

# Parts catalogue

- Bushings
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**Please take notice :**

**Pictures displayed in catalogue may differ from actual parts being represented.**








## Bushings

**Caution : Polymax bushings must be align-bored to proper i.d. due to s-cam bearing variance**

	Part #	Euclid/Meritor/Spicer Part # equivalent	Description	Seals Included	O-Rings Included
	<b>PLT 2380 - 2</b>		Steel mounting plates for PM 2380 bushing Provided with Haldex actuator pin mounting slot. Powder coated and baked, black finish  Shipped as a pair		
	<b>PM 125</b>	Euclid E-536 Nylon E-667 Bronze Meritor 1225-L1208 Nylon 1225-R-512 Bronze	Bronze bushing with internal lube groove, 1-7/8" o.d. X 1 1/2" i.d. X 1 1/4" long		
	<b>PM 125-HD</b>	Euclid E-536 Nylon E-667 Bronze Meritor 1225-L1208 Nylon 1225-R-512 Bronze	Bronze bushing with internal lube groove, Comes with Heavy-duty double lipped seals Requires installation of ER-10 or ER-20 breather system. 1-7/8" o.d. X 1 1/2" i.d. X 1 1/4" long	<b>2</b>	
	<b>PM 125-T</b>	Euclid E-536 Nylon E-667 Bronze Meritor 1225-L1208 Nylon 1225-R-512 Bronze	Bronze bushing with internal lube groove, and external alignment slot for grease hole alignment 1-7/8" o.d. X 1 1/2" i.d. X 1 1/4" long		
	<b>PM 150-01 OS PM 150-02 OS</b>		Over-sized bronze bushing with internal lube groove and external alignment slot for grease hole alignment. Replaces PM 150-T ( 1st & 2nd over size ) 1-15/16" o.d. X 1 1/2" i.d. X 1 1/2" 1 long 2" o.d. X 1 1/2" i.d X 1 1/2" long	<b>2</b>	
	<b>PM 150-01 OS-HD PM 150-02 OS-HD</b>		Over-sized bronze bushing with internal lube groove and no external slot for lube hole alignment. Replaces PM 150-T ( 1st & 2 nd over size ) Requires installation of ER-10 / ER-20 breather system Come with Heavy-duty double lip seals. 1-15/16" o.d. X 1 1/2" i.d. X 1 1/2" 1 long 2" o.d. X 1 1/2" i.d X 1 1/2" long	<b>2</b>	
	<b>PM 150610</b>	Euclid E-9789 Bronze Spicer M16HD106 Bronze	Bronze bushing with internal lube groove, and external alignment slot for grease hole alignment. 2" o.d. X 1-5/8" i.d. X 1 1/2" long		
	<b>PM 150610-HD</b>	Euclid E-9789 Bronze Spicer M16HD106 Bronze	Bronze bushing with internal lube groove , Comes with Heavy-duty double lipped seals Requires installation of ER-10 or ER-20 breather system. 2" o.d. X 1-5/8" i.d. X 1 1/2" long	<b>2</b>	
	<b>PM 150610-02</b>		Over-sized bronze bushing with internal lube groove and external alignment slot for grease hole alignment. Replaces PM 150610 ( !st over size ) 2-1/8" o.d. X 1-5/8" i.d. X 1 1/2" long	<b>2</b>	
	<b>PM 150610-02-HD</b>		Over-sized bronze bushing with internal lube groove and external alignment slot for grease hole alignment. Replaces PM 150610 ( !st over size ) Come with Heavy-duty double lip seals. Requires installation of ER-10 or ER-20 breather system. 2-1/8" o.d. X 1-5/8" i.d. X 1 1/2" long	<b>2</b>	

	Part #	Euclid/ Meritor/ Spicer Part # equivalent	Description	Seals Included	O-Rings Included
	PM 150-T	Euclid E-759 Nylon E- 807 Bronze Meritor R-617003 Spicer M10WJ118 Nylon M16HD100 Bronze	Bronze bushing with internal lube groove, and external alignment slot for grease hole alignment. 1-7/8" o.d. X 1 1/2" i.d. X 1 1/2" long		
	PM 150-HD	Euclid E-759 Nylon E- 807 Bronze Meritor R-617003 Spicer M10WJ118 Nylon M16HD100 Bronze	Bronze bushing with internal lube groove, without external alignment slot for grease hole alignment. Come with Heavy-duty double lip seals. Requires installation of ER-10 or ER-20 breather system. 1-7/8" o.d. X 1 1/2" i.d. X 1 1/2" long	2	
	PM 151 STD PM 152 STD		Oversized bronze bushing with internal lube groove, and external alignment slot for grease hole alignment. <b>Does not permit the use</b> of the "OPTIMUM-CONTACT" aligned boring system. 1-15/16" o.d. X 1 1/2" i.d. X 1 1/2" 1 long 2" o.d. X 1 1/2" i.d. X 1 1/2" long	2	
	PM 161-T	Euclid E-2690-A Nylon E-2670 bushing kit Meritor 1225N1158 Nylon	Bronze bushing with internal lube groove, and external alignment slot for grease hole alignment. 2" o.d. X 1-5/8" i.d..X 1-1/8" long		
	PM 161-T -HD	Euclid E-2690-A Nylon E-2670 bushing kit Meritor 1225N1158 Nylon	Bronze bushing with internal lube groove, without external alignment slot for grease hole alignment Come with Heavy-duty double lip seals. Requires installation of ER-10 or ER-20 breather system. 2" o.d. X 1-5/8" i.d..X 1-1/8" long	2	
	PM 161-T -O2		Over-sized bronze bushing with internal lube groove and external alignment slot for grease hole alignment. Replaces PM-161-T 2-1/8" o.d. X 1-5/8" i.d..X 1-1/8" long	2	
	PM 161-T-O2-HD		Over-sized bronze bushing with internal lube groove and external alignment slot for grease hole alignment. Replaces PM-161-T Come with Heavy-duty double lip seals. Requires installation of ER-10 or ER-20 breather system. 2-1/8" o.d. X 1-5/8" i.d..X 1-1/8" long	2	
	PM 1625 FRU-A	Euclid E-1567-A Nylon Fruehauf AXA-0413-900	Standard 1 5/8" i.d. Fruehauf type bronze 2 part bushing featuring an incorporated grease seals to prevent infiltration of contaminants. 2 parts included	2	
	PM 1625 FRU-B PM 1625 FRU-C		Oversized 1 5/8" i.d. Fruehauf type bronze 2 part bushing featuring an incorporated grease seals to prevent infiltration of contaminants. 2 parts included Replaces PM 1625 FRU-A	2	

	Part #	Euclid/ Meritor/ Spicer Part # equivalent	Description	Seals Included	O-Rings Included
	PM 1932-ST	Euclid E-1577A Nylon Fruehauf ACD-2285-900	Bronze Bushing with internal lube groove For 1-19/32" dia. camshafts		2
	PM 2015-NTX		Bronze bushing with internal lube groove, and external alignment slot for grease hole alignment. Replacement part for INTRAAX suspensions. 2" o.d. X 1 1/2" i.d. X 1 1/2" long		
	PM 2015-NTX-HD		Bronze bushing with internal lube groove , comes with heavy-duty dust seals Requires installation of ER-10 or ER-20 breather system. 2" o.d. X 1 1/2" i.d. X 1 1/2" long Replaces PM 2015- NTX		
	PM 2125-P	Euclid E-1318A Meritor A-3105-V-282	Bronze Bushing with internal lube groove, Inside 2 steel cups flanges For 1 1/2" dia. camshafts		2
<b>DISCONTINUED / REPLACED BY PM 2380</b>					
	PM 2380	Euclid E- 1318 - HD	Bronze Bushing with internal lube groove, and 2 O- ring grooves for WV - 130 seals (see page 6)  Steel mounting flanges available asw a pair part # PLT 2380 - 2 (see page 3)  I.D. 1 1/2" dia.	2	
	PM 2500-Z	Euclid E-2102 Nylon Meritor R617002 Nylon	Bronze Bushing with internal lube groove For 1 1/2" dia. camshafts	2	
	PM 2500-Z-HD		Bronze Bushing with internal lube groove For 1 1/2" dia. Camshafts Comes with Heavy-duty double lipped seals and breather system	2	
	PM 4158	Euclid E-6076 Meritor A3105-L-1078	Standard steel bushing fitted with a bronze bushing, ready for the "OPTIMUM-CONTACT" aligned boring system. For 1 5/8" dia. Camshafts		
	PM 4158-HD		<b>CORE CHARGE FOR THIS ITEM</b> Standard steel bushing fitted with a bronze bushing, ready for the "OPTIMUM-CONTACT" aligned boring system. For 1 5/8" dia. Camshafts Comes with Heavy-duty double lipped seals and breather system <b>CORE CHARGE FOR THIS ITEM</b>	2	

	<b>Part #</b>	<b>Description</b>
	<b>CP-5-100</b>	Cap plugs for grease fittings Prevent dirt from setting onto the fitting. Bags of 100 pcs.
	<b>ER-10</b>	1/8" NPT breather kits with 1" straight tube Used for Heavy-Duty applications Contains kit for 1 wheel
	<b>ER-20</b>	1/8" NPT breather kits with 2" straight tube Used for Heavy-Duty applications Contains kit for 1 wheel
	<b>R-25</b>	Water tight spring -loaded breather, Used in HD applications on drive axles.
	<b>SL-1500-01</b>	Seal for PM 150-01-os bushing (single lipped)
	<b>SL-1500-01-HD</b>	Seal for PM 150-01-HD bushing (double lipped)
	<b>SL-1500-02</b>	Seal for PM 150-02-os bushing (single lipped)
	<b>SL-1500-02-HD</b>	Seal for PM 150-02-HD bushing (double lipped)
	<b>SL-1500-HD</b>	Seal for PM 150-HD bushing (double lipped)
	<b>SL-1625-01</b>	Seal for PM 161-T-01 and 150610-01 bushing (single lipped)
	<b>SL-1625-01-HD</b>	Seal for PM 161-T-01-HD and 150610-01-HD bushing (double lipped)
	<b>SL-1625-02</b>	Seal for PM 161-T-02 and 150610-02 bushing (single lipped)
	<b>SL-1625-02-HD</b>	Seal for PM 161-T-02-HD and 150610-02-HD bushing (double lipped)
	<b>SL-1625-FRU</b>	Seal for PM 1625-FRU-A bushing
	<b>SL-1625-HD</b>	Seal for PM 161-T-HD and 150610-HD bushing (double lipped)
	<b>SL-2380-HD</b>	Heavy-duty "O - Quad-Ring" for PM 2380-HD bushing
	<b>WV - 130</b>	Standard seal for PM 2500-Z bushing.

## Seals and O-ring information

The following bushings are shipped with O-rings and seals included;

PM 2125-P	PM 161-T-02
PM 2380	PM 150610-02
PM 2500-Z	PM 1932-ST
PM 150-01-OS	PM 151 STD
PM 150-02-OS	PM 152 STD

The following bushings are **"not"** shipped with O-rings and seals.  
Please use the matching part numbers described hereafter ;

PM 4158	EUCLID# E-2405 Rockwell# 1205-U-1451 Dimensions ( 1 5/8" X 2" X 1/4")
PM 161-T PM 150610	EUCLID# E-3991 Dimensions ( 1 5/8" X 2" X 3/16")
PM 150-T	EUCLID# E-1416 Rockwell# 1205-M-1105 Dimensions ( 1 1/2" X 1 7/8" X 3/16" )
PM 2015-NTX	EUCLID# E-2717
PM 125	EUCLID# E-654 Rockwell# 1205-V-1556 or 1705-M-143

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## Seals for Heavy-Duty applications

PM 125 – HD Is not yet available.

PM 150-T-HD Is composed of the following parts (all sold separately)

- 1- PM 150-T Bushing
- 2- SL-1500-HD Seals
- 1- ER-10 or ER-20 Breather assy.

PM 150-02-os-HD Is composed of the following parts (all sold separately)

- 1- PM 150-02-os Bushing
- 2- SL-1500-02-HD Seals
- 1- ER-10 or ER-20 Breather assy.

PM 150610 – HD Is composed of the following parts (all sold separately)

- 1- PM 150610 Bushing
- 2- SL-1625-02-HD Seals
- 1- ER-10 or ER-20 Breather assy.

PM 2015 – NTX – HD Is composed of the following parts (all sold separately)

- 1- PM 2015 - NTX Bushing
- 2- SL-1500-02-HD Seals
- 1- ER-10 or ER-20 Breather assy.

PM 2380 -HD Is composed of the following parts (all sold separately)

- 1- PM 2500-Z Bushing
- 2- WV-130 Seals
- 2- SL-2380-HD Seals
- 2- SL-2500-HD-SWC Seals

PM 2500-Z-HD Is composed of the following parts (all sold separately)

- 1 PM 2500-Z Bushing
- 2- WV-130 Seals
- 2- SL-2500-HD-SWC Seals



PM 4158 – HD Is composed of the following parts (all sold separately)

- 1- PM 4158 Bushing
- 2- SL-1625-02-HD Seals
- 1- ER-10 or ER-20 Breather assy.








## TOOL KITS

These items are sold as kits only. Replacement parts can be found in individual parts section.  
Kits are shown as examples only, real appearance may differ from printed photos,

	Part #	Description
	<b>CO 1500</b>	<p><b>"OPTIMUM-CONTACT"</b> Aligned boring tool set For <b>1-1/2"</b> dia. Camshafts ranging from <b>8" to 27"</b> 10 pcs.</p>
	<b>CO 1625</b>	<p><b>"OPTIMUM-CONTACT"</b> Aligned boring tool set For <b>1-1/2"</b> and <b>1-5/8"</b> dia. Camshafts ranging from <b>8"</b> to <b>27"</b> 12 pcs.</p>
	<b>CO 1625-CK</b>	<p><b>"OPTIMUM-CONTACT"</b> <b>1-5/8"</b> complete conversion kit Includes everything needed to install, align, and align bore components for most <b>1-5/8"</b> camshafts systems ( <b>CO-1500 Add-on</b> ) 7 pcs.</p>
	<b>SP-2000</b>	<p><b>SPIDER + PLUS</b> Spider bushing channel over sizing tool set Performs first and second oversizes on all spiders equipped with <b>1-1/2"</b> camshafts. 6 pcs.</p>

	<p><b>SP-2125</b></p>	<p><b>SPIDER + PLUS</b> Spider bushing channel over sizing tool set Performs first and second oversizes on all spiders equipped with <b>1-1/2"</b> and <b>1-5/8"</b> camshafts. 9 pcs.</p>
	<p><b>SP-2125-CK</b></p>	<p><b>SPIDER + PLUS 1-5/8"</b> complete conversion kit This ( <b>SP-2000 add-on</b> ) kit includes all the tooling needed to perform first and second oversize on all spiders equipped with <b>1-5/8"</b> camshafts. 3 pcs.</p>
	<p><b>BDK-100</b></p>	<p><b>Bushing &amp; seal driver kit</b> Installation kit for "<b>OPTIMUM-CONTACT</b>" bushings and dust seals for <b>1-1/2"</b> camshaft applications. 9 pcs.</p>
	<p><b>BDK-200</b></p>	<p><b>Bushing &amp; seal driver kit</b> Installation kit for "<b>OPTIMUM-CONTACT</b>" bushings and dust seals for <b>1-1/2"</b> and <b>1-5/8"</b> camshaft applications. 17 pcs.</p>
	<p><b>TMP-200</b></p>	<p><b>Precision measurement kit</b> Includes a <b>1" to 2"</b> digital micrometer and a magnetic based dial gauge indicator conveniently encased in a rugged plastic toolbox. 3 pcs.</p>

## ACCESSORIES

	Part #	Description
	<b>BTDK-200</b>	<b>Breather installation kit For ER-10 and ER-20 breather kits</b>
	<b>CDR-700</b>	<b>½" square drive conversion chuck for "RIDGID 700" power driver</b>
	<b>CHR-700</b>	<b>Mobile support dolly for "RIDGID 700" power driver</b>
	<b>HCZ-100</b>	<b>Heavy-duty cutting oil (recommended for SP-200)</b>
	<b>RGD-700</b>	<b>RIDGID "700" POWER DRIVER</b>
	<b>TACP-2000</b>	<b>Forward thrust application kit ( SP-2000 add-on ) 4 pcs.</b>
	<b>TP-2500</b>	<b>"Tube enclosure" to "OPTIMUM-CONTACT" conversion template and guide kit</b>  Hole pattern alignment template specially configured to ease conversion of centre holding brackets to refit original bushings after being modified to hold tube enclosures. <b>Made to refit PM 2500-Z bushings.</b> 2 pcs.

**Individual parts catalogue for "OPTIMUM-CONTACT" and SPIDER +**

	<b>Part #</b>	<b>Description</b>
	<b>ACP 2000</b>	Axle thrust coupler (TACP 2000)
	<b>ARCO 007</b>	Reamer holder (Arbour) for CO 1500
	<b>ARSP 008</b>	Reamer holder (Arbour) for SP 2000
	<b>ARSP 009</b>	Reamer holder (Arbour) for SP 2125 CK
	<b>BAC 1500</b>	1 1/2" bushing alignment sleeve
	<b>BAC 1625</b>	1 5/8" bushing alignment sleeve
	<b>BAC 1932</b>	1 19/32" bushing alignment sleeve
	<b>BB-500</b>	Centering bushing for TB-63
	<b>BC 2000</b>	Thrust applicator arm (TACP 2000)
	<b>C 1000</b>	CO 1500 Sliding cone
	<b>C 2000</b>	SP 2000 Sliding cone
	<b>CP-5-100</b>	Cap plugs for grease fittings ( zerts ) 100/pkg.

**Individual parts catalogue for "OPTIMUM-CONTACT" and SPIDER +**

	<b>Part #</b>	<b>Description</b>
	<b>DSP-500</b>	Double split collar (TPE-2000)
	<b>ER-10</b>	Breather assembly with 1" extension ( kit )
	<b>ER-20</b>	Breather assembly with 2" extension ( kit )
	<b>ES-16500</b>	Brake shoe splitter ( for 14 1/2"to 16 1/2" brakes )
	<b>EXT-16-15</b>	Cam bushing extractor for 1-1/2" and 1-5/8" cams
	<b>FLW-436</b>	Flat washer for BDK 100 (tempered steel)
	<b>FPW - 100</b>	Flap wheel 100 grit
	<b>FPW - 80</b>	Flap wheel 80 grit
	<b>HCZ-100</b>	Heavy-Duty cutting oil
	<b>LP-250</b>	1/4" O.D. Lock pin (TACP-2000)
	<b>LTY-30</b>	Low strength Loc-Tite (yellow)
	<b>MMD-200</b>	1" to 2" Digital micrometer (TMP-200)
	<b>ORG-216</b>	O-Ring for C 1500 sliding cone
	<b>ORG-218</b>	O-Ring for C 2000 sliding cone
	<b>ORG-222</b>	O-Ring for PM 2500-Z bushing
	<b>ORG-223</b>	O-Ring for PM 1932 ST bushing
	<b>ORG-325</b>	O-Ring for PM 2125-P bushing

**Individual parts catalogue for "OPTIMUM-CONTACT" and SPIDER +**

	<b>Part #</b>	<b>Description</b>
	<b>P 1000-06</b>	CO 1500 9" Pilot shaft
	<b>P 1000-14</b>	CO 1500 15" Pilot shaft
	<b>P 1000-26</b>	CO 1500 27" Pilot shaft
	<b>P 2000-26</b>	SP 2000 26" Pilot shaft
	<b>PDG-200</b>	Precision dial gauge (TMP-200)
	<b>PMB-200</b>	Portable magnetic base (TMP-200)
	<b>RA 1625</b>	Centering flange for 1 5/8" bushings
	<b>RC 1500</b>	Centering flange for 1 1/2" bushings
	<b>RJ 1500</b>	1 1/2" dust seal installer flange
	<b>RJ 1625</b>	1 5/8" dust seal installer flange
	<b>RT 1500-250</b>	1 1/2" bushing installer flange with 1/4" shoulder
	<b>RT 1500-313</b>	1 1/2" bushing installer flange with 5/16" shoulder
	<b>RT 1500-375</b>	1 1/2" bushing installer flange with 3/8" shoulder
	<b>RT 1625-188</b>	1 5/8" bushing installer flange with 3/16" shoulder
	<b>RT 1625-250</b>	1 5/8" bushing installer flange with 1/4" shoulder
	<b>RT 1625-313</b>	1 5/8" bushing installer flange with 5/16" shoulder
<b>RT 1625-375</b>	1 5/8" bushing installer flange with 3/8" shoulder	
	<b>SFX -20</b>	Coupler fixation strap (TACP 2000)

## Individual parts catalogue for "OPTIMUM-CONTACT" and SPIDER +

	<b>Part #</b>	<b>Description</b>
	<b>SR-1494</b>	1.494" Diameter shell reamer
	<b>SR-1496</b>	1.496" Diameter shell reamer
	<b>SR-1497</b>	1.497" Diameter shell reamer
	<b>SR-1498</b>	1.498" Diameter shell reamer
	<b>SR-1500</b>	1.500" Diameter shell reamer
	<b>SR-1503</b>	1,503" Diameter shell reamer
	<b>SR-1619</b>	1.619" Diameter shell reamer
	<b>SR-1622</b>	1.622" Diameter shell reamer
	<b>SR-1625</b>	1.625" Diameter shell reamer
	<b>SR-1938</b>	1.938" Diameter shell reamer
	<b>SR-2000</b>	2.000" Diameter shell reamer
	<b>SR-2060</b>	2.060" Diameter shell reamer
<b>SR-2122</b>	2.122" Diameter shell reamer	
	<b>TB-63</b>	Thrust bearing
	<b>TE-275</b>	2 3/4" hexagonal stubb for seal installer
	<b>TE-900</b>	9" hexagonal stubb
	<b>TF-002</b>	2 1/2" Threaded rod for seal installer tool
	<b>TF-008</b>	8" Threaded rod for BDK 100
	<b>TF-012</b>	12" Threaded rod for BDK 100
	<b>TF-016</b>	15" Threaded rod for BDK 100
	<b>TPE 2000</b>	Thrust driver extension (TACP 2000)

