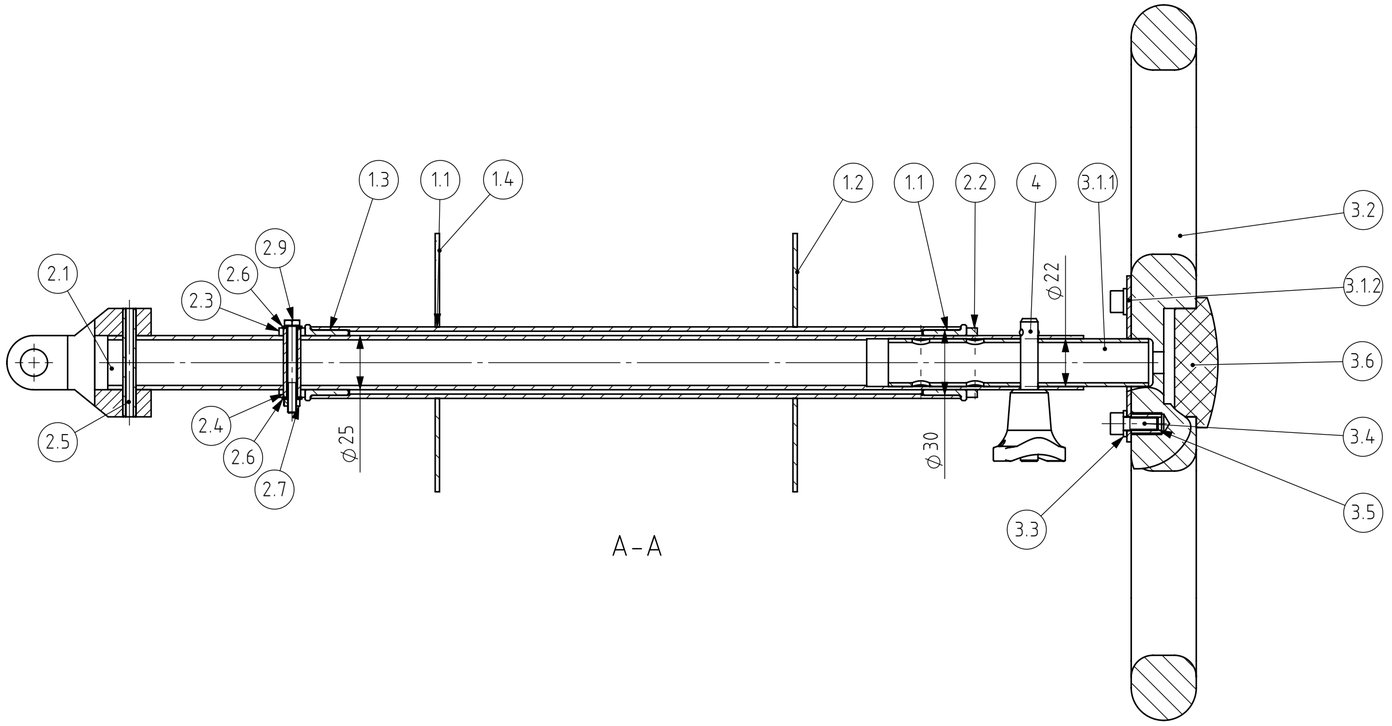
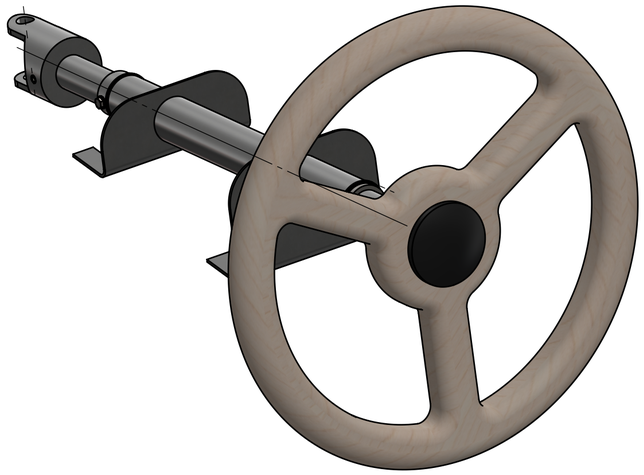
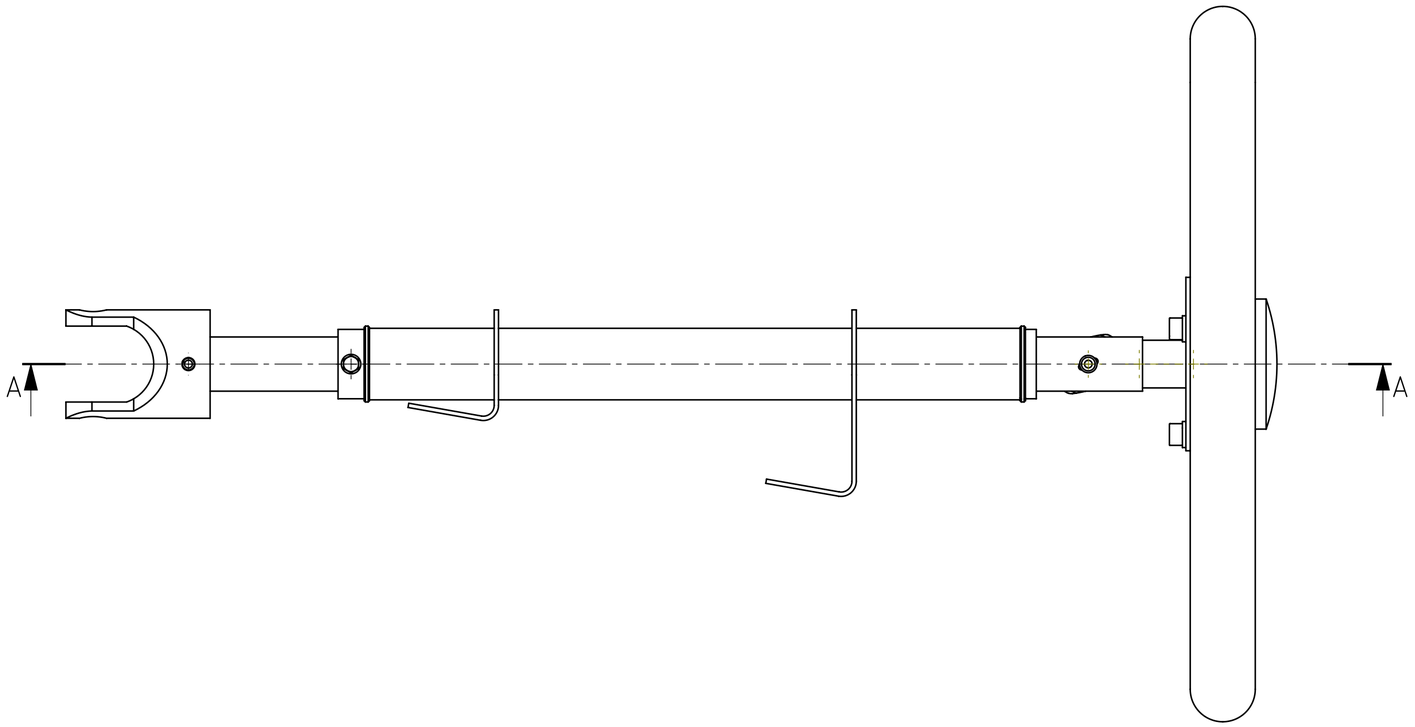


A-A





Pos.	Dénomination	Caractéristiques	Matériau	Fournisseur	PDF file	Q.té
1	Steering hub assembly	For a Ø25 steering axle		HEIG-VD	MA2-010-C__Asm__SteeringHub.pdf	1
1.1	Steering hub tube	Tube Ø33,00 x 2,00	E235	HEIG-VD	MM-057-B__SteeringHub.pdf	1
1.2	Steering hub leg (Long)	60,00 mm heigth	1.0037 (S235JR)	HEIG-VD	MM-056-C__SteeringHub__Leg__Long.pdf	1
1.3	Flange mounted plain bearing	Inside Ø25 - Outside Ø30 - Length 20	2.1016 (CuSn4)	Maedler		2
1.4	Steering hub leg (Short)	25,00 mm heigth	1.0037 (S235JR)	HEIG-VD	MM-056.1-C__SteeringHub__Leg__Short.pdf	1
2	Steering axle 1st segment assembly			HEIG-VD	MA2-011-B__Asm__SteeringAxle.pdf	1
2.1	Steering axle 1st segment	Tube Ø25 x 2	1.4000 (X6Cr13)	HEIG-VD	MM-058-B__SteeringAxle.pdf	1
2.2	Steering axle retaining ring (to weld)	Welded one Ø32 x Ø25	1.0401 (C15)	HEIG-VD	MM-059.1-B__SteeringAxle__Stop__Thin.pdf	1
2.3	Steering axle retaining ring (to assemble)	Assembled one Ø32,00 x Ø25,00	1.0715 (11SMn30)	HEIG-VD	MM-059-B__SteeringAxle__Stop__Large.pdf	1
2.4	Goupille élastique DIN EN 28752 - 8 x 32 - St					1
2.5	Goupille élastique DIN EN 28752 - 6 x 50 - St					1
2.6	Rondelle ISO 7089 - 4					2
2.7	Écrou hexagonal ISO 4032 - M4					1
2.8	Gimball Ø25 Leg	Ø25	1.0503 (C45)	Norelem	MM-093-A__GimballØ25__Leg.pdf	1
2.9	Vis tête hexagonale DIN EN 24014 - M4 x 40					1
3	Steering Wheel assembly			HEIG-VD	MA2-003-D__Asm__SteeringWheel.pdf	1
3.1	Steering Axle End Assembly			HEIG-VD	MA3-003-A__Asm__SteeringWheel__AxleEnd.pdf	1
3.1.1	Steering axle end	Connection between steering axle and wheel	1.0037 (S235JR)	HEIG-VD	MM-060-B__SteeringAxleEnd.pdf	1
3.1.2	Steering Wheel Plate	2mm thickness	1.0037 (S235JR)	HEIG-VD	MM-092-B__SteeringWheelPlate.pdf	1
3.2	Steering Wheel as build	Ø330mm	PlyWood Birch	Easybois	MM-091-A__SteeringWheel__Easybois.pdf	1
3.3	Rondelle ISO 7089 - 6					3
3.4	Vis tête cylindrique six pans creux ISO 4762 - M6 x 16					3
3.5	Wood threaded socket	Ensat SH309 M6 - pre-drilling for softwood Ø7.6 x 17	2.0261 (CuZn28)	BOSSARD		3
3.6	Horn Button	Installation diameter Ø50mm	ABS	Mecatechnic.com		1
4	Locking pin with handle	Ø8 mm - length 25 mm	Matériau <non spécifié>	Norelem		1

Tolérances générales ISO 2768-
Pièces moulées ISO 8062-CT
Symboles de soudure ISO 2553
Procédé de soudage
Tol. gén de soudure ISO 13920-
Pression d'essai

Finition:

Rayons non cotés R
Chanfreiné

Revision: C

HEIG VD — COMATEC Institut de Conception mécanique et Technologies des matériaux

	Nom	Signature	Date
Dessiné	Deriaz Samson		30.09.2026
Contrôlé			
Conf. normes			
Bon pour exés			

Matériau :

Masse: 2.82 kg

Dénomination:

Steering main shaft

Nom du fichier (Dessin)
MA1-006__Asm__SteeringShaft

A2

Echelle:1:2 NON

Feuille 1 de 1