

NUMBER	NUMBER OF ITEMS	CAD FILE	DESCRIPTION / PRODUCT ID	MANUFACTURER	LINK TO THIRD-PARTY COMPONENT
11	1	11_rack_chamber			
12	1	12_flat_seal_back		Lisema	<a href="#">Link</a>
13	2	13_flat_seal_side		Lisema	<a href="#">Link</a>
14	2	14_flat_seal_top_bottom		Lisema	<a href="#">Link</a>
15	1	15_seal_door		Lisema	<a href="#">Link</a>
161	1	161_bottom_plate			
162	1	162_bottom_plate_changeable			
171	1	171_top_plate			
172	1	172_top_plate_changeable			
173	1	173_flat_seal_top_plate_changeable		Lisema	<a href="#">Link</a>
174	1	174_dummy_scanner_flange		EOS	
1751	1	1751_cover			
1752	4	1752_seal_ISO 3601-1 - B 0690 G	O-ring		
1753	1	1753_flir_window_glas		Impex HighTech GmbH	
176	1	176_flir_camera	dummy part		
1772	1	1772_cover			
1773	1	1773_ot_window_glas		Impex HighTech GmbH	
1781	1	1781_aluminium_breadboard_450x600x1 2.7_MB3030		Thorlabs	<a href="#">Link</a>
179	1	179_scanner_flange	EOS M270 flange	EOS	
17A1	2	17A1_strut_profile_20X20_492	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17A2	3	17A2_strut_profile_20X20_629	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17A3	1	17A3_strut_profile_20X20_135	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17A4	2	17A4_strut_profile_20X20_463	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17A5	1	17A5_strut_profile_20X20_484	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17A6	1	17A6_strut_profile_20X20_D108	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17A7	1	17A7_strut_profile_20X20_D50	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17A8	1	17A8_strut_profile_20X20_D70	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17A9	1	17A9_strut_profile_20X20_343	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17AA	2	17AA_strut_profile_20X20_271	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17AB	6	17AB_strut_profile_20X20_473	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17AC	1	17AC_strut_profile_20X20_296	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17AD	2	17AD_strut_profile_20X20_110	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17AE	2	17AE_strut_profile_20X20_604	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
17AF	1	17AF_handle	GN 328.5-140-B-GS	GanterNorm	<a href="#">Link</a>
17AG	2	17AG_profile_60x60_300			
17AH	2	17AH_profile_60x60_350			
17AI	2	17AI_hinge			
17AJ	1	17AJ_sheet_front			
17AK	1	17AK_sheet_top			
17AL	2	17AL_sheet_side			
17AM	1	17AM_sheet_back			
17B	1	17B_dummy_oxygen_sensor_A19N		Angst + Pfister	<a href="#">Link</a>
181	1	181_right_side_plate			
191	1	191_left_side_plate			
192	1	192_pressure_relief_valve	120VUS040	Pfeiffer Vacuum	<a href="#">Link</a>
193	16	193_clamp_ISO_KF_DN40		Wissel GmbH	<a href="#">Link</a>
194	3	194_centering_ring_ISO_KF_DN40		Wissel GmbH	<a href="#">Link</a>

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195	2	195_blind_flange_ISO_KF_DN40		Wissel GmbH	<a href="#">Link</a>
1A1	1	1A1_back_plate			
1A2	1	1A2_flange_schlieren_imaging			
1A3	1	1A3_mounting_plate_flow_rectifier			
1A41	1	1A41_SM2A53-Step	SM2A53 Adapter: External M52x0,75; Internal SM2 Threads	Thorlabs	<a href="#">Link</a>
1A42	1	1A42_flange_schlieren_imaging			
1A51	1	1A51_seal		Lisema	<a href="#">Link</a>
1A52	1	1A52_cover			
1B1	1	1B1_door_plate			
1B2	1	1B2_handle	GN 328.5-140-B-GS	GanterNorm	<a href="#">Link</a>
1B3	1	1B3_flange_schlieren_imaging			
1B41	1	1B41_glas		Laservision	
1B42	2	1B42_seal		Lisema	<a href="#">Link</a>
1B43	1	1B43_frame			
1B51	1	1B51_SM2A53-Step	SM2A53 Adapter: External M52x0,75; Internal SM2 Threads	Thorlabs	<a href="#">Link</a>
1B52	1	1B52_flange_schlieren_imaging			
1B61	1	1B61_seal		Lisema	<a href="#">Link</a>
1B62	1	1B62_cover			
1C0	2	1C0_clamp_GN 820_2-230-MFC	GN 820.2-Toggle clamps, Type MFC, U-bar version, with two flanged washers and GN spindle assembly	GanterNorm	<a href="#">Link</a>
1D1	2	1D1_part_1	door hinge	Pfeiffer Vacuum	
1D2	2	1D2_part_2	door hinge	Pfeiffer Vacuum	
1D3	2	1D3_part_3	door hinge	Pfeiffer Vacuum	
1E	2	1E_adapter_hinge			
21	1	21_seal_top	flat seal with radii	Lisema	<a href="#">Link</a>
22	1	22_seal_bottom	flat seal with radii	Lisema	<a href="#">Link</a>
23	2	23_seal_back_front	flat seal with radii	Lisema	<a href="#">Link</a>
24	2	24_seal_left_right	flat seal with radii	Lisema	<a href="#">Link</a>
25	1	25_frame_z_axis			
261	1	261_left_side_plate			
262	4	262_clamp_ISO_KF_DN40		Wissel GmbH	<a href="#">Link</a>
271	1	271_right_side_plate			
272	1	272_fluid_feedthrough			
273	4	273_centering_ring_ISO_KF_DN16		Wissel GmbH	<a href="#">Link</a>
274	1	274_electricity_feedthrough			
275	4	275_blind_flange_ISO_KF_DN16		Wissel GmbH	<a href="#">Link</a>
276	8	276_clamp_ISO_KF_DN16		Wissel GmbH	<a href="#">Link</a>
281	1	281_front_plate			
291	1	291_back_plate			
2A1	1	2A1_bottom			
2A2	1	2A2_back_plate			
2A3	1	2A3_slide_HGL15CA2R600Z0H_part_1	linear guide slide	Hiwin	<a href="#">Link</a>
2A4	3	2A4_slide_HGL15CA2R600Z0H_part_2	linear guide slide	Hiwin	<a href="#">Link</a>

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2A51	2	2A51_linear_guide_HGL15CA2R600Z0H	linear guide rail	Hiwin	<a href="#">Link</a>
2A6	1	2A6_left_plate			
2A7	1	2A7_right_plate			
2A8	1	2A8_left_distance_piece			
2A9	1	2A9_right_distance_piece			
2AA	1	2AA_left_support_plate			
2AB	1	2AB_right_support_plate			
2AC1	1	2AC1_part_1	axis bearing bottom		
2AC2	1	2AC2_part_2	axis bearing bottom		
2AC3	1	2AC3_part_3	axis bearing bottom		
2AC4	1	2AC4_part_4	axis bearing bottom		
2AC5	1	2AC5_part_5	axis bearing bottom		
2AC6	1	2AC6_part_6	axis bearing bottom		
2AC7	1	2AC7_part_7	axis bearing bottom		
2AC8	1	2AC8_part_8	axis bearing bottom		
2AC9	1	2AC9_part_9	axis bearing bottom		
2AD1	1	2AD1_part_1	axis bearing top		
2AD2	1	2AD2_part_2	axis bearing top		
2AD3	1	2AD3_part_3	axis bearing top		
2AD4	1	2AD4_part_4	axis bearing top		
2AD5	1	2AD5_part_5	axis bearing top		
2AD6	1	2AD6_part_6	axis bearing top		
2AD7	1	2AD7_part_7	axis bearing top		
2AD8	1	2AD8_part_8	axis bearing top		
2AD9	1	2AD9_part_9	axis bearing top		
2ADA	1	2ADA_part_A	axis bearing top		
2ADB	1	2ADB_part_B	axis bearing top		
2ADC	1	2ADC_part_C	axis bearing top		
2AE	1	2AE_glass_scale_slide	S5/0500 K+C glass scale S5 - measuring range 520 mm: slide	K+C	<a href="#">Link</a>
2AF1	1	2AF1_track	S5/0500 K+C glass scale S5 - measuring range 520 mm: track	K+C	<a href="#">Link</a>
2AG	1	2AG_cover_plate			
2AH	1	2AH_connection_mount			
2AI	1	2AI_connection_axis	R16-05T3-DEB-401-490- 0,023+E1_S21-10+E2_S11- 10+MR_E2_FILE_1: connection axis	Karl Hipp GmbH	<a href="#">Link</a>
2AJ1	1	2AJ1_axis	R16-05T3-DEB-401-490- 0,023+E1_S21-10+E2_S11- 10+MR_E2_FILE_1: axis	Karl Hipp GmbH	<a href="#">Link</a>
2AK1	4	2AK1_kinematic_bar	precision shaft 16 mm h6 ground and hardened L = 400 mm	Dold Mechatronik	<a href="#">Link</a>
2AL1	1	2AL1_gearbox_8GA40-060--025S2PF	8GA40-060--025S2PF	B&R	<a href="#">Link</a>
2AL211	1	2AL211_motor	80MPF5.500D114-01_2	B&R	<a href="#">Link</a>
2AM1	1	2AM1_part_1	elastomer jaw coupling GN 2240- 30-B8-14-AL-WS-1	Ganternorm	<a href="#">Link</a>
2AM2	1	2AM2_part_2	elastomer jaw coupling GN 2240- 30-B8-14-AL-WS-1	Ganternorm	<a href="#">Link</a>

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2AN	1	2AN_motor_mount			
2AO1	1	2AO1_flange			
2AO2	1	2AO2_guidance			
2AP1	1	2AP1_spring_plate			
2AP2	1	2AP2_assembly_plate			
2AP3	1	2AP3_heating_plate			
2AP4	8	2AP4_bolt_DIN 7991 - M3x8	countersunk screw		
2AP5	8	2AP5_bolt_DIN 912 - M6x1x20x17,5	cylinder head cap screw		
2AP6	1	2AP6_outer_seal		Mercateo	
2AP6	1	2AP6_inner_seal		Mercateo	
2AP7	1	2AP7_lifting_platform			
2AP8	4	2AP8_bolt_DIN EN ISO 4016 - M6x40	Hexagon head bolts. Product grade C		
2AP9	1	2AP9_spring_block_front			
2APA	1	2APA_spring_block_right			
2APB	1	2APB_spring_block_back			
2APC	1	2APC_spring_block_left			
2APD	1	2APD_temperature_sensor	EF9-EF9G-PT100-2L-5.0	Sensorshop 24	<a href="#">Link</a>
2APE	4	2APE_spacer_sleeve			
2APF	4	2APF_shim_disk			
2APG	1	2APG_pressing_plate			
2APH	1	2APH_felt_seal		agrolager.de	
2API	1	2API_build_platform			
2AQ	2	2AQ_inductive_sensor_mount			
2AR	1	2AR_end_switch_sensor_top			
2AS	1	2AS_end_switch_sensor_bottom			
2AT2	2	2AT2_nut_M12x1	Nut M12 x 1		
2AT3	1	2AT3_sensor	BALLUFF BES 516-356-S4-C_1: inductive sensor bottom	Balluff	<a href="#">Link</a>
2AU2	2	2AU2_nut_M12x1	Nut M12 x 1		
2AU3	1	2AU3_sensor	BALLUFF BES 516-356-S4-C_1: inductive sensor top	Balluff	<a href="#">Link</a>
2AV1	10	2AV1_DIN 912 - M5x0,8x30x22	cylinder head cap screw		
2AV2	10	2AV2_DIN 912 - M8x1,25x35x31,875	cylinder head cap screw		
2AV3	30	2AV3_DIN 912 - M8x1,25x40x28	cylinder head cap screw		
2AV4	2	2AV4_DIN 912 - M5x0,8x8x6	cylinder head cap screw		
2AV5	18	2AV5_DIN 912 - M8x1,25x50x28	cylinder head cap screw		
2AV6	10	2AV6_DIN 912 - M4x0,7x30x20	cylinder head cap screw		
2AV7	8	2AV7_DIN 912 - M4x0,7x25x23,25	cylinder head cap screw		
2AV8	16	2AV8_DIN 912 - M8x1x25x22,5	cylinder head cap screw		
2AV9	5	2AV9_DIN 912 - M6x1x16x13,5	cylinder head cap screw		
2AVA	20	2AVA_DIN 912 - M4x0,7x20x18,25	cylinder head cap screw		
2AVB	12	2AVB_DIN 912 - M6x1x35x24	cylinder head cap screw		
2AVC	4	2AVC_DIN 912 - M8x1,25x20x16,875	cylinder head cap screw		
31	1	31_circulation_pump	G050508	Becker GmbH	<a href="#">Link</a>
321	1	321_heat_exchanger_rv1_17z0z114z04	rv1_17z0z114z04	Becker GmbH	<a href="#">Link</a>
322	2	322_reduction_ISO_K_DN100_DN63_32 ORRK100-063-63	320RRK100-063-63	Pfeiffer Vacuum	<a href="#">Link</a>
323	8	323_clamp_ISO_K_DN100_350BPD100	350BPD100	Pfeiffer Vacuum	<a href="#">Link</a>

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331	180	331_clamp_ISO_K_DN63_320BKL250	320BKL250	Pfeiffer Vacuum	<a href="#">Link</a>
332	45	332_seal_ISO_K_DN63_311ZRA063	311ZRA063	Pfeiffer Vacuum	<a href="#">Link</a>
34	2	34_flexible_pipe_ISO_KF_DN50_170SFK050-060	170SFK050-060	Pfeiffer Vacuum	<a href="#">Link</a>
35	4	35_clamping_ring_ISO_KF_DN50_120BSR050	120BSR050	Pfeiffer Vacuum	<a href="#">Link</a>
36	4	36_seal_ISO_KF_DN50	172ZRG050	Pfeiffer Vacuum	<a href="#">Link</a>
37	2	37_reduction_ISO_K_DN63_KF_DN50_320RRG063-050-40	320RRG063-050-40	Pfeiffer Vacuum	<a href="#">Link</a>
38	3	38_T_pipe_ISO_K_DN63_320RTS063	320RTS063	Pfeiffer Vacuum	<a href="#">Link</a>
39	1	39_pipe_ISO_K_DN63	320RZS063	Pfeiffer Vacuum	<a href="#">Link</a>
3A	17	3A_angle_pipe_ISO_K_DN63_320RRB063-90	320RRB063-90	Pfeiffer Vacuum	<a href="#">Link</a>
3B	1	3B_valve_ISO_K_DN63_310VEP063-01	310VEP063	Pfeiffer Vacuum	<a href="#">Link</a>
3C	1	3C_reduction_T_pipe_ISO_K_DN63_KF_DN40_320RTR063-040	320RTR063-040	Pfeiffer Vacuum	<a href="#">Link</a>
3D	1	3D_ISO_KF_DN40_hose_connection_110ASC040-12	110ASC040-12	Pfeiffer Vacuum	<a href="#">Link</a>
3E	1	3E_seal_with_filter_ISO_KF_DN40_122ZRS040	122ZRS040	Pfeiffer Vacuum	<a href="#">Link</a>
3F	2	3F_clamping_ring_ISO_KF_DN40_120BSR040	120BSR040	Pfeiffer Vacuum	<a href="#">Link</a>
3G	1	3G_flexible_pipe_ISO_K_DN63_320SFK063-130	320SFK063	Pfeiffer Vacuum	<a href="#">Link</a>
3H	1	3H_pipe_ISO_K_DN63	320RZS063	Pfeiffer Vacuum	<a href="#">Link</a>
3I	5	3I_pipe_ISO_K_DN63_320RZS063-176	320RZS063	Pfeiffer Vacuum	<a href="#">Link</a>
3J	2	3J_pipe_ISO_K_DN63_320RZS063	320RZS063	Pfeiffer Vacuum	<a href="#">Link</a>
3K	1	3K_flexible_pipe_ISO_K_DN63_320SWN063-0250	320SFK063	Pfeiffer Vacuum	<a href="#">Link</a>
3L	1	3L_flexible_pipe_ISO_K_DN63_320SWN063-0750	320SFK063	Pfeiffer Vacuum	<a href="#">Link</a>
3M	1	3M_pipe_ISO_K_DN63_320RZS063_L_218	320RZS063	Pfeiffer Vacuum	<a href="#">Link</a>
3N1	1	3N1_curvature_320SWN063	320SFK063: curvature	Pfeiffer Vacuum	<a href="#">Link</a>
3N2	2	3N2_end_piece_320SWN063	320SFK063: end piece	Pfeiffer Vacuum	<a href="#">Link</a>
3O1	1	3O1_curvature_320SWN063	320SFK063: curvature	Pfeiffer Vacuum	<a href="#">Link</a>
3O2	1	3O2_curvature_320SWN063	320SFK063: curvature	Pfeiffer Vacuum	<a href="#">Link</a>
3O3	1	3O3_end_piece_320SWN063	320SFK063: end piece	Pfeiffer Vacuum	<a href="#">Link</a>
3O4	1	3O4_end_piece_320SWN063	320SFK063: end piece	Pfeiffer Vacuum	<a href="#">Link</a>
3P1	1	3P1_cyclone_separator			
3P2	2	3P2_flange_ISO_K_DN63	320FAN063-76	Pfeiffer Vacuum	<a href="#">Link</a>
3P3	1	3P3_valve_ISO_K_DN63_310VEP063-01	310VEP063	Pfeiffer Vacuum	<a href="#">Link</a>
3P4	1	3P4_filter_ISO_K_DN63_CSL-357y2-K	PK Z60 511 A	Pfeiffer Vacuum	<a href="#">Link</a>
3P5	1	3P5_reduction_ISO_K_DN100_DN63_320RRK100-063-63	320RRK100-063-63	Pfeiffer Vacuum	<a href="#">Link</a>
3P6	1	3P6_powder_container_2_liter		AMPROVED	<a href="#">Link</a>
3P7	1	3P7_reduction_ISO_K_DN63_KF_DN40	320RRK063-040-63	Pfeiffer Vacuum	<a href="#">Link</a>
3Q1	1	3Q1_pipe_ISO_K_DN100_320RZS100	320RZS100	Pfeiffer Vacuum	<a href="#">Link</a>
3Q2	1	3Q2_angle_pipe_ISO_K_DN100_320RRB100-90	320RRB100-90	Pfeiffer Vacuum	<a href="#">Link</a>
3Q3	2	3Q3_seal_ISO_K_DN100_311ZRA100	311ZRA100	Pfeiffer Vacuum	<a href="#">Link</a>

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3Q4	8	3Q4_clamp_ISO_K_DN100_320BKL250	320BKL250	Pfeiffer Vacuum	<a href="#">Link</a>
3Q5	4	3Q5_clamp_ISO_K_DN100_350BPD100	350BPD100	Pfeiffer Vacuum	<a href="#">Link</a>
3R1	4	3R1_clamp_ISO_K_DN63_350BPD100	350BPD100	Pfeiffer Vacuum	<a href="#">Link</a>
3R2	1	3R2_seal_ISO_K_DN63_311ZRA063	311ZRA063	Pfeiffer Vacuum	<a href="#">Link</a>
3S1	1	3S1_flange			
3S2	2	3S2_mount			
3S31	1	3S31_part_1	gas outlet pipe: part 1		
3S32	1	3S32_part_2	gas outlet pipe: part 2		
3S33	1	3S33_part_3	gas outlet pipe: part 3		
3S34	1	3S34_part_4	gas outlet pipe: part 4		
3S35	1	3S35_part_5	gas outlet pipe: part 5		
3S41	1	3S41_part_1	gas outlet: part 1		
3S42	1	3S42_part_2	gas outlet: part 2		
3S43	1	3S43_part_3	gas outlet: part 3		
3S44	1	3S44_part_4	gas outlet: part 4		
3S45	1	3S45_part_5	gas outlet: part 5		
3S46	1	3S46_part_6	gas outlet: part 6		
3S47	1	3S47_part_7	gas outlet: part 7		
3S48	1	3S48_part_8	gas outlet: part 8		
3T	1	3T_diffusor			
3U	1	3U_flow_rectifier			
3V	1	3V_gas_in_top			
411	1	411_housing			
41210	2	41210_bearing_SKF_61905-2RS1	SKF_61905-2RS1	SKF	<a href="#">Link</a>
4122	2	4122_radial_shaft_seal_SKF_36X47X7 HMSA10 RG	SKF_36X47X7 HMSA10 RG	SKF	<a href="#">Link</a>
4123	6	4123_vacuum_rotary_feedthrough_PF224 010-T	PF 224 010 -T	Pfeiffer Vacuum	<a href="#">Link</a>
4124	4	4124_clamp_ISO_KF_DN40		Wissel GmbH	<a href="#">Link</a>
4125	1	4125_bearing_pedestal			
4131	1	4131_bearing_pedestal			
4141	1	4141_part_1	reduction with seal		
4142	1	4142_part_2	reduction with seal		
4143	1	4143_seal_FBL3002-K1	reduction with seal	Mink Bürsten	<a href="#">Link</a>
41511	1	41511_part_1	motor 80MPD1.300S000-01: part 1	B&R	<a href="#">Link</a>
41512	1	41512_part_2	motor 80MPD1.300S000-01: part 2	B&R	<a href="#">Link</a>
41521	1	41521_gearbox	gearbox 8GP40_060_016S2J2_1	B&R	<a href="#">Link</a>
4153	1	4153_mount_part_1			
4154	1	4154_mount_part_2			
41611	1	41611_valve_part_1	valve sv04_din_cc_dn40_- _aisi_316l-1_4404_-epdm: part 1	AMPROVED	<a href="#">Link</a>
41612	6	41612_valve_part_2	valve sv04_din_cc_dn40_- _aisi_316l-1_4404_-epdm: part 2	AMPROVED	<a href="#">Link</a>
41613	1	41613_valve_part_3	valve sv04_din_cc_dn40_- _aisi_316l-1_4404_-epdm: part 3	AMPROVED	<a href="#">Link</a>

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4162	1	4162_clamping_ring_ISO_KF_DN40_120BSR040	120BSR040	Pfeiffer Vacuum	<a href="#">Link</a>
4163	1	4163_seal_ISO_KF_DN40		Wissel GmbH	<a href="#">Link</a>
4164	2	4164_powder_container_2_liter		AMPROVED	<a href="#">Link</a>
4170	3	4170_powder_chute			
418	2	418_shaft			
419	3	419_belt_pulley_D14-575388	Toothed belt pulley 21 AT5/30-2 with 14 mm H7 bore with groove and threaded hole on groove	zahriemen24.de	
41A	1	41A_belt_pulley_D12-575390	Toothed belt pulley 21 AT5/30-2 with 12 mm H7 bore with groove and threaded hole on groove	zahriemen24.de	
41B	1	41B_timing_belt_340x10	10-AT5-340	zahriemen24.de	
41C	2	41C_clamping_ring_ISO_KF_DN40_120BSR040	120BSR040	Pfeiffer Vacuum	<a href="#">Link</a>
41D	2	41D_belt_pulley_D7-575457	Toothed belt pulley 21 AT5/18-2 with 7 mm H7 bore	zahriemen24.de	
41E	1	41E_cover_drivetrain			
421	1	421_weld_flange_top			
422	1	422_weld_flange_ISO_K_DN100			
423	1	423_powder_chute_back_front			
424	1	424_powder_chute_right			
425	1	425_powder_chute_left			
426	1	426_flexible_pipe_ISO_K_DN100_320SW N100-0250	320SWN100-0250	Pfeiffer Vacuum	<a href="#">Link</a>
427	1	427_reduction_ISO_K_DN100_KF_DN40	320RRK100-040-63	Pfeiffer Vacuum	<a href="#">Link</a>
428	1	428_pipe_ISO_KF_DN40	120RZS040	Pfeiffer Vacuum	<a href="#">Link</a>
429	1	429_powder_container_10_liter		AMPROVED	<a href="#">Link</a>
42A	2	42A_clamping_ring_ISO_KF_DN40_120BSR040	120BSR040	Pfeiffer Vacuum	<a href="#">Link</a>
42B	8	42B_clamp_ISO_K_DN100_320BKL250	320BKL250	Pfeiffer Vacuum	<a href="#">Link</a>
50	1	50_dummy_scanner	AM-Module Next Gen	Raylase	<a href="#">Link</a>
611	1	611_nut_ISO 4032 - M4			
612	1	612_bolt_DIN 912 - M4x0,7x16x14,25	cylinder head cap screw		
613	1	613_bolt_DIN 912 - M4x0,7x8x6,25	cylinder head cap screw		
614	1	614_bolt_DIN EN ISO 4017 - M6x12	hexagon head screw		
615	1	615_bolt_DIN 912 - M4x0,7x12x10,25	cylinder head cap screw		
616	1	616_bolt_DIN 912 - M6x1x10x7,5	cylinder head cap screw		
617	1	617_bolt_DIN 912 - M5x0,8x25x23	cylinder head cap screw		
618	1	618_countersunk_bolt_DIN 7991 - M4x12	countersunk screw		
619	1	619_countersunk_bolt_DIN 7991 - M5x20	countersunk screw		
61B	1	61B_countersunk_bolt_DIN 7991 - M5x30	countersunk screw		
62	2	62_bearing_DIN 625 SKF - SKF 61800	DIN 625 SKF - SKF 61800	SKF	<a href="#">Link</a>
63	1	63_retaining_ring_DIN 471 - 5x0,6	spring retaining ring		
64	1	64_retaining_ring_DIN 471 - 8x0,8	spring retaining ring		
65	1	65_retaining_ring_DIN 471 - 10x1	spring retaining ring		
66	3	66_plate_front			

NUMBER	NUMBER OF ITEMS	CAD FILE	DESCRIPTION / PRODUCT ID	MANUFACTURER	LINK TO THIRD-PARTY COMPONENT
67	1	67_plate_back			
68	1	68_convex_crowned_shaft			
69	1	69_deflection_shaft			
6A	1	6A_conveyor_belt		zahriemen24.de	
6B1	1	6B1_gliding_surface			
6B2	1	6B2_ceramic_pole			
6B3	1	6B3_glue			
6C1	1	6C1_blade			
6C2	1	6C2_blade_mount_part_1			
6C3	1	6C3_blade_mount_part_2			
6C5	1	6C5_blade_extension			
6D	1	6D_rod_sleeve			
6E1	1	6E1_plate_left			
6E2	1	6E2_plate_right			
6E3	1	6E3_plate_front			
6E4	1	6E4_plate_back			
6F	4	6F_powder_container_extension_back			
6G	1	6G_powder_container_extension_front			
6H1	1	6H1_powder_chute			
6H2	1	6H2_seal_top		Lisema	<a href="#">Link</a>
6H3	1	6H3_brush_seal_bottom		Mink Bürsten	<a href="#">Link</a>
6I	1	6I_clamping_plate_front			
6J	1	6J_clamping_plate_back			
6K	1	6K_fixed_bearing_mount			
6L	1	6L_floating_bearing_mount			
6M1	1	6M1_carriage_LEFG32-S-600N	linear guide top	SMC Pneumatics	<a href="#">Link</a>
6M2	1	6M2_rail_LEFG32-S-600N	linear guide top	SMC Pneumatics	<a href="#">Link</a>
6N1	6	6N1_carriage_LEFS32REA-600N	linear guide back	SMC Pneumatics	<a href="#">Link</a>
6N2	6	6N2_rail_LEFS32REA-600N	linear guide back	SMC Pneumatics	<a href="#">Link</a>
6O	6	6O_belt_pulley_GT2_8mm_20_teeth		youprintin3d.de	<a href="#">Link</a>
6P	6	6P_belt_pulley_without_teeth		youprintin3d.de	<a href="#">Link</a>
6Q	9	6Q_mount_belt_pulley_without_teeth			
6R	3	6R_belt			
6S1	1	6S1_support_1	motor mount		
6S2	1	6S2_support_2	motor mount		
6S3	1	6S3_bent_part	motor mount		
6T	1	6T_motor_Nema_23		reichelt elektronik	<a href="#">Link</a>
6U	1	6U_belt_pulley_motor_GT2_Bore6p35_20_teeth		3VBELT	<a href="#">Link</a>
6V	3	6V_connection_motor_mount			
6W	1	6W_connection_linear_guide_back			
6X	1	6X_connection_linear_guide_top			
6Y	1	6Y_spacer_11_mm			
70	1	70_dummy_laser_beam_source	AFX - 1000	nLight	<a href="#">Link</a>
81	1	81_vacuum_pump_Duo35	PK D45 602 E	Pfeiffer Vacuum	<a href="#">Link</a>
82	10	82_seal_ISO_KF_DN40		Wissel GmbH	<a href="#">Link</a>
83	12	83_clamping_ring_ISO_KF_DN40_120BS R040	120BSR040	Pfeiffer Vacuum	<a href="#">Link</a>

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84	2	84_valve	PF A58 204	Pfeiffer Vacuum	<a href="#">Link</a>
85	1	85_filter_ISO_KF_DN40_CSL-357y2-KF	PK Z60 510	Pfeiffer Vacuum	<a href="#">Link</a>
86	1	86_T_pipe_ISO_KF_DN40	170RTS040	Pfeiffer Vacuum	<a href="#">Link</a>
87	1	87_reduction_T_pipe_ISO_KF_DN40_DN16	120RTR040-016	Pfeiffer Vacuum	<a href="#">Link</a>
88	1	88_pressure_gauge	PT T11 138 310	Pfeiffer Vacuum	<a href="#">Link</a>
89	1	89_clamping_ring_ISO_KF_DN16	120BSR016	Pfeiffer Vacuum	<a href="#">Link</a>
8A	1	8A_seal_ISO_KF_DN16	112ZRG016	Pfeiffer Vacuum	<a href="#">Link</a>
8B	5	8B_angle_pipe_ISO_KF_DN40	110RRB040-90	Pfeiffer Vacuum	<a href="#">Link</a>
8C1	1	8C1_flexible_pipe	120SWG040-0500: flexible pipe	Pfeiffer Vacuum	<a href="#">Link</a>
8C2	2	8C2_end_piece	120SWG040-0500: end piece	Pfeiffer Vacuum	<a href="#">Link</a>
8D1	1	8D1_flexible_pipe_part_1	120SWG040-0250: flexible pipe part 1	Pfeiffer Vacuum	<a href="#">Link</a>
8D2	1	8D2_flexible_pipe_part_2	120SWG040-0250: flexible pipe part 2	Pfeiffer Vacuum	<a href="#">Link</a>
9111	8	9111_foot			
9112	4	9112_base_plate_120x80x10_M20			
912	3	912_name_tag			
913	13	913_square_profile_80x80x5_connection			
914	4	914_square_profile_DIN_EN_10219-2_80x80x5_960	square hollow section		
915	4	915_square_profile_DIN_EN_10219-2_80x80x5_810	square hollow section		
916	2	916_square_profile_DIN_EN_10219-2_80x80x5_970	square hollow section		
917	22	917_square_profile_DIN_EN_10219-2_80x80x5_1670	square hollow section		
918	3	918_square_profile_DIN_EN_10219-2_80x80x5_740	square hollow section		
919	2	919_square_profile_DIN_EN_10219-2_80x80x5_950	square hollow section		
91A	8	91A_square_profile_DIN_EN_10219-2_80x80x5_670	square hollow section		
91B	1	91B_square_profile_DIN_EN_10219-2_80x80x5_700	square hollow section		
91C	3	91C_angle_profile_DIN_59370_50x5_200	sharp-edged L-profile		
91D	8	91D_angle_profile_DIN_59370_50x5_810	sharp-edged L-profile		
91E	1	91E_angle_profile_closed_DIN_59370_50x5	sharp-edged L-profile		
91F1	1	91F1_square_profile_DIN_EN_10219-2_80x80x5_150	square hollow section		
91F2	3	91F2_plate_80x80x10_M12			
91G	1	91G_mount_top			
91H	1	91H_mount_bottom			
92	1	92_profile_60x60_2120	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
93	1	93_profile_60x60_710	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
94	1	94_profile_60x60_350	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
95	2	95_profile_60x60_740	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
96	2	96_profile_60x60_300	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
97	2	97_profile_60x60_1020	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
98	4	98_plate			
99	2	99_bottom_square_profile			

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9A	1	9A_top_square_profile			
9B	1	9B_profile_60x60_960	strut profile	Bosch Rexroth AG	<a href="#">Link</a>
9C	1	9C_top_spacer			