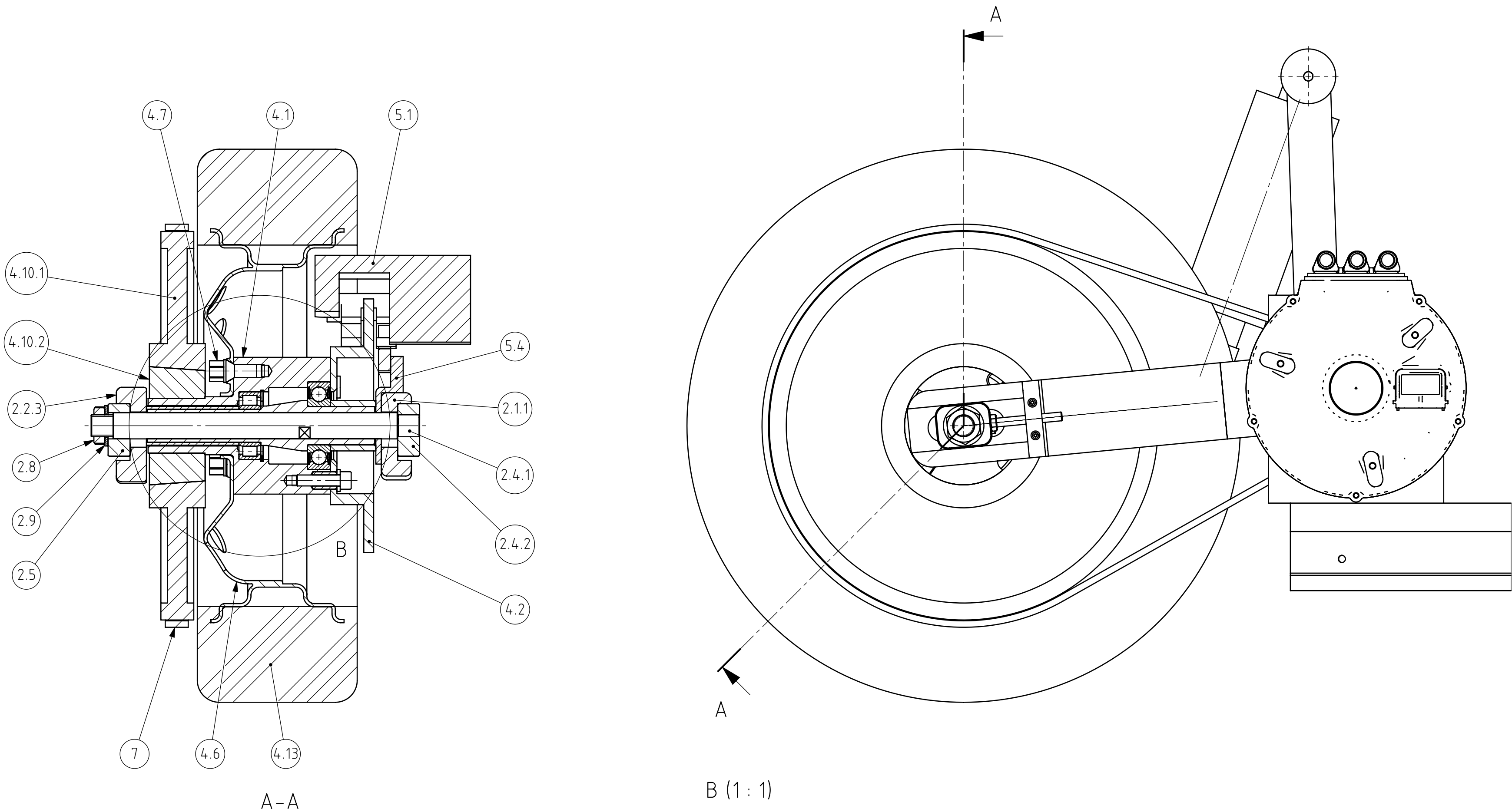




Pos.	Dénomination	Caractéristiques	Matériau	Fournisseur	PDF file	Q.té
1	Vehicle frame assembly		HEIG-VD	MA1-001-A_Asm_VehicleFrame.pdf		1
11	Vehicle frame		E235	HEIG-VD	MA2-001-D_VehicleFrame.pdf	1
12	Frame/Rear damper interface bushing - Bored	Ø50 x 92.5 mm	10718 (115MnPB30)	HEIG-VD		1
13	Frame/Rear damper interface bushing - Threaded	Ø50 x 92.5 mm		HEIG-VD		1
14	Frame motor bracket	250 x 160 x 42.5 mm	10715 (115Mn30)	HEIG-VD		1
15	Rear fork axle assembly	Interface between frame and rear fork		HEIG-VD		1
15.1	Rear fork axle	Stack Ø50mm	10718 (115MnPB30)	HEIG-VD		1
15.2	Rear fork axle support - base part Ø40	Base 76x70 mm - 105 mm height - Cylinder Ø40	10718 (115MnPB30)	HEIG-VD		1
15.3	Rear fork axle support - Upper part Ø40	76 x 30 x 24 mm - Cylinder Ø40	10718 (115MnPB30)	HEIG-VD		1
15.4	Rear fork axle support - base part Ø35	Base 76x70 mm - 105 mm height - Cylinder Ø35	10718 (115MnPB30)	HEIG-VD		1
15.5	Rear fork axle support - Upper part Ø35	76 x 30 x 24 mm - Cylinder Ø35	10718 (115MnPB30)	HEIG-VD		1
15.6	KMB lock nut	40 x 58 x 9 mm - M40x15 thread	10715 (115Mn30)	123 roulements		1
15.7	MB8 lock washer	40 x 62 mm	10037 (S235JRI)	123 roulements		1
15.8	Vis tête cylindrique six pans creux ISO 4762 - M8 x 25					4
15.9	Goupille élastique DIN EN 28752 - 10 x 50 - S1					1
16	Vis tête cylindrique six pans creux ISO 4762 - M8 x 20					6
17	Vis tête hexagonale creuse épaulée ISO 7379 - 11.984 x 40					1
18	Rondelle ISO 7089 - 8					12
19	Vis tête hexagonale DIN EN 24017 - M8 x 20					12
2	Rear Fork assembly	Nominal center distance 360 mm		HEIG-VD	MA1-002-B_Asm_RearFork.pdf	1
2.1	Fork left leg assembly			HEIG-VD	MA2-002-A_Asm_Fork_LeftLeg.pdf	1
2.1.1	Fork left leg		10718 (115MnPB30)	HEIG-VD	MM-038-B_Fork_MainLeg.pdf	1
2.1.2	Fork bearing hat	Ømax115,00	10715 (115Mn30)	HEIG-VD	MM-039-B_Fork_BearingHat.pdf	1
2.1.3	Fork shock axle	Ømax 30,00	10718 (115MnPB30)	HEIG-VD	MM-041-A_Fork_ShockAxle.pdf	1
2.1.4	Fork tension plate (left)	Max length 50,00 mm	10715 (115Mn30)	HEIG-VD	MM-040-A_Fork_TensionPlate.pdf	1
2.1.5	6308 2RS1 bearing	Ø90 x Ø40 x 23		123 roulements		1
2.1.6	Vis tête cylindrique six pans creux ISO 4762 - M6 x 16					4
2.1.7	Vis tête cylindrique six pans creux ISO 4762 - M3 x 25					2
2.1.8	Goupille élastique DIN EN 28752 - 5 x 20 - S1					2
2.1.9	Rondelle ISO 10673 - N - 3.5					2
2.2	Fork right leg assembly					
2.2.1	Fork right leg		10715 (115Mn30)	HEIG-VD	MA2-006-A_Asm_RearFork_RightLeg.pdf	1
2.2.2	Fork right leg - tubular section	Cross-section 70x20x2	10037 (S235JRI)	HEIG-VD	MM-045-A_Fork_RightLeg_Tubular.pdf	1
2.2.3	Fork right leg end		10715 (115Mn30)	HEIG-VD	MM-038-B_Fork_MainLeg.pdf	1
2.2.4	Fork tension plate (right)	Max length 70,00 mm	10718 (115MnPB30)	HEIG-VD	MM-040-A_Fork_TensionPlate.pdf	1
2.2.5	6307 2RS1 bearing	Ø80 x Ø35 x21		123 roulements		1
2.2.6	Anneau d'arrêt DIN 472 - 80 x 2.5					1
2.2.7	Goupille élastique DIN EN 28752 - 5 x 20 - S1					2
2.2.8	Rondelle ISO 10673 - N - 3.5					2
2.2.9	Vis tête cylindrique six pans creux ISO 4762 - M3 x 25					2
2.3	Fork link	135,00 mm length	10037 (S235JRI)	HEIG-VD	MM-043-A_Fork_Link.pdf	1
2.4	Rear wheel axle assembly	With left axle end		HEIG-VD	MA2-007-A_Asm_RearWheelAxle.pdf	1
2.4.1	Rear Wheel Axle	Ø24 g6	10718 (115MnPB30)	HEIG-VD	MM-006-A_RearWheel_Axle.pdf	1
2.4.2	Rear wheel axle end (Left)	Threaded M20 - 40 x 50 mm	10718 (115MnPB30)	HEIG-VD	MM-044-A_RearWheelAxle_End.pdf	1
2.5	Rear wheel axle end (Right)	Bored Ø24 H7 - 50 x 40 mm	Matériau «non spécifié»	HEIG-VD	MM-044-A_RearWheelAxle_End.pdf	1
2.6	Goupille élastique DIN EN 28752 - 8 x 12 - S1					4
2.7	Vis tête hexagonale DIN EN 24014 - M8 x 60					2
2.8	Eccrou hexagonal bas ISO 4035 - M20					1
2.9	Rondelle ISO 7089 - 20					1
3	Rear suspension damper	2 Min taper - 330 mm center distance - 52 N/mm stiffness	Matériau «non spécifié»	Shock Factory		1
4	Rear wheel assembly	Hub - Rim - Tyre - Pulley - Disc		HEIG-VD		1
4.1	Rear wheel spindle	Ø125 x 166.5	10718 (115MnPB30)	HEIG-VD	MM-048-A_RearWheel_Spindle.pdf	1
4.2	232x9 mm brake disc	HUEX 820914-B - M25 x 9 - Total width 39.5 - 4 mounting holes Ø100 PCD	Fonle grise	Autodoc		1
4.3	Rondelle DIN 6902 - C 11					4
4.4	Goupille élastique DIN EN 28752 - 16 x 22 - S1					4
4.5	Vis tête cylindrique six pans creux ISO 4762 - M10 x 40					4
4.6	Alcar 13" rim	4x13" - ET 40 - 4 mounting holes Ø100 PCD	10037 (S235JRI)	Reifen.com		1
4.7	Conical seal wheel bolt - 25 mm	M12x15 - 25 mm length	10037 (S235JRI)	EDV Factory		4
4.8	6307 2RS1 bearing	Ø80 x Ø35 x21		123 roulements		1
4.9	NU 2206 ECP bearing	Ø30 x Ø62 x 20	Matériau «non spécifié»	123 roulements		1
4.10	Wheel pulley assembly	Pulley and taper bush 140T		Laesser AG		1
4.11	Gates ØMG12 140T pulley	141T - 21 mm width - Mounting hole 16F TL 3020	0.7070 (EN-GJS-700-2)	Laesser AG		1
4.12	Taper Bush TL 3020	Mounting hole Ø50 - keyway 14mm	0.7070 (EN-GJS-700-2)	Laesser AG		1
4.13	Rear wheel shaft	Length 207.5 mm - max diameter 46 mm	10718 (115MnPB30)	HEIG-VD	MM-046-A_RearWheel_Shaft.pdf	1
4.14	Rear wheel spacer drive side	Ø30 x Ø35.5 x Ø4.5	10718 (115MnPB30)	HEIG-VD	MM-049-A_RearWheel_SpacerDS.pdf	1
4.15	Maxxis 13" tyre	Mecotra 3 145/60 R13 66T	Caoutchouc	Reifen.com		1
4.16	Rear wheel spacer non drive side	Ø35 x Ø46 x 4.5	10718 (115MnPB30)	HEIG-VD	MM-047-A_RearWheel_SpacerNS.pdf	1
4.17	Clavette parallèle A14 x 9 x 45 DIN 6885					1
4.18	Anneau d'arrêt DIN 472 - 62 x 2					1
5	Rear brake assembly	Brake caliper and caliper bracket - Brake pads - Brake slider		HEIG-VD		1
5.1	Rear brake caliper	Hydraulic and mechanical - HUEX 780000 - for VW Polo III	0.7070 (EN-GJS-700-2)	Autodoc		1
5.2	Rear Brake Pad	RIDEX 40281389 - for VW Polo III	Matériau «non spécifié»	Autodoc		2
5.3	Rear brake caliper bracket	FEBI BILSTEIN 1002182 - for VW Polo III	Fonle ductile	Autodoc		1
5.4	Rear brake slider	Ø8.5 x 25 x 157 mm	10718 (115MnPB30)	HEIG-VD		1
5.5	Vis tête hexagonale DIN EN 24018 - M10 x 25					2
6	Micro Ø44 motor assembly	With motor pulley		EV Europe		1
6.1	Micro Ø44 electrical motor	AXIE Ø39B - keyway ISO R7/3 N9 - 4 x M8 mounting holes Ø152 PCD	Matériau «non spécifié»	EV Europe		1
6.2	Motor pulley assembly	Pulley and taper bush - 25T		Laesser AG		1
6.2.1	Gates ØMG12 25T pulley	25T - 21 mm width - Mounting hole for TL 1108	0.7070 (EN-GJS-700-2)	Laesser AG		1
6.2.2	Taper Bush TL 1108	Mounting hole Ø19 - keyway 6mm	0.7070 (EN-GJS-700-2)	Laesser AG		1
6.3	Clavette parallèle A6 x 6 x 28 DIN 6885					1
6.4	Vis tête cylindrique six pans creux DIN 912 - M5 x 16					1
6.5	Rondelle ISO 7094 - 5					1
6.6	Power cable crimp	For 70mm2 cables, M8 stud size	Matériau «non spécifié»	HEPIA		3
7	Gates Drive Belt	polychain ØMG12 Carbon V01F - 1440 mm length - 21 mm width	NBR	Laesser AG		1
8	Rondelle ISO 7089 - 10					1
9	Eccrou hexagonal ISO 4032 - M10					1

Informations générales ISO 2794- Plans modifiés CD 8842, C1 Supplément de données ISO 2013 Tous droits réservés Projet de dessin				Parties 01 ET 0026		Approuvé par Chef de projet		Revisé par A	
Dessiné Dimitri Sakon		Signé 01.07.2026		Date		Dénomination		Rear wheel assembly	
Contrôlé									
Copie normée									
Bon pour stock									
						Matériau		Nom du fichier (Dessin) MA1-002_RearWheelAssembly	
						Huey 1303830		Echelle 1:3000	
								Feuille 1 de 2	
								A1	

