# **DRIVING** ROBOT

Spare Parts Catalog – 202103





For support on existing Humanetics products and for advice on the spare parts to order, please contact our support team:

Support Hotline: +43 660 92 84 571

Support Email: activesafety.support@humanetics.eu

For information on new Humanetics products, please visit our website at <a href="https://humaneticsatd.com">humaneticsatd.com</a> or email us at <a href="mailto:sales.activesafety@humaneticsatd.com">sales.activesafety@humaneticsatd.com</a>.

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording, mechanical or otherwise, without the express written consent of Humanetics Innovative Solutions.

Copyright © 2021 Humanetics. All rights reserved.

The information in this catalog is furnished for informational use only and is subject to change without notice. Humanetics Innovative Solutions assumes no responsibility or liability for any errors or inaccuracies that may appear in this catalog.



Page 2 Rev. 202103

#### 1. Pinion 35 UFO-5-4000-0004

Includes: 1x pinion



#### 2. Steering Segment Assembly UFO-5-4000-0003

Includes:

1x steering ring
\*ships preassembled



### 3. Steering Wheel Mount UFO-5-4000-0020

Includes:

1x steering wheel clamp
\*ships preassembled



#### 4. Steering Motor Assembly UFO-5-4000-0040

Includes:

1x steering motor 1x pinion

\*ships preassembled



#### 5. Brake Motor Assembly UFO-5-3000-0031

Includes:

1x brake motor sheet metal protection \*ships preassembled



# 6. Brake Pedal Assembly UFO-5-3000-0033

Includes:

1x brake arm assembly different screw lenghts for brake pedal \*ships preassembled



Rev. 202103

Page 3

### 7. Brake Sensor Assembly UFO-5-3000-0029

Includes:

1x brake sensor

1x brake rod

1x eye joint

\*ships preassembled



#### 8. Linear Motor Unit UFO-5-2000-0001

Includes:

1x acceleration motor \*ships preassembled



#### 9. Steering Sensor Assembly UFO-5-4000-0038

Includes:

1x steering sensor housing & screws \*ships preassembled



#### 10. Seat Rail Mounting Right UFO-5-1000-0006

Includes:

1x seat rail mounting right sheet metal rails in 3 different lengths \*ships preassembled



#### 11. Seat Rail Mounting Left UFO-5-1000-0010

Includes:

1x seat rail mounting left sheet metal rails in 3 different lengths \*ships preassembled



### 12. Driving Robot Fastener KIT UFO-5-5000

Includes:

replacement fasteners for break pedal, gas pedal, steering wheel fixing components to base plate and to each other



### 13. Antenna for Bullet V6005538

Includes:

1x antenna



### 14. Rocket Antenna KIT UFO-1-8420

Includes:

1x rocket antenna

4x thread inserts (mounted)

4x handle



#### 15. Tripod for Rocket 6100094

Includes:

1x tripod



#### 16. Driving Robot Controller SET UFO-1-4320

Includes:

1x controller with cable ram mounts

\*ships preassembled



### 17. Driving Robot Enable Switch SET UFO-1-4330

Includes:

1x enable switch with cable ram mounts

\*ships preassembled



#### 18. GPS ANTENNA FOR VUT & DRIVING ROBOT 6005537

Includes:

1x GPS antenna SMA female



Page 5 Rev. 202103

#### 19. Cable replacements

DRIVING ROBOT STEERING CABLE  DRIVING ROBOT BRAKE CABLE (replacement only by Humanetics specialist)  DRIVING ROBOT BATTERY - CHARGER COMMUNICATION CABLE  RS232 CABLE (for VB datatransfer)  RS232 X-NAV CABLE  CAN cable (for VB datatransfer)  DRIVING ROBOT BATTERY - CHARGER COMMUNICATION CABLE  CAN cable (for VB datatransfer)  DFO-1-4100  ADMA GPS CABLE  ENERGY SUPPLY CABLE (for Vehicle Box)  SMART CHARGER CHARGING CABLE  ENERGY SUPPLY CABLE (for Vehicle Box)  DRIVING ROBOT CABLE  DFO-1-4010  MOXA CABLE  DFO-1-4040  EMERGENCY STOP CABLE (old version)  MOXA CABLE  DRIVING ROBOT POWER CABLE  DRIVING ROBOT CONTROLLER SET  DRIVING ROBOT ENABLE SWITCH SET  DRIVING ROBOT CAN  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – BU  GONTROL BOX REV. 19.02	PART	HA-NR.
(replacement only by Humanetics specialist)  DRIVING ROBOT BATTERY – CHARGER COMMUNICATION CABLE  RS232 CABLE (for VB datatransfer)  UFO-1-4110  RS232 X-NAV CABLE  UFO-1-4120  CAN cable (for VB datatransfer)  UFO-1-4100  ADMA GPS CABLE  ENERGY SUPPLY CABLE (for Vehicle Box)  UFO-1-4070  SMART CHARGER CHARGING CABLE  UFO-1-4010  NOVATEL 13.13 CABLE  UFO-1-4040  EMERGENCY STOP CABLE (old version)  MOXA CABLE  UFO-1-4090  DRIVING ROBOT POWER CABLE  DRIVING ROBOT CONTROLLER SET  UFO-1-4320  DRIVING ROBOT CAN  DRIVING ROBOT CAN  DRIVING ROBOT CAN  DRIVING ROBOT CAN  UFO-1-4340  POE LEMO 1T 3M CABLE  UFO-1-4370  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – USJP  UFO-1-4390-USJP	DRIVING ROBOT STEERING CABLE	UFO-1-4280
DRIVING ROBOT BATTERY – CHARGER COMMUNICATION CABLE  RS232 CABLE (for VB datatransfer)  RS232 X-NAV CABLE  UFO-1-4110  RS232 X-NAV CABLE  UFO-1-4100  ADMA GPS CABLE  UFO-1-4060  ENERGY SUPPLY CABLE (for Vehicle Box)  UFO-1-4070  SMART CHARGER CHARGING CABLE  UFO-1-4010  NOVATEL 13.13 CABLE  UFO-1-4040  EMERGENCY STOP CABLE (old version)  MOXA CABLE  UFO-1-4090  DRIVING ROBOT POWER CABLE  DRIVING ROBOT CONTROLLER SET  UFO-1-4320  DRIVING ROBOT CAN  POE LEMO 1T 3M CABLE  UFO-1-4370  CONTROL BOX REV. 19.02 POWER CABLE – BU  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – BU  UFO-1-4390-UK  CONTROL BOX REV. 19.02 POWER CABLE – BU  UFO-1-4390-USJP	DRIVING ROBOT BRAKE CABLE	UFO-1-4290
RS232 CABLE (for VB datatransfer)       UFO-1-4110         RS232 X-NAV CABLE       UFO-1-4120         CAN cable (for VB datatransfer)       UFO-1-4100         ADMA GPS CABLE       UFO-1-4060         ENERGY SUPPLY CABLE (for Vehicle Box)       UFO-1-4070         SMART CHARGER CHARGING CABLE       UFO-1-4010         NOVATEL 13.13 CABLE       UFO-1-4040         EMERGENCY STOP CABLE (old version)       UFO-1-4050         MOXA CABLE       UFO-1-4090         DRIVING ROBOT POWER CABLE       UFO-1-4310         DRIVING ROBOT CONTROLLER SET       UFO-1-4320         DRIVING ROBOT ENABLE SWITCH SET       UFO-1-4330         DRIVING ROBOT CAN       UFO-1-4340         POE LEMO 1T 3M CABLE       UFO-1-4360         POE LEMO 1T 6M CABLE       UFO-1-4370         CONTROL BOX REV. 19.02 POWER CABLE – EU       UFO-1-4390-EU         CONTROL BOX REV. 19.02 POWER CABLE – UK       UFO-1-4390-AUCN         CONTROL BOX REV. 19.02 POWER CABLE – AUCN       UFO-1-4390-AUCN         CONTROL BOX REV. 19.02 POWER CABLE – BUSP       UFO-1-4390-USJP	(replacement only by Humanetics specialist)	
RS232 X-NAV CABLE  CAN cable (for VB datatransfer)  ADMA GPS CABLE  UFO-1-4100  ADMA GPS CABLE  UFO-1-4060  ENERGY SUPPLY CABLE (for Vehicle Box)  SMART CHARGER CHARGING CABLE  NOVATEL 13.13 CABLE  EMERGENCY STOP CABLE (old version)  MOXA CABLE  UFO-1-4050  MOXA CABLE  UFO-1-4090  DRIVING ROBOT POWER CABLE  DRIVING ROBOT CONTROLLER SET  DRIVING ROBOT ENABLE SWITCH SET  UFO-1-4330  DRIVING ROBOT CAN  UFO-1-4340  POE LEMO 1T 3M CABLE  UFO-1-4370  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – BUSJP  UFO-1-4390-AUCN  UFO-1-4390-AUCN  UFO-1-4390-AUCN	DRIVING ROBOT BATTERY - CHARGER COMMUNICATION CABLE	UFO-1-4380
CAN cable (for VB datatransfer)  ADMA GPS CABLE  UFO-1-4060  ENERGY SUPPLY CABLE (for Vehicle Box)  UFO-1-4070  SMART CHARGER CHARGING CABLE  UFO-1-4010  NOVATEL 13.13 CABLE  UFO-1-4040  EMERGENCY STOP CABLE (old version)  MOXA CABLE  UFO-1-4050  MOXA CABLE  UFO-1-4090  DRIVING ROBOT POWER CABLE  DRIVING ROBOT CONTROLLER SET  UFO-1-4310  DRIVING ROBOT ENABLE SWITCH SET  UFO-1-4330  DRIVING ROBOT CAN  UFO-1-4340  POE LEMO 1T 3M CABLE  UFO-1-4360  POE LEMO 1T 6M CABLE  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – USJP  UFO-1-4390-USJP	RS232 CABLE (for VB datatransfer)	UFO-1-4110
ADMA GPS CABLE  ENERGY SUPPLY CABLE (for Vehicle Box)  SMART CHARGER CHARGING CABLE  NOVATEL 13.13 CABLE  EMERGENCY STOP CABLE (old version)  MOXA CABLE  DRIVING ROBOT POWER CABLE  DRIVING ROBOT ENABLE SWITCH SET  DRIVING ROBOT CAN  POE LEMO 1T 3M CABLE  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – USJP  UFO-1-4390-USJP	RS232 X-NAV CABLE	UFO-1-4120
ENERGY SUPPLY CABLE (for Vehicle Box)  SMART CHARGER CHARGING CABLE  NOVATEL 13.13 CABLE  UFO-1-4040  EMERGENCY STOP CABLE (old version)  MOXA CABLE  UFO-1-4050  MOXA CABLE  UFO-1-4090  DRIVING ROBOT POWER CABLE  UFO-1-4310  DRIVING ROBOT CONTROLLER SET  UFO-1-4320  DRIVING ROBOT ENABLE SWITCH SET  UFO-1-4330  DRIVING ROBOT CAN  POE LEMO 1T 3M CABLE  UFO-1-4360  POE LEMO 1T 6M CABLE  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – BU  UFO-1-4390-AUCN  CONTROL BOX REV. 19.02 POWER CABLE – BU  UFO-1-4390-JUSJP	CAN cable (for VB datatransfer)	UFO-1-4100
SMART CHARGER CHARGING CABLE       UFO-1-4010         NOVATEL 13.13 CABLE       UFO-1-4040         EMERGENCY STOP CABLE (old version)       UFO-1-4050         MOXA CABLE       UFO-1-4090         DRIVING ROBOT POWER CABLE       UFO-1-4310         DRIVING ROBOT CONTROLLER SET       UFO-1-4320         DRIVING ROBOT ENABLE SWITCH SET       UFO-1-4330         DRIVING ROBOT CAN       UFO-1-4340         POE LEMO 1T 3M CABLE       UFO-1-4360         POE LEMO 1T 6M CABLE       UFO-1-4370         CONTROL BOX REV. 19.02 POWER CABLE – EU       UFO-1-4390-EU         CONTROL BOX REV. 19.02 POWER CABLE – UK       UFO-1-4390-UK         CONTROL BOX REV. 19.02 POWER CABLE – AUCN       UFO-1-4390-AUCN         CONTROL BOX REV. 19.02 POWER CABLE – USJP       UFO-1-4390-USJP	ADMA GPS CABLE	UFO-1-4060
NOVATEL 13.13 CABLE       UFO-1-4040         EMERGENCY STOP CABLE (old version)       UFO-1-4050         MOXA CABLE       UFO-1-4090         DRIVING ROBOT POWER CABLE       UFO-1-4310         DRIVING ROBOT CONTROLLER SET       UFO-1-4320         DRIVING ROBOT ENABLE SWITCH SET       UFO-1-4330         DRIVING ROBOT CAN       UFO-1-4340         POE LEMO 1T 3M CABLE       UFO-1-4360         POE LEMO 1T 6M CABLE       UFO-1-4370         CONTROL BOX REV. 19.02 POWER CABLE – EU       UFO-1-4390-EU         CONTROL BOX REV. 19.02 POWER CABLE – UK       UFO-1-4390-UK         CONTROL BOX REV. 19.02 POWER CABLE – AUCN       UFO-1-4390-AUCN         CONTROL BOX REV. 19.02 POWER CABLE – AUCN       UFO-1-4390-USJP	ENERGY SUPPLY CABLE (for Vehicle Box)	UFO-1-4070
EMERGENCY STOP CABLE (old version)  MOXA CABLE  UFO-1-4090  DRIVING ROBOT POWER CABLE  UFO-1-4310  DRIVING ROBOT CONTROLLER SET  UFO-1-4320  DRIVING ROBOT ENABLE SWITCH SET  UFO-1-4330  DRIVING ROBOT CAN  UFO-1-4340  POE LEMO 1T 3M CABLE  UFO-1-4360  POE LEMO 1T 6M CABLE  UFO-1-4370  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  UFO-1-4390-AUCN  CONTROL BOX REV. 19.02 POWER CABLE – USJP	SMART CHARGER CHARGING CABLE	UFO-1-4010
MOXA CABLE       UFO-1-4090         DRIVING ROBOT POWER CABLE       UFO-1-4310         DRIVING ROBOT CONTROLLER SET       UFO-1-4320         DRIVING ROBOT ENABLE SWITCH SET       UFO-1-4330         DRIVING ROBOT CAN       UFO-1-4340         POE LEMO 1T 3M CABLE       UFO-1-4360         POE LEMO 1T 6M CABLE       UFO-1-4370         CONTROL BOX REV. 19.02 POWER CABLE – EU       UFO-1-4390-EU         CONTROL BOX REV. 19.02 POWER CABLE – UK       UFO-1-4390-UK         CONTROL BOX REV. 19.02 POWER CABLE – AUCN       UFO-1-4390-AUCN         CONTROL BOX REV. 19.02 POWER CABLE – USJP       UFO-1-4390-USJP	NOVATEL 13.13 CABLE	UFO-1-4040
DRIVING ROBOT POWER CABLE  DRIVING ROBOT CONTROLLER SET  UFO-1-4320  DRIVING ROBOT ENABLE SWITCH SET  UFO-1-4330  DRIVING ROBOT CAN  UFO-1-4340  POE LEMO 1T 3M CABLE  UFO-1-4360  POE LEMO 1T 6M CABLE  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – USJP  UFO-1-4390-USJP	EMERGENCY STOP CABLE (old version)	UFO-1-4050
DRIVING ROBOT CONTROLLER SET  DRIVING ROBOT ENABLE SWITCH SET  UFO-1-4330  DRIVING ROBOT CAN  UFO-1-4340  POE LEMO 1T 3M CABLE  UFO-1-4360  POE LEMO 1T 6M CABLE  UFO-1-4370  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  UFO-1-4390-AUCN  CONTROL BOX REV. 19.02 POWER CABLE – USJP  UFO-1-4390-USJP	MOXA CABLE	UFO-1-4090
DRIVING ROBOT ENABLE SWITCH SET  DRIVING ROBOT CAN  UFO-1-4340  POE LEMO 1T 3M CABLE  POE LEMO 1T 6M CABLE  UFO-1-4360  UFO-1-4370  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – USJP  UFO-1-4390-USJP	DRIVING ROBOT POWER CABLE	UFO-1-4310
DRIVING ROBOT CAN  POE LEMO 1T 3M CABLE  POE LEMO 1T 6M CABLE  UFO-1-4360  UFO-1-4370  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  UFO-1-4390-AUCN  UFO-1-4390-USJP	DRIVING ROBOT CONTROLLER SET	UFO-1-4320
POE LEMO 1T 3M CABLE  POE LEMO 1T 6M CABLE  UFO-1-4360  UFO-1-4370  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  UFO-1-4390-AUCN  UFO-1-4390-USJP	DRIVING ROBOT ENABLE SWITCH SET	UFO-1-4330
POE LEMO 1T 6M CABLE  CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – USJP  UFO-1-4390-USJP	DRIVING ROBOT CAN	UFO-1-4340
CONTROL BOX REV. 19.02 POWER CABLE – EU  CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  UFO-1-4390-AUCN  UFO-1-4390-USJP	POE LEMO 1T 3M CABLE	UFO-1-4360
CONTROL BOX REV. 19.02 POWER CABLE – UK  CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – USJP  UFO-1-4390-USJP	POE LEMO 1T 6M CABLE	UFO-1-4370
CONTROL BOX REV. 19.02 POWER CABLE – AUCN  CONTROL BOX REV. 19.02 POWER CABLE – USJP  UFO-1-4390-USJP	CONTROL BOX REV. 19.02 POWER CABLE – EU	UFO-1-4390-EU
CONTROL BOX REV. 19.02 POWER CABLE – USJP UFO-1-4390-USJP	CONTROL BOX REV. 19.02 POWER CABLE – UK	UFO-1-4390-UK
	CONTROL BOX REV. 19.02 POWER CABLE – AUCN	UFO-1-4390-AUCN
EM-STOP REV. 19.02 UFO-1-4400	CONTROL BOX REV. 19.02 POWER CABLE – USJP	UFO-1-4390-USJP
	EM-STOP REV. 19.02	UFO-1-4400
CONTROL PANEL POWER SUPPLY UFO-1-4570	CONTROL PANEL POWER SUPPLY	UFO-1-4570
CONTROL BOX SATTELMODEM COMMUNICATION CABLE UFO-1-4580	CONTROL BOX SATTELMODEM COMMUNICATION CABLE	UFO-1-4580

Page 6 Rev. 202103

#### PRE-CONFIGURED SPARE PARTS

We recommend that you contact Humanetics support before ordering, in order to agree on the required configuration

## 20. Configured Rocket UFO-1-8470

Includes:

1x configured rocket



#### 21. Bullet for VUT KIT UFO-1-8410

Includes:

1x bullet

1x antenna

1x suction cup

\*ships preassembled



#### 22. Bullet VB 6005541

Includes:

1x bullet



Page 7 Rev. 202103

#### REPLACEMENT ONLY BY HUMANETICS SPECIALIST

#### 23. Centric Guide Roll V6005869

Includes:

1x centric guide roll



#### 24. Eccentric Guide Roll V6005870

Includes:

1x eccentric guide roll (driving robot uses 3x eccentric guide roll)

Page 8 Rev. 202103



Page 9 Rev. 202103