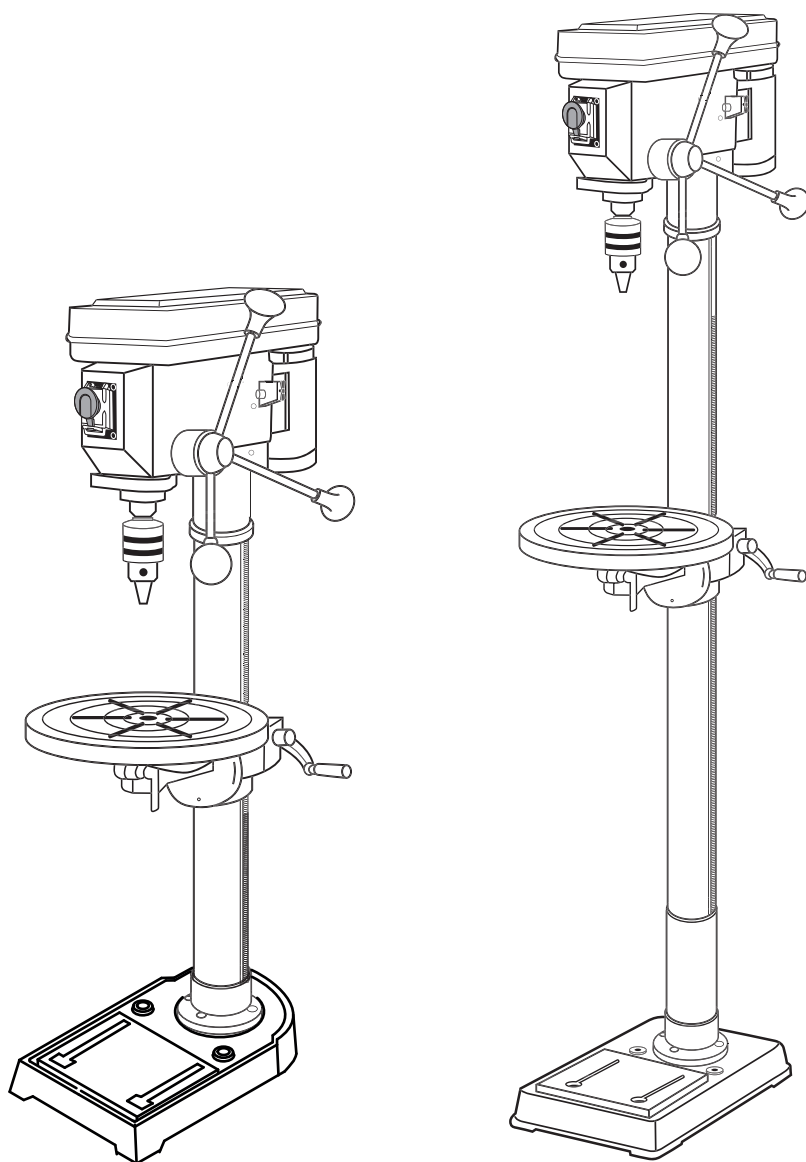


MAGNUM

INDUSTRIAL

MODEL NO.: MI-76100 MI-76150



PARTS BREAKDOWN

MAGNUM

INDUSTRIAL

MAGNUM DRILL PRESS ASSEMBLY INSTRUCTIONS

MI-76100 and MI-76150

Before you assemble your drill press, review the parts breakdown and keep it ready for reference.

Start by removing the parts from the packaging.

Carefully check the packaging for small pieces before you continue.

Lay out the parts on a large, clear and unobstructed area and ensure that all parts are accounted for.

ASSEMBLING THE DRILL PRESS

1. Bolt the **BASE FLANGE (4)** and **COLUMN (19)** to the **BASE (1)**.
2. Carefully remove the **RACK COLLAR (21)** from the **COLUMN (19)**. Apply even pressure and gently slide the **COLLAR**. Using too much force can cause the **COLLAR** to bind. If it is tight, try gently tapping the **COLLAR**.
3. Ensure that the **WORM GEAR (10)** and **HELICAL GEAR (9)** are installed in the **TABLE BRACKET (7)** and have not fallen out during unpacking.
4. Place the **RACK (18)** into the **TABLE BRACKET (7)**. The tapered end of the **RACK** faces upward and the square end faces downward.
5. Lower the **RACK (18)** and the **TABLE BRACKET (7)** onto the **COLUMN (19)**. Take care to hold the two pieces together. This may require two people.
6. Fit the bottom lip of the **RACK (18)** in the friction ring on the **BASE FLANGE (4)**. Secure the top of the rack by now installing the **RACK COLLAR (21)**. Tighten the **SET SCREW (20)** in the **RACK COLLAR (21)** but do not over tighten.
7. Slide the **CRANK SLEEVE HANDLE (6)** on the **WORM GEAR (10)** and secure it with the **SET SCREW (5)**.
8. Lower the **HEAD (26)** to the **COLUMN (19)** and secure the **HEAD (26)** by tightening two **SET SCREWS (26-1)**. This may require two people.
9. Secure the **TABLE (17)** onto the **TABLE ARM (12)**.
10. Attach a **HANDLE KNOB (23)** to each of the three **FEED HANDLES (22)**. Then secure the **HANDLES (22)** to the **PINION SHAFT (24)**.
11. Thread a light bulb (maximum 40 watts) into the **LAMP HOLDER (32)**. (Light bulb sold separately.)
12. Remove the protective coating from all surfaces using a rag dipped in environmentally safe degreaser

INSTALLING THE CHUCK

13. Degrease all pieces. Slide the **ARBOR (53)** into the **SPINDLE (51)**, flat end up.
14. Slide the **CHUCK (54)** over the tapered end of the **ARBOR (53)** and, using a wooden mallet, give the **CHUCK** a good tap. The taper is designed to hold the **CHUCK** securely in place.

If you have any questions or require further information, please contact KMS Tools Service Department at 604.395.4134 or email repairs@kmstools.com

PART LIST FOR MI-76100

PART NO.	DESCRIPTION	QTY	PART NO.	DESCRIPTION	QTY
MI-76100-01	BASE	1	MI-76100-53	ARBOR	1
MI-76100-02	WASHER	4	MI-76100-54	CHUCK	1
MI-76100-03	BOLT	4	MI-76100-55	KEY	1
MI-76100-04	BASE FLANGE	1	MI-76100-56	BOLT	2
MI-76100-04-1	COLUMN PLATE	1	MI-76100-57	MOTOR	1
MI-76100-05	SCREW	1	MI-76100-58	SCREW	2
MI-76100-06	CRANK SLEEVE HANDLE	1	MI-76100-59	CAPACITOR COVER	1
MI-76100-07	TABLE BRACKET	1	MI-76100-60	CAPACITOR	1
MI-76100-07-1	TILT SCALE	1	MI-76100-61	PULLEY GUARD	1
MI-76100-08	GEAR SHAFT	1	MI-76100-62	MOTOR PULLEY	1
MI-76100-09	HELICAL GEAR	1	MI-76100-63	SET SCREW	1
MI-76100-10	ELEVATING WORM	1	MI-76100-64	SNAP RING	1
MI-76100-11	CLAMP BOLT	1	MI-76100-65	SNAP RING	1
MI-76100-12	TABLE ARM BRACKET	1	MI-76100-66	BEARING	1
MI-76100-12-1	POINTER	1	MI-76100-67	MIDDLE PULLEY	1
MI-76100-13	SET SCREW	1	MI-76100-68	V-BELT	1
MI-76100-14	CLAMP BOLT	1	MI-76100-69	V-BELT	1
MI-76100-15	WASHER	1	MI-76100-70	KNOB	1
MI-76100-16	BOLT	1	MI-76100-71	SCREW	1
MI-76100-17	TABLE	1	MI-76100-72	SHAFT ASSEMBLY	1
MI-76100-18N	RACK	1	MI-76100-73	NUT	1
MI-76100-19	COLUMN	1	MI-76100-74	SPINDLE PULLEY	1
MI-76100-20	SCREW	1	MI-76100-75	SCREW	1
MI-76100-21	RACK COLLAR	1	MI-76100-76	CORD CLAMP	1
MI-76100-22N	FEED HANDLE	3	MI-76100-77	ELEVTRICAL CORD/LAMP	1
MI-76100-23	HANDLE KNOB	3	MI-76100-78	SCREW	1
MI-76100-24N	PINION SHAFT	1	MI-76100-79	SCREW	1
MI-76100-25	SLEEVE	1	MI-76100-80	KEY HOLDER	1
MI-76100-26	HEAD	1	MI-76100-81	WASHER	1
MI-76100-26-1	SET SCREW	2	MI-76100-82	NUT	1
MI-76100-26-2	RUBBER BUSHING	1	MI-76100-83	SET SCREW	1
MI-76100-27	SET SCREW	1	MI-76100-84	DEPTH STOP ROD	1
MI-76100-28	BELT TENSION ADJU. ROD	1	MI-76100-85	NUT	2
MI-76100-28-1	SPRING	1	MI-76100-86	DEPTH STOP SUPPORT	1
MI-76100-29	SCREW	4	MI-76100-88	TRANSFORME	1
MI-76100-33	NUT	1	MI-76100-89	LIGHT SWITCH	1
MI-76100-34	SPRING & CAP	1	MI-76100-90	SCREW	2
MI-76100-35	SWITCH BOX	1	MI-76100-91	LED LIGHT	1
MI-76100-36	SCREW	3	MI-76100-92	SCREW	3
MI-76100-37	LIGHT SWITCH	1	MI-76100-93	LASER COVER	1
MI-76100-38N	ON/OFF SWITCH	1	MI-76100-94	KNOB	1
MI-76100-39	SCREW	1	MI-76100-95	LASER BOX	1
MI-76100-40	ELECTRICAL CORD	1	MI-76100-96	SCREW	4
MI-76100-40-1	MOTOR CORD	1	MI-76100-97	SCREW	2
MI-76100-41	SNAP RING	1	MI-76100-98	SCREW	1
MI-76100-42	DRIVER INSERT	1	MI-76100-99	SWITCH PLATE	1
MI-76100-43	BEARING	1	MI-76100-100	SET SCREW	1
MI-76100-44	SNAP RING	1	MI-76100-101	SHAFT CLIP RING	1
MI-76100-45	BEARING	1	MI-76100-102	SWITCH PLATE	1
MI-76100-46	QUILL GASKET	1	MI-76100-103	NUT	2
MI-76100-47	QUILL	1	MI-76100-104	SPRING WASHER	2
MI-76100-48	BEARING	1	MI-76100-105	FIEXED SEAT CONNECT BAR	1
MI-76100-49	SUPPORT/CLAMP SEAT DEPTH STOP	1	MI-76100-106	NUT	2
MI-76100-49-1	NUT	1	MI-76100-107	SCREW	2
MI-76100-50	SCREW	1	MI-76100-108	CHUCK GUARD	1
MI-76100-51	SPINDLE	1	MI-76100-108A	GUARD ASSEMBLY COMPLETE	1
MI-76100-52	DRIFT KEY	1			

PART LIST FOR MI-76150

PART NO.	DESCRIPTION	QTY	PART NO.	DESCRIPTION	QTY
MI-76150-01	BASE	1	MI-76150-53	ARBOR	1
MI-76150-02	WASHER	4	MI-76150-54	CHUCK	1
MI-76150-03	BOLT	4	MI-76150-55	KEY	1
MI-76150-04	BASE FLANGE	1	MI-76150-56	BOLT	2
MI-76150-04-1	COLUMN PLATE	1	MI-76150-57	MOTOR	1
MI-76150-05	SCREW	1	MI-76150-58	SCREW	2
MI-76150-06	CRANK SLEEVE HANDLE	1	MI-76150-59	CAPACITOR COVER	1
MI-76150-07	TABLE BRACKET	1	MI-76150-60	CAPACITOR	1
MI-76150-07-1	TILT SCALE	1	MI-76150-61	PULLEY GUARD	1
MI-76150-08	GEAR SHAFT	1	MI-76150-62	MOTOR PULLEY	1
MI-76150-09	HELICAL GEAR	1	MI-76150-63	SET SCREW	1
MI-76150-10	ELEVATING WORM	1	MI-76150-64	SNAP RING	1
MI-76150-11	CLAMP BOLT	1	MI-76150-65	SNAP RING	1
MI-76150-12	TABLE ARM BRACKET	1	MI-76150-66	BEARING	1
MI-76150-12-1	POINTER	1	MI-76150-67	MIDDLE PULLEY	1
MI-76150-13	SET SCREW	1	MI-76150-68	V-BELT	1
MI-76150-14	CLAMP BOLT	1	MI-76150-69	V-BELT	1
MI-76150-15	WASHER	1	MI-76150-70	KNOB	1
MI-76150-16	BOLT	1	MI-76150-71	SCREW	1
MI-76150-17	TABLE	1	MI-76150-72	SHAFT ASSEMBLY	1
MI-76150-18N	RACK	1	MI-76150-73	NUT	1
MI-76150-19	COLUMN	1	MI-76150-74	SPINDLE PULLEY	1
MI-76150-20	SCREW	1	MI-76150-75	SCREW	1
MI-76150-21	RACK COLLAR	1	MI-76150-76	CORD CLAMP	1
MI-76150-22N	FEED HANDLE	3	MI-76150-77	ELEVTRICAL CORD/LAMP	1
MI-76150-23	HANDLE KNOB	3	MI-76150-78	SCREW	1
MI-76150-24N	PINION SHAFT	1	MI-76150-79	SCREW	1
MI-76150-25	SLEEVE	1	MI-76150-80	KEY HOLDER	1
MI-76150-26	HEAD	1	MI-76150-81	WASHER	1
MI-76150-26-1	SET SCREW	2	MI-76150-82	NUT	1
MI-76150-26-2	RUBBER BUSHING	1	MI-76150-83	SET SCREW	1
MI-76150-27	SET SCREW	1	MI-76150-84	DEPTH STOP ROD	1
MI-76150-28	BELT TENSION ADJU. ROD	1	MI-76150-85	NUT	2
MI-76150-28-1	SPRING	1	MI-76150-86	DEPTH STOP SUPPORT	1
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MI-76150-49-1	NUT	1	MI-76150-107	SCREW	2
MI-76150-50	SCREW	1	MI-76150-108	CHUCK GUARD	1
MI-76150-51	SPINDLE	1	MI-76150-108A	GUARD ASSEMBLY COMPLETE	1
MI-76150-52	DRIFT KEY	1			