

# Steering Pumps

from Bosch

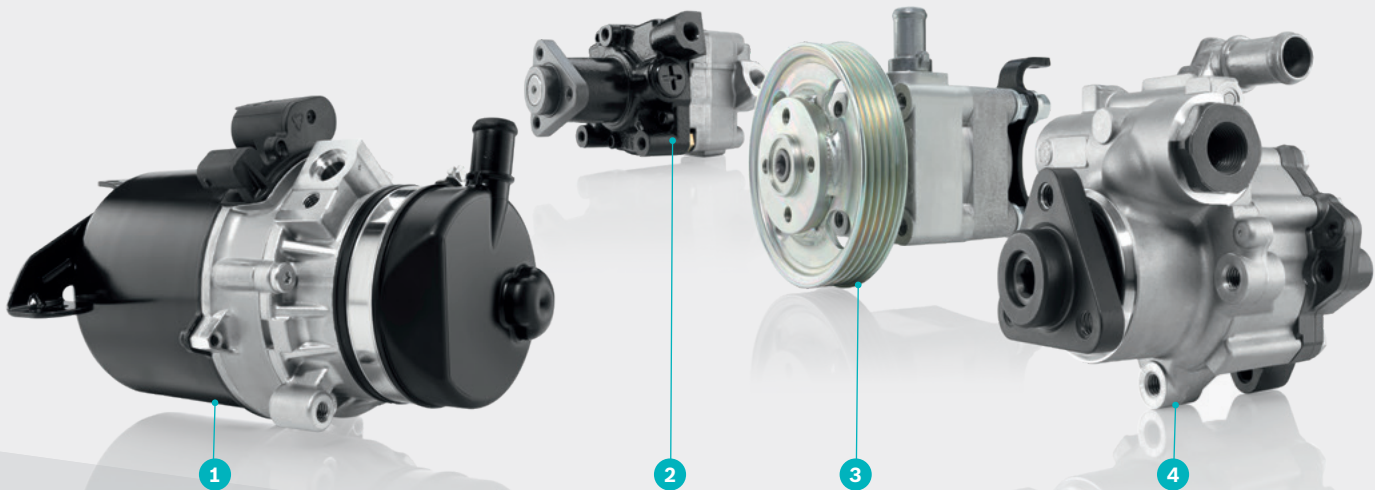
## Automotive

Steering pumps are the heart of any hydraulic power steering system, delivering high-pressure fluid to the steering gear or cylinder.



**BOSCH**

Invented for life



### Product Benefits

- ▶ **Electro-hydraulic (EHPS)** – offers the hybrid solution of fuel-saving electric power on demand
- ▶ **Tandem pump** – produces two independent volume flows
- ▶ **Vane pump** – provides high efficiency along with high adaptability, due to its compact size
- ▶ **Variable displacement pump** – provides essential energy savings to hydraulic steering systems – and depending on the pump speed, the pump displacement is adjusted to the required fluid flow

- 1 Electro-hydraulic pump (EHPS)
- 2 Tandem pump (vane pump with attached fuel pump)
- 3 Vane pump
- 4 Variable displacement pump (Varioserv)

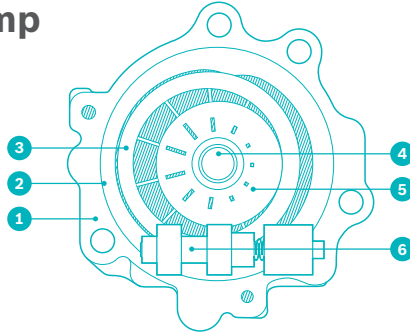


# Dependable Supply

Bosch Power Steering Pumps are designed to generate a sufficient amount of oil flow required for the operation of a hydraulic steering system in automotive and light-duty applications.

## Varioserv Pump

- 1 Cover with flange
- 2 Outer ring
- 3 Cam ring
- 4 Shaft
- 5 Rotor with vanes
- 6 Control valve

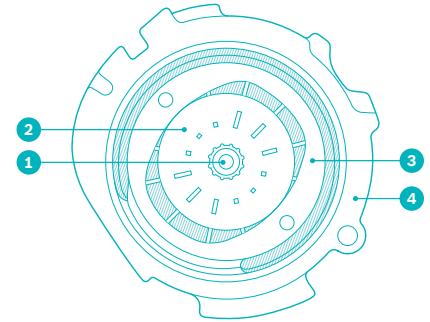


# Applications

consist of European vehicles as well as Domestic brands. Bosch steering coverage of the European segment is one of the most comprehensive in the market offering a quality second to none.

## Vane Pump

- 1 Shaft
- 2 Rotor with vanes
- 3 Cam ring
- 4 Cover



## Did you know?

In 2015 the Bosch Group acquired ZF Friedrichshafen AG's 50-percent share in the joint venture ZF Lenksysteme GmbH (ZFLS). As a result, ZFLS is now Robert Bosch Automotive Steering GmbH.

To assist you with the transition from **ZFLS to Bosch**, please refer the **buyers guide** below. Comprehensive Bosch Steering applications are included in all major online catalogs and on our websites.

Bosch Part Number	ZFLS Part Number	Condition	Applications	OE Number
KS00000533	7691955501	New	<b>Volkswagen:</b> 2000-2005 Beetle, 1992-1994 Corrado, 1995-2006 Golf, 1994-2005 Jetta, 1993-1997 Passat	1J0422154HX
KS01000503	7691955241	Remanufactured	<b>Volkswagen:</b> 2000-2005 Beetle, 1992-1994 Corrado, 1995-2006 Golf, 1994-2005 Jetta, 1993-1997 Passat	1J0422154HX
KS01001752	7697955172	Remanufactured	<b>Ford:</b> 2011-2015 F-250 Super Duty, 2011-2015 F-350 Super Duty, 2011-2015 F-450 Super Duty, 2011-2015 F-550 Super Duty	BC3Z3A696C
KS00002719	7618955564	New	<b>Jeep:</b> 2007-2011 Wrangler	52059899AE
KS00001919	7697955171	New	<b>Ford:</b> 2011-2015 F-250 Super Duty, 2011-2015 F-350 Super Duty	BC3Z3A696A
KS01001751	7697955171	Remanufactured	<b>Ford:</b> 2011-2015 F-250 Super Duty, 2011-2015 F-350 Super Duty	BC3Z3A696A
KS00001913	7696955160	New	<b>Ford:</b> 2011-2015, 2017 Expedition <b>Lincoln:</b> 2011-2014 Navigator	BL1Z3A696A
KS01001745	7696955160	Remanufactured	<b>Ford:</b> 2011-2015, 2017 Expedition <b>Lincoln:</b> 2011-2014 Navigator	BL1Z3A696A
KS01000604	7692955558	Remanufactured	<b>Mercedes-Benz:</b> 2006 CLK350, 2006-2007 C230, 2006 C280, 2006 C350, 2007-2012 GL450, 2008-2012 GL550, 2006-2011 ML350, 2008-2011 ML550, 2006-2009 R350, 2006-2007 SLK280, 2006-2007 SLK350	0044667801
KS00000756	7696974139	New	<b>BMW:</b> 2008-2013 128i, 2006-2011 323i, 2006 325i, 2007-2013 328i, 2006 330i	32416783286
KS01000695	7695900111	Remanufactured	<b>Mercedes-Benz:</b> 2012-2015 E350, 2015-2017 E400, 2017-2019 SLC43 AMG, 2012-2016 SLK350	0064665701
KS00001898	7693955172	New	<b>Ford:</b> 2011-2014 E-150, 2011-2014 E-250	BC2Z3A696B
KS01001730	7693955172	Remanufactured	<b>Ford:</b> 2011-2014 E-150, 2011-2014 E-250	BC2Z3A696B
KS01001746	7696955166	Remanufactured	<b>Ford:</b> 2011-2015, 2017 E-350 Super Duty, 2011-2015 E-450 Super Duty	BC2Z3A696A
KS01000069	7613955146	Remanufactured	<b>Volvo:</b> 2004-2009 S60, 2004-2007 V70, 2003-2007 XC70	36050560
KS01000621	7613955141	Remanufactured	<b>Volvo:</b> 2000-2004 C70, 2001-2004 S60, 2000 S70, 1999-2004 S80, 2000-2004 V70	8251736
KS01000533	7691955501	Remanufactured	<b>Mercedes-Benz:</b> 1998-2003 CLK320, 1999-2003 CLK430, 2001-2002 CLK55 AMG, 2003-2006 CL55 AMG, 1998-2000 C280, 1998-2000 C43 AMG, 1998-2002 E320, 1998-2002 E430, 1999-2002 E55 AMG, 2001-2004 SLK320, 1999-2002 SL500, 2000-2002 S500, 2003-2006 S55 AMG	0024661201
KS01000120	7625955146	Remanufactured	<b>Mini Cooper:</b> 2002-2008	32416778424
KS01000598	7692955518	Remanufactured	<b>Mercedes-Benz:</b> 2004-2005 CLK320, 2003-2006 CLK500, 2003-2006 CLK55 AMG, 2001-2005 C240, 2001-2005 C320, 2005-2006 C55 AMG, 2005-2010 SLK55 AMG	0024669701
KS01000507	7691955235	Remanufactured	<b>Audi:</b> 2000-2001 A4, 1999-2002 A4 Quattro <b>Volkswagen:</b> 1998-2005 Passat	8D0145156K
KS01001520	7613955565	Remanufactured	<b>Chevrolet:</b> 2008-2012 Malibu <b>Pontiac:</b> 2007-2009 G6 <b>Saturn:</b> 2007-2009 Aura	15859434
KS01000594	7692955510	Remanufactured	<b>Mercedes-Benz:</b> 2003-2005 E320, 2000-2006 S430, 2000-2006 S500, 2001-2006 S55 AMG	0024668601
KS01000704	7695955143	Remanufactured	<b>Mercedes-Benz:</b> 2010-2011 E350, 2010-2011 E550	0064664501
KS00000581	7691974508	New	<b>BMW:</b> 2001-2003 525i, 1997-2000 528i, 2001-2003 530i	32411 097149
KS01000551	7691974508	Remanufactured	<b>BMW:</b> 2001-2003 525i, 1997-2000 528i, 2001-2003 530i	32411092742
KS01000614	7692974131	Remanufactured	<b>Volvo:</b> 2007-2014 XC90	31201648
KS01000625	7692974526	Remanufactured	<b>BMW:</b> 2001-2006 X5	32416757914
KS01000696	7695900112	Remanufactured	<b>Mercedes-Benz:</b> 2013-2015 GLK350, 2012-2013 R350	0064666101
KS01000703	7695955138	Remanufactured	<b>Mercedes-Benz:</b> 2010-2012 GLK350	0064662301
KS01000588	7692955237	Remanufactured	<b>Land Rover:</b> 2010-2015 LR4, 2010-2013 Range Rover Sport	LR014089
KS01001735	7693955294	Remanufactured	<b>Ram:</b> 2014-2015 ProMaster 1500, 2014-2015 ProMaster 2500, 2014-2015 ProMaster 3500	68214885AA
KS00000705	7693955407	New	<b>Mercedes-Benz:</b> 2013-2015 C250	6466360180
KS01000675	7693955407	Remanufactured	<b>Mercedes-Benz:</b> 2013-2015 C250	0064663601
KS00000623	7692955509	New	<b>Mercedes-Benz:</b> 1998-2000 ML320, 1999-2001 ML430, 2002-2005 ML500, 2000-2003 ML55 AMG	24668101
KS01000593	7692955509	Remanufactured	<b>Mercedes-Benz:</b> 1998-2000 ML320, 1999-2001 ML430, 2002-2005 ML500, 2000-2003 ML55 AMG	0024668101
KS01000516	7691955276	Remanufactured	<b>Audi:</b> 1997-2001 A4, 1998-2001 A4 Quattro <b>Volkswagen:</b> 1998-2003 Passat	8D0145156F
KS01000602	7692955535	Remanufactured	<b>Mercedes-Benz:</b> 2001-2003 ML320, 2003-2005 ML350, 2002-2005 ML500	0034666401
KS01001720	7692955236	Remanufactured	<b>Jaguar:</b> 2014-2015 F-type, 2010-2015 XF, 2010-2015 XFR, 2013-2015 XFR-S, 2010-2015, 2017 XJ, 2014-2015, 2017 XJR, 2010-2015 XK, 2010-2015 XKR, 2012-2015 XKR-S	C2P14021
KS00001912	7696955159	New	<b>Ford:</b> 2011-2014 F-150	BL3Z3A696A
KS01001744	7696955159	Remanufactured	<b>Ford:</b> 2011-2014 F-150	BL3Z3A696A