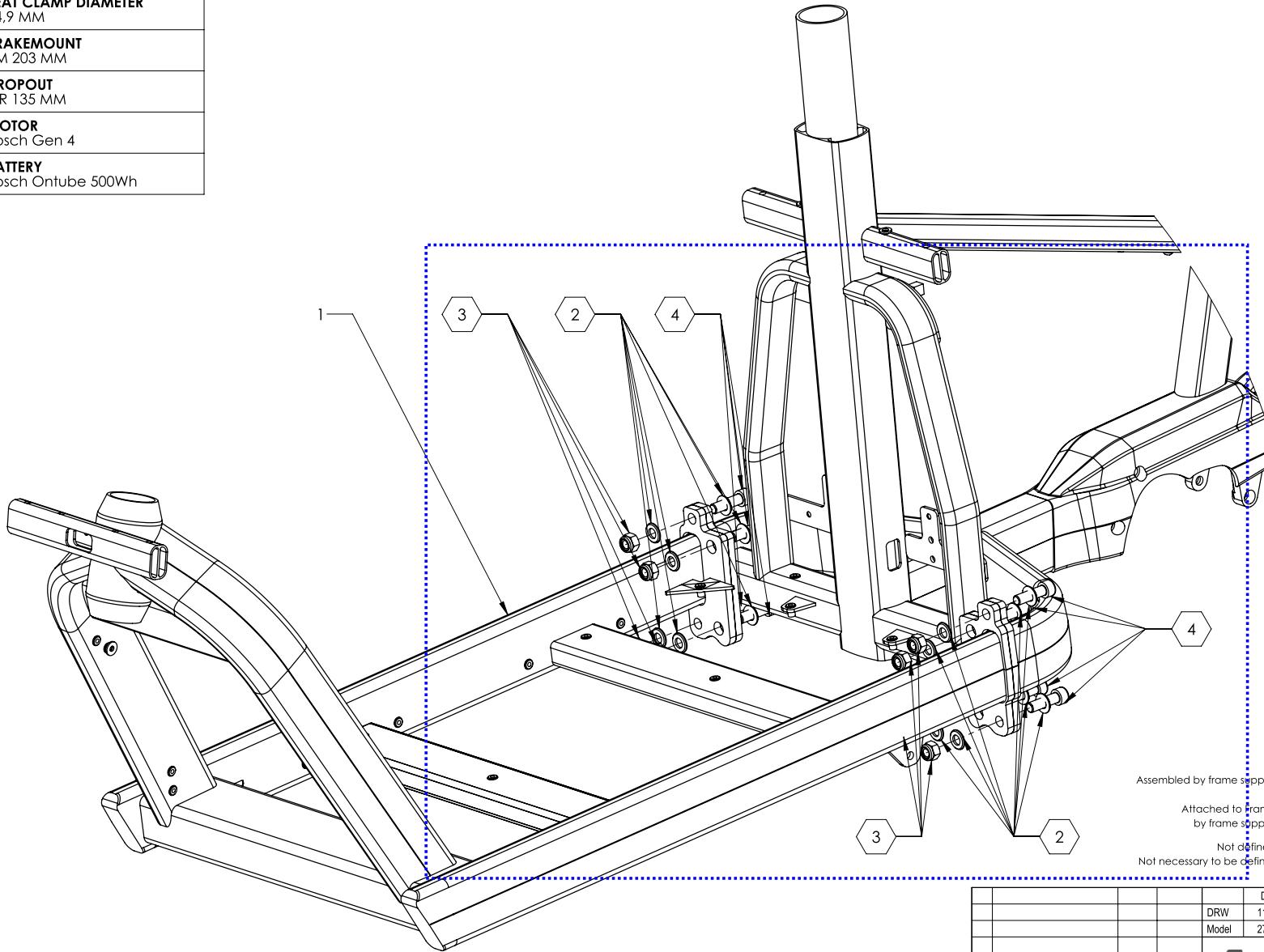
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20_HY-O4-C2

FRONT-REAR-ASSEMBLY

(Assembled by dealer)

POS-No.	QTY	FILE-No.	ITEM No.	DESCRIPTION	NOTES
1	1	19-02004		frame 20_HY-CARGO	Packed as accessories at Cube
2	16	ISO7090-10		WASHER	
3	8	ISO7040M10		NUT	
4	8	ISO4762M10x35		SCREW	55Nm



R	Revision	Date	Name
		DRW	11.04.19 Eckart Schirmer
		Model	27.11.19 Tim Barthel

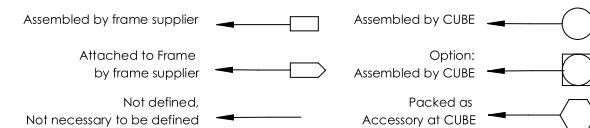
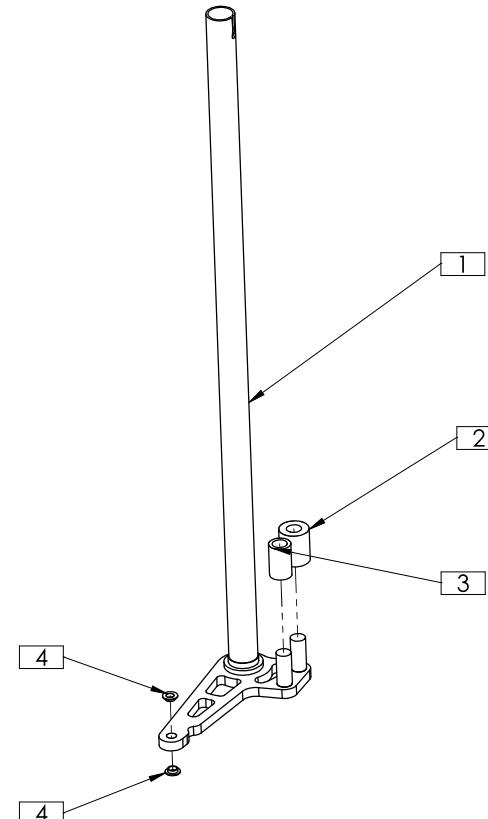
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19-02003

Project	20_HY-CARGO	Scale	1:4
Specification	FRONT-REAR-ASSEMBLY	Size	A3
File	19-02003	Page	11/11

Steering-arm_-20_HY-CARGO (19-05304) #3347

POS-No.	QTY	FILE-No.	ITEM No.	DESCRIPTION	NOTES
1	1	19-02893		steering-shaft_20_HY-CARGO	
2	1	20-06132	3500	Steering stopper-30mm_hard_20_HY-CARGO	
3	1	20-02087	3499	Steering stopper-22mm_soft_20_HY-CARGO	
4	2	20-01329		bearing IGUS 10x8x4	



2D / DRW - file
Last save 13.11.2020 | Version

Material				Project	Scale
R	Revision	Date	Name	20_HY-CARGO	1:10
		DRW	ESC		Size
		Model	28.11.19	Tim Barthel	A3
					Specification
					Standard
					File
				19-05304	Page
					12

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