Niryo One

**3D Printing Parts**

| **Sl. No.** | **Part** | **Part Name and Quantity** |
| --- | --- | --- |
| **BASE** | | |
| 1. |  | Base  x 1 |
| 2. |  | Base Bearing Support  x 1 |
| 3. |  | Belt Tensioner  x 1 |
| **SHOULDER** | | |
| 4. |  | Shoulder  x 1 |
| 5. |  | Shoulder Gearing  x 1 |
| 6. |  | Belt Tensioner  x 1 |
| 7. |  | Round Tube  x 2 |
| 8. |  | Arm Bottom  x 1 |
| 9. |  | End Cap - Shoulder  x 2 |
| **ELBOW** | | |
| 10. |  | Arm Top  x 1 |
| 11. |  | Round Tube  x 2 |
| 12. |  | Belt Tensioner  x 1 |
| 13. |  | Elbow  x 1 |
| 14. |  | Forearm Bottom  x 1 |
| **WRIST** | | |
| 15. |  | Forearm top  x 1 |
| 16. |  | Wrist  x 1 |
| 17. |  | Hand  x 1 |
| **DRAWER AND AIR VENT - BASE** | | |
| 18. |  | Drawer  x 1 |
| 19. |  | Air Routing  x 3 |

Niryo One

**Electrical Parts**

| **Sl. No.** | **Part** | **Part Name and Specification** |
| --- | --- | --- |
| 1. |  | NEMA 17 Stepper x 3 |
| 2. |  | ​​Fan x 1 |
| 3. |  | Button x: 1 |
| 4. |  | XL430 x 2 |
| 5. |  | XL -320 x 1 |
| 6. |  | Ribbon Cable x 1 |
| 7. |  | Raspberry Pi 3+ SD Card x 1 |
| 8. |  | NiryoPannel x 1 |
| 9. |  | Niryo Shield x 1 |
| 10. |  | DC Collector + Cable x 1 |
| 11. |  | Switch x 1 |

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**Mechanical Parts**

| **Sl. No.** | **Part** | **Part Name and Specification** |
| --- | --- | --- |
| **BEARINGS** | | |
| 1. |  | Bearing 8x22x7 mm x 5 |
| 2. |  | Bearing 3x10x4 mm x 7 |
| 3. |  | Bearing 5x14x5 mm  x 1 |
| 4. |  | Bearing 6x19x6 mm  x 1 |
| 5. |  | Thrust Bearing 8x19x7 mm  x 2 |
| 6. |  | Thrust Bearing 20x40x14 mm  x 1 |
| 7. |  | Half Bearing 90x120 mm x 1 |
| SCREWS | | |
| 8. |  | Screw M3 x 10 mm x 36 |
| 9. |  | Screw M3 x 16 mm x 18 |
| 11. |  | Screw M4 x 40 mm x 3 |
| 12. |  | Screw M8 x 55mm x 1 |
| 13. |  | Screw M8 x 90 mm x 2 |
| 14. |  | Screw M8 x 40 mm x 1 |
| 15. |  | Screw M2 x 5mm x 8 |
| 16. |  | Screw M3 x 5 mm x 4 |
| 17. |  | Screw M5 x 40mm x 1 |
| 18. |  | Screw M6 x 50mm x 1 |
| NUTS and WASHERS | | |
| 19. |  | M4 Brake Nut x 3 |
| 20. |  | M8 Brake Nut x 2 |
| 21. |  | M5 Brake Nut x 2 |
| 22. |  | M6 Brake Nut x 2 |
| 23. |  | M8 Washer x 1 |
| 24. |  | M5 Washer x 1 |
| TUBES | | |
| 25. |  | Aluminium Tube x 2 |
| SHAFT COUPLING | | |
| 26. |  | Coupling Shaft - Motor NEMA 17 X 3 |