Repair kit for cylinders

Standard cylinder DIN/ISO 6432 without brake
Ø12 mm - Ø25 mm | Rep. kit

Ø	Standard	Heat	Chemical
12	U1901231	U1901231-H	U1901231-C
16	U1901631	U1901631-H	U1901631-C
20	U1902031	U1902031-H	U1902031-C
25	U1902531	U1902531-H	U1902531-C

Standard cylinder DIN/ISO 6432 with brake
Ø12 mm - Ø25 mm | Rep. kit

Ø	Standard	Heat	Chemical
12	-	-	-
16	-	-	-
20	U1902032	U1902032-H	U1902032-C
25	U1902532	U1902532-H	U1902532-C

Standard cylinder DIN/ISO 15552
Ø32 mm - Ø125 mm | Rep. kit

Ø	Standard	Heat	Chemical	PTFE
32	U1903232	U1903232-H	U1903232-C	U1903232-P
40	U1904032	U1904032-H	U1904032-C	U1904032-P
50	U1905032	U1905032-H	U1905032-C	U1905032-P
63	U1906332	U1906332-H	U1906332-C	U1906332-P
80	U1908032	U1908032-H	U1908032-C	U1908032-P
100	U1910032	U1910032-H	U1910032-C	U1910032-P
125	U1912532	U1912532-H	U1912532-C	U1912532-P

Standard cylinder DIN/ISO 15552
Ø32 mm - Ø100 mm | Rep. kit | 2130

Ø	Standard
32	U1903237
40	U1904037
50	U1905037
63	U1906337
80	U1908037
100	U1910037

Compact cylinder ISO 21287
Ø20 mm - Ø100 mm | Rep. kit | 5150

Ø	Standard
20	KIT XDM020 GS
25	KIT XDM025 GS
32	KIT XDM032 GS
40	KIT XDM040 GS
50	KIT XDM050 GS
63	KIT XDM063 GS
80	KIT XDM080 GS
100	KIT XDM100 GS

Festo kompatibel cylinder
Ø32 mm - Ø63 mm | Rep. kit | 2538 / 2334

Ø	Standard	Heat	Chemical	PTFE
32	U1903232	U1903232-H	U1903232-C	U1903232-P
40	U1904032	U1904032-H	U1904032-C	U1904032-P
50	U1905032	U1905032-H	U1905032-C	U1905032-P
63	U1906332	U1906332-H	U1906332-C	U1906332-P

Festo kompatibel cylinder
Ø32 mm - Ø63 mm | Rep. kit | 1112

Ø	Standard	Chemical	PTFE
32	U1903233	U1903233-C	U1903233-P
40	U1904033	U1904033-C	U1904033-P
50	U1905033	U1905033-C	U1905033-P
63	U1906333	U1906333-C	U1906333-P

Theoretical cylinder forces

UNIC STAINLESS CYLINDER

Theoretical cylinder forces given in Newton

Ø	Piston rod Ø	Piston area cm²		3 bar		4 bar		5 bar		6 bar		7 bar		8 bar		9 bar		10 bar	
		•	○	•	○	•	○	•	○	•	○	•	○	•	○	•	○	•	○
12	6	1,1	0,8	29	22	39	30	48	37	58	45	68	52	77	60	87	67	97	75
16	6	2,0	1,7	53	46	70	61	88	76	106	91	123	107	141	122	158	137	176	152
20	8	3,1	2,6	82	69	109	92	136	114	164	137	191	160	218	183	246	206	273	229
25	10	4,9	4,1	129	108	172	144	216	180	259	216	302	253	345	289	388	325	421	361
32	12	8,0	6,9	212	182	282	243	352	304	422	364	493	425	563	486	634	546	704	607
40	16	12,6	10,6	333	282	444	373	554	466	665	560	776	653	887	746	998	840	1109	933
50	20	19,6	16,5	517	436	690	581	862	726	1035	871	1207	1016	1380	1162	1552	1307	1725	1452
63	20	31,1	28,0	824	739	1098	986	1373	1232	1647	1478	1923	1725	2196	1971	2471	2218	2746	2464
80	25	50,3	45,3	1328	1199	1771	1598	2213	1998	2656	2397	3098	2797	3541	3196	3984	3596	4426	3995
100	25	78,5	73,6	2072	1943	2763	2591	3454	3238	4145	3886	4836	4534	5526	5181	6217	5829	6908	6477
125	32	122,7	114,6	3239	3028	4319	4037	5399	5047	6479	6056	7558	7066	8638	8075	9718	9084	10798	10094

• = Cylinder in plus direction ○ = Cylinder in minus direction

Air consumption in Nl / double stroke

Ø	Piston rod Ø	Stroke mm	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar
12	6	100	0,08	0,10	0,12	0,14	0,16	0,18	0,20	0,22
16	6	100	0,15	0,19	0,22	0,26	0,30	0,33	0,37	0,41
20	8	100	0,23	0,29	0,34	0,40	0,46	0,51	0,57	0,63
25	10	100	0,36	0,45	0,54	0,63	0,71	0,80	0,89	1,00
32	12	100	0,59	0,74	0,89	1,00	1,20	1,30	1,50	1,60
40	16	100	0,92	1,10	1,40	1,60	1,80	2,10	2,30	2,50
50	20	100	1,40	1,80	2,10	2,50	2,90	3,20	3,60	3,90
63	20	100	2,30	2,90	3,50	4,10	4,70	5,30	5,90	6,40
80	25	100	3,80	4,70	5,70	6,60	7,60	8,50	9,50	10,40
100	25	100	6,00	7,50	9,00	10,50	12,00	13,50	15,00	16,60
125	32	100	9,40	11,80	14,10	16,40	18,80	21,10	23,50	25,80