

Roller Bearing Puller/Installer (Railroad Edition)

100 Ton Pulling Capacity



- Quickly remove or install tapered roller bearings.
- Designed with cooperation of major bearing manufacturers.
- It's a fast, simple, one-man operation with 100-tons of pulling force provided.
- Completely portable for easy, convenient positioning and out-of-the-way storage.
- The standard in most wheel shops.

Universal railroad axle journal roller bearing puller/installer

For years, the standard in most wheel shops. Power Team now has four models to choose for greater flexibility. With both sling and jack models available and two pumps to choose from, you can tailor the unit to match your needs. With the proper equipment and know-how, removal and installation of axle journal roller bearings takes an absolute minimum of time and effort.

Each unit will service a full line of bearings with rotating end caps, from class B thru GG. No other method can match Power Team's simplicity. Removal is very easy. Simply remove the end caps, slip the pulling shoe between the bearings and the wheel, actuate the pump, and in seconds, 100 tons of pulling force removes the bearing. Installation is just as easy! Each unit is CSA certified (LR19814) and comes complete with a heavy-duty 100-ton hydraulic cylinder, 700 bar, (10,000 psi) pump with remote control solenoid valve, hydraulic pressure gauge (No. 11543), a pulling shoe and installing tube.

Order No.	Model Type	Cylinder Type	Valve Type	Pump Information		
				kW	Phase	Voltage
PR2100J†	Jack	Double Acting	Solenoid	1.49**	1	115 or 230*
PR3100J†	Jack	Double Acting	Solenoid	2.24	3	230 or 460*
PR2100S†	Sling	Double Acting	Solenoid	1.49**	1	115 or 230*
PR3100S†	Sling	Double Acting	Solenoid	2.24	3	230 or 460*

* Prewired at factory for this voltage. Other voltages available upon request.

** The 1.49 kW, 115 volt requires 30 amp service.

† Equipped with hydraulic pressure gauge No. 11543.

Tool Description	Class and size of bearing assembly TBU & SP "Metric Tooling"			
	120	130	140	150
Pulling Shoe Insert Adapter	No. 351830	No. 30512	No. 30521	No. 253318
Guide Tube & Cap Screw Assembly	No. 253341	No. 253341	No. 253343	No. 253344
Cap Screw**	No. 253339	No. 253394	No. 253339	No. 253395
Guide Tube Adapter	No. 21247	No. 21247	No. 21247	No. 21247
Installing Tube Adapter Ring	No. 253335	No. 253336	No. 253337	No. 253338

TOOLING ORDER INFORMATION

IMPORTANT...This tooling chart applies only to standard AAR configurations for freight care applications. In order to provide adapters needed to service housing-type locomotive and passenger car bearings, as well as metric bearings, Power Team must be provided with the following information: bearing manufacturer's name and general arrangement drawing number, size of bearing to be serviced, railroad name and location and part numbers of adapters already in your possession if you currently own a Puller/Installer.

TOOLING INFORMATION

Tool Description	Class and size (mm) of bearing assembly to be serviced									
	Class B 108 x 203	Class C 127 x 229	Class D 140 x 254	Class E 152 x 279	Class EE 140 Axle	Class EE 152 Axle	Class F 165 x 305	Class G 178 x 305	Class G 165 Axle	Class GG 165 Axle
Pulling Shoe	No. 420845 is included as part of basic machine – Do Not Order							No. 420846	No. 420846	No. 420846
Pulling Shoe Insert Adapter	No. 30522	No. 30512	No. 30521	No. 30520	No. 30520	No. 30519	No. 30519	No Adapter Needed	No Adapter Needed	No Adapter Needed
Guide Tube & Cap Screw Assembly	No. 253313	No. 253314	No. 253317	No. 253318	No. 253316	No. 253327	No. 253320	No. 253321	No. 253319	No. 253323
Cap Screw**	No. 253156	No. 253349	No. 253308	No. 253155	No. 253307	No. 253308	No. 253310	No. 253326	No. 253309	No. 253309
Guide Tube Adapter	No. 23934	No. 21248	No. 12148	No. 21247	No. 21247	No. 21247	No. 21247	No. 21247	No. 21247	No. 21247
Installing Tube	No. 420845 is included as part of basic machine – Do Not Order							No. 30417	No. 30417	No. 30417
Installing Tube Adapter Ring	No. 21242	No. 21258	No. 21256-1	No. 21255-1	No. 21255-1	No. 21257-1	No. 21257-1	No. 30586	No. 30585	No. 30585

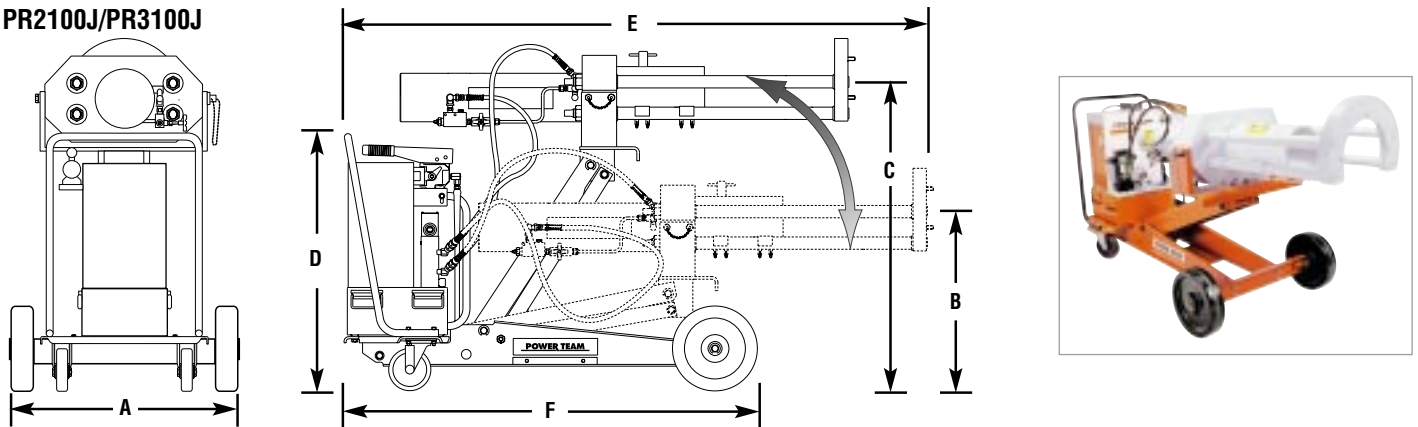
Note: Adapters listed above are for servicing the following roller bearing assemblies: Brenco "Crown-Taper", New Departure-Hyatt "Hy-Roll Taper", SKF "Expediter" and Timken "AP".

** Screws are supplied with the guide tube and should be ordered as replacements only.

DIMENSIONS & SPECIFICATIONS

Order No.	Stroke	Capacity (Tons)		Speed (mm/min.)			A	B	C	D	E	F	Weight (kg)
		Pull	Inst.	Advance	Pull	Inst.							
PR2100J	394 mm	100	68	900	81	113	813 mm	383 mm	1059 mm	912 mm	1981 mm	1493 mm	528
PR3100J	394 mm	100	68	900	81	113	813 mm	383 mm	1059 mm	912 mm	1981 mm	1493 mm	520
PR2100S	394 mm	100	68	900	81	113	619 mm	279 mm	—	1283 mm	1632 mm	985 mm	455
PR3100S	394 mm	100	68	900	81	113	619 mm	279 mm	—	1283 mm	1632 mm	985 mm	458

PR2100J/PR3100J



PR2100S/PR3100S

