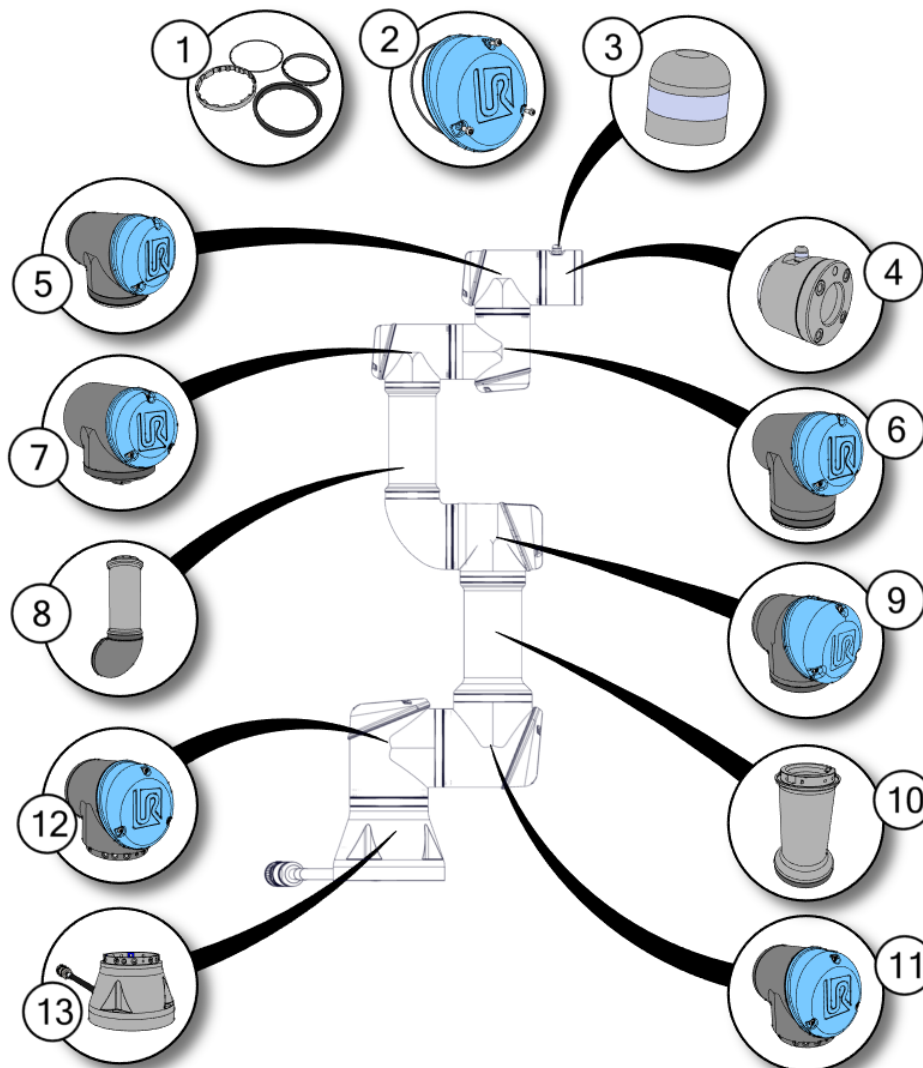


8.1 Robot Arm

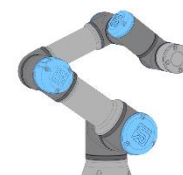
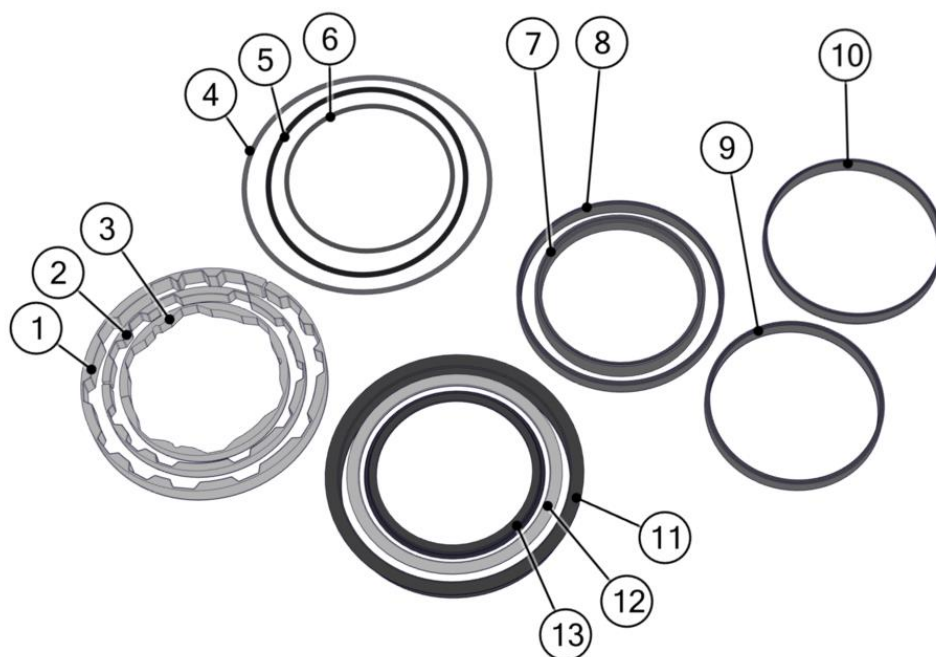


Click on the page no. in the right column to see part in detail or go to the page.

NO.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	Sealing ring set	103703/103705/103700	147-149
2	Lid set	103413/103405/103410	150-152
3	Protective cap for tool connector	131095	153
4	Tool mount with Force/Torque sensor	124083/124085/124080	154-156
5	Wrist joint 3	124002/102414/102412	157-159
6	Wrist joint 2	124110/124111/124112	160-162
7	Wrist joint 1	124001/102413/102411	163-165
8	Lower arm assembly	N/A	166
9	Elbow joint	124011/124031/124031	167-169
10	Upper arm	N/A	170
11	Shoulder joint	124021/124031/124041	171-173
12	Base joint	124021/124031/124041	174-176
13	Base with Robot Arm cable	122083/122085/122080	177-179

Refer to Section 4.1 Robot Arm for joint name and size.

Sealing ring set UR3e – 103703

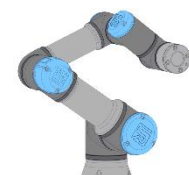
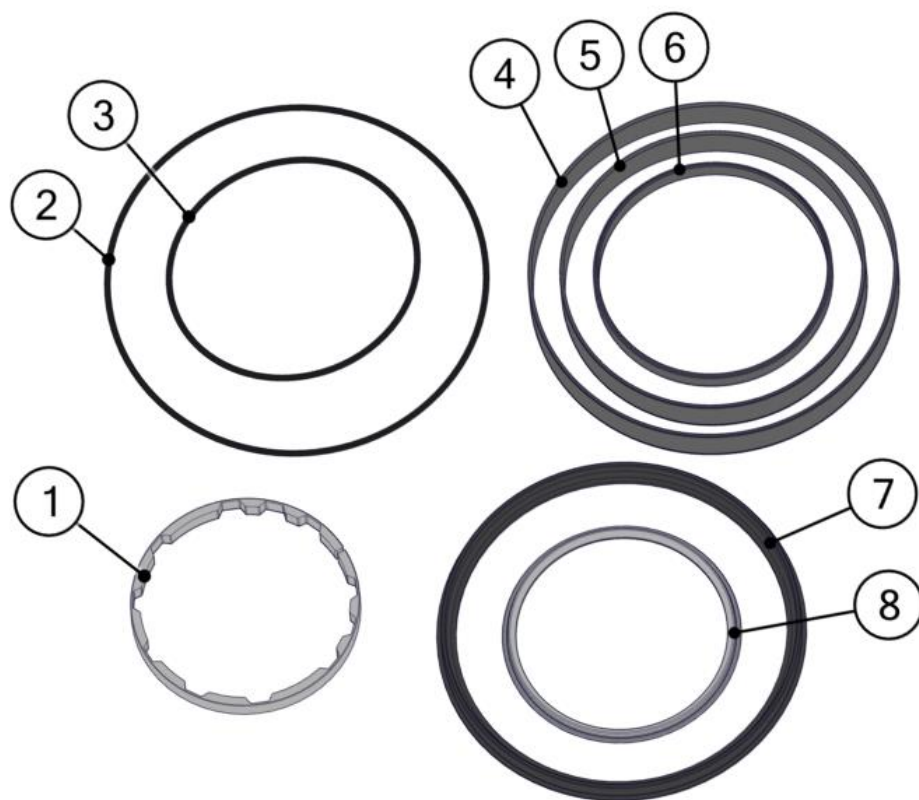


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Sealing ring set UR3e – 103703

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	3	Form-ring for Size 2 joints	N/A	N/A
2	2	Form-ring for Size 1 joints	N/A	N/A
3	4	Form-ring for size 0 joints	N/A	N/A
4	2	O-ring for size 2 lids	N/A	N/A
5	1	O-ring for size 1 lids	N/A	N/A
6	3	O-ring for size 0 lids	N/A	N/A
7	2	Flat ring for lower arm	N/A	N/A
8	1	Flat ring for size 1 joints	N/A	N/A
9	4	Flat ring for size 0 joints	N/A	N/A
10	3	Flat ring for size 2 joints	N/A	N/A
11	2	Wear ring for size 2 joints	N/A	N/A
12	1	Wear ring for size 1 joints	N/A	N/A
13	3	Wear ring for size 0 joints	N/A	N/A

Sealing ring set UR5e – 103705

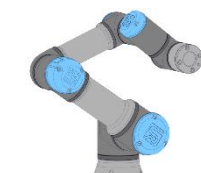
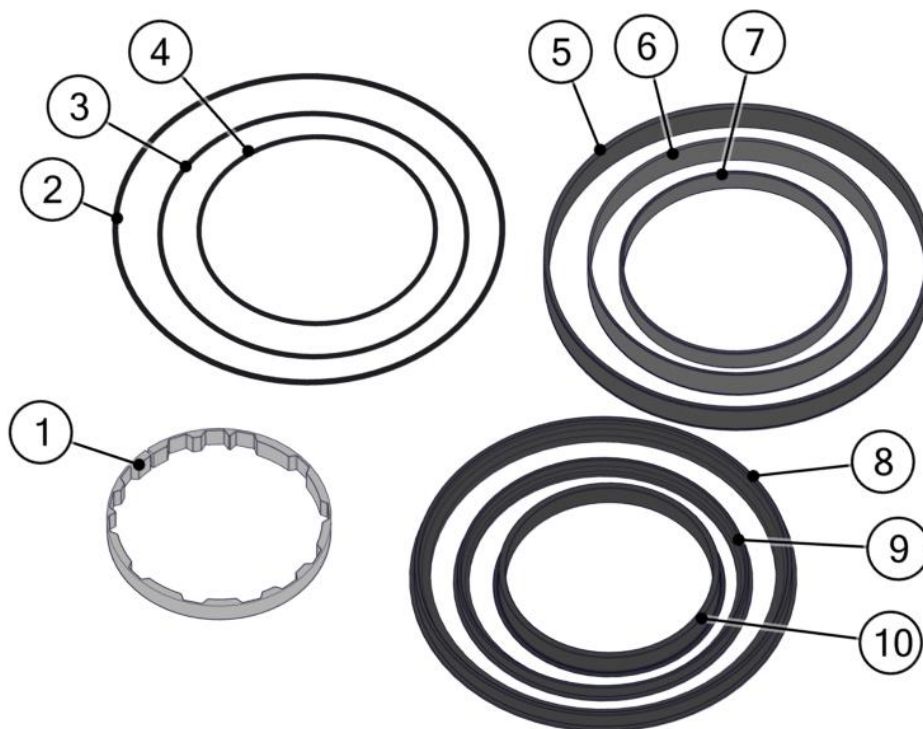


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Sealing ring set UR5e – 103705

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	4	Form-ring for Size 1 joints	N/A	N/A
2	3	O-ring for size 3 lids	N/A	N/A
3	3	O-ring for size 1 lids	N/A	N/A
4	5	Flat ring for size 3 joints	N/A	N/A
5	1	Flat ring for lower arm	N/A	N/A
6	4	Flat ring for size 1 joints	N/A	N/A
7	2	Wear ring for size 3 joints	N/A	N/A
8	3	Wear ring for size 1 joints	N/A	N/A

Sealing ring set UR10e/UR16e –103700

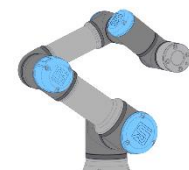
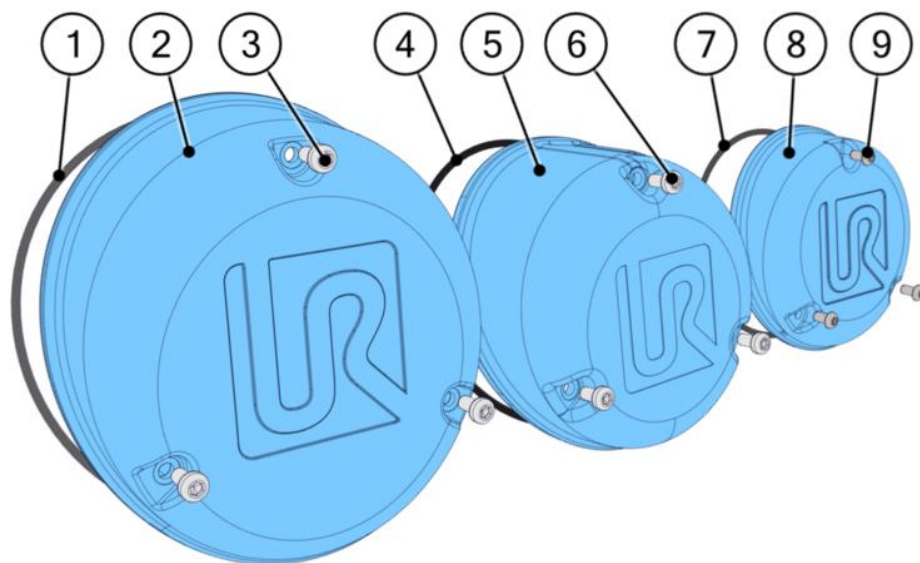


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Sealing ring set UR10e/UR16e –103700

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	4	Form-ring for Size 2 joints	N/A	N/A
2	2	O-ring for size 4 lids	N/A	N/A
3	1	O-ring for size 3 lids	N/A	N/A
4	3	O-ring for size 2 lids	N/A	N/A
5	3	Flat ring for size 4 joints	N/A	N/A
6	3	Flat ring for size 3 joints	N/A	N/A
7	4	Flat ring for size 2 joints	N/A	N/A
8	2	Wear ring for size 4 joints	N/A	N/A
9	1	Wear ring for size 3 joints	N/A	N/A
10	3	Wear ring for size 2 joints	N/A	N/A

Lid set for UR3e – 103413

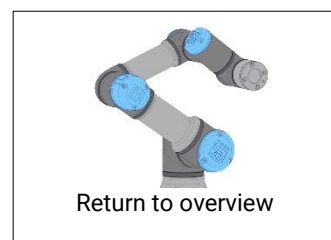
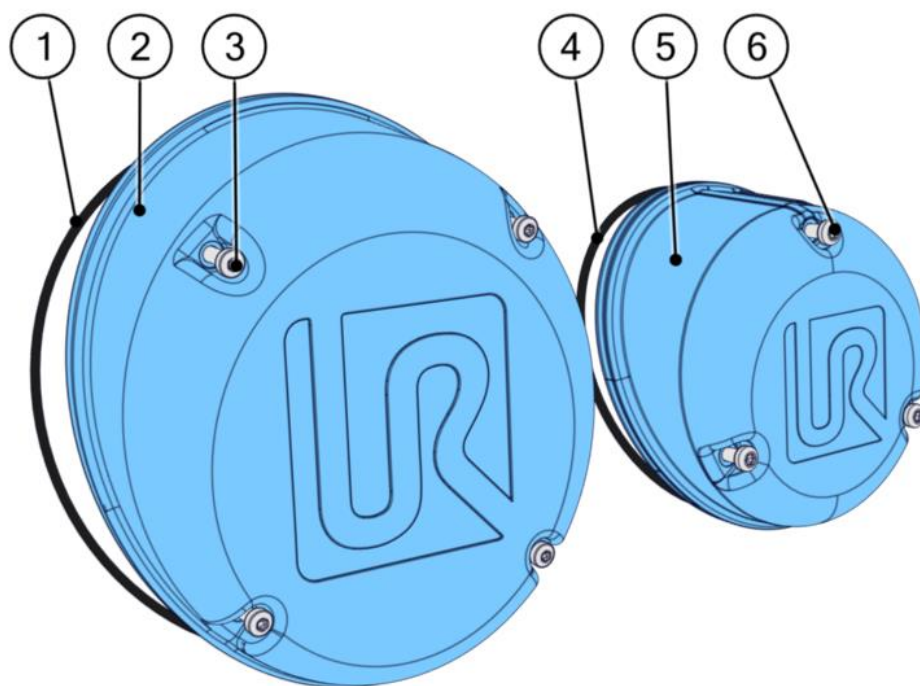


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Lid set for UR3e – 103413

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	O-ring for size 2	N/A	N/A
2	2	Lid for size 2	N/A	N/A
3	6	Screws for size 2 lid	N/A	N/A
4	1	O-ring for size 1	N/A	N/A
5	1	Lid for size 1	N/A	N/A
6	3	Screws for size 1	N/A	N/A
7	3	O-ring for size 0	N/A	N/A
8	3	Lid for size 0	N/A	N/A
9	9	Screws for size 0	N/A	N/A

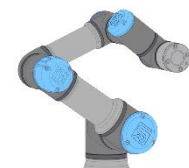
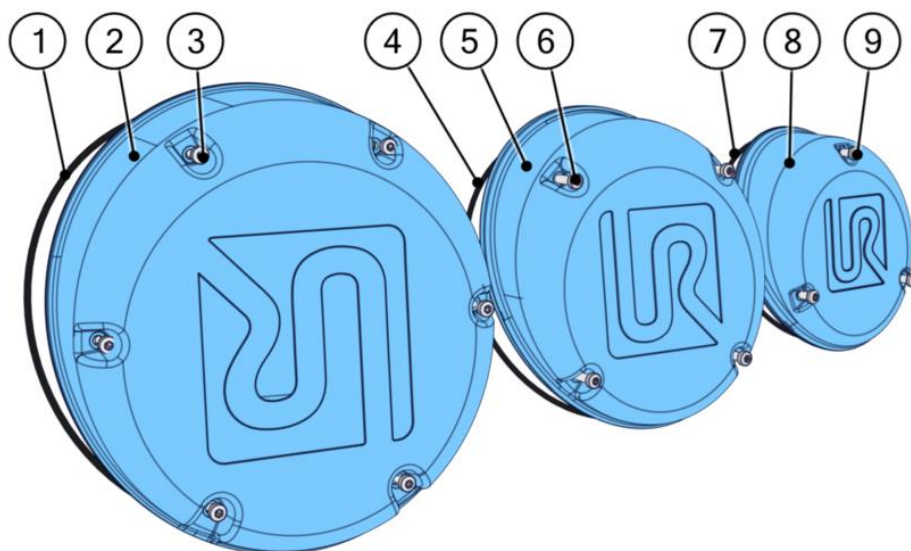
Lid set for UR5e – 103405



Lid set for UR5e – 103405

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	3	O-ring for size 3	N/A	N/A
2	3	Lid for size 3	N/A	N/A
3	12	Screws for size 3 lid	N/A	N/A
4	3	O-ring for size 1	N/A	N/A
5	3	Lid for size 1	N/A	N/A
6	9	Screws for size 1	N/A	N/A

Lid set for UR10e/UR16e – 103410

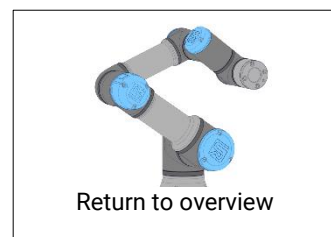
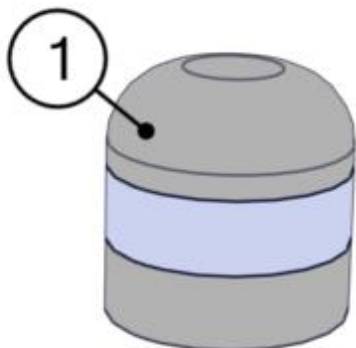


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Lid set for UR10e/UR16e – 103410

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	O-ring for size 4	N/A	N/A
2	2	Lid for size 4	N/A	N/A
3	12	Screws for size 4 lid	N/A	N/A
4	1	O-ring for size 3	N/A	N/A
5	1	Lid for size 3	N/A	N/A
6	4	Screws for size 3	N/A	N/A
7	3	O-ring for size 2	N/A	N/A
8	3	Lid for size 2	N/A	N/A
9	9	Screws for size 2	N/A	N/A

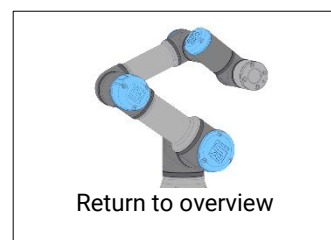
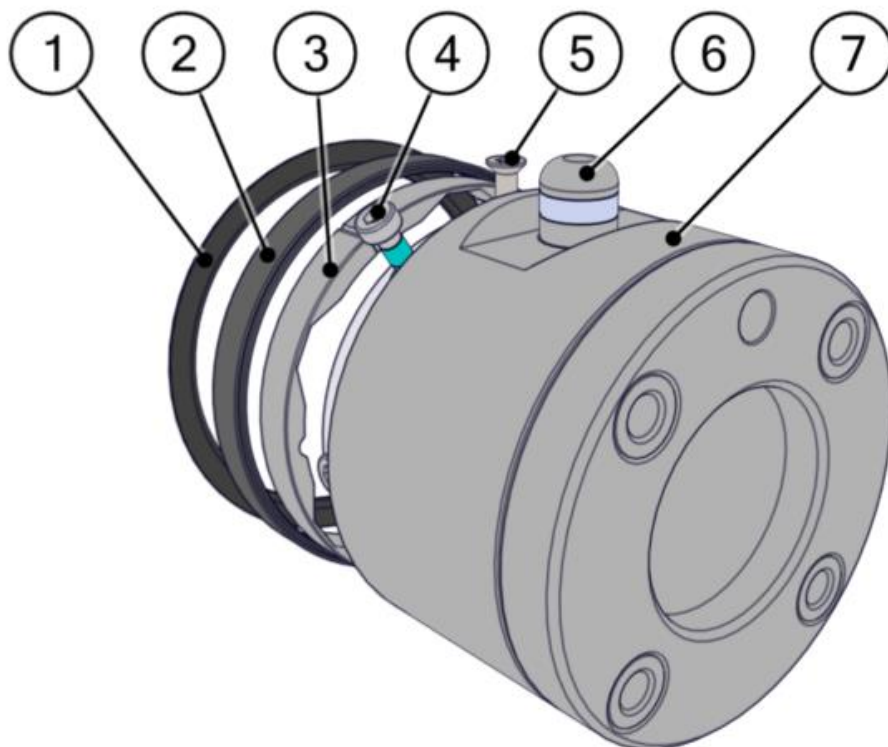
Protective cap for tool connector - 131095



Protective cap for tool connector - 131095

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Protective cap for tool connector	131095	153

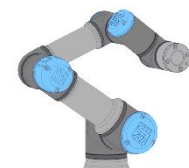
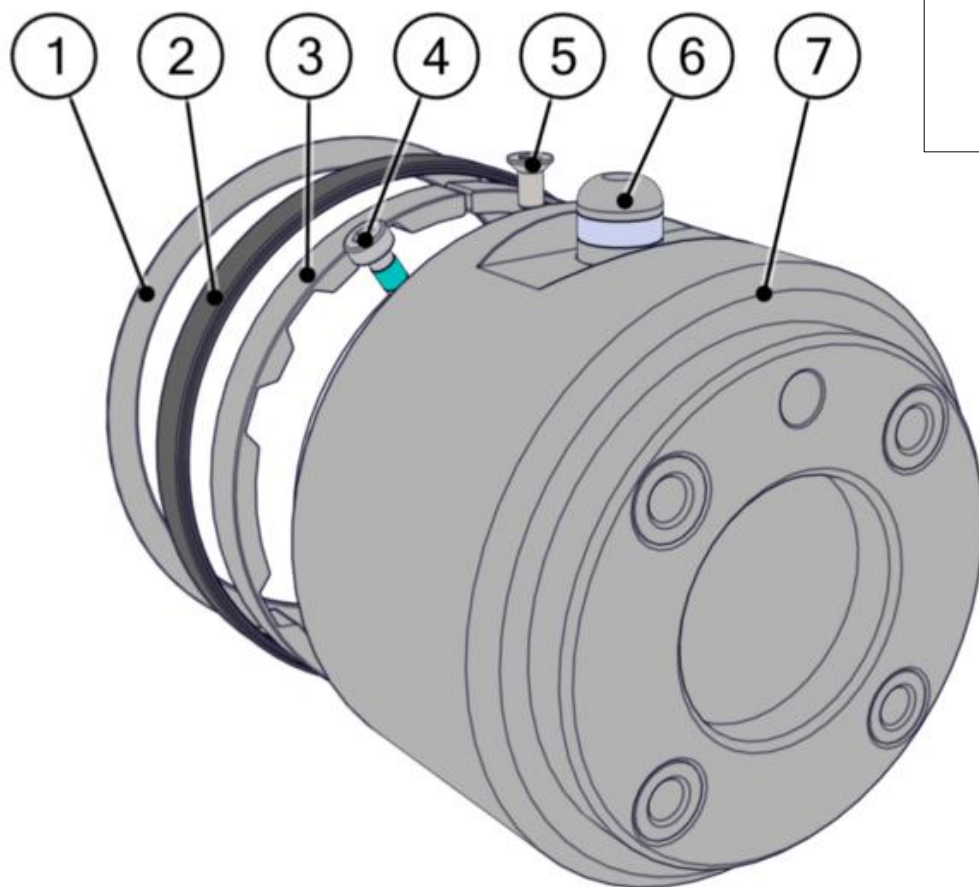
Tool mount with Force/Torque sensor for UR3e – 124083



Tool mount with Force/Torque sensor for UR3e – 124083

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Wear ring	103703	147
2	1	Flat ring	103703	147
3	1	Form ring	103703	147
4	6	Screw	N/A	N/A
5	3	Screw counter sunk	N/A	N/A
6	1	Tool connector lid	131095	153
7	1	Tool mount with Force/Torque sensor	124083	154

Tool mount with Force/Torque sensor for UR5e – 124085

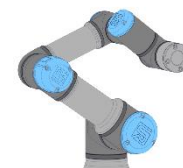
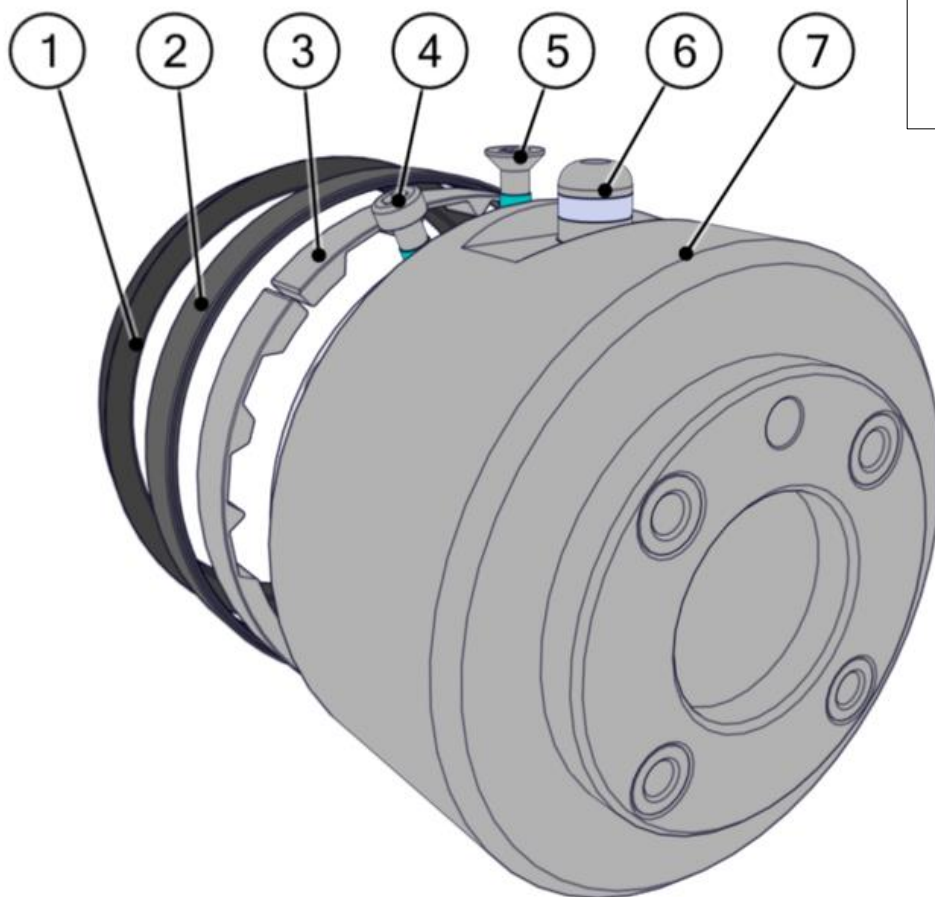


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Tool mount with Force/Torque sensor for UR5e – 124085				
NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Wear ring	N/A	148
2	1	Flat ring	N/A	148
3	1	Form ring	N/A	148
4	8	Screw	N/A	N/A
5	3	Screw counter sunk	N/A	N/A
6	1	Tool connector lid	131095	153
7	1	Tool mount with Force/Torque sensor	124085	155

Tool mount with Force/Torque sensor for UR10e/UR16e – 124080

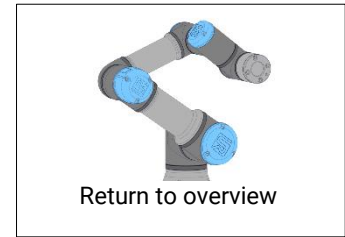
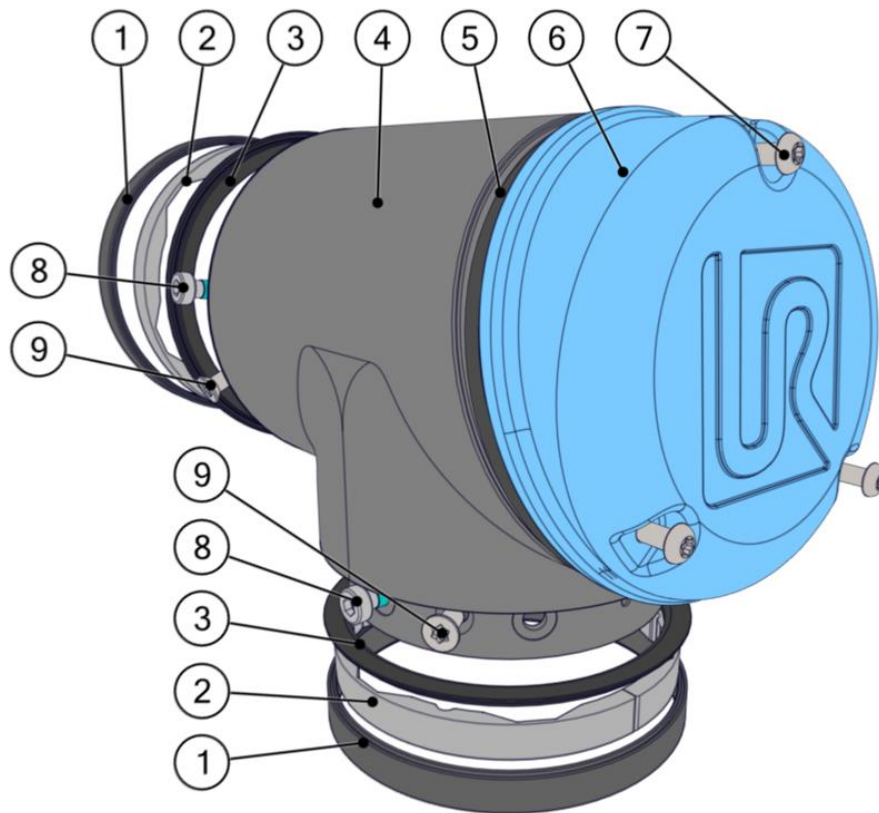


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Tool mount with Force/Torque sensor for UR10e/UR16e – 124080

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Wear ring	N/A	149
2	1	Flat ring	N/A	149
3	1	Form ring	N/A	149
4	10	Screw	N/A	N/A
5	3	Screw counter sunk	N/A	N/A
6	1	Tool connector lid	131095	153
7	1	Tool mount with Force/Torque sensor	124080	156

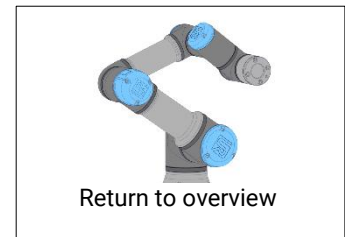
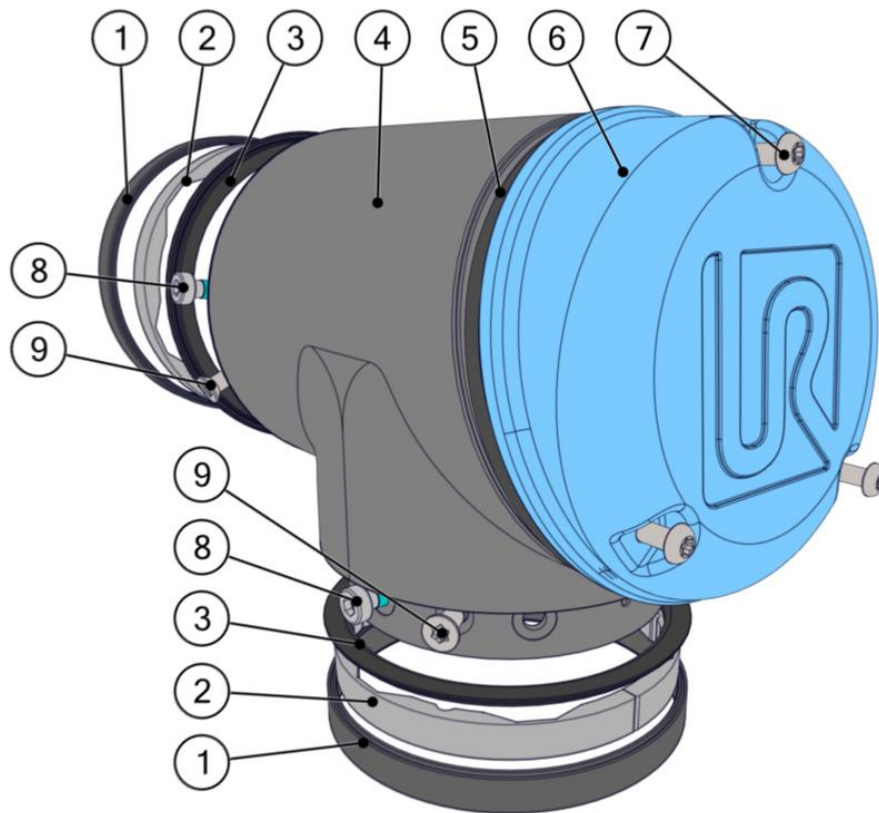
Wrist joint 3 for UR3e – 124002



Wrist joint 3 for UR3e – 124002

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 0	103703	147
2	2	Form ring for size 0	103703	147
3	2	Wear ring for size 0	103703	147
4	1	Wrist 3, size 0	N/A	N/A
5	1	O-ring for lid size 0	103413	150
6	1	Lid size 0	103413	150
7	3	Screws for lid size 0	103413	150
8	12	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

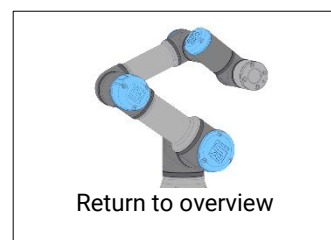
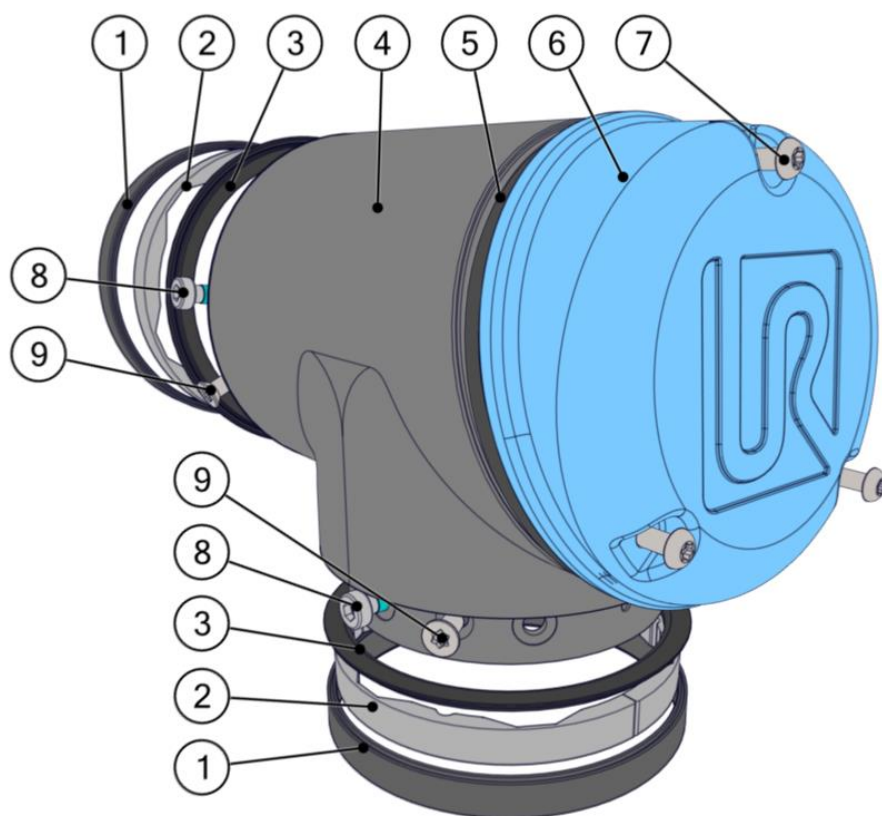
Wrist joint 3 for UR5e – 102414



Wrist joint 3 for UR5e – 102414

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 1	103705	148
2	2	Form ring for size 1	103705	148
3	2	Wear ring for size 1	103705	148
4	1	Wrist 3, size 1	N/A	N/A
5	1	O-ring for lid size 1	103405	151
6	1	Lid size 1	103405	151
7	3	Screws for lid size 1	103405	151
8	16	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

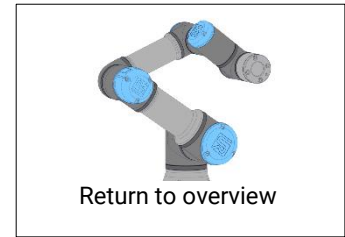
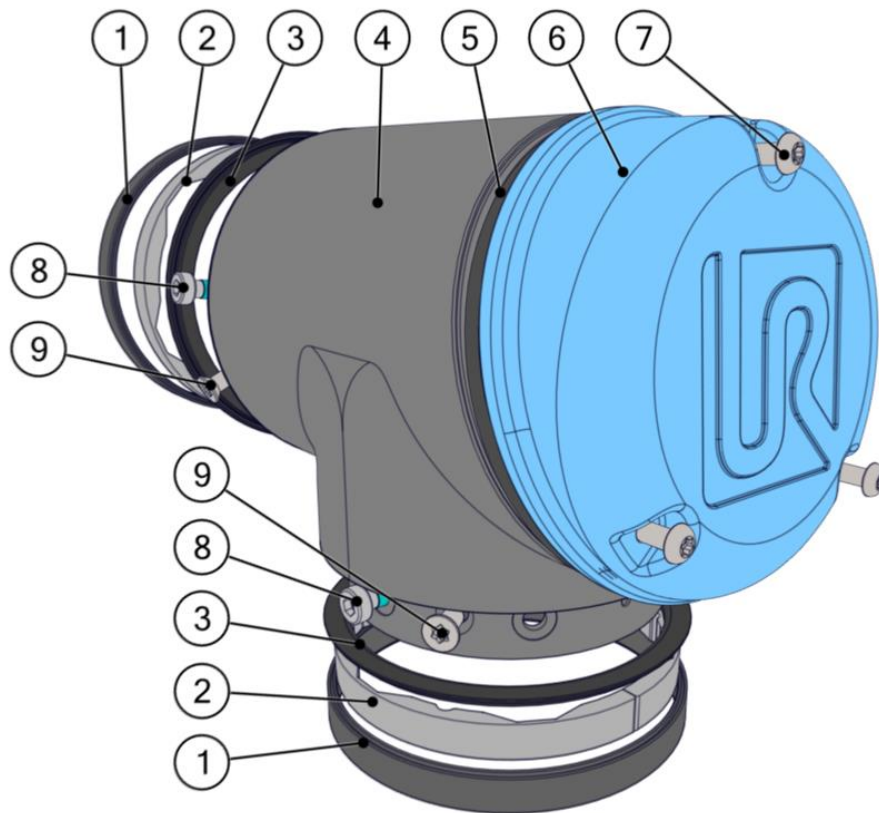
Wrist joint 3 for UR10e/UR16e – 102412



Wrist joint 3 for UR10e/UR16e – 102412

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 2	103700	149
2	2	Form ring for size 2	103700	149
3	2	Wear ring for size 2	103700	149
4	1	Wrist 3, size 2	N/A	N/A
5	1	O-ring for lid size 2	103410	152
6	1	Lid size 2	103410	152
7	3	Screws for lid size 2	103410	152
8	20	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

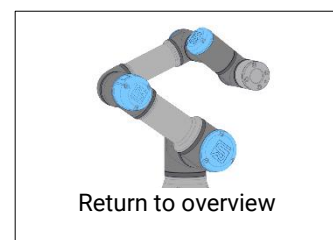
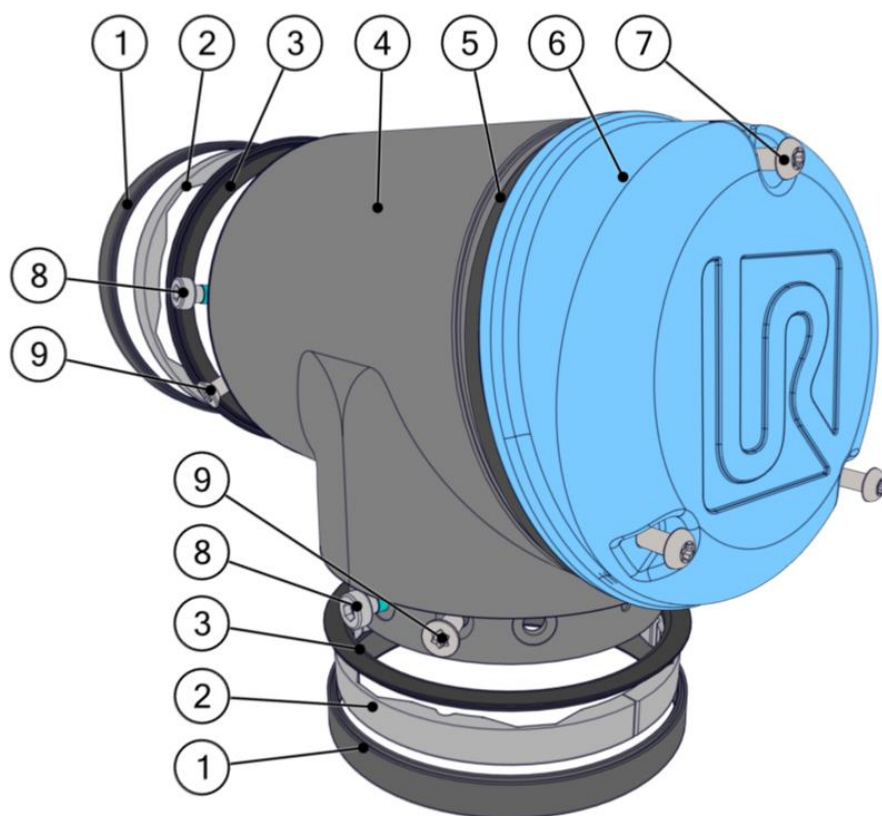
Wrist joint 2 for UR3e – 124110



Wrist joint 2 for UR3e – 124110

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 0	103703	147
2	2	Form ring for size 0	103703	147
3	2	Wear ring for size 0	103703	147
4	1	Wrist 2, size 0	N/A	N/A
5	1	O-ring for lid size 0	103413	150
6	1	Lid size 0	103413	150
7	3	Screws for lid size 0	103413	150
8	12	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

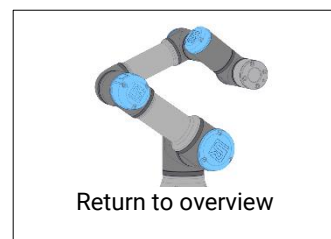
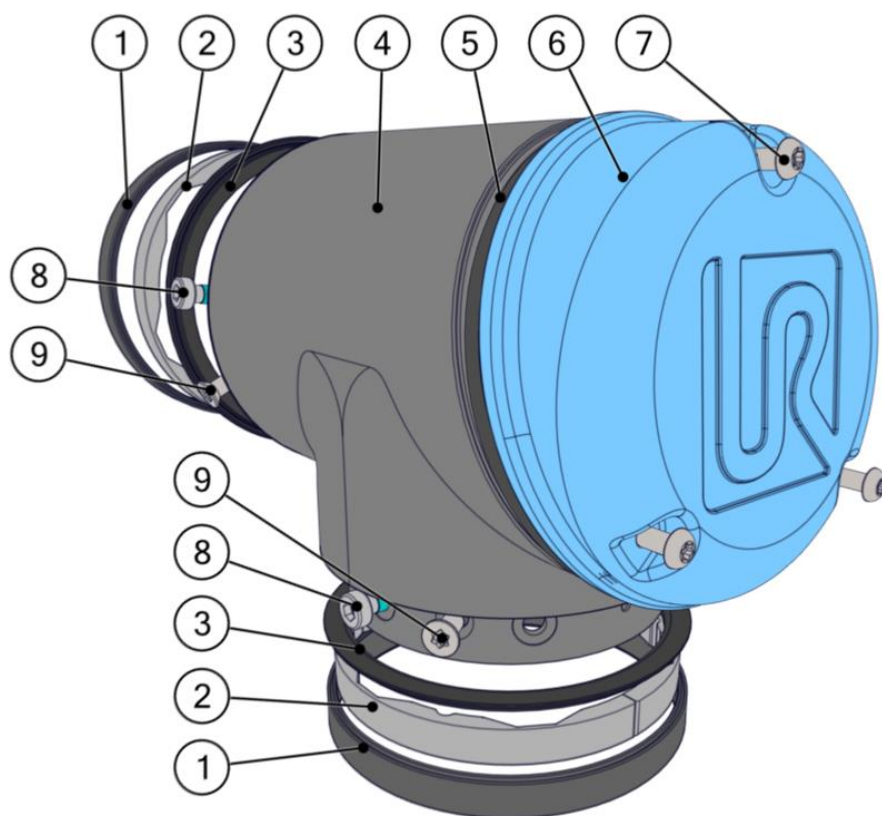
Wrist joint 2 for UR5e –124111



Wrist joint 2 for UR5e –124111

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 1	103705	148
2	2	Form ring for size 1	103705	148
3	2	Wear ring for size 1	103705	148
4	1	Wrist 2, size 1	N/A	N/A
5	1	O-ring for lid size 1	103405	151
6	1	Lid size 1	103405	151
7	3	Screws for lid size 1	103405	151
8	16	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

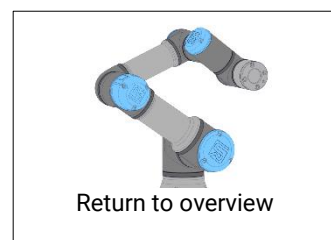
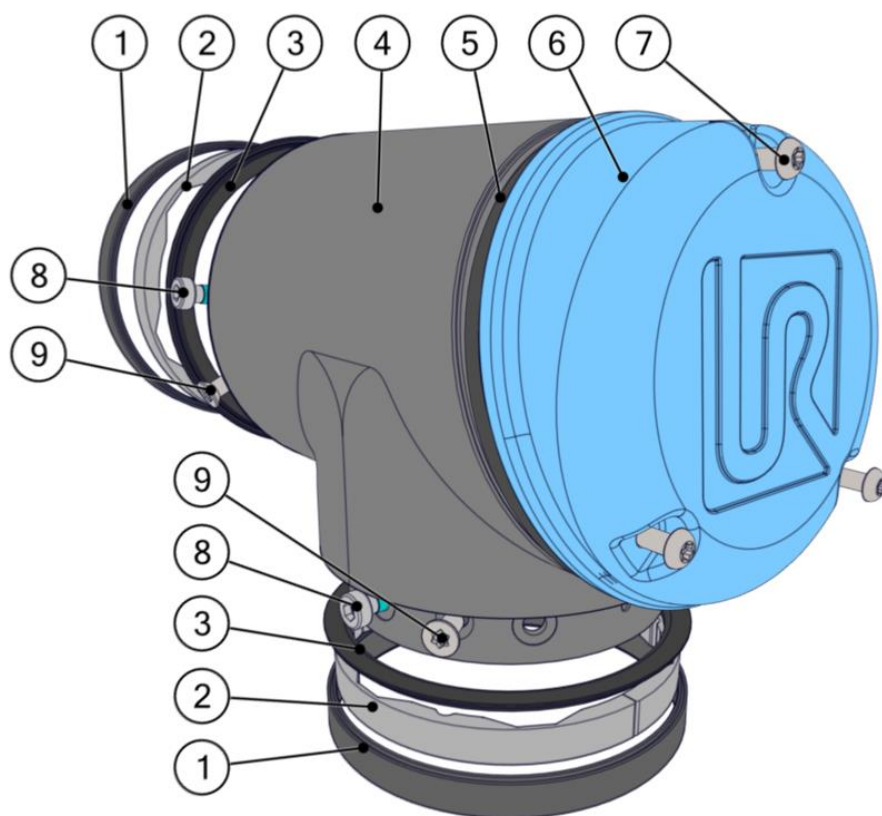
Wrist joint 2 for UR10e/UR16e –124112



Wrist joint 2 for UR10e/UR16e –124112

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 2	103700	149
2	2	Form ring for size 2	103700	149
3	2	Wear ring for size 2	103700	149
4	1	Wrist 2, size 2	N/A	N/A
5	1	O-ring for lid size 2	103410	152
6	1	Lid size 2	103410	152
7	3	Screws for lid size 2	103410	152
8	20	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

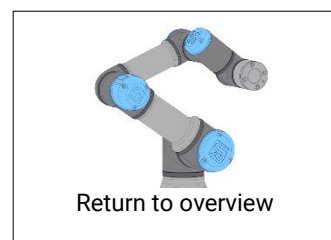
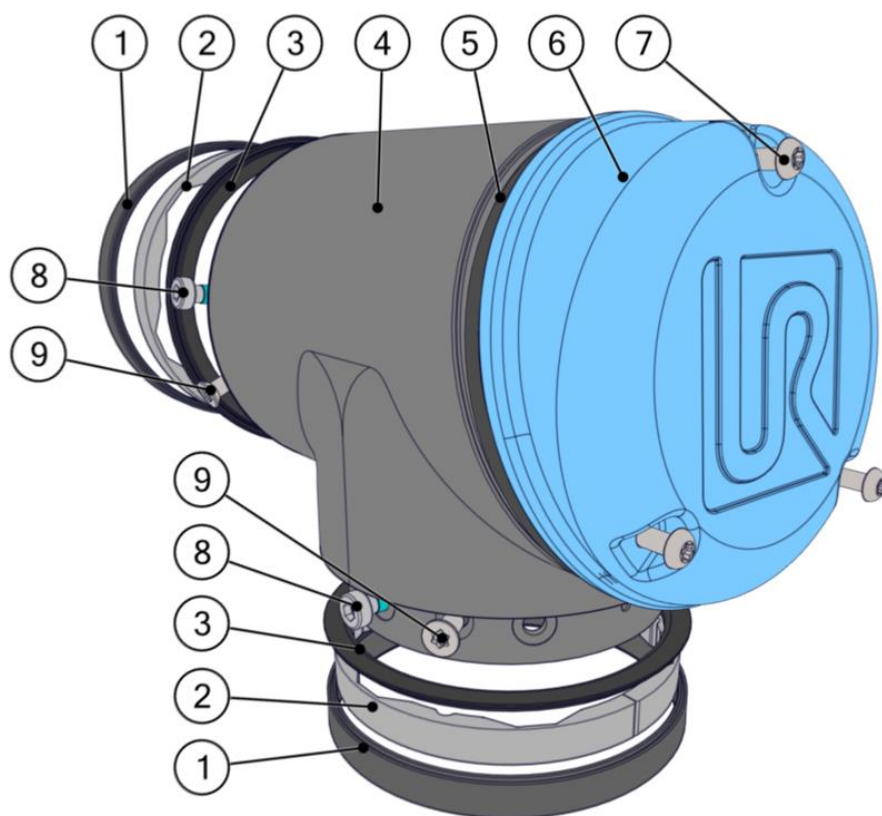
Wrist joint 1 for UR3e – 124001



Wrist joint 1 for UR3e – 124001

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 0	103703	147
2	2	Form ring for size 0	103703	147
3	2	Wear ring for size 0	103703	147
4	1	Wrist 1, size 0	N/A	N/A
5	1	O-ring for lid size 0	103413	150
6	1	Lid size 0	103413	150
7	3	Screws for lid size 0	103413	150
8	12	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

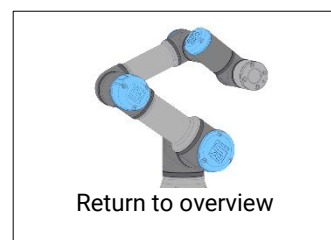
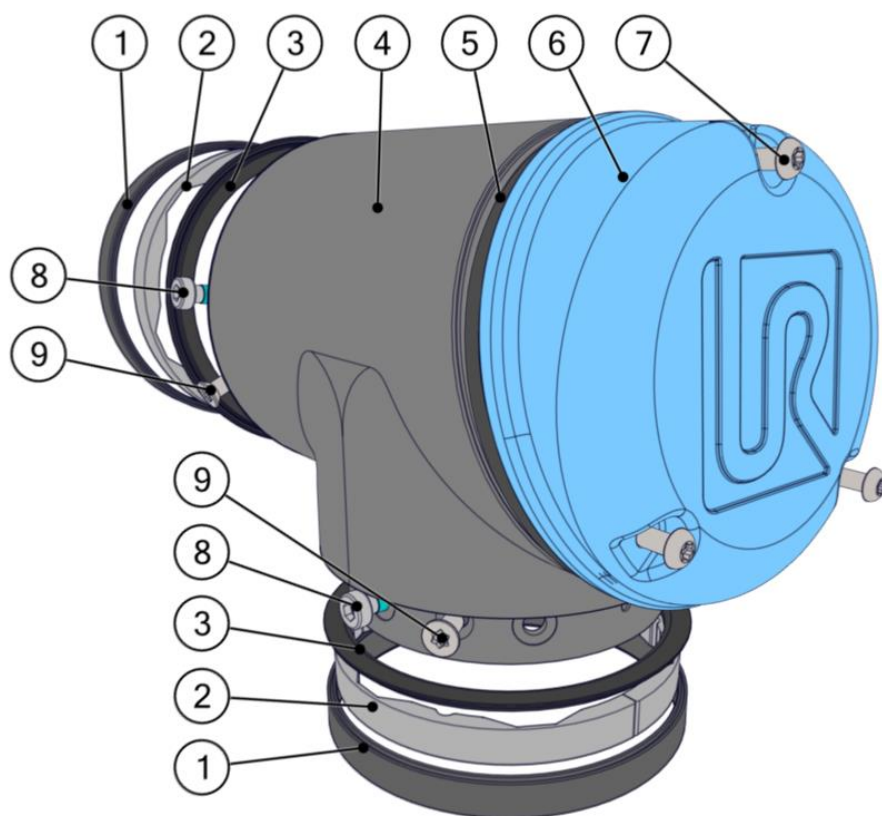
Wrist joint 1 for UR5e –102413



Wrist joint 1 for UR5e –102413

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 1	103705	148
2	2	Form ring for size 1	103705	148
3	2	Wear ring for size 1	103705	148
4	1	Wrist 1, size 1	N/A	N/A
5	1	O-ring for lid size 1	103405	151
6	1	Lid size 1	103405	151
7	3	Screws for lid size 1	103405	151
8	16	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

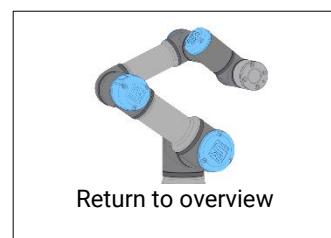
Wrist joint 1 for UR10e/UR16e –102411



Wrist joint 1 for UR10e/UR16e –102411

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 2	103700	149
2	2	Form ring for size 2	103700	149
3	2	Wear ring for size 2	103700	149
4	1	Wrist 1, size 2	N/A	N/A
5	1	O-ring for lid size 2	103410	152
6	1	Lid size 2	103410	152
7	3	Screws for lid size 2	103410	152
8	20	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

Lower arm assembly – N/A

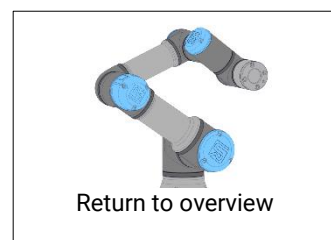
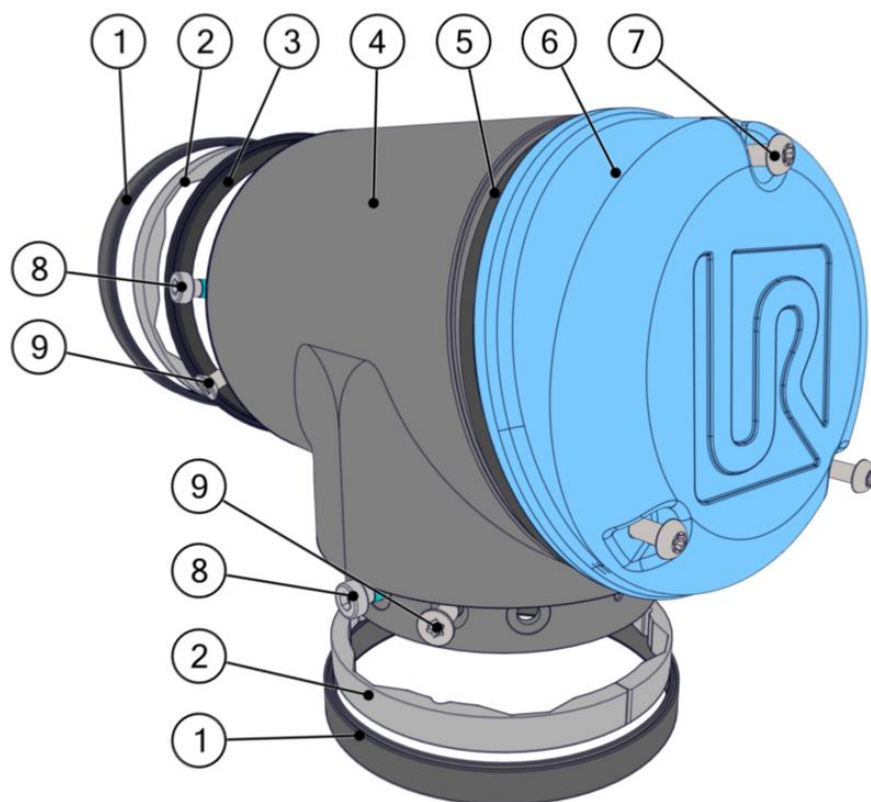


Lower arm assembly – N/A

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
	1	Lower arm assembly UR3e	N/A	N/A
	1	Lower arm assembly UR5e	N/A	N/A
	1	Lower arm assembly UR10e	N/A	N/A
	1	Lower arm assembly UR16e	N/A	N/A

Contact your preferred distributor for part number and availability.

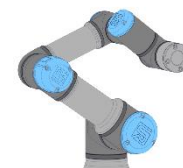
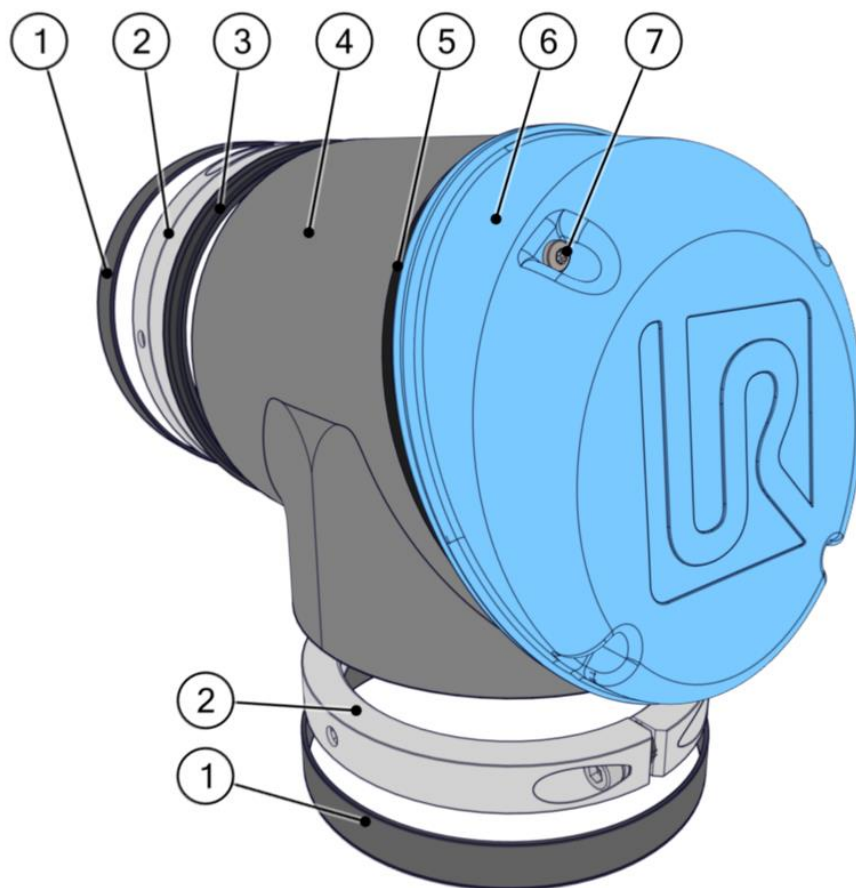
Elbow joint for UR3e– 124011



Elbow joint for UR3e– 124011

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 1	103703	147
2	2	Form ring for size 1	103703	147
3	1	Wear ring for size 1	103703	147
4	1	Elbow, size 1	N/A	N/A
5	1	O-ring for lid size 1	103413	150
6	1	Lid size 1	103413	150
7	3	Screws for lid size 1	103413	150
8	16	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

Elbow joint for UR5e –124031

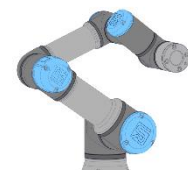
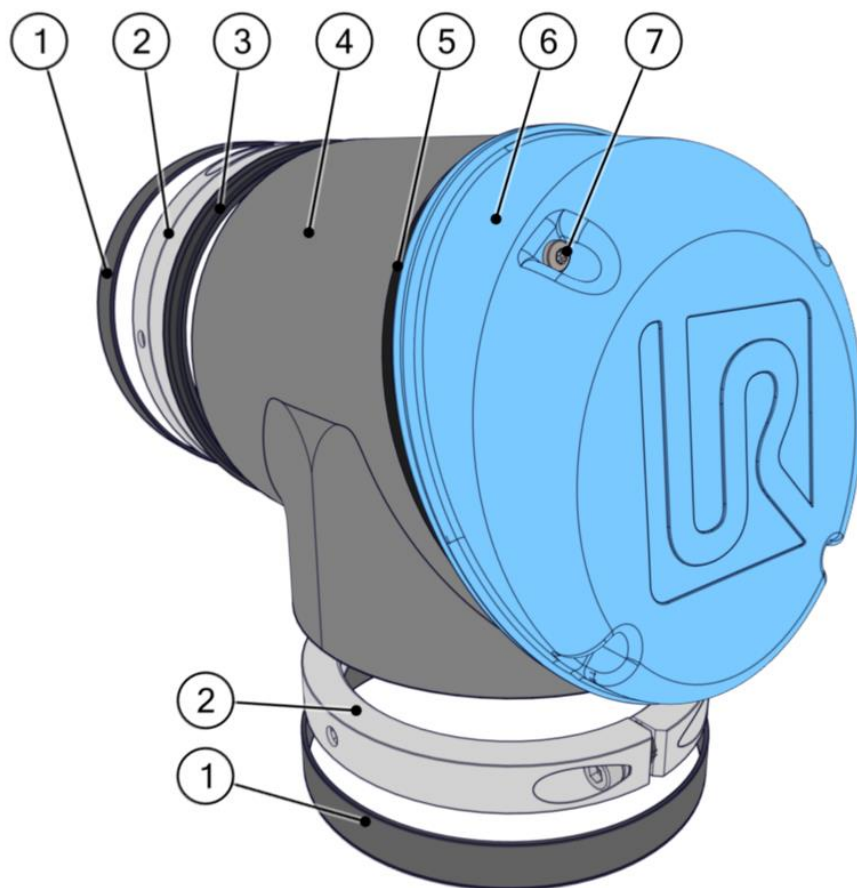


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Elbow joint for UR5e –124031

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 3	103705	148
2	2	Bracket connection incl. bolts and seals size 3	N/A	N/A
3	1	Wear ring size 3	103705	148
4	1	Elbow, size 3	N/A	N/A
5	1	O-ring for lid size 3	103405	151
6	1	Lid size 3	103405	151
7	4	Screws for lid size 3	103405	151

Elbow joint for UR10e/UR16e –124031

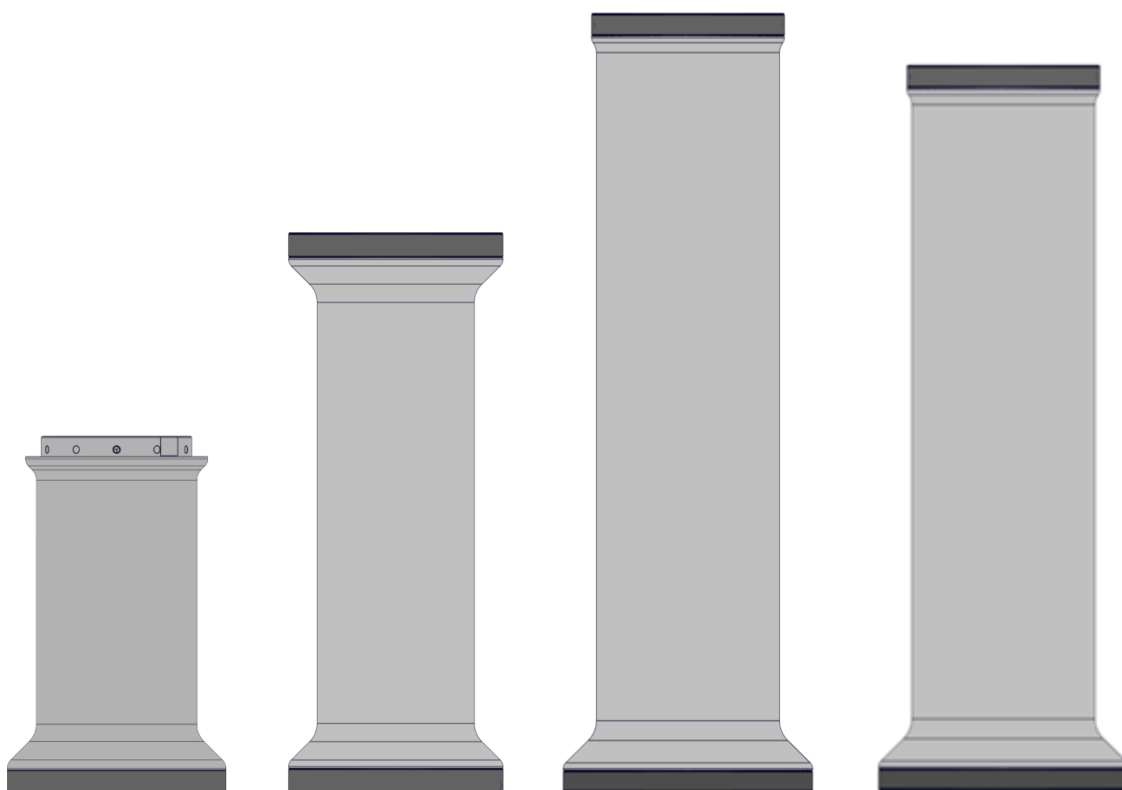
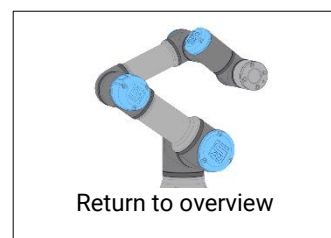


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Elbow joint for UR10e/UR16e –124031

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 3	103700	149
2	2	Bracket connection incl. bolts and seals size 1	N/A	N/A
3	1	Wear ring size 3	103700	149
4	1	Elbow, size 3	N/A	N/A
5	1	O-ring for lid size 3	103410	152
6	1	Lid size 3	103410	152
7	3	Screws for lid size 3	103410	152

Upper arm – N/A

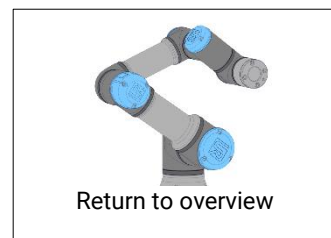
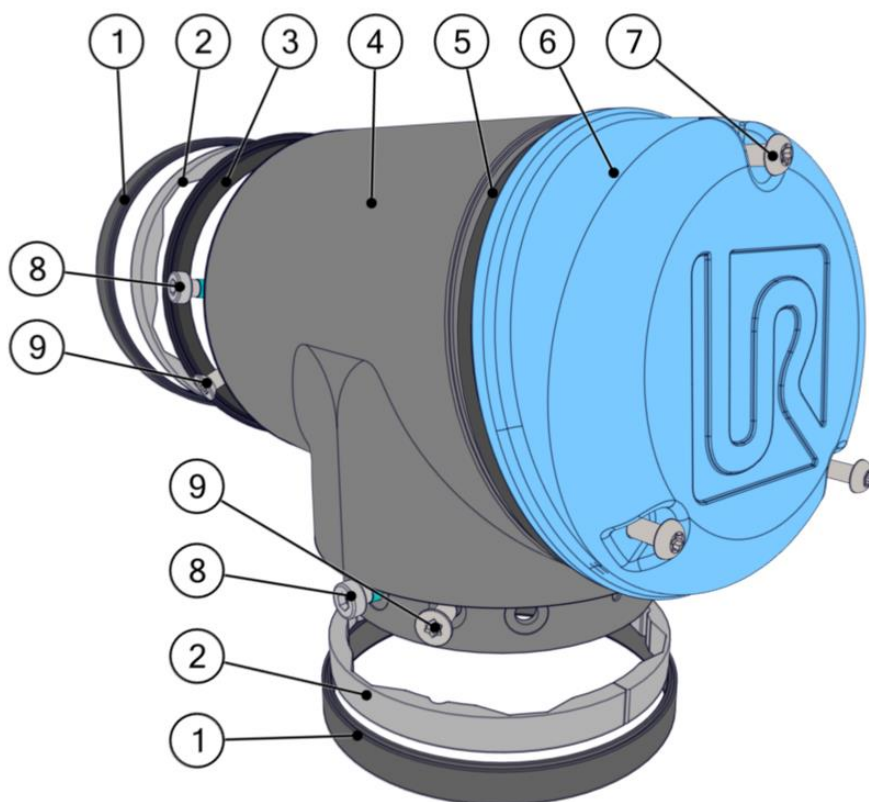


Upper arm assembly – N/A

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
	1	Upper arm assembly UR3e	N/A	N/A
	1	Upper arm assembly UR5e	N/A	N/A
	1	Upper arm assembly UR10e	N/A	N/A
	1	Upper arm assembly UR16e	N/A	N/A

Contact your preferred distributor for part number and availability.

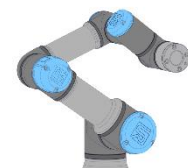
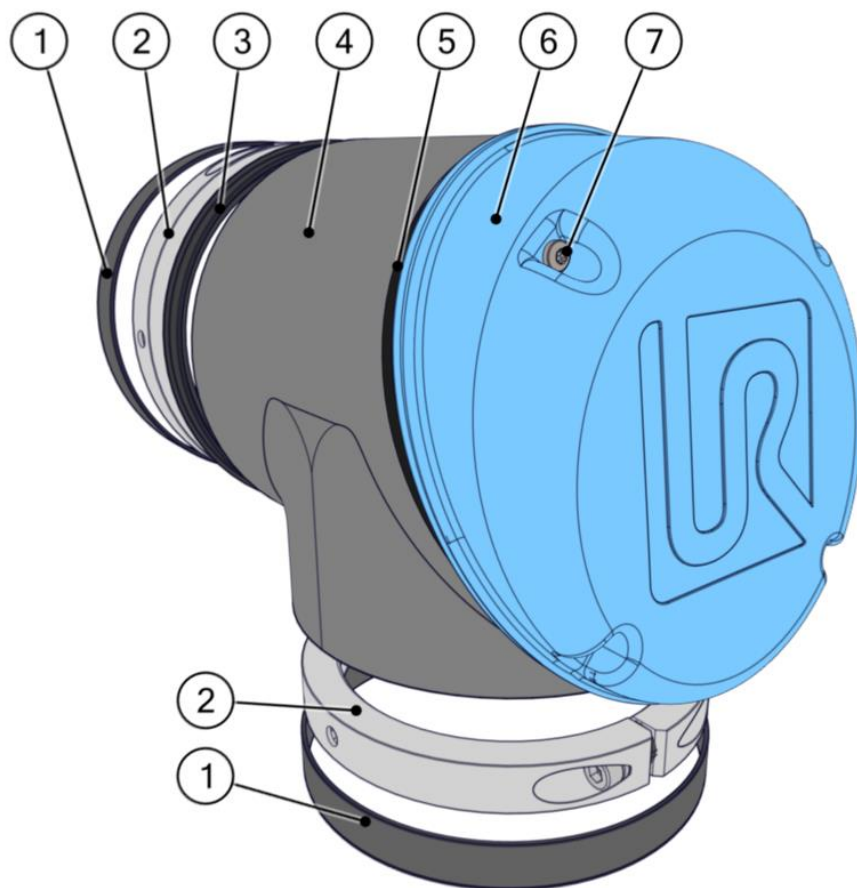
Shoulder joint for UR3e – 124021



Shoulder joint for UR3e – 124021

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 2	103703	147
2	2	Form ring for size 2	103703	147
3	1	Wear ring for size 2	103703	147
4	1	Shoulder, size 2	N/A	N/A
5	1	O-ring for lid size 2	103413	150
6	1	Lid size 2	103413	150
7	3	Screws for lid size 2	103413	150
8	20	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

Shoulder joint for UR5e – 124031

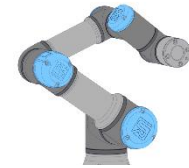
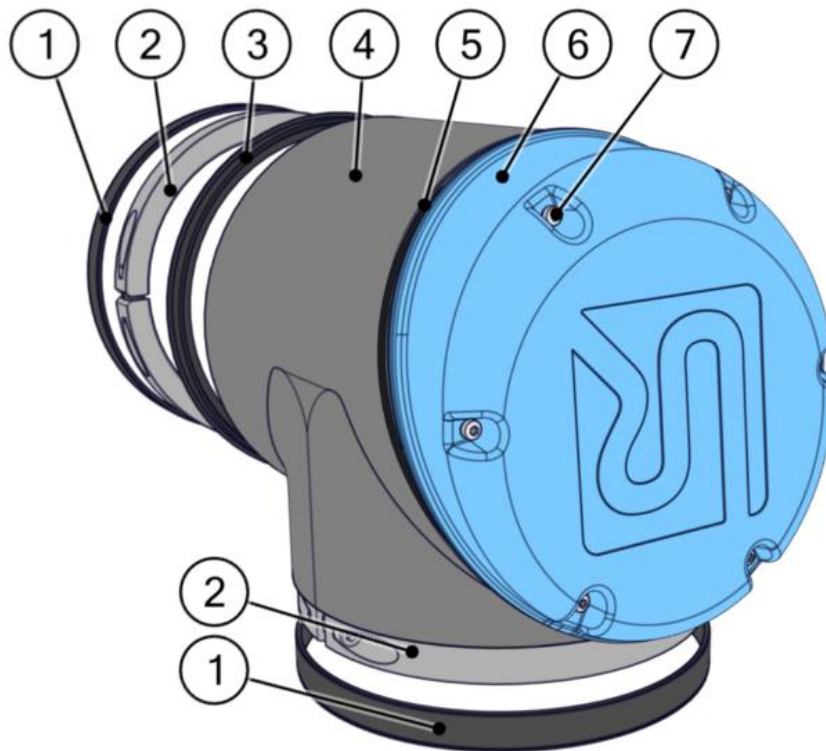


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Shoulder joint for UR5e – 124031

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 3	103705	148
2	2	Bracket connection incl. bolts and seals size 3	N/A	N/A
3	1	Wear ring size 3	103705	148
4	1	Shoulder, size 3	N/A	N/A
5	1	O-ring for lid size 3	103405	151
6	1	Lid size 3	103405	151
7	4	Screws for lid size 3	103405	151

Shoulder joint for UR10e/UR16e – 124041

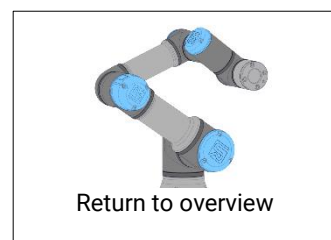
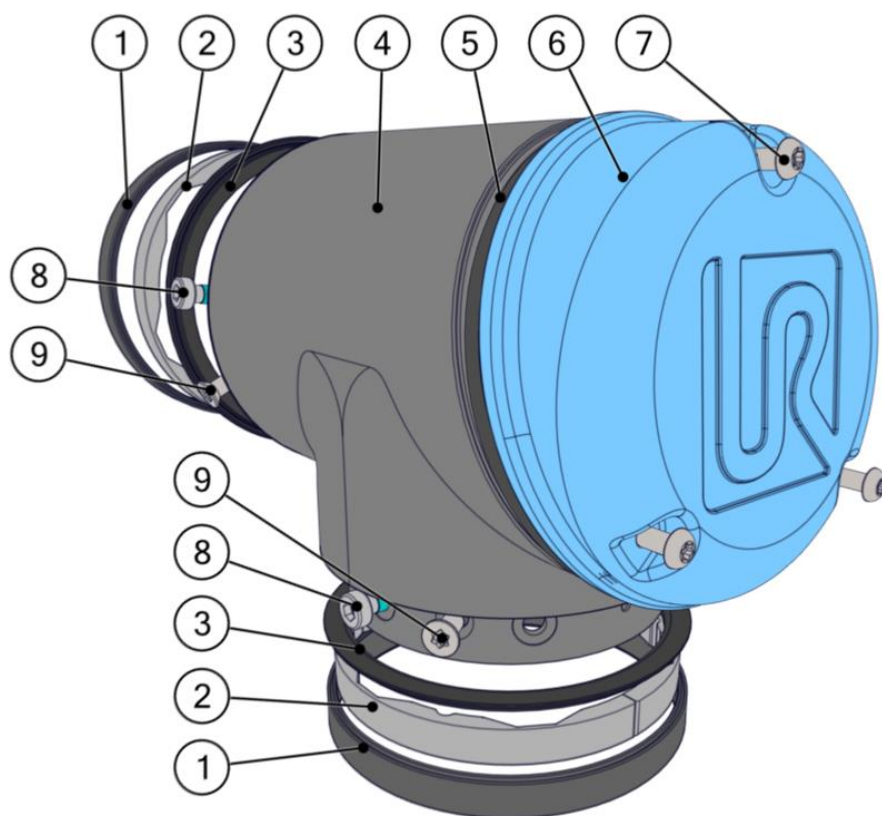


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Shoulder joint for UR10e/UR16e – 124041

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 4	103700	149
2	2	Bracket connection incl. bolts and seals size 4	N/A	N/A
3	1	Wear ring size 4	103700	149
4	1	Shoulder, size 4	N/A	N/A
5	1	O-ring for lid size 4	103410	152
6	1	Lid size 4	103410	152
7	6	Screws for lid size 4	103410	152

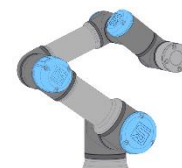
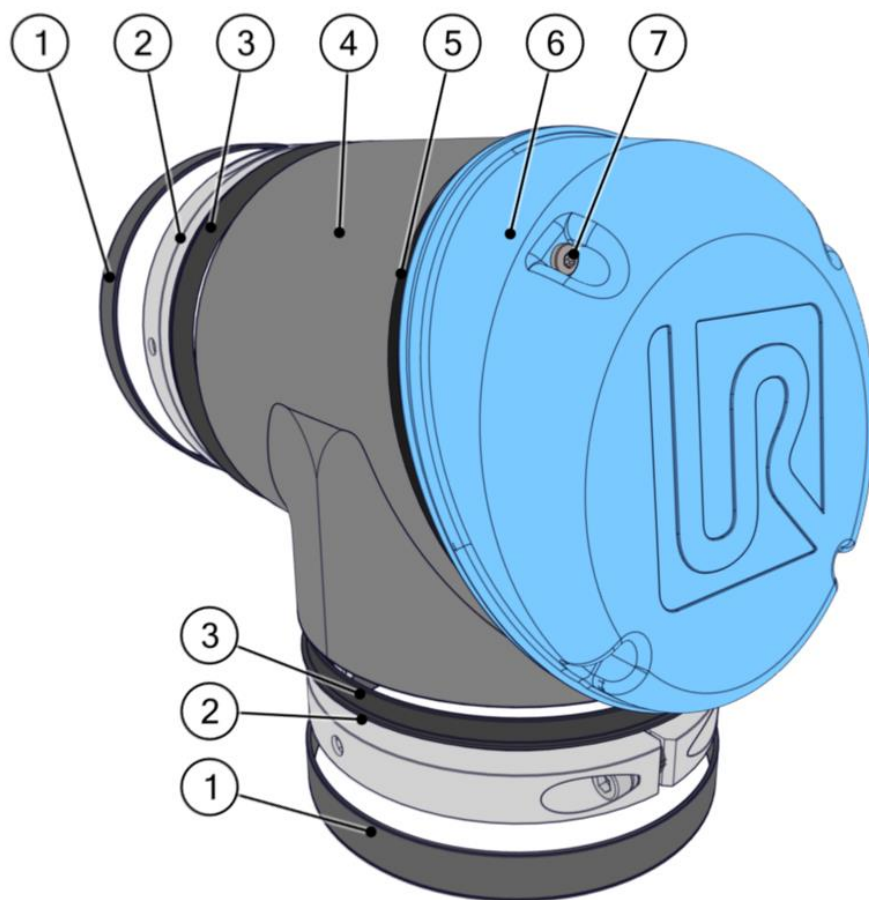
Base joint for UR3e – 124021



Base joint for UR3e – 124021

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 2	103703	147
2	2	Form ring for size 2	103703	147
3	2	Wear ring for size 2	103703	147
4	1	Base joint, size 2	N/A	N/A
5	1	O-ring for lid size 2	103413	150
6	1	Lid size 2	103413	150
7	3	Screws for lid size 2	103413	150
8	20	Screws	N/A	N/A
9	6	Screws counter sunk	N/A	N/A

Base joint for UR5e – 124031

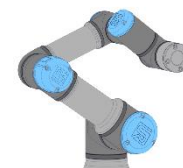
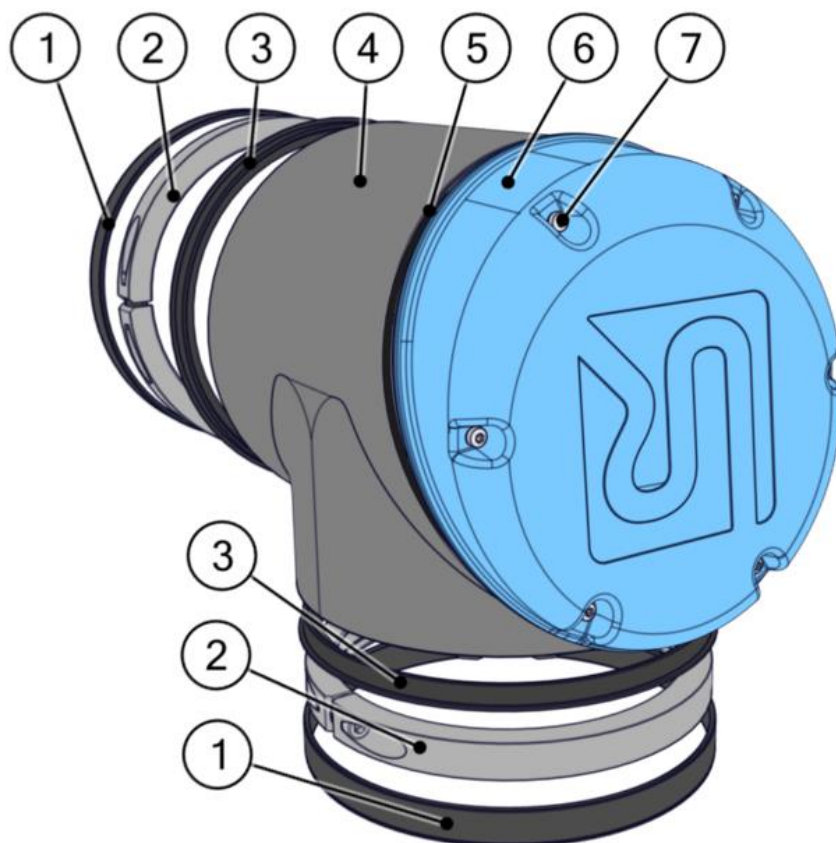


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Base joint for UR5e – 124031

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 3	103705	148
2	2	Bracket connection incl. bolts and seals size 3	N/A	N/A
3	2	Wear ring size 3	103705	148
4	1	Base joint, size 3	N/A	N/A
5	1	O-ring for lid size 3	103405	151
6	1	Lid size 3	103405	151
7	3	Screws for lid size 3	103405	151

Base joint for UR10e/UR16e –124041

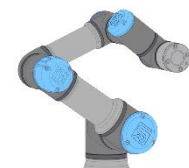
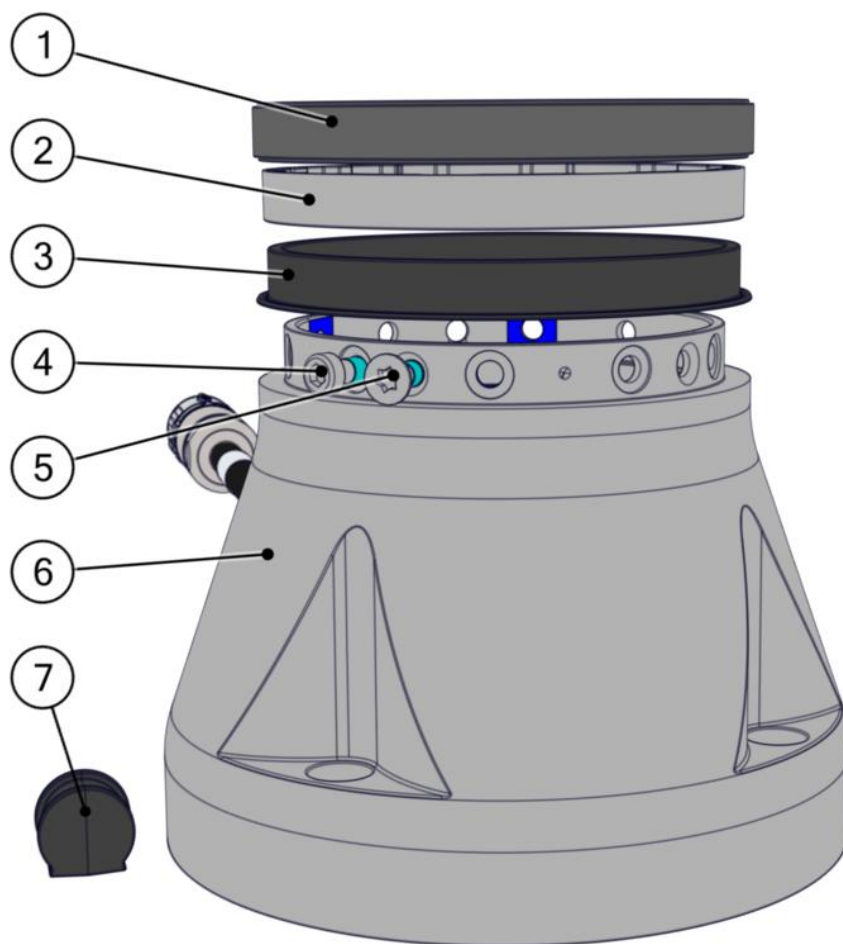


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Base joint for UR10e/UR16e –124041

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Flat ring for size 4	103700	149
2	2	Bracket connection incl. bolts and seals size 4	N/A	N/A
3	2	Wear ring size 4	103700	149
4	1	Base joint, size 4	N/A	N/A
5	1	O-ring for lid size 4	103410	152
6	1	Lid size 4	103410	152
7	6	Screws for lid size 4	103410	152

Base with Robot Arm cable for UR3e – 122083

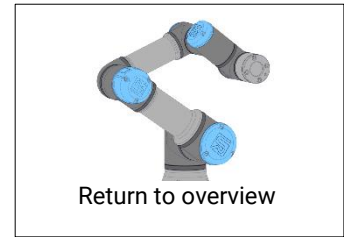
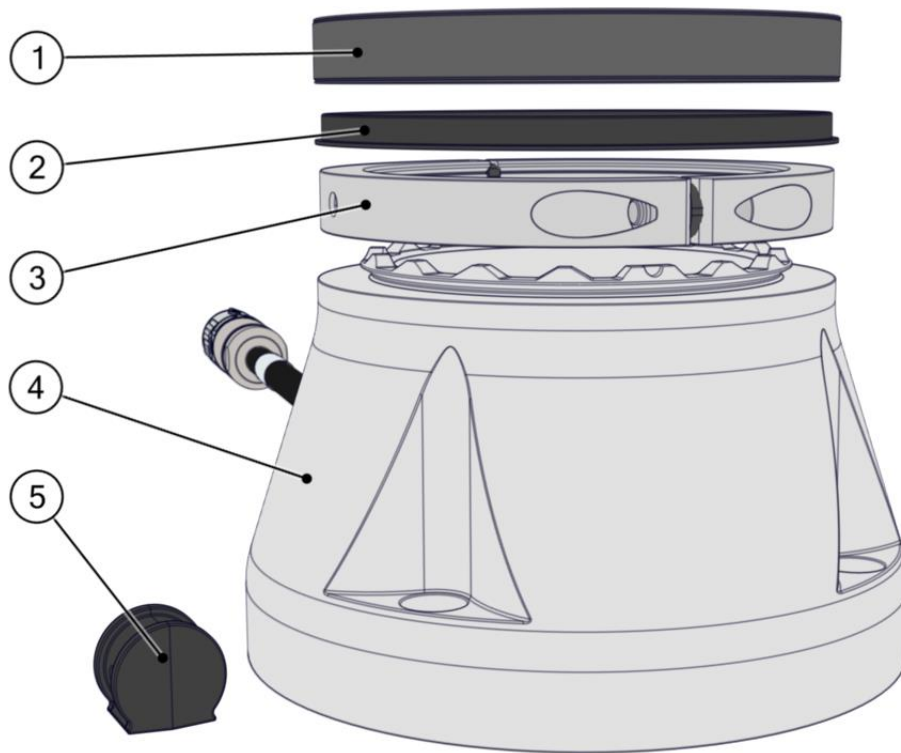


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Base with Robot Arm cable for UR3e – 122083

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Flat ring for size 2	103703	147
2	1	Form ring for size 2	103703	147
3	1	Wear ring for size 2	103703	147
4	10	Screws	N/A	N/A
5	3	Screws counter sunk	N/A	N/A
6	1	Base incl. cable, size 2	N/A	N/A
7	1	Plug for Base	N/A	N/A

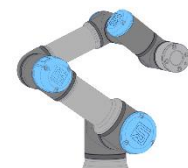
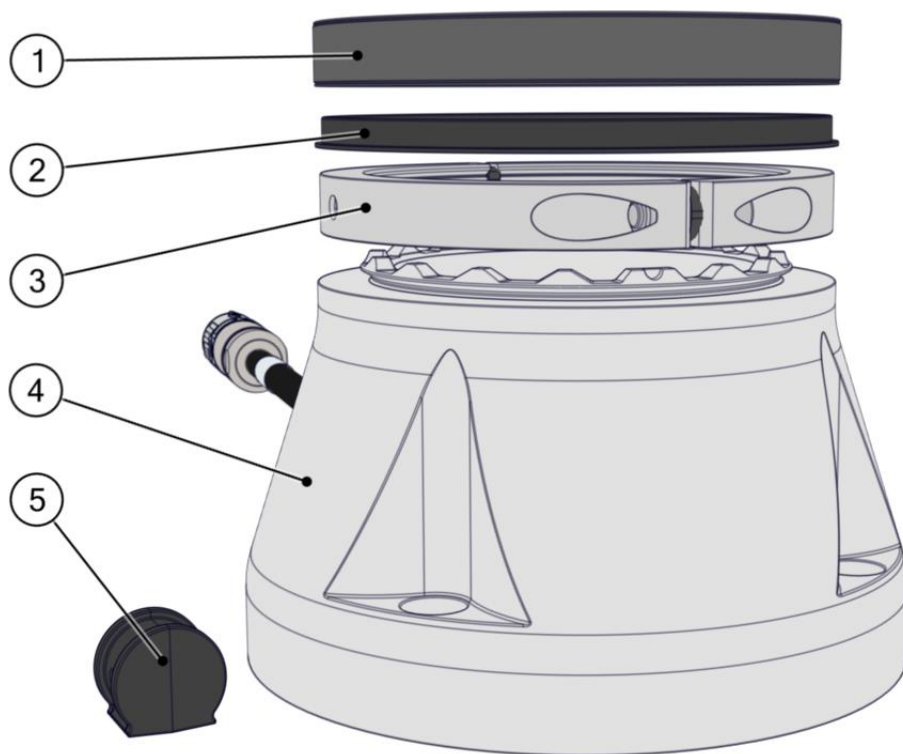
Base with Robot Arm cable for UR5e – 122085



Base with Robot Arm cable for UR5e – 122085

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Flat ring for size 3	103705	148
2	1	Wear ring for size 3	103705	148
3	1	Bracket connection incl. bolts and seals size 3	N/A	N/A
5	1	Base incl. cable, size 3	N/A	N/A
6	1	Plug for Base	N/A	N/A

Base with Robot Arm cable for UR10e/UR16e – 122080

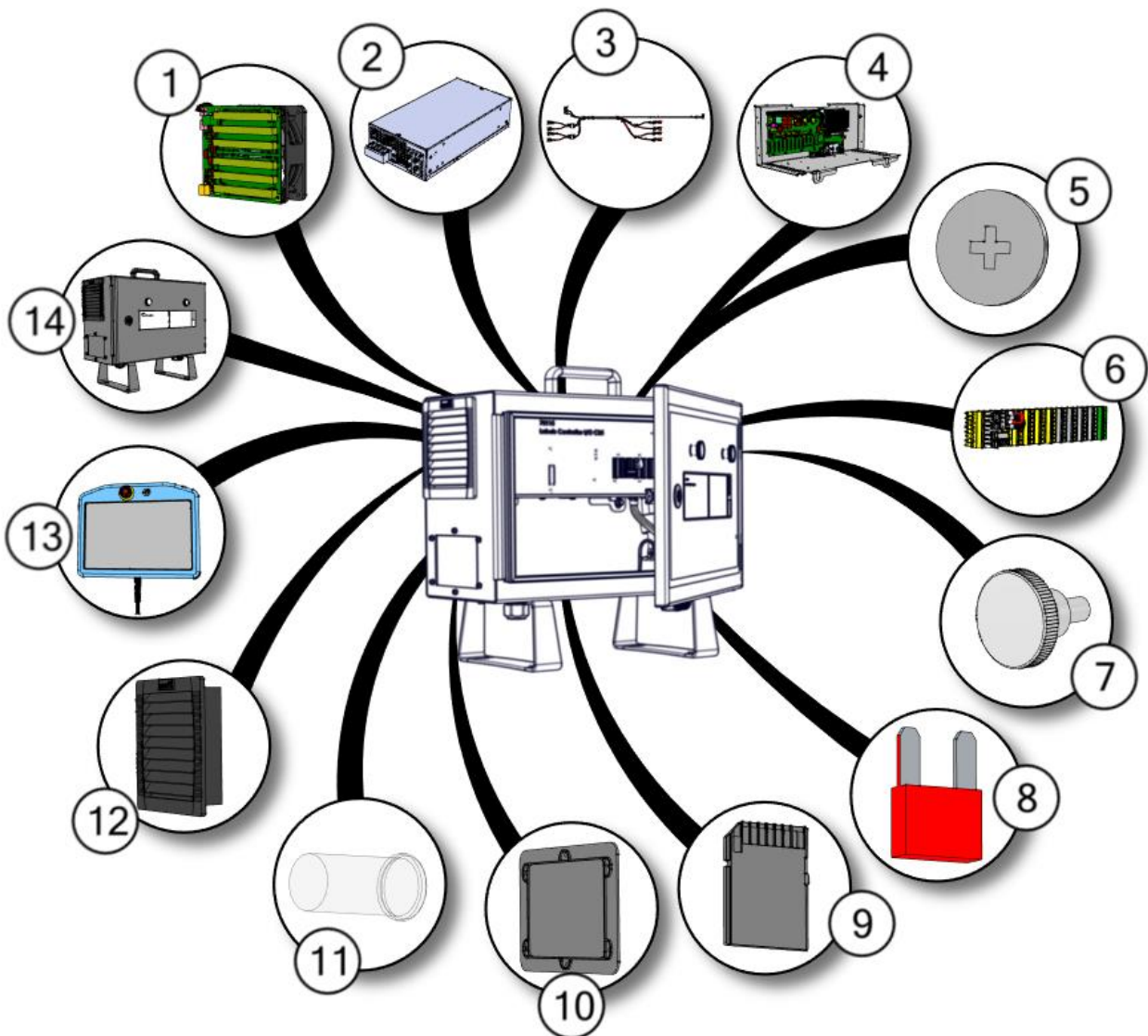


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Base with Robot Arm cable for UR10e/UR16e – 122080

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Flat ring for size 4	103700	149
2	1	Wear ring for size 4	103700	149
3	1	Bracket connection incl. bolts and seals size 4	N/A	N/A
5	1	Base incl. cable, size 4	N/A	N/A
6	1	Plug for Base	N/A	N/A

8.2 Control Box

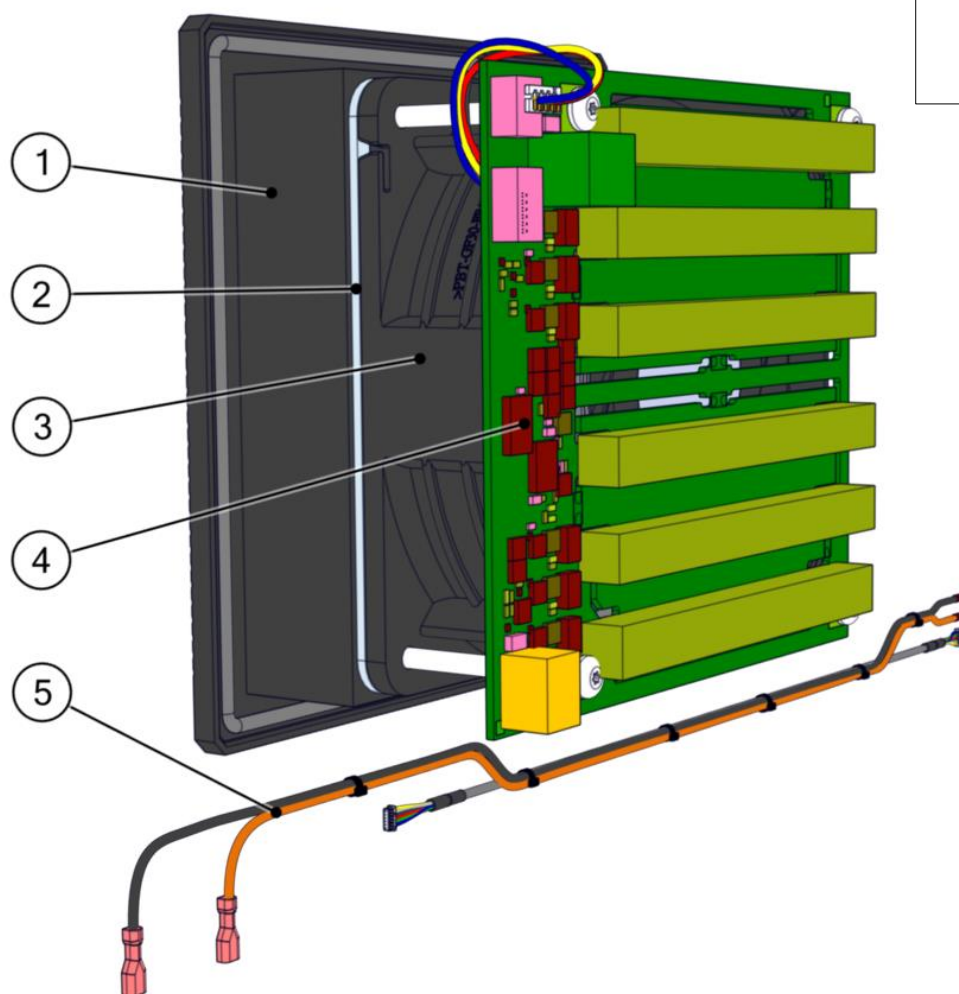
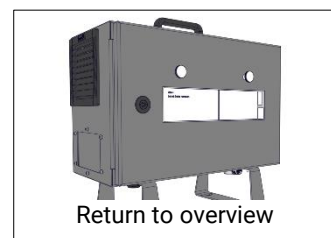


Click on the page no. in the right column to see part in detail or go to the page.

NO.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	Fan & Energy Eater	122750	181
2	Power Supply	177525/177526/177005	182
3	Wire bundle Power Supply Unit	164071/164072	184
4	Control Board	124511	185
5	Battery for Control Board	170009	186
6	Terminals for Control Board	104007	187
7	Teach Pendant and Control Box mounting bolt	105202	188
8	Fuse for Control Board	170008	189
9	SD Card for Control Board	170010/170013	190
10	Cover plate with seal for Control Box	103240	191
11	Light Pipe for Control Box	170007	192
12	Fan housing and filter for Control Box	104008/170020	193
13	Teach Pendant	124091	194
14	Control Box	124500/124510	195

NOTE: If nothing is mentioned, the parts will also fit OEM version Control Box.

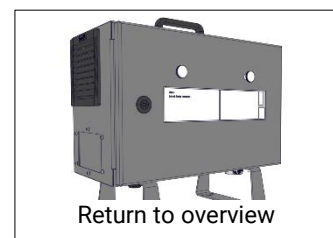
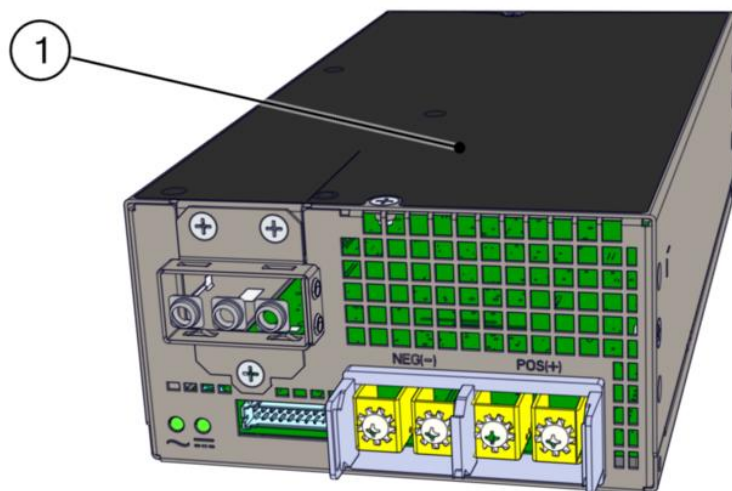
Fan & Energy Eater assembly – 122750



Fan & Energy Eater assembly – 122750

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Housing for filter incl. filter sheet	104008	193
2	1	Plate Fan Spacer Disc	N/A	N/A
3	1	Fan	N/A	N/A
4	1	Energy Eater PCB	N/A	N/A
5	1	Wire bundle	N/A	N/A

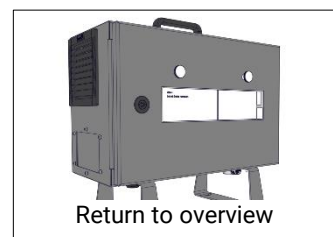
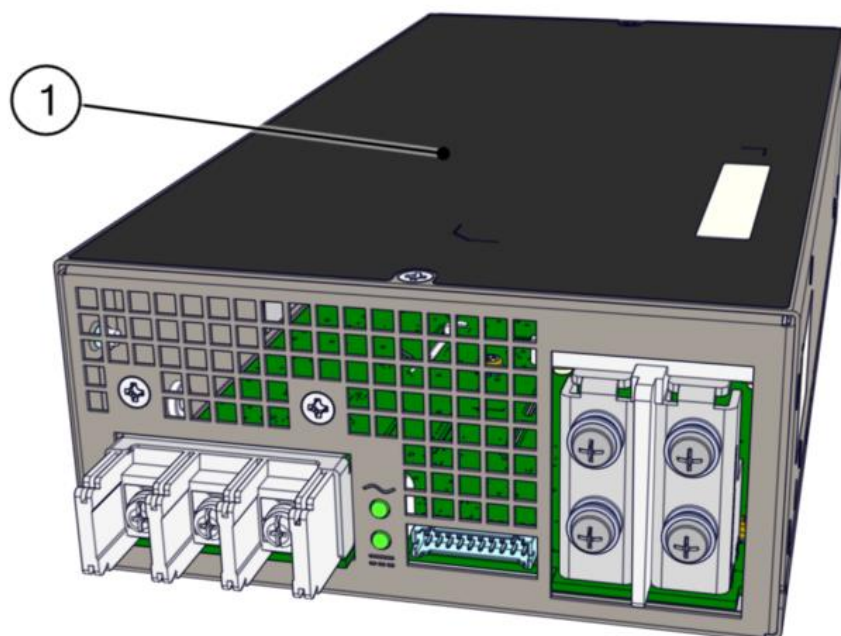
Power Supply for UR3e – 177525



Power Supply for UR3e – 177525

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Power Supply for UR3e	177525	182

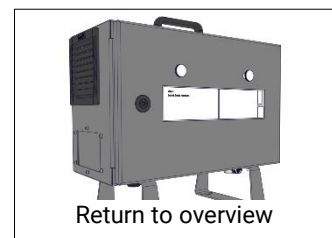
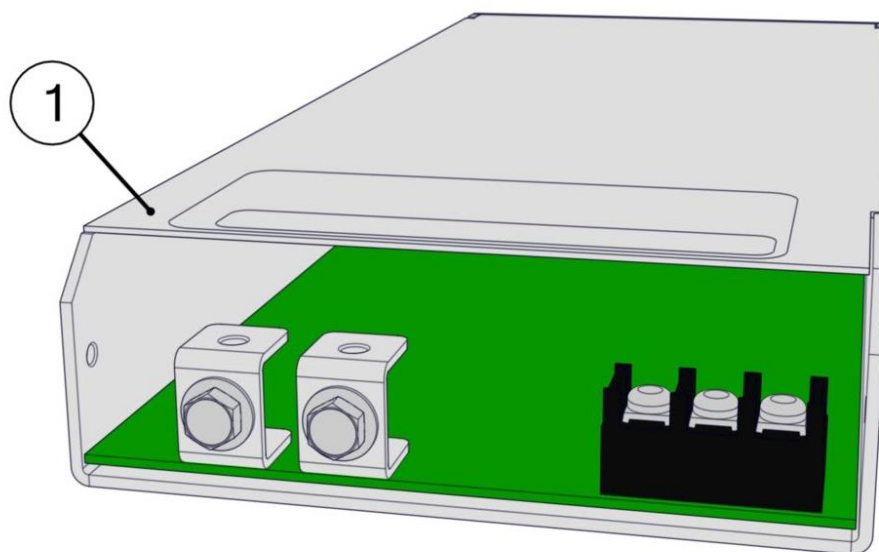
Power Supply for UR5e/UR10e/UR16e/OEM AC – 177526



Power Supply for UR5e/UR10e/UR16e/OEM AC – 177526

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Power Supply for UR5e/UR10e/UR16e/OEM AC	177526	182

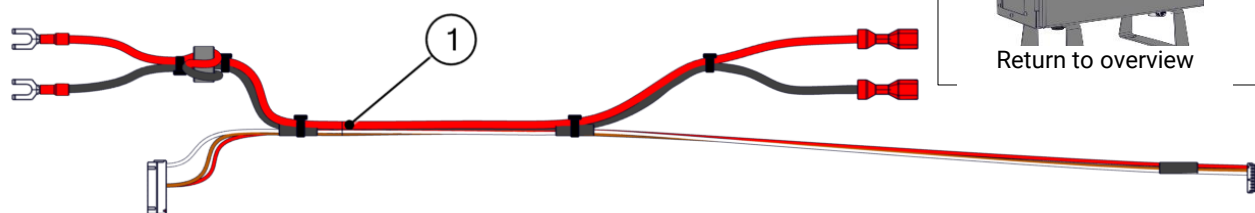
Power Supply for OEM DC – 177005



Power Supply for OEM DC – 177005

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Power Supply for OEM DC	177005	183

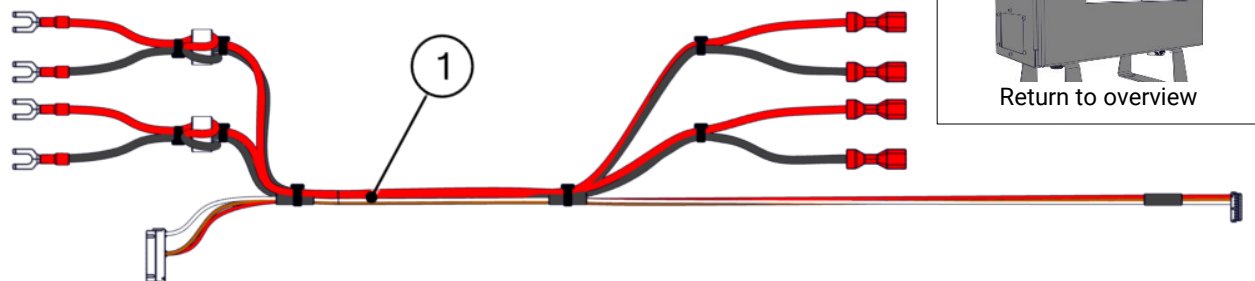
Wire bundle from Power Supply to Control Board UR3e – 164071



Wire bundle from Power Supply to Control Board UR3e – 164071

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Wire bundle from Power Supply to Control Board UR3e	164071	184

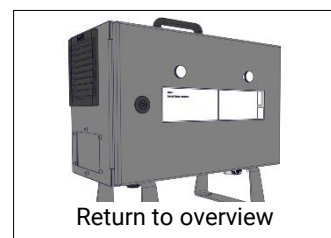
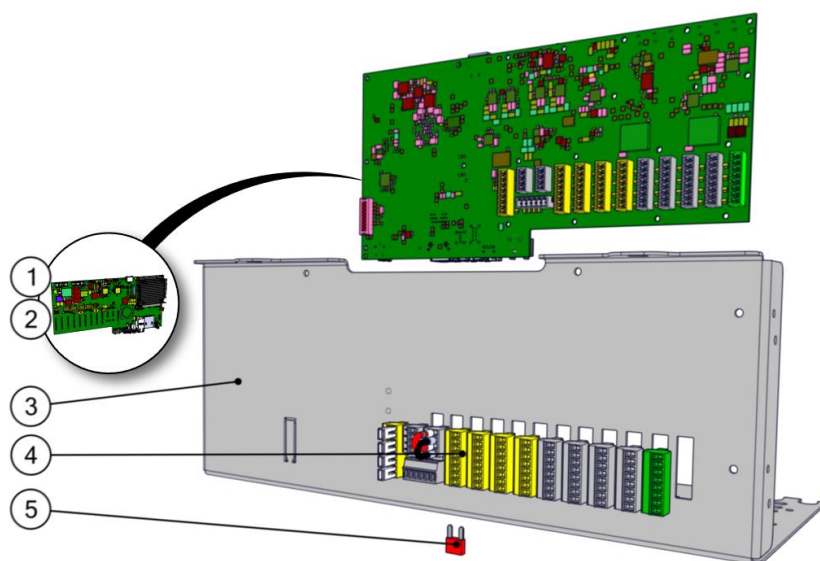
Wire bundle from Power Supply to Control Board UR5e/UR10e/UR16e/OEM AC – 164072



Wire bundle from Power Supply to Control Board UR5e/UR10e/UR16e/OEM AC – 164072

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Wire bundle from Power Supply to Control Board UR5e, UR10e, UR16e, OEM AC	164072	184

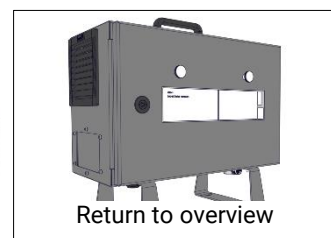
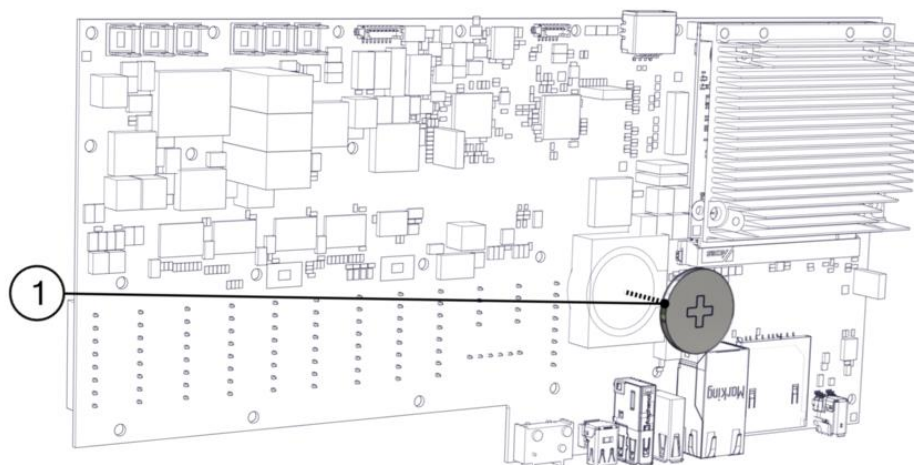
Control Board Assembly – 124511



Control Board Assembly – 124511

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Control Board PCB	N/A	N/A
2	1	Battery for Control Board PCB	170009	186
3	1	Control Board Bracket	N/A	N/A
4	1	Control Board Terminal set	104007	187
5	1	Fuse Mini Blade 10A	170008	189

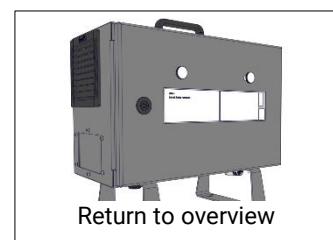
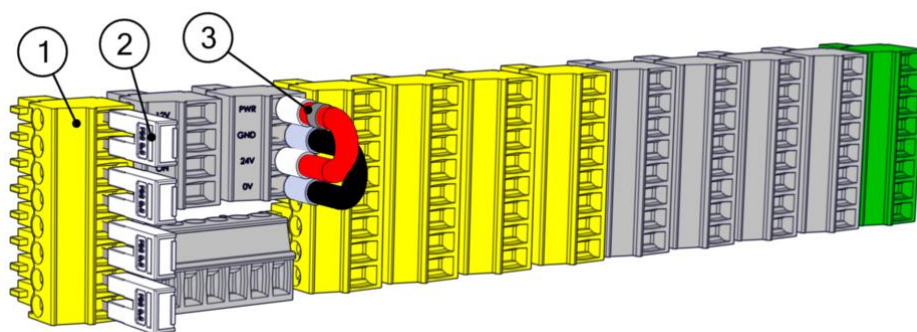
Battery for Control Board PCB - 170009



Battery for Control Board PCB - 170009

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Battery for Control Board PCB	170009	186

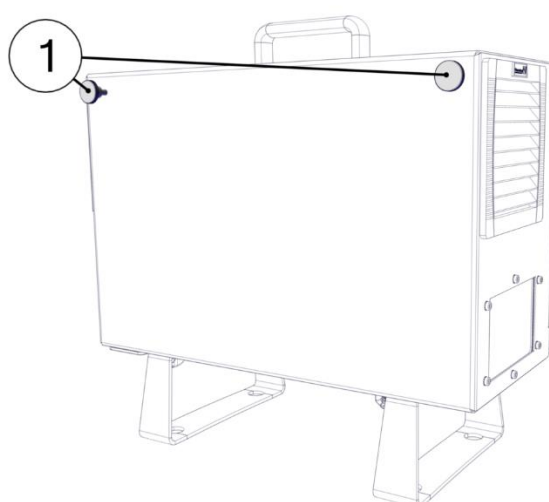
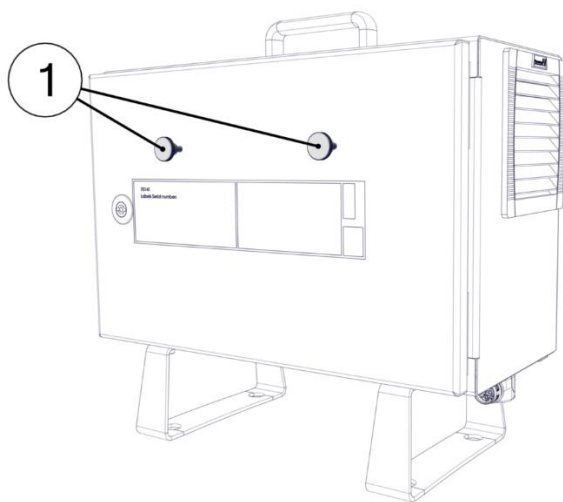
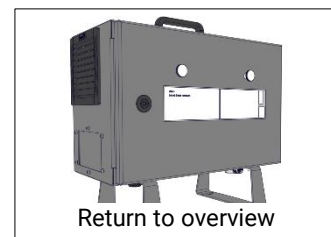
Terminal set for Control Board – 104007



Terminal set for Control Board – 104007

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	13	Terminals for Control Board	104007	187
2	4	Jumpers for Safety Terminal	N/A	N/A
3	2	Jumpers for external 24V power	N/A	N/A

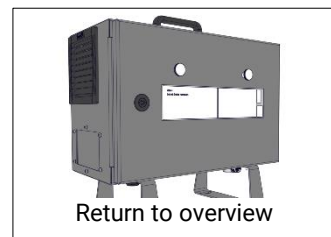
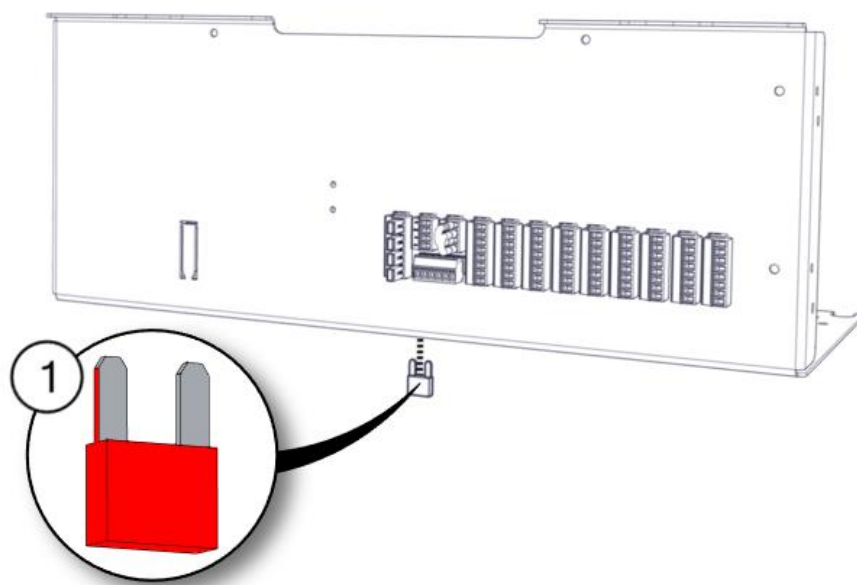
Teach Pendant and Control Box mounting bolts – 105202



Teach Pendant and Control Box mounting bolts – 105202

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	10	Teach Pendant and Control Box mounting bolts	105202	188

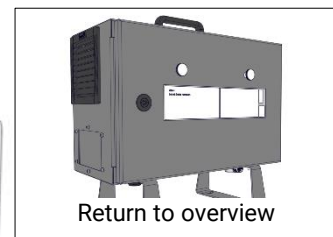
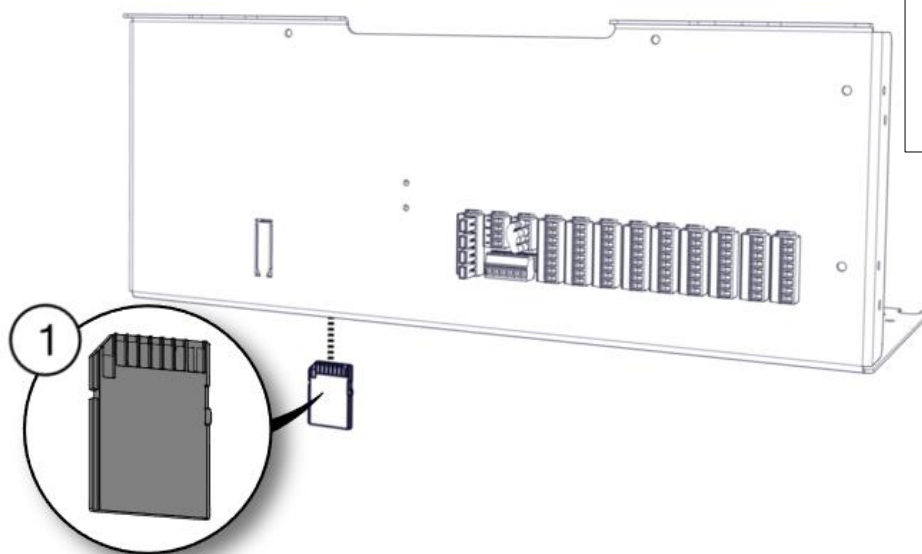
Fuse for Control Board – 170008



Fuse for Control Board – 170008

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	10	Fuse Mini Blade 10A	170008	189

SD card for Control Board – 170010/170013



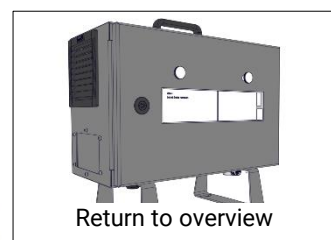
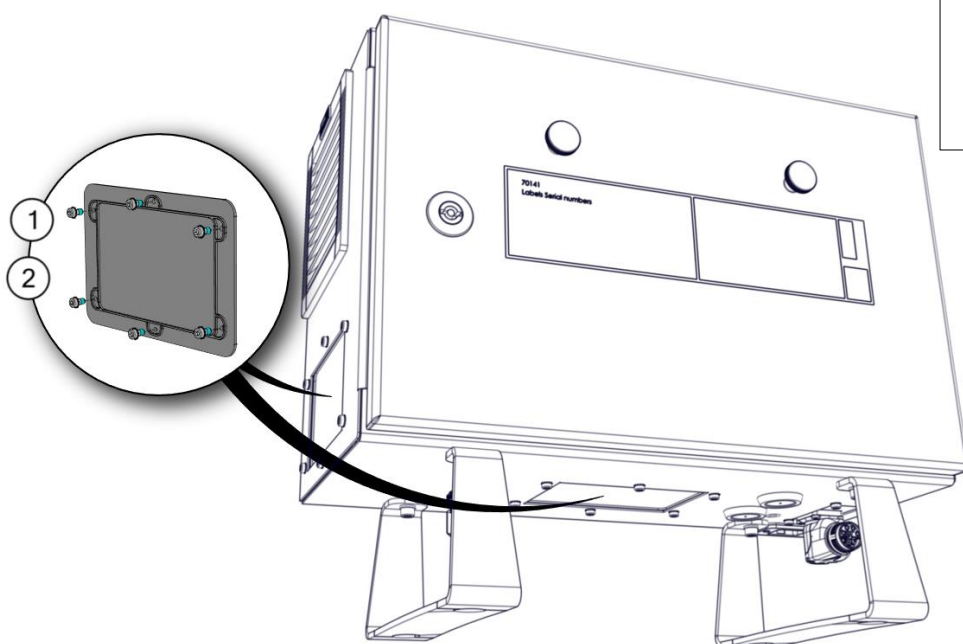
SD Card for Control Board incl. Software and License - 170010

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	SD Card for Control Board excl. software	170010	190

SD Card for Control Board excl. software - 170013

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	SD Card for Control Board incl. Software and License	170013	190

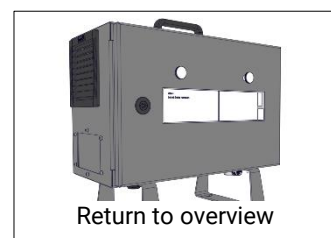
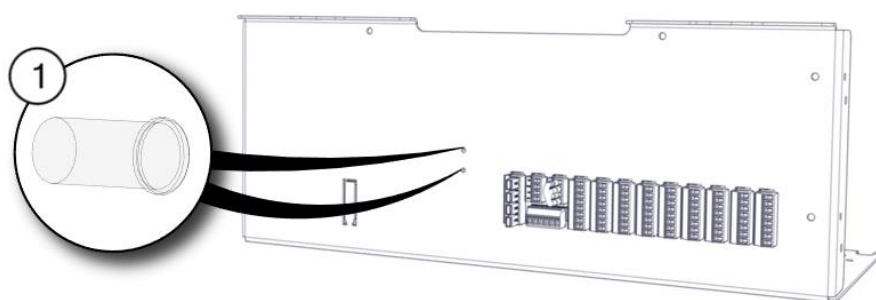
Cover plate with seal – 103240



Cover plate with seal for Control Box - 103240

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Cover plate with seal for Control Box	103240	191
2	12	Screw and tooth washer for cover plate	N/A	N/A

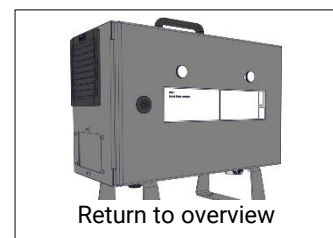
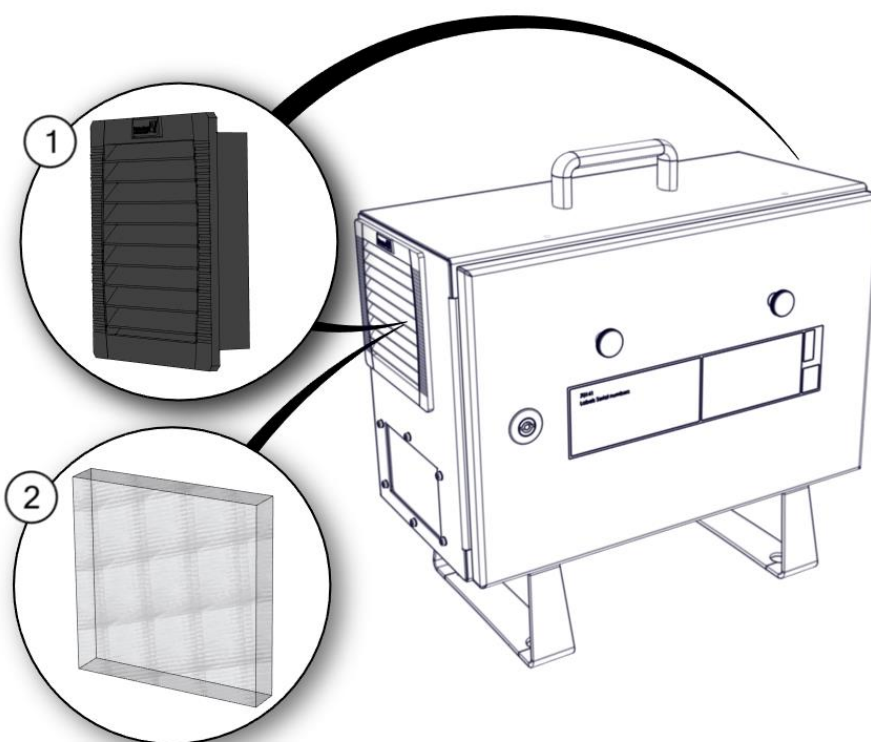
Light pipes for control box - 170007



Light pipes for control box - 170007

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	2	Light Pipes for Control Box	170007	192

Fan housing and filter for Control Box – 104008/170020



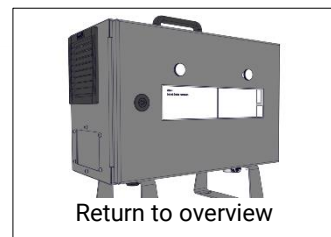
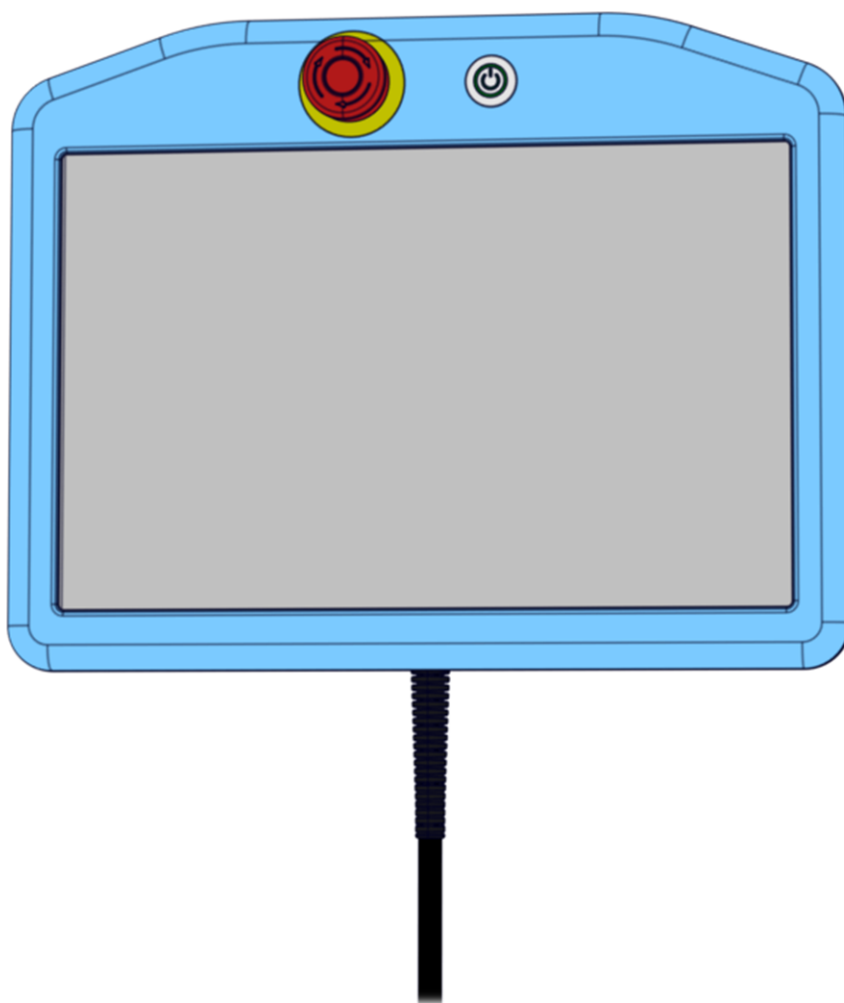
Housing and filter for Control Box incl. filter sheets - 104008

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Housing for Control Box	104008	193
2	5	Filter material sheets	170020	193

Filter material sheets - 170020

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
2	5	Filter material sheets	170020	193

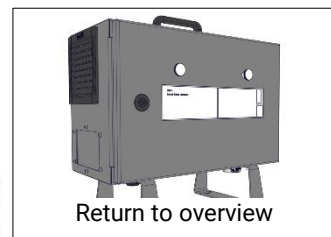
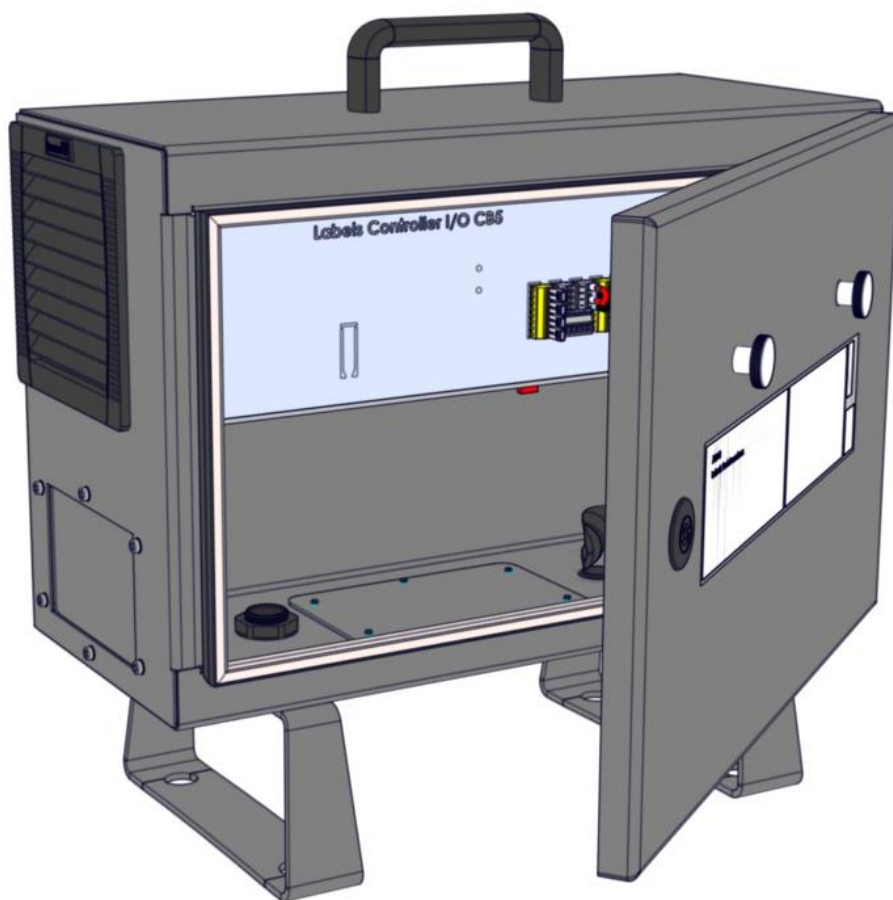
Teach Pendant - 124091



Teach Pendant - 124091

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Teach Pendant	124091	194

Control Box – 124500/124510



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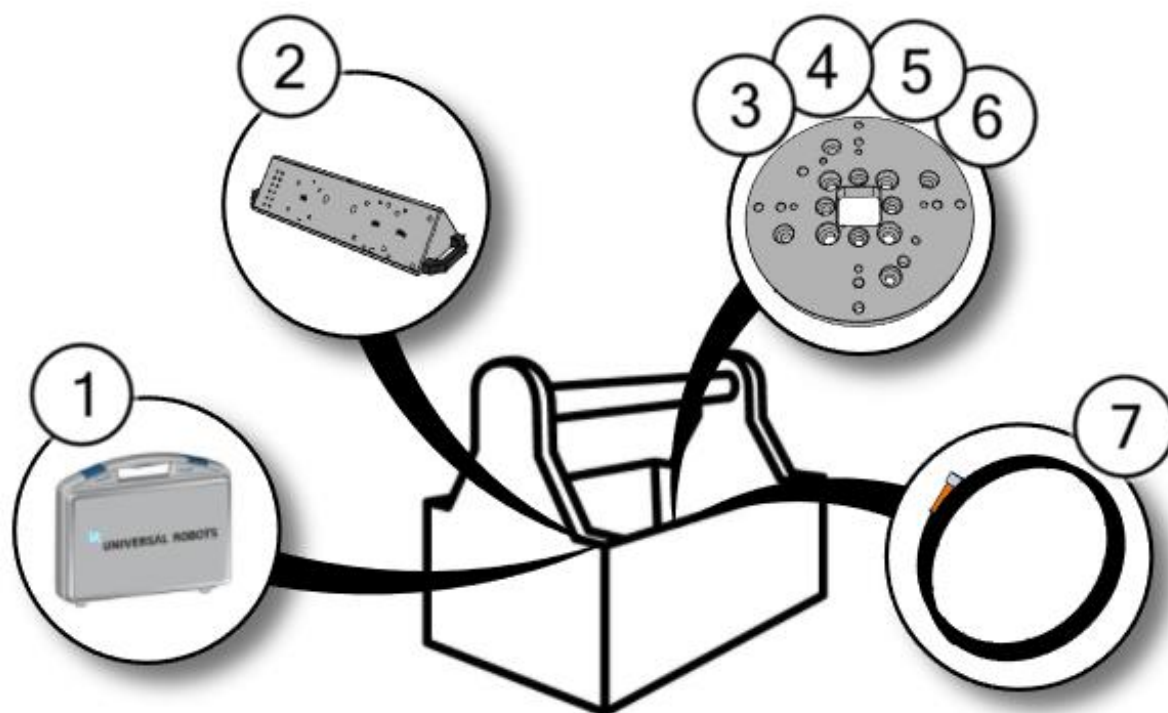
Control Box for UR3e excl. Teach Pendant - 124500

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Control Box for UR3e excl. Teach Pendant	124500	195

Control Box for UR5e/UR10e/UR16e excl. Teach Pendant - 124510

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Control Box for UR5e/UR10e/UR16e excl. Teach Pendant	124510	195

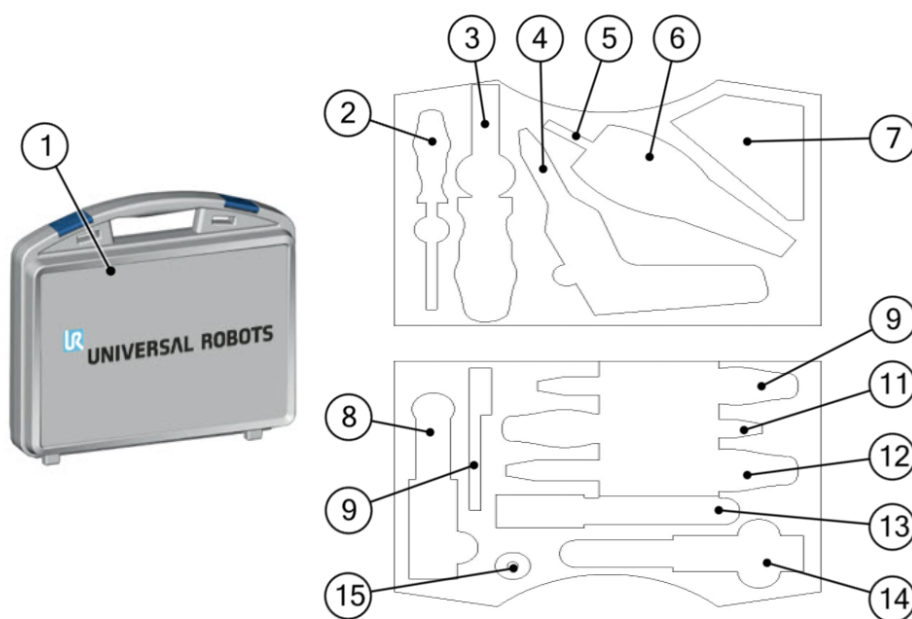
8.3 Tools



Click on the page no. in the right column to see part in detail or go to the page.

NO.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	Service Tools - UR3e/UR5e/UR10e/UR16e	109011	197
2	Dual Robot Calibration Tooling Complete	185500	198
3	Mounting plate Robot Arm UR5e (Item profile)	131501	199
4	Mounting plate Robot Arm UR5e (BOSCH profile)	131501	200
5	Mounting plate Robot Arm UR3e (Item & BOSCH profile)	131502	201
6	Mounting plate Robot Arm UR5e/UR10e/UR16e (Item & BOSCH profile)	131503	202
7	Cable for tool external	131510	203

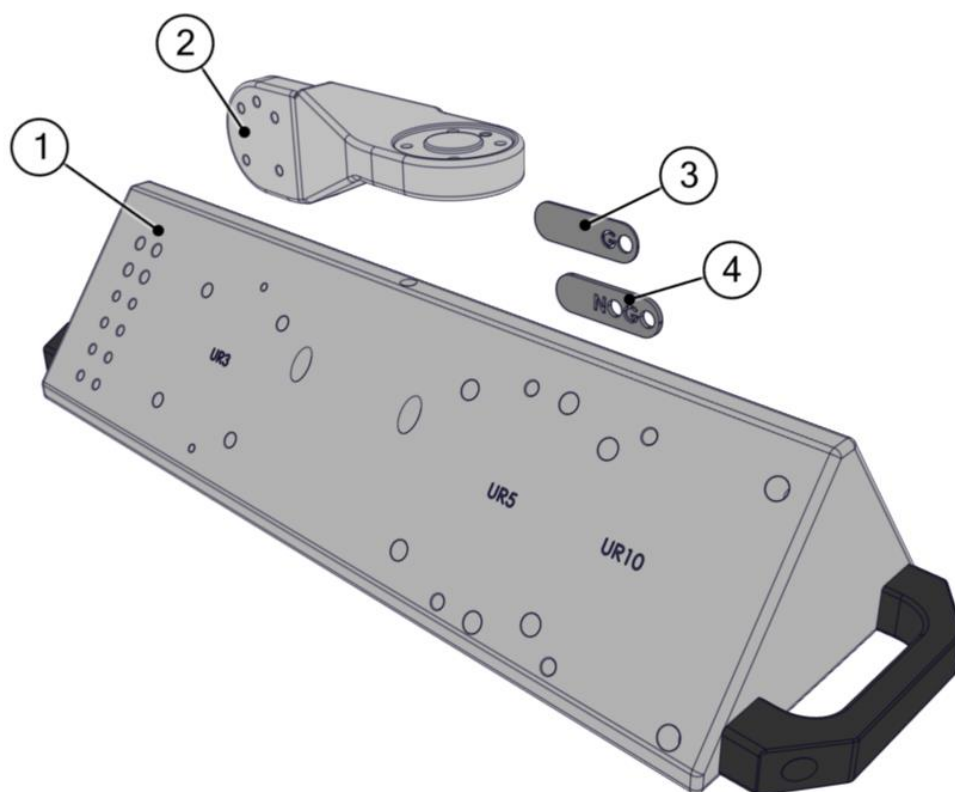
Service tool set – 109011



Service Tool set - 109011

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Service tool set	109011	197
2	1	Screwdriver Flat 2.5	N/A	N/A
3	1	Multi-bit tool incl. bits	109117	N/A
4	1	Screwdriver hex key 4mm. – 5.0Nm for e-Series	109113	N/A
5	1	Socket bit 10mm. for Control Box	109118	N/A
6	1	Needle nose pliers ESD	109122	N/A
7	1	ESD Wrist band	109180	N/A
7	1	By-pass cable	N/A	N/A
8	1	Torque wrench hex 10.0mm. – 8.0Nm for CB-Series	109107	N/A
9	1	Spanner 5.5mm.	109101	N/A
9	1	Spanner 7.0mm.	109102	N/A
9	1	Spanner 10.0mm.	109110	N/A
10	1	Torque screwdriver ESD TX8 – 0.4Nm	109114	N/A
11	1	Torque screwdriver ESD TX10 – 1.3Nm	109115	N/A
12	1	Torque screwdriver ESD TX20 – 3.0Nm	109116	N/A
13	1	Torque wrench hex 5.5mm. – 1.3Nm for CB-Series	109105	N/A
14	1	Torque wrench hex 7.0mm. – 2.6Nm for CB-Series	109106	N/A
15	1	Torx TX10 bit for 109114	109120	N/A

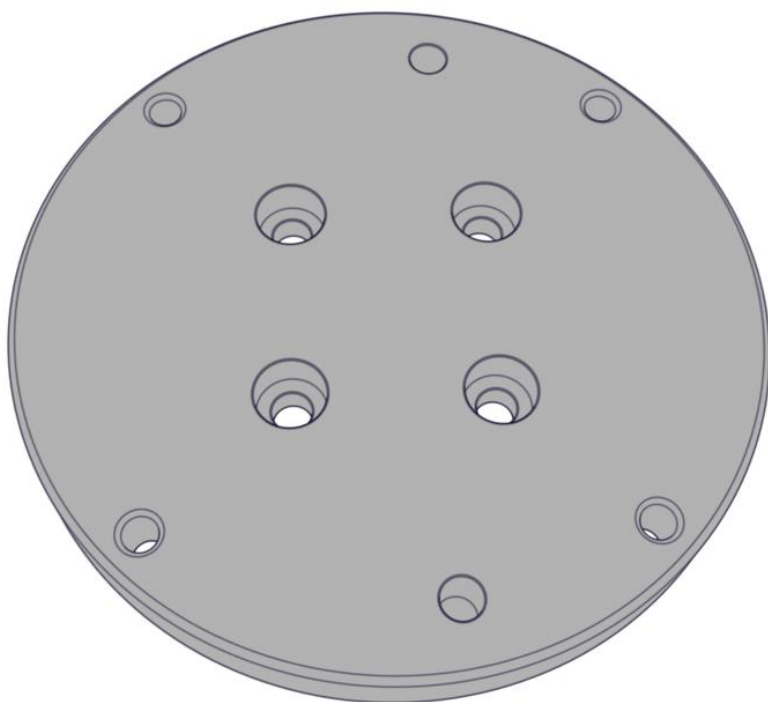
Dual Robot Calibration Tooling - 185500



Dual Robot Calibration Tooling - 185500

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Tooling Dual Robot Calibration Horse complete with mounting screws	N/A	N/A
2	1	Tooling Dual Robot Calibration Tool Connector complete with mounting screws	N/A	N/A
3	1	Tooling Calibration GO tool	N/A	N/A
4	1	Tooling Calibration NAGO tool	N/A	N/A

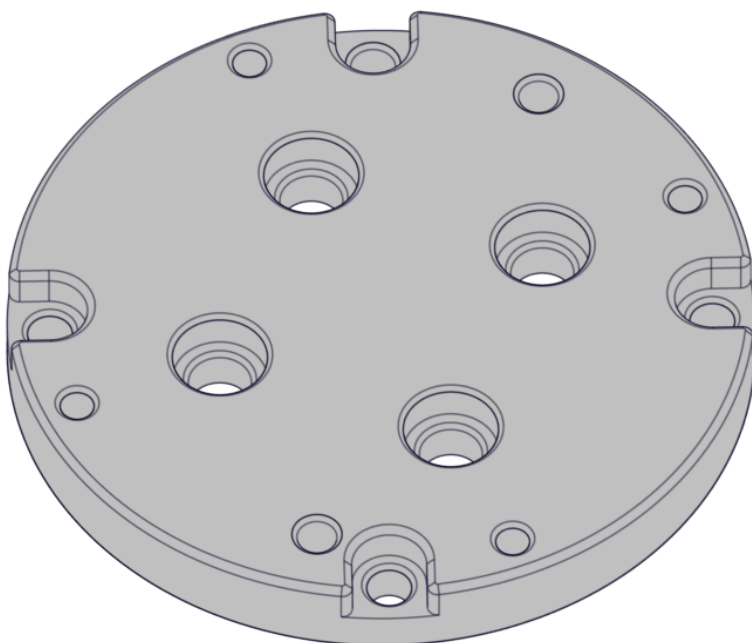
Mounting plate Robot Arm UR5e(Item profile) - 131501



Mounting plate Robot Arm UR5e(Item profile) - 131501

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Mounting plate Robot Arm UR5e(Item profile)	131501	199

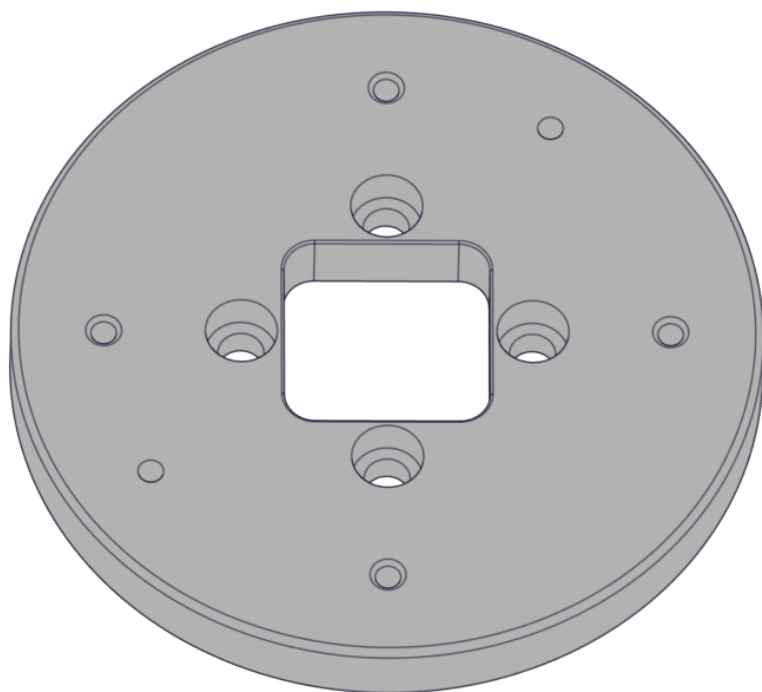
Mounting plate Robot Arm UR5e(BOSCH profile) - 131502



Mounting plate Robot Arm UR5e(BOSCH profile) - 131502

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Mounting plate Robot Arm UR5e(BOSCH profile)	131502	200

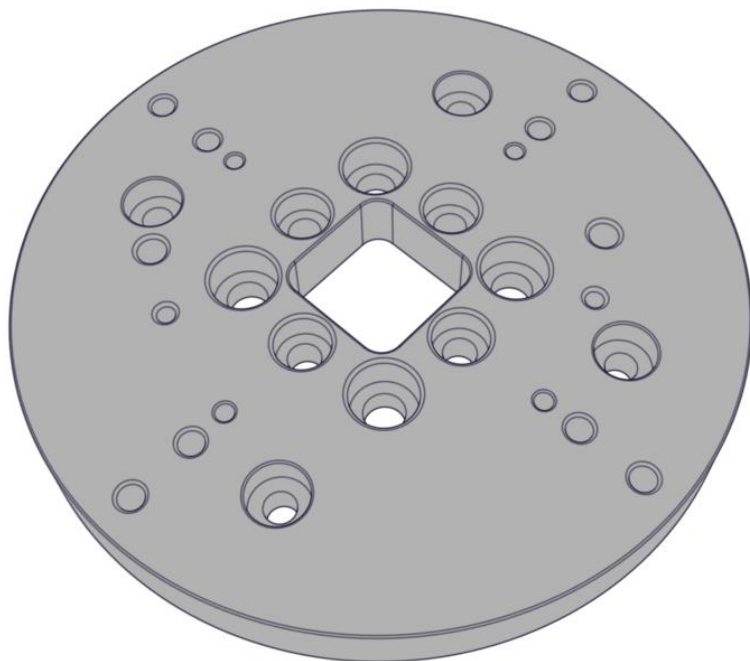
Mounting plate Robot Arm UR3e(Item & BOSCH profile) - 135103



Mounting plate Robot Arm UR3e(Item & BOSCH profile) - 135103

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Mounting plate Robot Arm UR3e (Item & BOSCH profile)	131503	201

Mounting plate Robot Arm UR5e/UR10e/UR16e(Item & BOSCH profile) - 131510



Mounting plate Robot Arm UR5e/UR10e/UR16e(Item & BOSCH profile) - 131510

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Mounting plate Robot Arm UR5e/UR10e/UR16e (Item & BOSCH profile)	131510	202

Cable for tool external - 173101



Cable for tool external - 173101

NO.	QTY.	DESCRIPTION	PART NUMBER(S)	PAGE NO.
1	1	Cable for tool external	173101	203

NOTE: Cable is with 90° bend connector – not shown on above image