

PROMAC®

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**Metal Lathe
Metalldrehbank
Tour à métaux**

PBD-3069



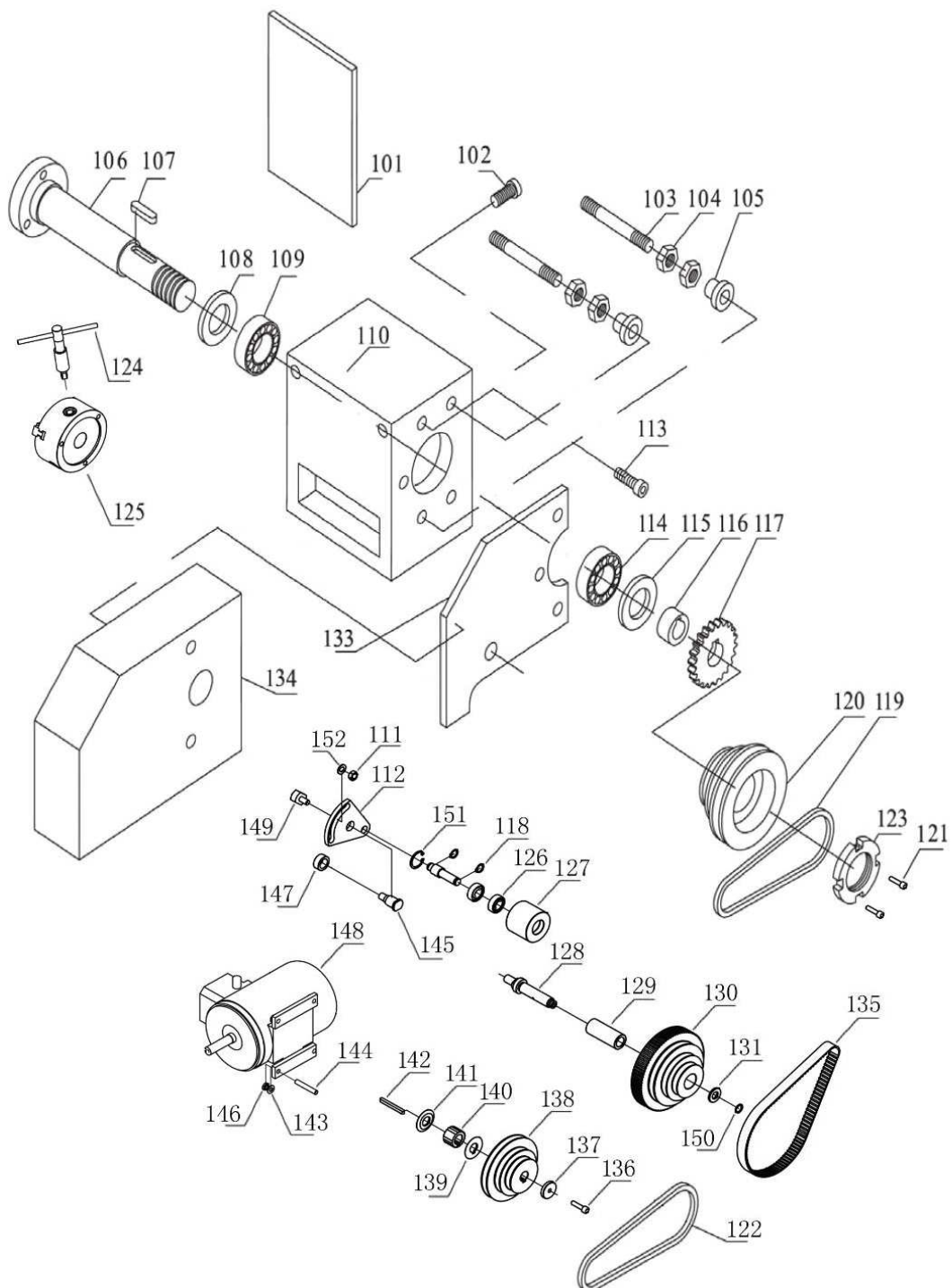
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15.0 Replacement Parts

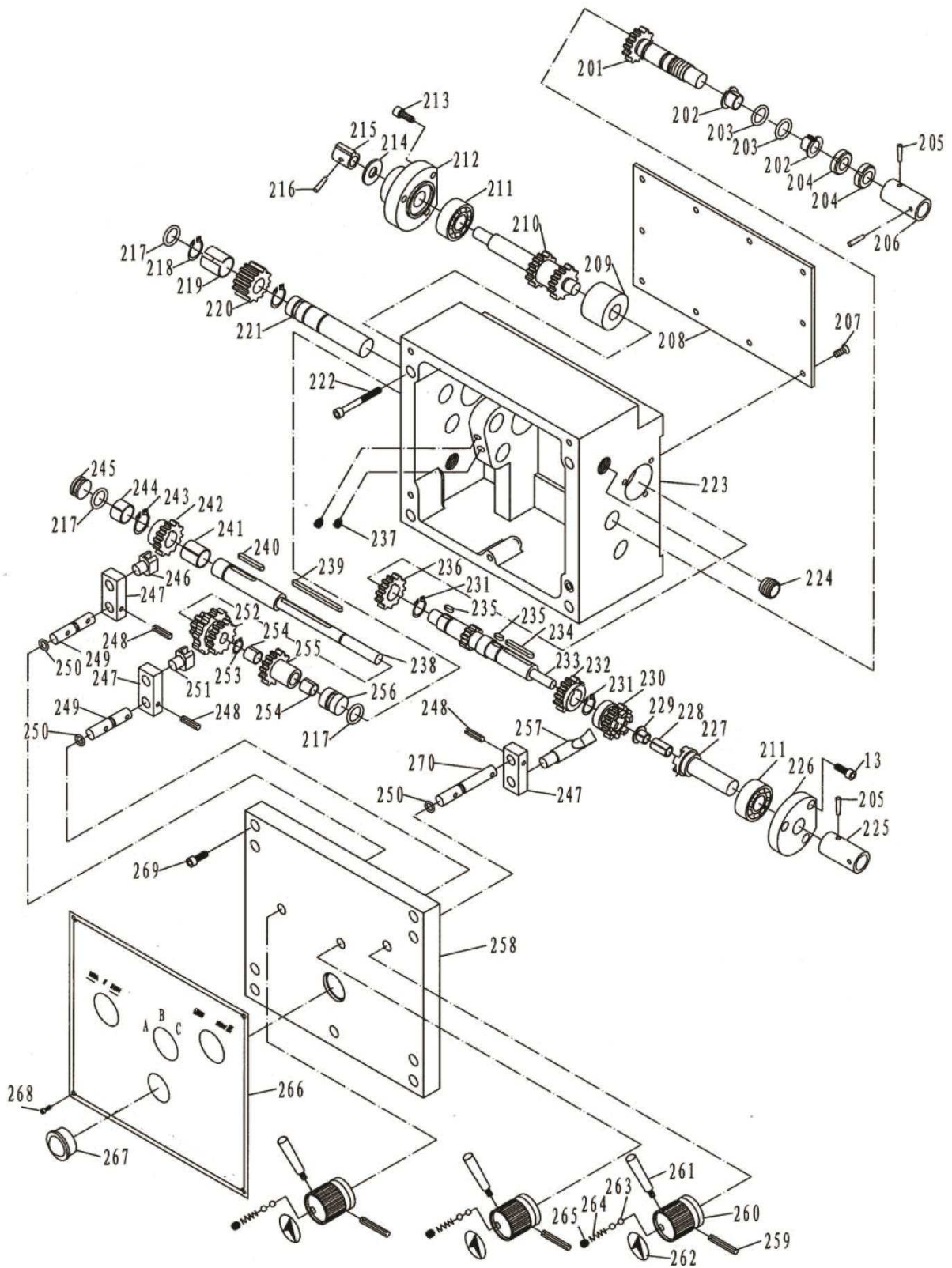
PBD-3069 Assembly Breakdown -1



PBD-3069 Parts List for Breakdown -1

Index No.	Part No.	Description	Size	Qty.
101	PBD3069-1-01	LABEL		1
102	PBD3069-1	SOCKET HD SCREW	DIN912 Φ 4×10	6
103	PBD3069-1-03	BOLT		2
104	PBD3069-2	NUT	DIN439-M10	4
105	PBD3069-3	KNURL NUT	M10	2
106	PBD3069-1-06	SPINDLE		1
107	PBD3069-4	KEY	DIN 6885-8×45	1
108	PBD3069-1-08	GASKET		1
109	TRB-30212	BEARING	30212	1
110	PBD3069-1-10	HEADSTOCK		1
111	PBD3069-5	HEXAGON NUT	DIN439 - M8	1
112	PBD3069-1-12	ECCENTRIC DISK IDLER		1
113	PBD3069-6	SOCKET HD SCREW	DIN912 M8×25	3
114	TRB-32211	BEARING	32211	1
115	PBD3069-1-15	GASKET		1
116	PBD3069-1-16	BUSH		1
117	PBD3069-1-17	GEAR		1
118	PBD3069-7	CIRCLIP	DIN 471-12 x 1	2
119	PBD3069-1-19	GATES BELT	O-889	1
120	PBD3069-1-20	SPINDLE PULLEY		1
121	PBD3069-8	SOCKET HD SCREW	M5×12	2
122	PBD3069-1-22	GATES BELT	O-710	1
123	PBD3069-1-23	NUT		1
124	PBD3069-1-24	CHUCK WRENCH		1
125	PBD3069-1-25	3-JAW CHUCK	K11-160	1
126	BB-6001	BEARING	6001	2
127	PBD3069-1-27	IDLER		1
128	PBD3069-1-28	SHAFT		1
129	PBD3069-1-29	CASE		1
130	PBD3069-1-30	TOOTHED BELT DISK		1
131	PBD3069-9	DISK FOR TOOTHED BELT DISK		1
133	PBD3069-1-33	BRACKET PLATE		1
134	PBD3069-1-34	BELT COVER		1
135	PBD3069-1-35	TOOTHED BELT	255L075	1
136	PBD3069-10	SOCKET HEAD SCREW	GB 70-85 - M6x25	1
137	PBD3069-11	FIXING DISC		1
138	PBD3069-1-38	MOTOR PULLEY		1
139	PBD3069-1-39	FLANGED WASHER IN FRONT		1
140	PBD3069-1-40	TOOTHED BELT DISK		1
141	PBD3069-1-41	FLANGED WASHER IN THE BACK		1
142	PBD3069-12	KEY	DIN 6885-A6x6x50	1
143	PBD3069-13	WASHER	DIN 125 - A8	1
144	PBD3069-1-144	SCREW		4
145	PBD3069-1-45	BOLT		1
146	PBD3069-15	HEX NUT	ISO 4032 M8	4
147	PBD3069-1-47	SPACER		1
148	PBD3069-1-48	MOTOR	1.1KW	1
149	PBD3069-1-49	CLAMPING PIECE		1
150	PBD3069-16	CIRCLIP	DIN 471 - 12x1	1
151	PBD3069-17	CIRCLIP	DIN 471 - 28x1. 2	1
152	PBD3069-18	WASHER	DIN 125 - A8	1

PBD-3069 Assembly Breakdown -2



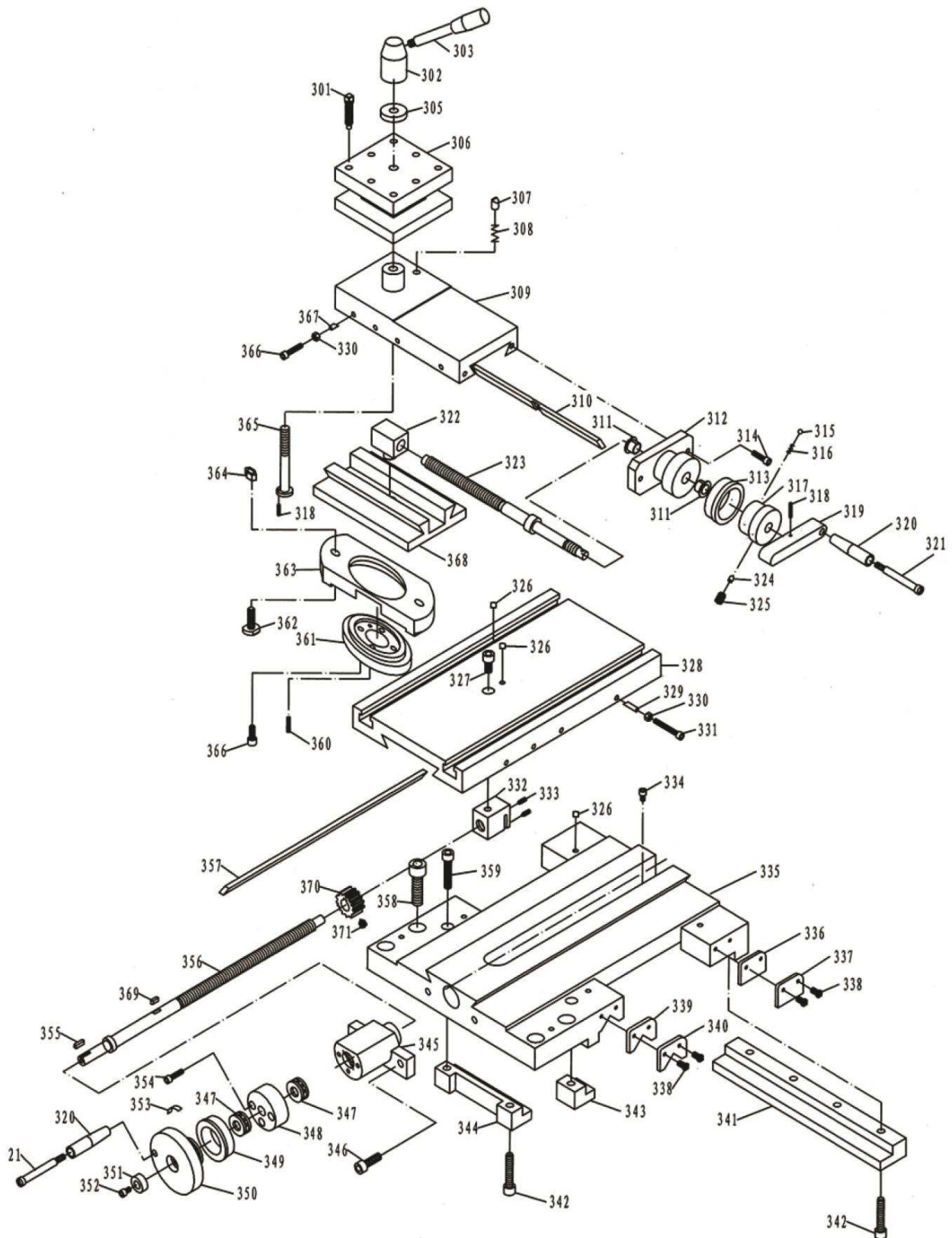
PBD-3069 Parts List for Breakdown -2

Index No.	Part No.	Description	Size	Qty.
201	PBD3069-2-01	GEAR SHAFT		1
202	PBD3069-2-02	BEARING	16170	2
203	PBD3069-19	O-RING	18001400	2
204	PBD3069-2-04	NUT DIN 1804	M16×1.5	2
205	PBD3069-20	PIN DIN 1481	Φ3×22	2
206	PBD3069-2-06	COLLAR		1
207	PBD3069-21	SOCKET HD SCREW	DIN912M5×8	10
208	PBD3069-2-08	COVER		1
209	PBD3069-2-09	COLLAR		1
210	PBD3069-2-10	GEAR SHAFT		1
211	BB-6202	BEARING	6202	2
212	PBD3069-2-12	LEFT PLUG		1
213	PBD3069-22	SOCKET HD SCREW	DIN 912 M5X12	6
214	PBD3069-23	WASHER	Φ10	1
215	PBD3069-2-15	KEY		1
216	PBD3069-24	PIN	DIN 1481 Φ4×14	1
217	PBD3069-25	O-RING	18001500	3
218	PBD3069-26	SNAP RING	Φ18	2
219	PBD3069-2-19	BEARING	1815	1
220	PBD3069-2-20	GEAR		1
221	PBD3069-2-21	SHAFT		1
222	PBD3069-27	SOCKET HD SCREW	M6×50	4
223	PBD3069-2-23	GEARBOX		1
224	PBD3069-2-24	SET SCREW	M16×1.5×12	2
225	PBD3069-2-25	COLLAR		1
226	PBD3069-2-26	RIGHT PLUG		1
227	PBD3069-2-27	SHAFT		1
228	PBD3069-2-28	BEARING	815	1
229	PBD3069-2-29	BEARING	8075	1
230	PBD3069-2-30	GEAR		1
231	PBD3069-28	SNAP RING	Φ15	2
232	PBD3069-2-32	GEAR		1
233	PBD3069-2-33	SHAFT		1
234	PBD3069-29	KEY DIN 6885	4×25	1
235	PBD3069-30	KEY DIN 6885	4×8	2
236	PBD3069-2-36	GEAR		1
237	PBD3069-31	SET SCREW	ISO4028-M6X10	2
238	PBD3069-2-38	SHAFT		1
239	PBD3069-32	KEY DIN 6885	4×50	1
240	PBD3069-33	KEY DIN 6885	4×20	1
241	PBD3069-2-41	BEARING	1615	1
242	PBD3069-2-42	GEAR		1
243	PBD3069-34	SNAP RING	Φ16	1
244	PBD3069-2-44	BEARING	1610	1
245	PBD3069-35	LEFT PLUG		1
246	PBD3069-2-46	FORK		1
247	PBD3069-2-47	BRACKET		3
248	PBD3069-36	PIN	DIN 1481 Φ3×20	3
249	PBD3069-2-49	SHAFT		2

PBD-3069 Parts List for Breakdown -2

Index No.	Part No.	Description	Size	Qty.
250	PBD3069-37	O-RING	1800690	3
251	PBD3069-2-51	FORK		1
252	PBD3069-2-52	GEAR		1
253	PBD3069-38	SNAP RING	Φ10	1
254	PBD3069-2-54	BEARING	1010	2
255	PBD3069-2-55	GEAR		1
256	PBD3069-2-56	RIGHT PLUG		1
257	PBD3069-2-57	DIALS BLOCK		1
258	PBD3069-2-58	GEARBOX COVER		1
259	PBD3069-39	PIN	DIN 1481 Φ5×40	3
260	PBD3069-2-60	KNOB BASE		3
261	PBD3069-2-61	KONB		3
262	PBD3069-2-62	LABEL		3
263	PBD3069-40	BALL	Φ5	6
264	PBD3069-2-64	SPRING	0.8×4×16	3
265	PBD3069-41	SOCKET HD SCREW	DIN912 M6×12	3
266	PBD3069-2-66	LABEL		1
267	PBD3069-2-67	OIL SIGHT		1
268	PBD3069-42	SOCKET HD SCREW	DIN912 M3×16	4
269	PBD3069-43	SOCKET HD SCREW	DIN912 M5×16	5
270	PBD3069-2-70	SHAFT		1

PBD-3069 Assembly Breakdown -3



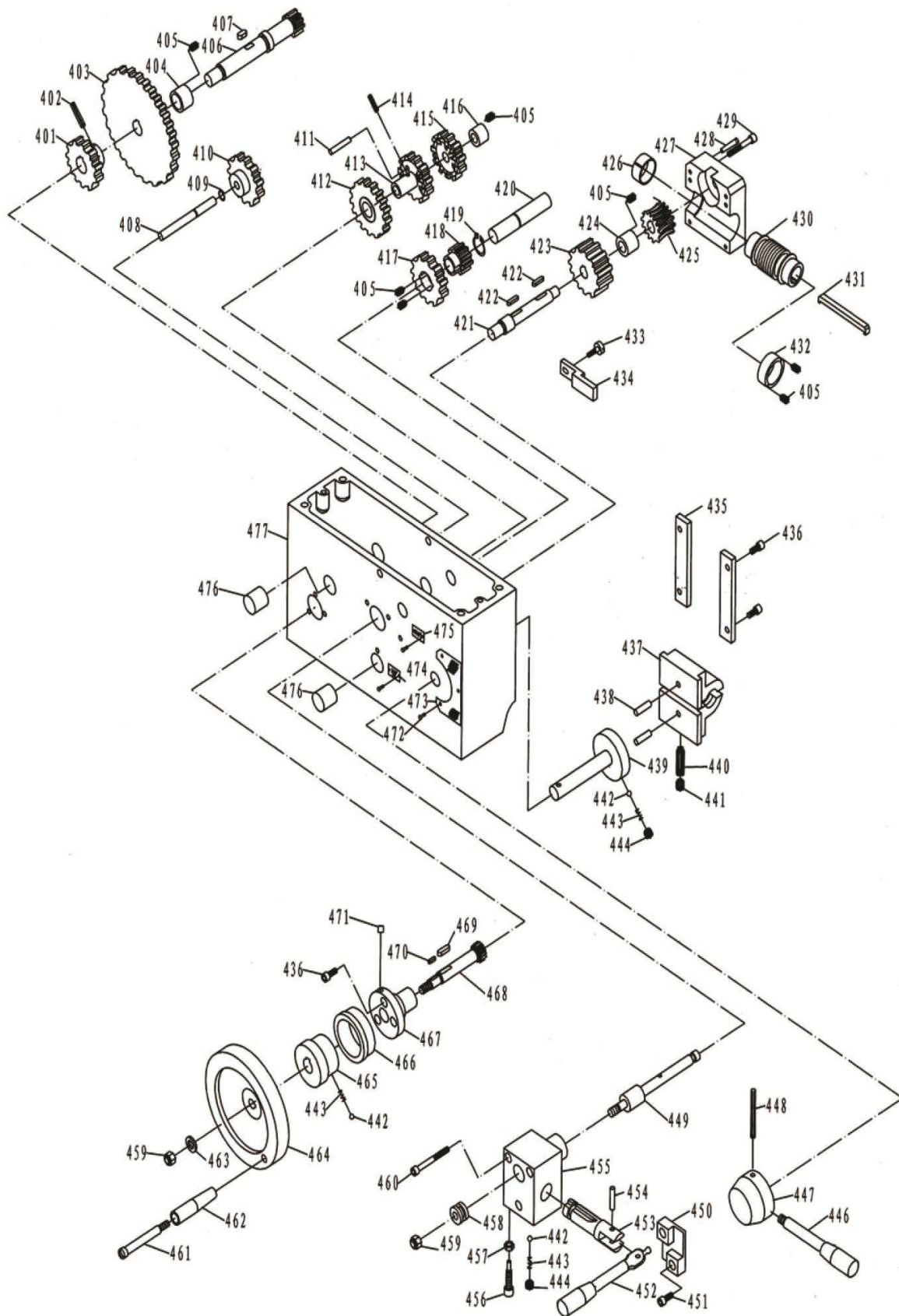
PBD-3069 Parts List for Breakdown -3

Index No.	Part No.	Description	Size	Qty.
301	PBD3069-3-01	SCREW	DIN912 M8×30	8
302	PBD3069-3-02	HANDLE BASE		1
303	PBD3069-3-03	HANDLE		1
305	PBD3069-3-05	WASHER		1
306	PBD3069-3-06	POST BASE		1
307	PBD3069-3-07	STOP		1
308	PBD3069-3-08	SPRING	7×0.8×11	1
309	PBD3069-3-09	TOP SLIDE		1
310	PBD3069-3-10	GIB		1
311	PBD3069-3-11	OILLESS BEARING	1210	2
312	PBD3069-3-12	HUB		1
313	PBD3069-3-13	INDEX RING		1
314	PBD3069-44	SOCKET HD SCREW	DIN 912 M6×20	2
315	PBD3069-45	BALL	Φ5	1
316	PBD3069-3-16	SPRING	1.5×0.5×6.5	1
317	PBD3069-3-17	INDEX BASE		1
318	PBD3069-46	PIN	DIN 1481 Φ3×16	2
319	PBD3069-3-19	LEVER		1
320	PBD3069-3-20	LEVER		2
321	PBD3069-3-21	LEVER SHAFT		2
322	PBD3069-3-22	BLOCK		1
323	PBD3069-3-23	SCREW		1
324	PBD3069-47	PLUG		3
325	PBD3069-48	SET SCREW	DIN912 M6×10	3
326	PBD3069-49	OIL BALL	Φ6	7
327	PBD3069-50	SOCKET HD SCREW	DIN 912 M8×10	1
328	PBD3069-3-28	CROSS SLIDE		1
329	PBD3069-51	PULG		4
330	PBD3069-52	HEX NUT	DIN439 M6	8
331	PBD3069-53	SOCKET HD SCREW	DIN 912 M6×30	4
332	PBD3069-3-32	BLOCK		1
333	PBD3069-54	SOCKET HD SCREW	DIN912 M4×8	2
334	PBD3069-55	SOCKET HD SCREW	DIN 912 M5×6	1
335	PBD3069-3-35	SADDLE		1
336	PBD3069-3-36	WIPER		2
337	PBD3069-3-37	PLATE		2
338	PBD3069-56	SOCKET HD SCREW	DIN 912 M4×18	8
339	PBD3069-3-39	WIPER		2
340	PBD3069-3-40	PLATE		2
341	PBD3069-3-41	STRIP		1
342	PBD3069-57	SOCKET HD SCREW	DIN 912 M8×30	4
343	PBD3069-3-43	STRIP		1
344	PBD3069-3-44	STRIP		1
345	PBD3069-3-45	BRACKET		1
346	PBD3069-58	SOCKET HD SCREW	DIN 912 M5×20	3
347	TBB-51101	BEARING	51101	2
348	PBD3069-3-48	COLLAR		1
349	PBD3069-3-49	INDEX RING		1

PBD-3069 Parts List for Breakdown -3

Index No.	Part No.	Description	Size	Qty.
350	PBD3069-3-50	HANDWHEEL		1
351	PBD3069-3-51	WASHER		1
352	PBD3069-59	SOCKET HD SCREW	DIN 912 M5×10	1
353	PBD3069-3-53	SPRING		1
354	PBD3069-60	SOCKET HD SCREW	DIN 912 M5×20	3
355	PBD3069-3-55	KEY	DIN 6885 4X8	1
356	PBD3069-3-56	IEADSCREW		1
357	PBD3069-3-57	GIB		1
358	PBD3069-61	SOCKET HD SCREW	DIN 912 M12×30	2
359	PBD3069-62	SOCKET HD SCREW	DIN 912 M8×40	2
360	PBD3069-63	PIN	DIN 1481 Ø4×20	1
361	PBD3069-3-61	GRADUATED COLLAR		1
362	PBD3069-3-62	T-BOLT	M10×30	2
363	PBD3069-3-63	CLAMPING RING		1
364	PBD3069-64	NUT	DIN439 M10	2
365	PBD3069-3-65	BOLT		1
366	PBD3069-65	SOCKET HD SCREW	DIN 912 M6×16	8
367	PBD3069-66	PLUG		4
368	PBD3069-3-68	SWIVEL BASE		1
369	PBD3069-67	KEY	DIN 6885 4×10	1
370	PBD3069-3-70	GEAR		1
371	PBD3069-68	SOCKET HD SCREW	DIN 912 M5×16	1

PBD-3069 Assembly Breakdown -4



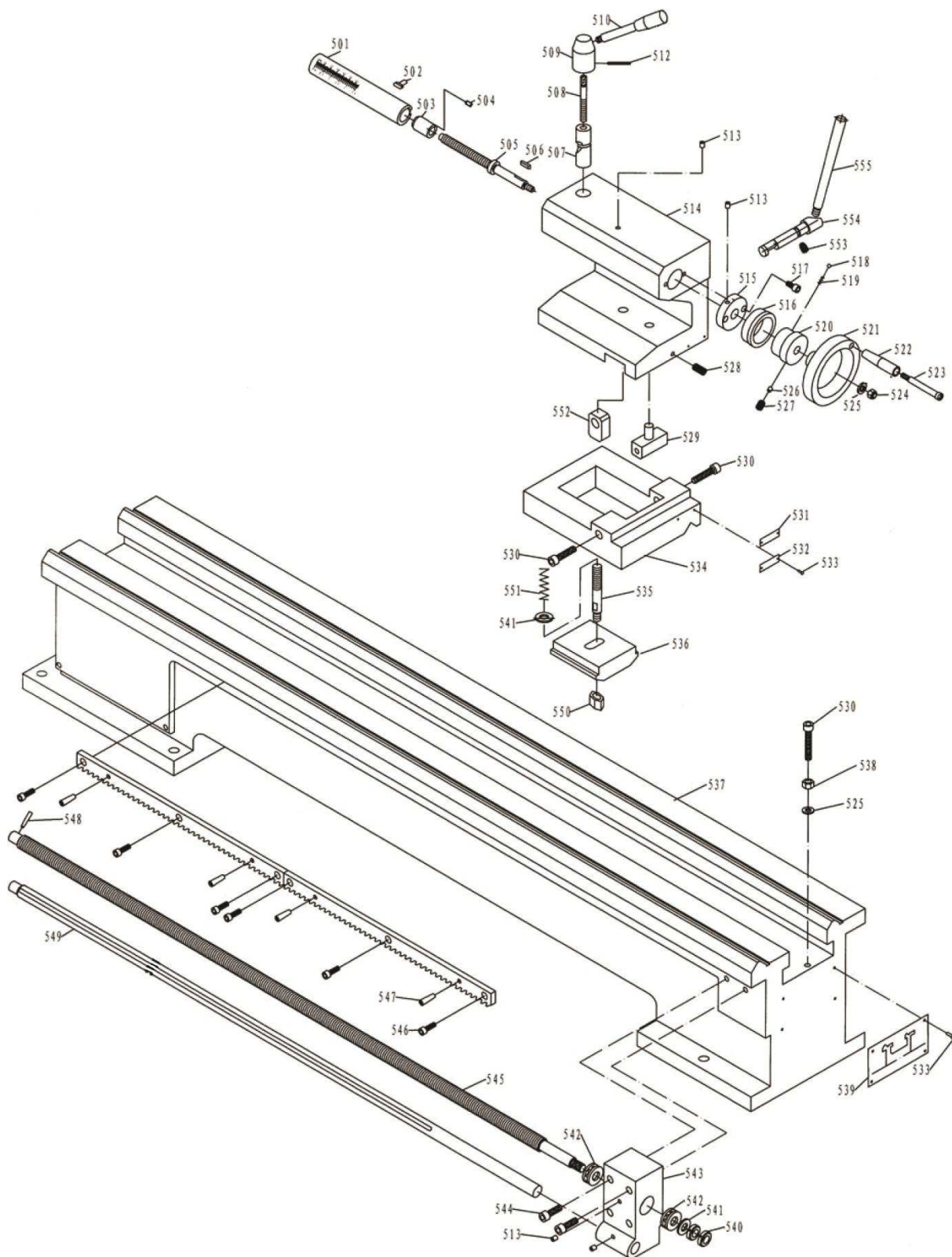
PBD-3069 Parts List for Breakdown -4

Index No.	Part No.	Description	Size	Qty.
401	PBD3069-4-01	GEAR		1
402	PBD3069-69	PIN	DIN 1481 Φ 5×24	1
403	PBD3069-4-03	GEAR		1
404	PBD3069-4-04	WASHER		1
405	PBD3069-70	SOCKET HD SCREW	DIN912 M4×8	7
406	PBD3069-4-06	GEAR SHAFT		1
407	PBD3069-71	KEY	DIN 6885 4X8	1
408	PBD3069-4-08	SHAFT		1
409	PBD3069-72	SNAP RING	DIN 127 Φ 8	1
410	PBD3069-4-10	GEAR		1
411	PBD3069-4-11	SHAFT		3
412	PBD3069-4-12	GEAR		1
413	PBD3069-4-13	GEAR		1
414	PBD3069-73	PIN	DIN 1481 Φ 4×16	1
415	PBD3069-4-15	GEAR		1
416	PBD3069-4-16	WASHER		1
417	PBD3069-4-17	GEAR		1
418	PBD3069-4-18	GEAR		1
419	PBD3069-74	SNAP RING	DIN 127- Φ 15	1
420	PBD3069-4-20	SHAFT		1
421	PBD3069-4-21	SHAFT		1
422	PBD3069-75	KEY	DIN 6885-5×14	2
423	PBD3069-4-23	GEAR		1
424	PBD3069-4-24	WASHER		1
425	PBD3069-4-25	WORM		1
426	PBD3069-4-26	BEARING	2501	1
427	PBD3069-4-27	WORM BASE		1
428	PBD3069-76	PIN	DIN 1481- Φ 4×20	2
429	PBD3069-77	SOCKET HD SCREW	DIN 912-M4×30	4
430	PBD3069-4-30	WORM		1
431	PBD3069-78	KEY		1
432	PBD3069-4-32	WASHER		1
433	PBD3069-4-33	SET SCREW	DIN 912-M4×8	2
434	PBD3069-4-34	PLATE		1
435	PBD3069-4-35	PLATE		2
436	PBD3069-79	SOCKET HD SCREW	DIN 912-M5×12	7
437	PBD3069-4-37	HALF NUT		1
438	PBD3069-80	PIN	DIN 1481- Φ 6×18	2
439	PBD3069-4-39	CAM SHAFT		1
440	PBD3069-81	SOCKET HD SCREW	DIN 912-M6×20	1
441	PBD3069-82	SOCKET HD SCREW	DIN 912-M6×8	1
442	PBD3069-83	BALL	Φ 5	3
443	PBD3069-4-43	SPRING	0.7×4×10	3
444	PBD3069-84	SOCKET HD SCREW	DIN912-M6×6	2
446	PBD3069-4-46	HANDLE		1
447	PBD3069-4-47	HANDLE BASE		1
448	PBD3069-85	PIN	DIN 1481- Φ 5×45	1
449	PBD3069-4-49	SHAFT		1

PBD-3069 Parts List for Breakdown -4

Index No.	Part No.	Description	Size	Qty.
450	PBD3069-4-50	BASE		1
451	PBD3069-86	SOCKET HD SCREW	DIN 912-M5×10	6
452	PBD3069-4-52	SHAFT HANDLE		1
453	PBD3069-4-53	SHAFT FORX		1
454	PBD3069-87	PIN	DIN 1481-Φ5×20	1
455	PBD3069-4-55	BASE		1
456	PBD3069-88	SOCKET HD SCREW	DIN912-M6X20	1
457	PBD3069-89	NUT	DIN439-M6	1
458	PBD3069-4-58	SHIFT LEVER		1
459	PBD3069-90	NUT	DIN439-M8	2
460	PBD3069-91	SOCKET HD SCREW	DIN 912-M5×35	2
461	PBD3069-4-61	SHAFT HANDLE		1
462	PBD3069-4-62	KNOB		1
463	PBD3069-92	WASHER	DIN6340-Φ 8	1
464	PBD3069-4-64	HANDWHEEL		1
465	PBD3069-4-65	SHAFT		1
466	PBD3069-4-66	GRADUATED COLLAR		1
467	PBD3069-4-67	BRACKET		1
468	PBD3069-4-68	SHAFT		1
469	PBD3069-93	KEY	DIN 6885-5×14	1
470	PBD3069-94	KEY	DIN 6885-3×10	1
471	PBD3069-95	OIL BALL	Φ 6	1
472	PBD3069-96	RIVET	Φ 2×6	3
473	PBD3069-4-73	PLATE		1
474	PBD3069-4-74	PLATE		1
475	PBD3069-4-75	PLATE		1
476	PBD3069-4-76	COLLAR		1
477	PBD3069-4-77	APRON		1

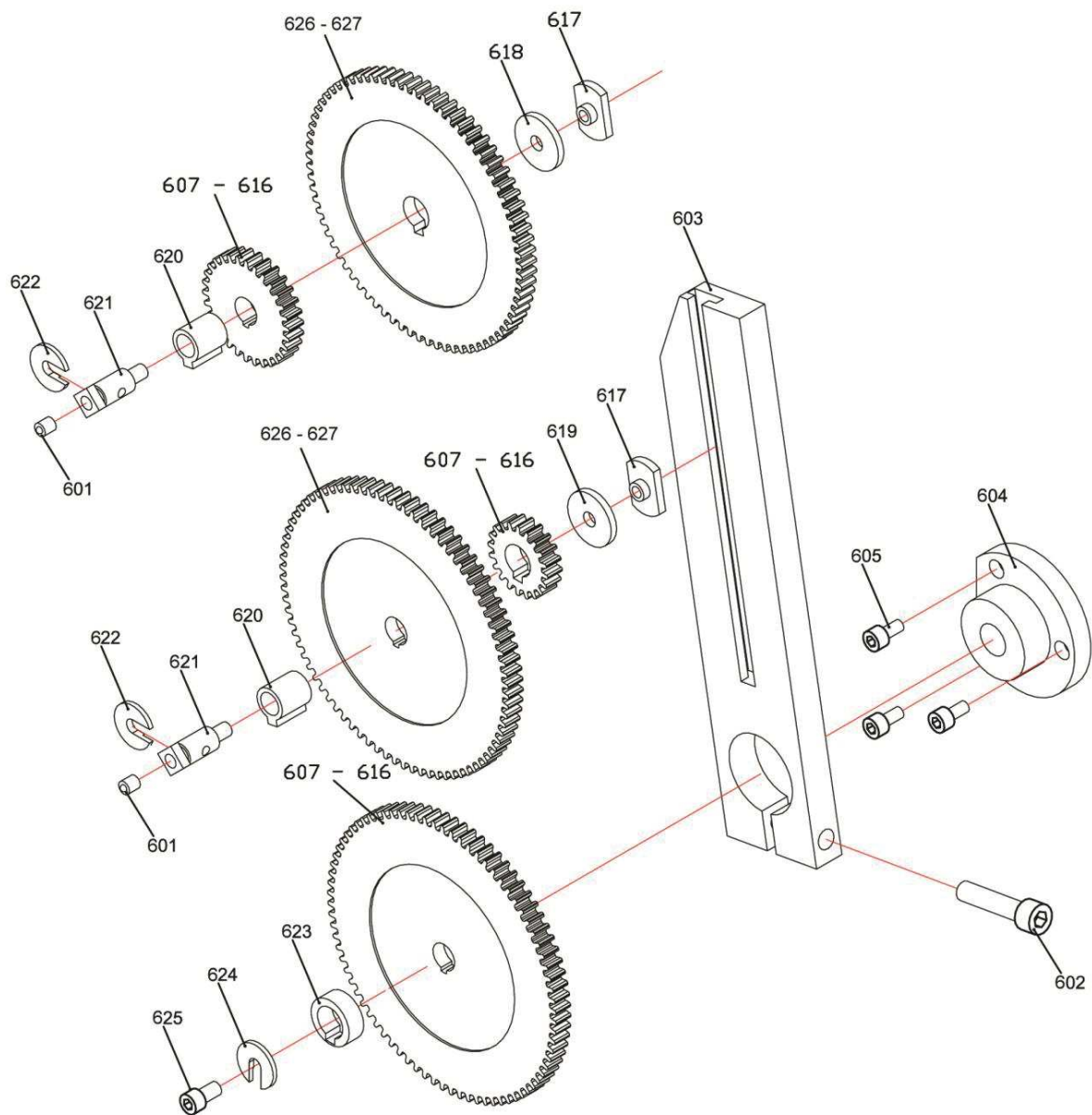
PBD-3069 Assembly Breakdown -5



PBD-3069 Parts List for Breakdown -5

Index No.	Part No.	Description	Size	Qty.
501	PBD3069-5-01	QUILL		1
502	PBD3069-97	KEY		1
503	PBD3069-5-03	NUT		1
504	PBD3069-98	SOCKET HD SCREW	DIN912-M6×10	1
505	PBD3069-5-05	SCREW		1
506	PBD3069-99	KEY	DIN 6885-4×10	1
507	PBD3069-5-07	PIVOT BLOCK		1
508	PBD3069-5-08	SCREW		1
509	PBD3069-5-09	HANDLE BASE		1
510	PBD3069-5-10	HANDLE		1
512	PBD3069-100	PIN	DIN 1481-Φ3×30	1
513	PBD3069-101	OIL BALL	Φ6	4
514	PBD3069-5-14	TAILSTOCK BODY		1
515	PBD3069-5-15	FLANGE COVER		1
516	PBD3069-5-16	INDEX RING		1
517	PBD3069-102	SOCKET HD SCREW	DIN 912-M6×10	2
518	PBD3069-103	BALL	Φ4	1
519	PBD3069-5-19	SPRING	Φ4×1×6	1
520	PBD3069-5-20	SLEEVE		1
521	PBD3069-5-21	HANDWHEEL		1
522	PBD3069-5-22	KONB		1
523	PBD3069-5-23	SCREW		1
524	PBD3069-104	NUT	DIN439-M8	1
525	PBD3069-105	WASHER	DIN6340-Φ8	6
526	PBD3069-5-26	BRAKE BLOCK		1
527	PBD3069-106	SOCKET HD SCREW	DIN 912-M6×10	1
528	PBD3069-107	SOCKET HD SCREW	DIN 912-M6×16	1
529	PBD3069-5-29	SET SCREW		1
530	PBD3069-108	SOCKET HD SCREW	DIN 912-M8×40	3
531	PBD3069-5-31	PLATE		1
532	PBD3069-5-32	PLATE		1
533	PBD3069-109	RIVET	Φ 2×6	8
534	PBD3069-5-34	BASE		1
535	PBD3069-5-35	BOLT		1
536	PBD3069-5-36	CLAMPING PLATE		1
537	PBD3069-5-37	BED		1
538	PBD3069-110	NUT	DIN439-M8	5
539	PBD3069-5-39	PLATE		1
540	PBD3069-111	NUT	DIN1804-M12×1.25	2
541	PBD3069-112	WASHER	DIN6340-Φ 12	2
542	TBB-51102	BEARING	51102	2
543	PBD3069-5-43	BRACKET		1
544	PBD3069-113	SOCKET HD SCREW	DIN 912-M8×20	2
545	PBD3069-5-45	FEED SHAFT		1
546	PBD3069-114	SOCKET HD SCREW	DIN 912-M6×15	6
547	PBD3069-115	PIN	DIN 1481-Φ6×22	4
548	PBD3069-116	PIN	DIN 1481-Φ4×22	1
549	PBD3069-5-49	SHAFT		1
550	PBD3069-117	NUT	DIN439-M12	1
551	PBD3069-5-51	SPRING	Φ13×1×62	1
552	PBD3069-5-52	BRAKE BLOCK		1
553	PBD3069-118	SOCKET HD SCREW	DIN912-M6×10	1
554	PBD3069-5-54	SHAFT		1
555	PBD3069-5-55	HANDLE		1

PBD-3069 Assembly Breakdown -6

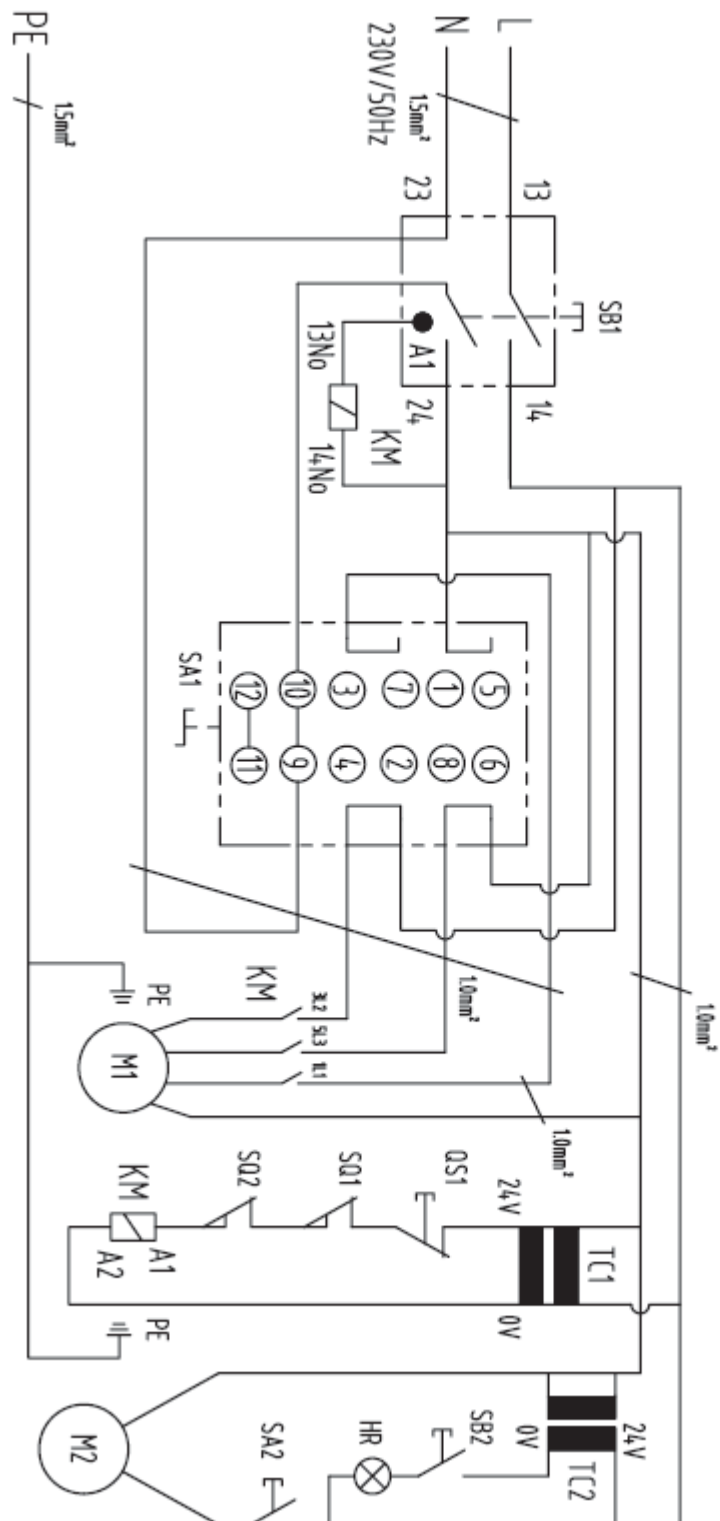


PBD-3069 Parts List for Breakdown -6

Index No.	Part No.	Description	Size	Qty.
601	PBD3069-119	BALL OILER	Φ6	2
602	PBD3069-120	SOCKET HD SCREW	M8 × 35 mm	1
603	PBD3069-6-03	RAIL		1
604	PBD3069-6-04	BRACKET		1
605	PBD3069-121	SOCKET HD SCREW	M5 × 10 mm	3
607	PBD3069-6-07	GEAR	85	1
608	PBD3069-6-08	GEAR	80	1
609	PBD3069-6-09	GEAR	75	1
610	PBD3069-6-10	GEAR	70	1
611	PBD3069-6-11	GEAR	65	1
612	PBD3069-6-12	GEAR	60	2
613	PBD3069-6-13	GEAR	50	1
614	PBD3069-6-14	GEAR	45	1
615	PBD3069-6-15	GEAR	30	1
616	PBD3069-6-16	GEAR	20	1
617	PBD3069-6-17	T-NUT	M5	2
618	PBD3069-6-18	SPACER	1.5 mm	1
619	PBD3069-6-19	SPACER	3 mm	1
620	PBD3069-6-20	KEY SLEEVE		2
621	PBD3069-6-21	THREADED SHAFT		2
622	PBD3069-6-22	C-WASHER		2
623	PBD3069-6-23	COLLAR		1
624	PBD3069-6-24	C-WASHER		1
625	PBD3069-6-25	SOCKET HD SCREW	M6 × 10 mm	1
626	PBD3069-6-26	GEAR	90	1
627	PBD3069-6-27	GEAR	40	1

16.0 Wiring Diagrams

PBD-30691~230V, PE, 50Hz



PBD-3069 Electrical Parts List

ITEM	DESCRIPTION	TYPE	SPECIFICATION	Qty.	Note
SB1	Magnetic Contactor	KJD17GF	IP-55 AC-1 18A Ue250V AC-3 15A CE	1	
SA1	Fwd/0/Rev - Switch	ZH-A	Ue 250V IEN 12A 5E4 CE	1	
KM	Contactor	LC1K0910	UI 690V IEN 20A CE	1	
TC1	Transformer	230V/24V/20VA	20VA 230VAC CE	1	
TC2	Transformer	230V-24V/20VA	20VA 230VAC CE	1	Optional
QS1	Emergency stop	LAY5	AE-15 240V IEN 10A CE	1	
SQ1	Gear Guard Switch	QKS8	AC-15 14A 250V IP54 CE	1	
SQ2	Chuck Guard Switch	LXW5-11Q1	AC-15 3A IP62 Ue380V CE	1	
SB2	Light Switch	KCD1-101	6A AC250V CE	1	Optional
HR	Work light	24V	5W AC12-24V CE	1	Optional
SA2	Pump Switch	LAY5-BE101	Ue220V IEN3.3A AC-15 CE	1	Optional
M1	Main Motor	YLJ90L4-12A	1.1Kw AC230V 6.4A IP54 CE	1	
M2	Pump	DB-12A	40W AV230V 0.9A IP54 CE	1	Optional