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| **Part list Shoulder (Loomo fastner TBD)** | | | |
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 2 | Akslingsupport | 3D-printed with reinforced kevlar |
| 2 | 1 | BracketBottomRight | 3D-printed |
| 3 | 1 | BracketBottomLeft | 3D-printed |
| 4 | 1 | MonteringsplateRigthFinal | Machined aluminum |
| 5 | 1 | MonteringsplateLeftFinal | Machined aluminum |
| 6 | 1 | SkulderAkslingsbrakettBottomRight | Machined aluminum |
| 7 | 1 | SkulderAkslingsbrakettLidRight | Machined aluminum |
| 8 | 1 | SkulderAkslingsbrakettBottomLeft | Machined aluminum |
| 9 | 1 | SkulderAkslingsbrakettLidLeft | Machined aluminum |
| 10 | 1 | PulleyStrammerBottomRight | Machined aluminum |
| 11 | 1 | PulleyStrammerLidRight | Machined aluminum |
| 12 | 1 | PulleyStrammerBottomLeft | Machined aluminum |
| 13 | 1 | PulleyStrammerLidLeft | Machined aluminum |
| 14 | 2 | pulley\_40\_5m\_\_09\_10 | 3D-printed in Kevlar, with six M6 hex nuts inside |
| 15 | 2 | pulley\_20\_5m\_\_09\_8 | 3D-printed in Kevlar |
| 16 | 2 | idler\_09\_4 | 3D-printed in Kevlar |
| 17 | 14 | M4 x xxxx | Socket head for the lid for monteringsplatefinal |
| 18 | 14 | M4 x 50 | Socket head for fasten bracketbottom to loomo |
| 19 | 2 | M4 x 30 | Socket head 16 mm unthreaded length for the idler |
| 20 | 6 | M3 x 10 | Socked head for the lids |
| 21 | 8 | M3 x 15 | Phillips countersunk for axlesupport |
| 22 | 2 | M4 x 10 x 2 square nut | Square nut |
| 23 | 2 | M10 Bolt Aksling | Machined from threaded rod |
| 24 | 2 | M4 x 25 | Tension screw for motor pulley |
| 25 | 2 | M4 x xxxx | Threaded rod for tightening mechanism |
| 26 | 2 | Washer OD = 24.5mm and ID = 10.5mm |  |
| 27 | 6 | Washer OD = 18.8mm and ID = 8.5mm |  |
| 28 | 4 | M8 hex nuts |  |
| 29 | 30 | Washer OD = 8.8mm and ID = 4.5mm | For M4 bolts |
| 30 | 24 | Washer OD = 6.8mm and ID = 3.5mm | For M3 bolts |
| 31 | 6 | 608-2RS | Deep groove ball bearing for axlesupport and large pulley |
| 32 | 2 | 146-9289 | Needle metrice roller bearing |
| 33 | 2 | 475 5M 9 | HTD timing belt |
| 34 | 2 | NFP-GA32Y-31ZY-EN | Threaded M4 size through motor axel |

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| **Part list Shoulderlink** | | | |
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 2 | HoveddelOverarmSkulderside | 3D-printet in PLA |
| 2 | 2 | LokkOverarmSkulderside | 3D-printet in PLA with 2xM4 nuts inside |
| 3 | 2 | AxialRotationUpperArmLid | 3D-printet in PLA |
| 4 | 2 | ThrustBearingLidOverarmSkulderside | 3D-printet in Kevlar |
| 5 | 2 | TorsjonOverarmMotorBrakettFesteside | Machined aluminum |
| 6 | 2 | TorsjonOverarmMotorBrakettMotorside | Machined aluminum |
| 7 | 8 | M6 x 60 | Bolt to fasten shoulder to large pulley |
| 8 | 4 | M4 x 40 | Socket head for the shoulder lid |
| 9 | 8 | M3 x 9 | Socket head for fasten the motor |
| 10 | 8 | M3 x 35 | Socket head |
| 11 | 2 | M4 x 20 | Tension screw for torsion motor axle |
| 12 | 8 | Washer OD = 16mm and ID = 6.5mm | For M6 bolts |
| 13 | 2 | 6804-2RS | Deep groove ball bearing |
| 14 | 4 | NTB2035AS | Thrust roller bearing |
| 15 | 2 | NFP-GA32Y-31ZY-EN | Threaded M4 size trough motor axel |

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| **Part list Elbow** | | | |
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 2 | AkslingTorsjonOverarm | Machined steel rod |
| 2 | 2 | AlbueMotorBrakett | 3D-printet in kevlar |
| 3 | 2 | TorsionElbowSide | 3D-printet in kevlar |
| 4 | 2 | GrønnePrinsen | 3D-printet in kevlar |
| 5 | 2 | GrønnePrinsSideUtenSkruer | 3D-printet in kevlar |
| 6 | 2 | GrønnePrinsessen | Machined aluminum |
| 7 | 2 | DekselKabelgateOrmegirIndre | 3D-printet in PLA |
| 8 | 2 | DekselKabelgateOrmegirYtre | 3D-printet in PLA with M3 hex nuts |
| 9 | 2 | UnderarmBottom | 3D-printet in PLA |
| 10 | 2 | UnderarmLokk | 3D-printet in PLA |
| 11 | 8 | M4 x 63 | Threaded rod for tighten |
| 12 | 4 | M4 x 7 | Socket head for the «GrønnePrinsessen» |
| 13 | 2 | M4 x 70 | Threaded rod |
| 14 | 4 | M4 x 40 | Socket head through the AkslingTorsjonOverarm |
| 15 | 2 | M4 x 25 | Tension screw for worm gear axle |
| 16 | 4 | M3 x 7 | Socket head to fasten MPU |
| 17 | 8 | M3 x 8 | Socket head to fasten AS5600 |
| 18 | 2 | M4 x 25 | Socket head for worm gear |
| 19 | 6 | M4 x 5 | Socket head for worm gear |
| 20 | 14 | M4 Hex Nut |  |
| 21 | 14 | Washer | OD = 8.8mm and ID = 4.5mm |
| 22 | 2 | NFP-5840-31ZYS-D | Threaded M4 size through motor axel |