



**MOTORPAL**

**vstřikovací trysky  
výtláčné ventily  
písty a válce**

**injection nozzles  
delivery valves  
pistons and barrels**

**распылители  
подающие клапаны  
поршни и цилиндры**





## VSTŘIKOVACÍ TRYSKY

MOTORPAL Jihlava a.s. je významným výrobcem vstřikovacích zařízení pro vznětové motory.

Mimo jiné vyrábí i celou škálu vstřikovacích trysek. Vstřikovací trysky MOTORPAL jsou trysky uzavřené, sestávající z tělesa a jehly, které tvoří individuálně, v tisícinových tolerancích přesně vyrobený celek a nelze tudíž tyto součásti libovolně zaměňovat.

Vstřikovací trysky se vyrábějí ve dvou základních typech:

- trysky čepové - označení DC, DN; používané převážně v motorech s nepřímým vstřikem paliva (s předkomůrkou)
- trysky otvorové - označení DO, DL, DOP, DLLA; používané v motorech s přímým vstřikem paliva.

Vážení odběratelé, představujeme Vám výrobní program vstřikovacích trysek vyráběných naší firmou.

## INJECTION NOZZLES

MOTORPAL Jihlava s.c.is a very important manufacturer of fuel injection devices for diesel engines.

Among others it also manufactures a whole range of injection nozzles, the catalogue of which is presented here. MOTORPAL injection nozzles are the so-called closed nozzles, consisting of a body and a needle, which form an individually, with a tolerance of thousandths of a millimeter exactly manufactured unit, the parts of which can therefore not be arbitrarily substituted.

Two basic types of injection nozzles are manufactured:

- pin nozzles - designated DC, DN ; mostly used in engines with indirect fuel injection (engines with precombustion chamber)
- hole nozzles - designated DO, DL, DOP, DLLA; used in engines with indirect fuel injection.

Dear customers, we have the pleasure to introduce to you the production programme of injection nozzles manufactured by our firm.

## РАСПЫЛИТЕЛИ

Моторпал Йгжава АО является существенным мировым производителем топливной аппаратуры для дизельных двигателей.

Кроме того производит и целый ряд распылителей. Распылители Моторпал являются распылителями закрытыми, состоящими из корпуса и иглы, которые индивидуально, в тысячных долях миллиметра, составляются точно в изготовленный комплект и поэтому нельзя эти части взаимозаменять.

Распылители производятся в двух основных типах :

- распылители штифтовые - обозначение DC, DN- применяются прежде всего в двигателях с непрямым впрыском топлива ( с передней камерой)
- распылители многодырочные - обозначение DO, DL, DOP, DLLA – применяются в двигателях с прямым впрыском топлива. Уважаемые партнеры, представляем Вам производственную программу распылителей производимых нашей фирмой.

## SEZNAM VYRÁBĚNÝCH VSTŘIKOVACÍCH TRYSK DC, DN/LIST OF AVAILABLE INJECTION NOZZLES DC, DN/ ПЕРЕЧЕНЬ ПРОИЗВОДИМЫХ РАСПЫЛИТЕЛЕЙ DC, DN

MOTORPAL	BOSCH	DELPHI / LUCAS
DC45610	-	-
DC45620	DN452	BDN452
DC65610	-	-
DC65620	DN652	BDN652
DC85610	-	-
DC85615	-	-
DC85620	DN852	BDN852
DC155615	-	-
DC155620	DN1552	BDN1552
DC305615	-	-
DC305620	DN3052	BDN3052
DC405615	-	-
DC405620	DN4052	BDN4052
DC455615	-	-
DC455620	DN4552	BDN4552
DCE105610	-	-
DCR05610-52	DNA05D188	BDN05PC6389
DCR05610-54	DNA05D178	BDN05PC6209
DCR05610-75	DNA05D178	BDN05PC6651
DCR125610-53	DNA12SD186	BDN12SPC6290
DC4T720-6128	DN4T208	-
DC6T625	-	-
DN0PDN108	DN0PDN108	BDN0PDN108
DN0PDN112	DN0PDN112	-
DN0PDN113	DN0PDN113	-
DN0PDN121	DN0PDN121	-
DN0PDN122	DN0PDN122	-
DN4PD1	DN4PD1	-

<b>MOTORPAL</b>	<b>BOSCH</b>	<b>DELPHI / LUCAS</b>
DN4PD57	DN4PD57	-
NP002RA	-	-
DN0SD21	DN0SD21	BDN0SD21
DN0SD126	DN0SD126	BDN0SD6478
DN0SD130	DN0SD130	-
DN0SD151	DN0SD151	-
DN0SD165	DN0SD165	BDN0SD165
DN0SD174	DN0SD174	-
DN0SD177	DN0SD177	-
DN0SD189	DN0SD189	BDN0SD189
DN0SD189/	DN0SD189/	-
DN0SD193	DN0SD193	BDN0SD193
DN0SD195	DN0SD195	-
DN0SD211	DN0SD211	BDN0SD211 BDN0SD514
DN0SD216	DN0SD216	BDN0SD216
DN0SD220	DN0SD220	BDN0SD220
DN0SD230	DN0SD230	BDN0SD6577 BDN0SD6577B BDN0SDZ6577
DN0SD240	DN0SD240	-
DN0SD248	DN0SD248	BDN0SD248
DN0SD252+	DN0SD252+	-
DN0SD252+/ DN0SD256	DN0SD252+/ DN0SD256	-
DN0SD256/	DN0SD256/	BDN0SD256
DN0SD256A	-	-
DN0SD259	DN0SD259	BDN0SD259
DN0SD261	DN0SD261	-
DN0SD262/-	DN0SD262/-	BDN0SD262
DN0SD263	DN0SD263	BDN0SD263
DN0SD264	DN0SD264	-
DN0SD265	DN0SD265	-
DN0SD267	DN0SD267	BDN0SD267
DN0SD269	DN0SD269	BDN0SD269
DN0SD272	DN0SD272	BDN0SD272
DN0SD273	DN0SD273	BDN0SD273
DN0SD274	DN0SD274	-
DN0SD276	DN0SD276	-
DN0SD282	DN0SD282	-
DN0SD286	DN0SD286	-
DN0SD287+	DN0SD287+	-
DN0SD288	DN0SD288	BDN0SD288
DN0SD289	DN0SD289	-
DN0SD292	DN0SD292	-
DN0SD293	DN0SD293	BDN0SD293
DN0SD294	DN0SD294	-
DN0SD297	DN0SD297	-
DN0SD297A	-	-
DN0SD299	DN0SD299	-
DN0SD299A	DN0SD299A	-
DN0SD299C	DN0SD299C	-
DN0SD300	DN0SD300	-
DN0SD301	DN0SD301	-
DN0SD302	DN0SD302	-

MOTORPAL	BOSCH	DELPHI / LUCAS
DN0SD306	DN0SD306	-
DN0SD307	DN0SD307	-
DN0SD308	DN0SD308	-
DN0SD309	DN0SD309	-
DN0SD310	DN0SD310	-
DN0SD312	DN0SD312	-
DN0SD314	DN0SD314	-
DN0SD318	DN0SD318	-
DN0SD1510	DN0SD1510	BDN0SD1510
DN0SD1930	DN0SD1930	BDN0SD1930
DN0SD2110	DN0SD2110	BDN0SD2110
DN0SDN177	DN0SDN177	-
DN0SDN187	DN0SDN187	-
DN4S1	DN4S1	BDN4S1
DN4S162	DN4S162	P1S4S437
DN4SD24	DN4SD24	BDN4SD24
DN4SD24ND80	DN4SD24NP80	-
DN4SD133	DN4SDNP133	BDN4SDND133
DN4SD340	DN4SD340	-
DN4SDND90	DN4SDNP90	-
DN4SDNP139	DN4SDNP139	-
DN6S197RV6	DN6S197	-
DN8R191	-	-
DN8S3	DN8S3	BDN8S3
DN8S138	DN8S138	-
DN10S242	DN10S242	-
DN12SD12	DN12SD12	BDN12SD12
DN12SD221	DN12SD221	BDN12SD6517
DN12SD283	DN12SD283	-
DN12SD290	DN12SD290	-
DN12SD296	DN12SD296	-
DN12SD1750	DN12SD1750	BDN12SD1750
DN15S156	DN15S156	-
M-DN0SD193	-	-
BDN0SD6577C	DN0SD266/	BDN0SD6577C
BDN4SK1	-	BDN4SK1
BDN4SP6547	-	BDN4SP6547
RDN0SD6596	-	BDN0SD6596
RDN0SDC6577B	-	-
RDN0SDC6751	-	-
RDN0SDC6751C	-	BDN0SDC6751C
RDN0SDC6751E	-	-
RDN0SDC6751H	-	-
RDN0SDC6843C	-	BDN0SDC6843C
RDN0SDC6850C	-	BDN0SDC6850C
RDN0SDC6850D	-	-
RDN0SDC6880C	-	-
RDN0SDC6887D	-	-
RDN0SDC6902	-	-
RDN0SDC6903	-	-
RDN0SPC6209	DNA0SD178	BDN0SPC6209
RDN0SPC6389	DNA0SD188	BDN0SPC6389
RDN0SPC6651	DNA0SD178	BDN0SPC6651
RDN4S2	DN4S2	BDN4S2
RDN4SD6299	DN4SD187	BDN4SD6299
RDN4SDC6868C	-	-

MOTORPAL	BOSCH	DELPHI / LUCAS
RDN4SDC6878D	-	-
RDN4SDC6886D	-	-
RDN12SD6236	DN12SD12	BDN12SD6236
RDN12SDC6849C	DN12SD328	BDN12SDC6849C
RDN12SDC6849E	-	-
RDN12SDC6862D	-	-
RDN12SDC6862E	-	-
RDN12SDC6872E	-	-
RDN12SDC6872G	-	-
RDN12SDC6874C	-	-
RDN12SPC6290	DNA12SD106	BDN12SPC6290

**SEZNAM VYRÁBĚNÝCH VSTŘIKOVACÍCH TRYSEK DO, DL/LIST OF AVAILABLE INJECTION NOZZLES DO, DL/  
ПЕРЕЧЕНЬ ПРОИЗВОДИМЫХ РАСПЫЛИТЕЛЕЙ DO, DL**

DO30S130-09	DL30S46	BDL30S46
DO30S132-09	DL30S54	BDL30S54
DO50S325-4202	-	-
DO60S530-37	-	-
DO60S530a-4203	-	-
DO95S240-4237	-	BDL95S6250
DO110S235-29	DL110S916	BDL110S6133
DO110S240-4204	DL110S1030	BDL110S6267
DO120S625-07	-	-
DO120S635-23	-	-
DO120S720	-	-
DO120S820	-	-
DO130S535-99	-	-
DO140S725	DL140S333	-
DO145S525	DL145S16	-
DO150S720	-	-
DO150S825	DL150S894	-
DO150S830	-	-
DO150S835	DL150S846	-
DO150S835-99	-	-
DO150S935-99	-	-
DO150S935-4299	-	-
DL15S1017	-	-
H60S30A538	-	-
H60S32A538	-	-
DO30T340-06	-	-
DO70T635	-	-
DO100T520	-	-
DO100T530	-	-
DO130T630	-	-
DL130T1215	DL130T1215	-
DO140T435	-	-
DO140T540	-	-
DO140T620	-	-
DO140T625	-	-
DO140T630	-	-
DO140T635	-	-
DO140T725	-	-
DO140T730	-	-
DO140T735	-	-
DO140T735-4501	-	-
DO140T830	-	-

MOTORPAL	BOSCH	DELPHI / LUCAS
D0140T835-4507	-	-
DLZ140T1157	DLZ140T1157	-
D0140T840-09	-	-
D0145T730	-	-
D0150T525	-	-
D0150T530	-	-
D0150T543-4531	-	-
D0150T625	-	-
D0150T630	-	-
D0150T830	-	-
D0150T830-4530	-	-
D0150T832-4532	-	-
D0150T835	-	-
D0150T840-09	-	-
D0150T935-4509	-	-
D0150T935-4515	-	-
D0157T935-4516	-	-
242.000601-84	-	-
242.000900-44	-	-
242.014800-64	-	-
EDL150T827-4533	-	-
EDL150T834F	-	-
D0140U546-4610	-	-
D0140U635	-	-
D0140U640	-	-
D0140U645	-	-
D0140U650-4609	-	-
D0140U665	-	-
D0140U745	-	-
D0140U750	-	-
D0140U840	-	-
D0140U845	-	-
D0140U860	-	-
D0140U935-4602	-	-
D0140U955-4606	-	-
D0150U840	-	-
D0150U842-4603	-	-
D0150U845-06	-	-
D0155U845	-	-
DOH150V965	-	-
DOH150V970	-	-

**SEZNAM VYRÁBĚNÝCH VSTŘÍKOVACÍCH TRYSK DOP, DLLA/LIST OF AVAILABLE INJECTION NOZZLES DOP, DLLA/  
 ПЕРЕЧЕНЬ ПРОИЗВОДИМЫХ РАСПЫЛИТЕЛЕЙ DOP, DLLA**

MOTORPAL	BOSCH	DELPHI / LUCAS
DOP130P528-3897	-	-
DOP135P718-3806	-	-
DOP135P720-3809	-	-
DOP140P429-3844	DLLA140P44	-
DOP140P527-3896	-	-
DOP143P434-3840	DLLA143P40	-
DOP144P438-3838	DLLA144P184/	-
DOP144P522-3885	-	-
DOP144P524-3886	-	-
DOP150P428-3830	DLLA150P30	-

MOTORPAL	BOSCH	DELPHI / LUCAS
DOP150P431-3822	DLLA150P22	-
DOP150P432-3892	DLLA150P115	-
DOP150P436-3847	DLLA150P47	-
DOP150P438-3852	DLLA150P52	-
DOP150P440-3843	DLLA150P43	-
DOP150P518-3884	-	-
DOP150P524-3872	-	-
DOP150P526-3895	-	-
DOP150P528-3868	DLLA150P421	-
DOP150P529-3848	DLLA150P48	-
DOP150P530-3867	DLLA150P167	-
DOP150P532-3849	DLLA150P49	-
DOP150P537-3831	DLLA150P31	-
DOP150P625-3804	-	-
DOP151P526-3803	-	-
DOP151P717-3876	-	-
DOP151P818-3875	-	-
DOP152P522-3898	-	-
DOP153P526-3873	-	-
DOP154P428-3890	DLLA154PN068	-
DOP155P427-3865	DLLA155P67	-
DOP155P429-3874	DLLA155P74	-
DOP155P430-3866	DLLA155P66	-
DOP155P432-3814	DLLA155P114	-
DOP155P623-3805	-	-
DOP155P624-3856	DLLA155P156	-
DOP157P429-3893	DLLA157PN090	-
DOP157P431-3894	DLLA157P4313894	-
DOP160P428-3801	-	-
DLLA134P180	DLLA134P180	-
DLLA140PN003	-	-
DLLA144P510	DLLA144P510	-
DLLA145P1715	-	-
DLLA147P360	DLLA147P360	-
DLLA149P369	DLLA149P369	-
DLLA150P61	DLLA150P61	-
DLLA150P105	DLLA150P105	-
DLLA150P145	DLLA150P145	-
DLLA152PN009	-	-
DLLA155P16	-	-
DLLA155P451	-	-
DLLA155P556	DLLA155P556	-
DLLA155PN202	-	-
DLLA160PN141	-	-
DLLA157P691	-	-
DSLA150P357	DSLA150P357	-
DSLA154P018	-	-
NLL150P9966	-	-
DOP10S241-1450	DLLA10S134	-
DOP10S242-1452	-	-
DOP18S160-1425	DLL18S418	-
DOP18S160-1455	DLL18S418	-
DOP23S160-1448	DLL23S553	-
DOP25S163-4763	DLLA25S627	-
DOP25S165-4437	DLLA25S722	-
DOP27S245-1451	DLLA27S512	-

MOTORPAL	BOSCH	DELPHI / LUCAS
DOP285244-1438	DLLA285656	-
DOP285245-4444	DLLA285441	-
DOP305162-4762	DLLA305931	-
DOP305174-4774	DLLA305678	-
DOP315154-4754	DLLA315921	-
DOP335170-1426	DLL285932	-
DOP335170-1447	DLLA355161	-
DOP355151-4751	DLLA355812	-
DOP355170-1476	DLLA355376	-
DOP355170-4443	DLLA3552180	-
DOP355170-4452	DLLA355262	-
DOP385175-4451	DLLA385541	-
DOP5055-1437	DLL505226	-
DOP5055-4458	DLL505278	-
DOP72/63S440-4119	-	-
DOP79S435-4469	DLLA79S390	-
DOP110S327-4739	-	-
DOP110S328-4455	DLL110S103	-
DOP115S430-4377	-	-
DOP115S528-4117	-	-
DOP115S530-1427	-	-
DOP115S530-4376	-	-
DOP115S533-4378	-	-
DOP115S535-1415	-	-
DOP115S535-1428	-	-
DOP115S535-4375	-	-
DOP119S534-4121	-	-
DOP120S434-4767	-	-
DOP120S436-4780	-	-
DOP120S525-1421	-	-
DOP120S527-4701	-	-
DOP120S530-4105	-	-
DOP120S531-4724	-	-
DOP120.A5	-	-
DOP122S531-4167	-	-
DOP122S532-4164	-	-
DOP122S535-4166	-	-
DOP124S430-4141	DLLA124S1001	BDLL124S6857
BDLL124S6857		
DOP125S428-4475	-	-
DOP125S627-4115	-	-
DOP125S628-4114	-	-
DOP125S722-4116	-	-
DOP125S728-4120	-	-
DOP130S525-1429	-	-
DOP131S438-4738	DLLA131S1035	-
DOP132S440-1409	-	-
DOP134S345-4103	-	-
DOP134S430-4143	DLLA134S1113	BDLL134S6860
DOP134S436-4499	DLLA134S999	-
DOP134S440-4102	-	-
DOP135.A2	-	-
DOP135S333-4162	-	-
DOP136S336-4140	DLLA136S1000	BDLL135S6858
DOP136S440-4127	DLLA136S943	-
DOP138S335-4142	DLLA138S1112	BDLL138S6859
DOP138S435-4145	DLLA138S983	-

<b>MOTORPAL</b>	<b>BOSCH</b>	<b>DELPHI / LUCAS</b>
DOP138S531-4735	DLLA138S1191	-
DOP138.A3	-	-
DOP140S335-3901	DLL140S64F DLLA141S662	BDLL140S6655
DOP140S344-3903	DLL140S56F DLLA140S563	-
DOP140S345-4368	-	-
DOP140S425-4779	DLL140S213	BDLL140S6423
DOP140S426-4483	DLL140S2150	-
DOP140S428-4485	-	BDLL140S6707 BDLL140S670CF
DOP140S428-4752	DLLA140S752	-
DOP140S429-4479	DLLA140S289	BDLL140S6581
DOP140S429-4486	DLLA140S610	BDLL140S6422 BDLL140S6622
DOP140S430-4482	DLL140S672	-
DOP140S432-3904	DLL140S37F DLLA140S242	-
DOP140S434-4487	DLL140S522	BDLL140S6644
DOP140S435-83	-	BDLL140S6306
DOP140S435-4111	-	-
DOP140S435-4341	DLL140S282	-
DOP140S435-4369	-	-
DOP140S435-4470	DLLA140S1003	-
DOP140S439-4149	DLLA140S1068	-
DOP140S440-4714	-	-
DOP140S441-4484	-	-
DOP140S443-4130	DLLA140S976	-
DOP140S530-79	-	-
DOP140S530-1422	-	-
DOP140S542-4187	-	-
DOP140S624-4118	-	-
DOP140S625-4152	-	-
DOP140S627-4113	-	-
DOP140/J1	-	-
DOP140/J2	-	-
DOP142S426-4732	-	-
DOP142S430-4428	DLLA142S791	-
DOP142S430-4797	-	-
DOP142S432-4429	DLLA142S792	-
DOP142S432-4441	DLLA142S1264	-
DOP142S434-4442	DLLA142S1266	-
DOP142S524-4733	DLLA142S1033	-
DOP142S626-4721	DLLA142S1224	-
DOP142S1142	-	-
DOP144S429-4109	DLLA144S889	-
DOP144S435-4474	DLLA144S485	-
DOP144S437-4438	DLLA144S747	-
DOP144S437-4737	DLLA144S1037	-
DOP144S438-4124	DLLA144S842	-
DOP144S440-4453	DLLA144S829	-
DOP144S534-4192	DLLA144S992	-
DOP145S428-1434	-	-
DOP145S428-4420	DLL145S54F DLLA145S507	-
DOP145S431-3902	DLLA145S448	-
DOP145S432-4425	DLLA145S69F	-

MOTORPAL	BOSCH	DELPHI / LUCAS
	DLLA145S770	
DOP145S434-4448	DLL145S73F	-
DOP145S436-4766	DLLA166S374NP6	-
DOP145S532-4197	DLLA145S1097	-
DOP145S631-4132	DLLA145S1169	-
DOP146S432-4110	DLLA146S890	-
DOP148S430-4748	-	-
DOP148/J1	-	-
DOP149S429-4473	DLLA149S774	BDLLA149S774
DOP149S430-4170	-	-
DOP149S430-4421	DLLA149S394	-
DOP149S430-4440	DLLA149S775	BDLLA149S775
DOP150S325-4796	DLLA150S396	BDLLA150S396
DOP150S330-4477	DLLA150S891	-
DOP150S335-4359	-	-
DOP150S420-4134	-	-
DOP150S423-4128	-	-
DOP150S425-4133	-	-
DOP150S425-4422	-	-
DOP150S425-4446	DLL150S917	-
DOP150S425-4488	DLL150S612	BDLL150S6554
BDLL150S6554		
DOP150S425-4495	-	BDLL150S6372
BDLL150S6372		
DOP150S425-4765	-	-
DOP150S426-4126	DLLA150S836	-
DOP150S426-4489	-	BDLL150S6561
DOP150S426-4741	-	-
DOP150S427-4129	DLLA150S974	-
DOP150S427-4454	DLLA150S720	BDLL150S6123
DOP150S427-4490	DLL150S315	BDLL150S6571
BDLL150S6571		
DOP150S427-4713	DLLA150S913	BDLL150S6780CF
DOP150S427-4719	-	-
DOP150S427-4790	-	-
DOP150S427-4792	-	-
DOP150S428-1416	-	-
DOP150S428-1435	-	-
DOP150S428-4104	-	-
DOP150S428-4456	DLL150S171	BDLL150S6225
DOP150S428-4463	DLLA150S1008	BDLL150S6602CF
BDLL150S6602CF		
DOP150S428-4464	DLLA150S1344	BDLL150S6507
DOP150S428-4476	DLLA150S788	BDLL150S6665
DOP150S428-4491	DLLA150S1052	BDLL150S6556
DOP150S428-4498	DLLA150S357	BDLL150S6310
DOP150S428-4712	-	BDLL150S6802CF
DOP150S428-4725	DLLA150S825	BDLL150S6666
DOP150S429-4471	-	BDLL150S6576C
DOP150S430-1439	-	-
DOP150S430-4123	DLLB150S821	-
DOP150S430-4169	DLLA150S690	-
	DLLA150S815	
DOP150S430-4373	DLL150S406	-
DOP150S430-4418	-	-
DOP150S430-4436	DLLA150S140	-
DOP150S430-4461	DLL150S393	-

<b>MOTORPAL</b>	<b>BOSCH</b>	<b>DELPHI / LUCAS</b>
DOP150S430-4468	DLLA150S527	-
DOP150S430-4709	DLLA150S773	-
DOP150S430-4756	DLLA150S456	-
DOP150S431-4432	DLLA150S187	BDLLA150S187
DOP150S431-4492	DLLA150S841	BDLL150S6649 BDLL150S6649CF
DOP150S431-4493	DLLA150S682	BDLL150S6476
DOP150S432-4433	DLLA150S2120	BDLLA150S2120
DOP150S432-4459	DLLA150S204	BDLLA150S204
DOP150S432-4472	-	BDLL150S6591
DOP150S432-4494	DLLA150S269	BDLL150S6395
DOP150S434-4426	DLLA150S178	-
DOP150S434-4702	DLLA150S902	-
DOP150S435-4423	-	-
DOP150S435-4465	-	BDLL150S6395
DOP150S435-4764	DLLB150S765	-
DOP150S437-4431	DLLA150S186	BDLLA150S186
DOP150S438-4101	-	-
DOP150S440-4447	DLLA150S582	BDLLA150S582
DOP150S440-4467	DLLA150S781	-
DOP150S440-4734	DLLA150S777	-
DOP150S525-1440	-	-
DOP150S525-1441	-	-
DOP150S525-1442	-	-
DOP150S527-4460	DLLA150S549	-
DOP150S530-4139	DLLA150S739	-
DOP150S530-4704	DLLA150S1304B	-
DOP150S531-4427	DLLA150S548	BDLLA150S548
DOP150S532-4136	DLLA150S1314	-
DOP150S532-4703	DLLA150S1304	-
DOP150S533-4430	DLLA150S616	-
DOP150S535-1417	-	-
DOP150S535-1443	-	-
DOP150S535-1446	-	-
DOP150S536-4125	DLLA150S838/	-
DOP150S537-4122	DLLA150S853	-
DOP150S538-4135	DLLA150S1231	-
DOP150.A2	-	-
DOP150.A38	-	-
DOP150.A42	DLL150S919/TR	BDLL150S6705CF
BDLL150S6705CF		
ZCK150S835	-	-
ZCK150S840B2	-	-
DOP151S425-4186	DLLA151S686	-
DOP151S429-4106	DLLA151S985	-
DOP151S429-4131	DLLB151S907	-
DOP151S526-4112	-	-
DOP154S432-4434	DLLA154S324N413	-
DOP154S433-4435	DLLA154S334N419	-
DOP154S434-4160	-	-
DOP154S435-4159	-	-
DOP154S438-4161	-	-
DOP155S418-4478	DLLA155S551	BDLL155S6801
DOP155S425-4783	-	-
DOP155S438-4742	DLL155S942	-
DOP155S529-4705	DLLA155SN515B	-
DOP155S531-4731	DLLA155SN710	-

MOTORPAL	BOSCH	DELPHI / LUCAS
DOP155S532-4466	DLL155S4820	-
DOP155S736-4749	DLL155S1276	-
DOP155S740-4757	DLL155S1057	-
DOP160S426-4445 BDLL160S6394	DLL160S295	BDLL160S6394
DOP160S426-4496	DLLA160S787	BDLL160S6584
DOP160S426-4729	-	BDLL160S6830
DOP160S427-4138	DLLA160S1084	-
DOP160S427-4778	-	-
DOP160S428-1449	-	-
DOP160S428-3905	DLL160S705	-
DOP160S428-4144	-	-
DOP160S428-4497	DLLA160S555 DLLA160S3273	BDLL160S6598
DOP160S430-1436	-	-
DOP160S435-4726	DLLA160S626	-
DOP160S527-4711	-	-
DOP160S625-1444	-	-
DOP160S730-1423	-	-
DOP160S825-1424	-	-
KDOP115S530-4376	-	-
KDOP120S525-1421	-	-
KDOP140S530-79	-	-
KDOP150S535-1417	-	-
ASLA145P619	-	-
B3TA	-	-
B3TA 4x029	-	-
BDLL124S6857	DLLA124S1001	-
BDLL150S6382	DLL150S324	BDLL150S6382
BDLL150S6591	-	BDLL150S6591
BDLL150S6602CF	DLLA150S1008	BDLL150S6602CF
BDLL160S6703 CF	-	BDLL160S6703 CF
DLL35S559	DLL35S559	-
DLL140S217	DLL140S217	BDLL140S6205A
DLL140S586	DLL140S586	-
DLL150S10	-	-
DLLA25S9R	-	-
DLLA27S512	DLLA27S512	-
DLLA28S656	DLLA28S656	-
DLLA35S377	DLLA35S377	-
DLLA35S2180	DLLA35S2180	-
DLLA38S208	DLLA38S208	-
DLLA134S1113	DLLA134S1113	-
DLLA134S1201	DLLA134S1201	-
DLLA136S1034	DLLA136S1034	-
DLLA136S1094	DLLA136S1094	-
DLLA140S1236	DLLA140S1236	-
DLLA140S77FS	-	-
DLLA142S354N502	-	-
DLLA142S1096	DLLA142S1096	-
DLLA142S1173	DLLA142S1173	-
DLLA144S485	DLLA144S485	-
DLLA144S8200	-	-
DLLA144S842	DLLA144S842	-
DLLA144S982	DLLA144S982	-
DLLA144S992	DLLA144S992	-
DLLA145SM012	-	-

<b>MOTORPAL</b>	<b>BOSCH</b>	<b>DELPHI / LUCAS</b>
DLLA149S1207	DLLA149S1207	-
DLLA150S417	DLLA150S417	-
DLLA150S762	DLLA150S762	-
DLLA150S1091	DLLA150S1091	-
DLLA150S1295	DLLA150S1295	-
DLLA150S2641	-	-
DLLA151S354HB86	-	-
DLLA151S972	DLLA151S972	-
DLLA152SN924	-	-
DLLA153S308	DLLA153S308	-
DLLA154S970	DLLA154S970	-
DLLA154S1086	DLLA154S1086	-
DLLA155S651	DLLA155S651	BDLLA155S651
DLLA155S718	-	-
DLLA155S738	-	-
DLLA156SN921	-	-
DLLA160S1305	DLLA160S1305	-
DLLA160SN644	-	-
DLLA160SN731	-	-
DLLB151S854	DLLB151S854	-
GD533	DLLA27S512	-
H3TA	-	-
HL120S31E940P3	-	-
HL130S26C175P3	DLL110S103	-
HL140S25D693P2	-	-
IBMDB1035C	DLLA10S134	-
NL141	-	-
NL179	DLL140S213	BDLL140S6423
NL341	DLLA140S289	BDLL140S6581
OLL160S3273	DLLA160S555 DLLA160S3273	BDLL160S6598
SE170-66-11	DLLA35S161	-
DOP140T850-24	-	-
HL130T35H418P6	-	-
DOPH140T840-5935	-	-
DOPH140T850-5933	-	-
DOPH140T955	-	-
DOPH145T835-5934	DLLF145T9	-

## VÝTLAČNÉ VENTILY, PÍSTY A VÁLCE

V následující části tohoto katalogu předkládá MOTORPAL sortiment vyráběných výtlačných ventilů a pístů s válci pro všechny velikosti vyráběných vstřikovacích čerpadel vlastní konstrukce i vyráběně náhrady těchto dílců pro čerpadla jiných výrobců.

V případě potřeby je možné vyrobit a dodat výtlačné ventily a písty s válci i podle vaší dokumentace nebo předaných vzorků.

## DELIVERY VALVES, PISTONS AND BARRELS

There is a wide assortment of MOTORPAL delivery valves, pistons and barrels for the MOTORPAL injection pumps and, as spare parts, for the other producers as well on the following pages.

## VÝTLAČNÉ VENTILY/DELIVERY VALVES/ПОДАЮЩИЕ КЛАПАНЫ

MOTORPAL	NAHRAZUJE/SUBSTITUTES/ ЗАМЕНЯЕТ
V-60041-03	-
V-60041-06	-
V-60041-09	-
V-60041-37	-
V-60041-42	-
V-60041-48	-
V-60041-53	-
V-60041-66	-
V-60041-76	-
V-60041-77	-
V-60041-79	-
V-60042-01	2418554051 BOSCH
V-60042-02	2418554001 BOSCH
V-60042-03	2418554055 BOSCH
V-60042-04	2418554043 BOSCH
V-60042-05	1468522001 BOSCH
V-60042-08	1418512227 BOSCH
V-60042-09	-
V-60042-10	3418502016 BOSCH
V-60042-11	-
V-60042-12	-
V-60042-13	-
V-60042-16	-
V-60042-17	-
V-60042-18	-
V-60042-21	-
V-60042-24	48577055
V-60042-27	-
V-60042-28	-
V-60042-29	-
V-60042-30	-
V-60042-34	1418522047 BOSCH
V-60042-35	1418522055 BOSCH
V-60042-40	2418552005 BOSCH
V-60042-42	1418502203 BOSCH
V-60042-43	8-S2-5x35
V-60042-47	-
V-60042-48	-
V-60042-49	-
V-60042-50	-
V-60042-51	-
V-60042-54	-
V-60042-55	-
V-60042-56	-

If demand, there is a possibility to produce and deliver the delivery valves, pistons and barrels according to your drawings and handed samples too.

## ПОДАЮЩИЕ КЛАПАНЫ, ПОРШНИ И ЦИЛИНДРЫ

В наследующей части этого каталога Вам Моторпал предлагает сортимент производимых подающих клапанов и поршней с цилиндрами предназначенных для всех размеров производимых топливных насосов собственной конструкции и также как замена этих компонент для насосов других производителей.

В случае потребности возможно произвести и поставлять подающие клапаны, поршни и цилиндры согласно переданной Вами спецификации.

<b>MOTORPAL</b>	<b>NAHRAZUJE/SUBSTITUTES/ ЗАМЕНЯЕТ</b>
V-60042-57	-
V-60042-58	-
V-60042-59	-
V-60042-60	-
V-60042-61	-
V-60042-62	-
V-60042-63	-
V-60042-65	-
V-60042-66	-
V-60042-68	-
V-60042-70	-
V-60042-71	-
V-60042-73	2418552027 BOSCH
V-60042-76	2418554003 BOSCH
V-60042-79	-
V-60042-80	-
V-60042-81	-
V-60042-85	-
V-60042-88	2418552003 BOSCH
V-60042-89	-
V-60042-92	2418552007 BOSCH
V-60042-93	-
V-60042-94	-
V-60042-97	-
V-60042-99	-
V-60043-16	-
V-60043-17	-
V-60043-22	-
V-60043-27	-
V-60043-28	-
V-60043-30	-
V-60043-31	1418522019 BOSCH
V-60043-41	-
V-60043-45	A6x60
V-60043-46	1418522011 BOSCH
V-60043-47	1418522009 BOSCH
V-60043-67	-

#### **PISTY A VÁLCE/PISTONS AND BARRELS/ПОРШНИ И ЦИЛИНДРЫ**

<b>MOTORPAL</b>	<b>NAHRAZUJE/SUBSTITUTES/ ЗАМЕНЯЕТ</b>
60010-04	2418455040 BOSCH
60010-05	2418451002 BOSCH
60010-06	2418455055 BOSCH
60010-07	-
60010-09	B10 (BRYCE)
60010-10	B7 (BRYCE)
60010-11	B11 (BRYCE)
60010-12	2418455022 BOSCH
60010-13	1418425099 BOSCH
60010-15	1418325095 BOSCH
60010-16	1418325096 BOSCH
60010-17	1418325898 BOSCH
60010-18	1418325895 BOSCH
60010-19	1418321059 BOSCH
60010-20	-
60010-26	2418450011 BOSCH
60010-27	2418450039 BOSCH

MOTORPAL	NAHRAZUJE/SUBSTITUTES/ ЗАМЕНЯЕТ
60010-29	2418450000 BOSCH
60010-31	2418450069 BOSCH
60010-32	K4.60
60010-33	2418450081 BOSCH
60010-34	2418450003 BOSCH
60010-35	2418450096 BOSCH
60010-36	2418450108 BOSCH
60010-37	2418450032 BOSCH
60010-38	2418455016 BOSCH
60010-40	B5.90fe IFA
60010-41	B5.90fe IFA
60010-49	17a 7,5 (POLAND)
60010-50	7,5 2ar (POLAND)
60010-51	3a 8 (POLAND)
60010-52	8 3a (POLAND)
60010-53	B57/1 IFA
60010-66	B5/90 IFA
60010-98	Z3 (BRYCE)
60060-01	1418325021 BOSCH
60060-02	1418425051 BOSCH
60060-03	1418325170 BOSCH
60060-04	1418325156 BOSCH
60060-05	2418450034 BOSCH
60060-06	1418325024 BOSCH
60060-07	2418455012 BOSCH
60060-08	2418455034 BOSCH
60060-09	0-3 BOSCH
60060-10	0-7 BOSCH
60060-11	0-6 BOSCH
60060-12	0-8 BOSCH
60060-13	0-4 BOSCH
60060-14	1418325157 BOSCH
60060-15	-
60060-16	-
60060-17	2418450053 BOSCH
60060-18	1,8 ZEXEL
60060-19	A117 ZEXEL
60060-21	A138 ZEXEL
60060-22	A162 ZEXEL
60060-24	2418455063 BOSCH
60060-25	2418450067 BOSCH
60060-26	2418450040 BOSCH
60060-27	2418455095 BOSCH
60060-28	2418455069 BOSCH
60060-31	2418455070 BOSCH
60060-32	2418450070 BOSCH
60060-33	2418455037 BOSCH
60060-34	2418455029 BOSCH
60060-36	2418450114 BOSCH
60060-37	1418450005 BOSCH
60060-38	1418425089 BOSCH
60060-39	9401083503 BOSCH
60060-40	2418455097 BOSCH
60060-41	1418421024 BOSCH
60060-42	1418425018 BOSCH
60060-43	1418425124 BOSCH
60060-44	2418450116 BOSCH

<b>MOTORPAL</b>		<b>NAHRAZUJE/SUBSTITUTES/ЗАМЕНЯЕТ</b>	
60060-45		2418455038	BOSCH
60060-46		2418450051	BOSCH
60060-47		3418305009	BOSCH
60060-48		2418455226	BOSCH
60060-49		2418455249	BOSCH
60060-50		2418455067	BOSCH
60060-51		2418450091	BOSCH
60060-52		1418325184	BOSCH
60060-53		2418455091	BOSCH
60060-54		2418455403	BOSCH
60060-55		2418450113	BOSCH
60060-56		2418455072	BOSCH
60060-57		2418455054	BOSCH
60060-58		2418455074	BOSCH
60060-59		9413610030	BOSCH
60060-60		2418455002	BOSCH
60060-61		1418325159	BOSCH
60060-62		A44	ZEXEL
60060-64		1418325039	BOSCH
60060-63		P49	VIET-NAM
60060-65		1418320045	BOSCH
60060-66		151A	SEARL ALGERIA
60060-67		3418303002	BOSCH
60060-68		P317	VIET-NAM
60060-69		090150-3740	SEARL ALGERIA
60060-70		909150-2140	SEARL ALGERIA
60060-71		2418450048	BOSCH
60060-72		2418450060	BOSCH
60060-73		2418455071	BOSCH
60060-74		2418455299	BOSCH
60060-75		A74	VIET-NAM
60060-76		2418455202	BOSCH
60060-77		9412038421	
60060-78		A168	VIET-NAM
60060-79		A235	VIET-NAM
60060-80		1418325188	BOSCH
60060-82		1418325163	BOSCH
60060-83		A281	VIET-NAM
60060-85		A136	VIET-NAM
60060-86		A36	VIET-NAM
60060-87		EPPK 544 P7	KOLLER+SCHWEMMER
60060-88		1418325138	BOSCH
60060-89		1418325190	BOSCH
60060-90	FB168/9	-	
60060-91	FB7118-14D	-	
60060-92		9401083508	BOSCH
60060-93	FB7111-14E	-	
60060-94		1418325162	BOSCH
60060-95		1418325171	BOSCH
60060-96		1418325172	BOSCH
60060-97		2418450112	BOSCH
60060-98		1418325077	BOSCH
60060-99		1418425007	BOSCH
60064-01		A294	
60064-02		168/5X	
60065-04		A216	
60070-01		9040-177L	DELPHI

<b>MOTORPAL</b>		<b>NAHRAZUJE/SUBSTITUTES/ЗАМЕНЯЕТ</b>	
60070-02		9040-177AK	DELPHI
60070-03		9040-177AV	DELPHI
60070-04		9040-177BF	DELPHI
60070-05		9040-177BL	DELPHI
60070-06		9040-177BR	DELPHI
60070-07		9040-177AE	DELPHI
60070-08		9173-113	DELPHI
60070-09		9073-153	DELPHI
60070-20		9173-159A	DELPHI
60070-21		9173-159E	DELPHI
60070-22		9173-159B	DELPHI
60070-31		9173-280	DELPHI
60070-32		9173-283	DELPHI
60070-40	161.7616	11-108DC	DELPHI
60070-41	161.7602	11-108FB	DELPHI
60070-42	161.7618	11-108FF	DELPHI
60070-43	161.7617	11-108BK	DELPHI
60070-50	161.7601	1-312	DELPHI
60070-51	161.7499	1-313	DELPHI
60070-52	161.7603	1-315	DELPHI
60070-53	161.7609	1-421	DELPHI
60070-54	161.7612	1-455	DELPHI
60070-55	161.7619	1-559	DELPHI
60070-60	161.7611	2-281	DELPHI
60070-61	161.7613	2-285	DELPHI
60070-62	161.7615	2-294	DELPHI
60070-70	161.7620	7232-011 H-DT	DELPHI
60070-71	161.7605	9173-076	DELPHI
60070-72	161.7610	9173-150B	DELPHI
60070-80		7118-015D	DELPHI
60071-01		512505-31	DELPHI
60071-02		512505-42	DELPHI
60071-03		512505-54	DELPHI
60071-04		512505-63	DELPHI
60071-05		512505-65	DELPHI
60071-06		512505-66	DELPHI
60071-07		512505-72	DELPHI
60071-08		512506-42	DELPHI
60071-09		512506-53	DELPHI
60071-10		512506-54	DELPHI
60071-11		512506-63	DELPHI
60071-12		512506-65	DELPHI
60071-13		512506-72	DELPHI
60071-14		512506-74	DELPHI
60071-15		512507-41	DELPHI
60071-16		512508-62	DELPHI
60071-17		515246-61	DELPHI
60071-18		515246-62	DELPHI
60071-19		515246-63	DELPHI
60071-30		512747-40	DELPHI
60071-31		514251-50	DELPHI
60071-32		516167-50	DELPHI
60400-19	EA8PF	-	
60400-26	EA8Ph	-	
60400-27	EA9P	-	
60400-29	EA75Pf	-	
60400-33	EA75Pf	-	

<b>MOTORPAL</b>		<b>NAHRAZUJE/SUBSTITUTES/ ЗАМЕНЯЕТ</b>
60400-34	EA8Lg-34	-
60400-35	EA8Pg-35	-
60400-39	EA8Pi	-
60400-40	EA9Pi-40	-
60400-41	EA8Pi-41	-
60400-43	EA9Pj	-
60401-03	EA6Kg-03	-
60401-05	EA8K	-
60401-06	EA9K	-
60401-07	EA9K-07	-
60401-08	EA9H	-
60402-01	EA8S	-
60402-02	EA9S	-
60403-02	EM7P	-
60403-05	EM85K-05	-
60403-06	EM85Pc	-
60403-08	EM7Pe	-
60403-09	EM9K	-
60403-10	EM7K	-
60403-11	EM7Pc	-
60403-12	EM7K-12	-
60403-13	EM85Ke	-
60403-14	EM85Ke-14	-
60403-15	EM85Pe	-
60403-16	EM8K	-
60403-18	EM9Ke-18	-
60403-19	EM8K-19	-
60403-25	EM10K	-
60403-26	EM10Kf	-
60403-28	EM10Kf-28	-
60403-29		-
60403-31	EM10Pf-31	-
60403-32	EM9Kf	-
60403-33	EM9Kf-33	-
60403-34	EM10Kf-34	-
60403-37	EM10Pf-37	-
60403-38	EM9Pf	-
60403-39	EM10Kf-39	-
60403-40	EM10Pf-40	-
60403-41	EM10Pf-41	-
60403-43	EM9Pe	-
60403-44	EM10Pf-44	-
60403-48	EM10Pi-48	-
60403-49	EM10Pi-49	-
60403-50	EM10Pi	-
60403-51	EM10Pi-51	-
60403-53	EM10Pi-53	-
60403-57	EM10Uf-57	-
60403-58	EM10Uf-58	-
60403-60	EM10Pi-60	-
60403-61	EM10Pi-61	-
60403-62	EM10Pi-62	-
60403-63	EM10Ui	-
60403-64	EM10Ui	-
60403-65	EM10Ui	-
60403-66	EM10Pi-66	-
60403-67	EM10Ui-67	-

MOTORPAL		NAHRAZUJE/SUBSTITUTES/ ЗАМЕНЯЕТ	
60403-68	EM10Pi	-	
60403-69	EM10Pi-69	-	
60403-70	EM10Ui-70	-	
60403-71	EM10Pi-71	-	
60410-17	EB8Lf	-	
60410-18	EB7Lf	-	
60410-19	EB8Pf	-	
60410-21	EB7Pf	-	
60410-27	EB10Lf	-	
60410-33	EB7Pg	-	
60410-34	EB8Lg	-	
60410-35	EB8Pg	-	
60410-36	EB9Pg	-	
60410-37	EB10Pg	-	
60410-38	EB10Lg	-	
60410-42	EB10Pg-42	-	
60410-45	EB10Pj	-	
60410-47	EB11Pj	-	
60413-12	EB11K-12	-	
60413-13	EB11K-13	-	
60413-14	EB11Kj	-	
60413-15	EB11Kj-15	-	
60413-16	EB11Kj-16	-	
60413-17	EB11Kj-17	-	
60425-01	EK7P	-	
60425-02	EK7K-02	-	
60425-03	EK7K	-	
60425-04	EK75K	-	
60425-05	EJ7P	-	
60425-06	EK75P	-	
60425-07		3418305006	BOSCH
60425-10		179Y	
60425-15		-	
60425-17		1418405004	BOSCH
60425-18		3418405005	BOSCH
60425-20		1418415066	BOSCH
60425-21		1418415081	BOSCH
60425-22		-	
60425-23		-	
60425-29		2418455122	BOSCH
60425-31		2418455134	BOSCH
60425-32		2418455165	BOSCH
60425-33		2418455135	BOSCH
60425-34		2418455129	BOSCH
60425-35		2418455196	BOSCH
60425-36		2418455130	BOSCH
60425-37		2418455308	BOSCH
60425-38		2418455309	BOSCH
60425-41		2418455356	BOSCH
60425-42		2418455310	BOSCH
60425-43		2418455318	BOSCH
60425-45		2418455518	BOSCH
60425-46		2418455548	BOSCH
60425-47		2418455142	BOSCH
60425-48		2418455508	BOSCH
60425-49		1418415096	BOSCH
60425-51		2418455303	BOSCH

<b>MOTORPAL</b>	<b>NAHRAZUJE/SUBSTITUTES/ ZAMEHJET</b>
60425-52	1418415075 BOSCH
60425-53	2418455338 BOSCH
60425-54	2418455333 BOSCH
60425-55	2418455341 BOSCH
60425-56	2418455146 BOSCH
60425-57	1418415051 BOSCH
60425-58	2418455325 BOSCH
60425-59	1418415116 BOSCH
60425-60	3418305004 BOSCH
60425-61	F401069BR
60425-62	2418455324 BOSCH
60425-63	2418455331 BOSCH
60425-64	2418455370 BOSCH
60425-65	2418455512 BOSCH
60425-66	2418455359 BOSCH
60425-67	2418305010 BOSCH
60425-68	2418455182 BOSCH
60425-69	2418455542 BOSCH
60425-70	1418415065 BOSCH
60425-71	1418415058 BOSCH
60425-72	2418455348 BOSCH
60425-73	2418455342 BOSCH
60425-74	2418455727 BOSCH
60425-75	2418455141 BOSCH
60425-77	2418455304 BOSCH
60425-76	2418455315 BOSCH
60425-78	2418455179 BOSCH
60425-79	2418455714 BOSCH
60425-80	2418455560 BOSCH
60425-85	2418455565 BOSCH
60425-82	1418415545 BOSCH
60425-83	2418455155 BOSCH
60425-84	2418455711 BOSCH
60425-86	-
60425-87	2418455197 BOSCH
60425-88	2418455379 BOSCH
60426-03 EQ6P	-
60426-05 EQ55K	-
60426-07 EQ55Ka-06	-
60427-01	2418425989 BOSCH
60427-02	2418425981 BOSCH
60427-03	2418425988 BOSCH
60430-15 EZ12LA	-
60430-17 EZ13LA	-
60430-19 EZ14LA	-
60430-20 EZ14PA	-
60430-21	-
60430-22 EZ16Pg	-
60430-23 EZ16Pf	-
60430-24 EZ13Pg	-
60430-25 EZ13Pg-25	-
60430-26	-
60430-96 EZ14	-
60431-01 EZ13K	-
60431-02 EZ13K-02	-
60432-01 EZ16Ui	-
60432-02 EZ18U	-

MOTORPAL		NAHRAZUJE/SUBSTITUTES/ ЗАМЕНЯЕТ
60432-03	EZ16Ui-03	-
60440-22	EC14Lf	-
60440-23	EC16Lf	-
60440-25	EC14Pf	-
60440-26	EC16Pf	-
60440-54	EC16Lg	-
60440-55	EC14Lg	-
60440-56	EC18Lg	-
60440-57	EC18Pg	-
60440-65	EC20Pj	-
60440-67	EC20Lj	-
60440-68	EC20Pj-68	-
60442-01	EC20U	-
60442-02	EC20Um	-
60442-03	EC20U-03	-
60450-19	EX16Lg	-
60450-20	EX20Lg	-
60450-22	EX22Lh	-
60450-25	EX22T	-
60450-26	EX22Lh-26	-
60450-29	EX16Lg-29	-
60450-30	EX20Lg-30	-
60460-49	EY20Lg	-
60460-50	EY22Lg	-
60460-51	EY25Lg	-
60460-52	EY20Pg	-
60460-54	EY25Pg	-
60460-57	EY27Ph	-
60460-58	EY27Pj	-
60460-59	EY27Pj-59	-
60470-22	EE37Lh-22	-
60470-23	EE35Lh-23	-
60492-01	EP1F-05	-

**ПРÉВODNÍK BOSCH-MOTORPAL (VÝTLAČNÉ VENTILY)/CONVERTER BOSCH-MOTORPAL (DELIVERY VALVES)/  
ПРЕОБРАЗОВАТЕЛЬ BOSCH – MOTORPAL ( ПОДАЮЩИЕ КЛАПАНЫ)**

BOSCH	MOTORPAL
1418502203	60042-42
1418512227	60042-08
1418522009	60043-47
1418522011	60043-46
1418522019	60043-31
1418522047	60042-34
1418522055	60042-35
1468522001	60042-05
2418552003	60042-88

BOSCH	MOTORPAL
2418552005	60042-40
2418552007	60042-92
2418552027	60042-73
2418554001	60042-02
2418554003	60042-76
2418554043	60042-04
2418554051	60042-01
2418554055	60042-03
3418502016	60042-10

**ПРÉВODNÍK BOSCH-MOTORPAL (PÍSTY A VÁLCE)/CONVERTER BOSCH-MOTORPAL (PISTONS AND BARRELS)/  
ПРЕОБРАЗОВАТЕЛЬ BOSCH – MOTORPAL (ПОРШНИ И ЦИЛИНДРЫ)**

BOSCH	MOTORPAL
0-3	60060-09
0-4	60060-13
0-6	60060-11
0-7	60060-10
0-8	60060-12
1418320045	60060-65
1418321059	60010-19
1418325021	60060-01
1418325024	60060-06
1418325039	60060-64
1418325077	60060-98
1418325095	60010-15
1418325096	60010-16
1418325138	60060-88
1418325156	60060-04
1418325157	60060-14
1418325159	60060-61
1418325162	60060-94
1418325163	60060-82
1418325170	60060-03
1418325171	60060-95
1418325172	60060-96
1418325184	60060-52
1418325188	60060-80
1418325190	60060-89
1418325895	60010-18
1418325898	60010-17
1418405004	60425-17
1418415051	60425-57
1418415058	60425-71
1418415065	60425-70
1418415066	60425-20
1418415075	60425-52
1418415081	60425-21
1418415096	60425-49
1418415116	60425-59
1418415545	60425-82
1418421024	60060-41

BOSCH	MOTORPAL
1418425007	60060-99
1418425018	60060-42
1418425051	60060-02
1418425089	60060-38
1418425099	60010-13
1418425124	60060-43
1418450005	60060-37
2418305010	60425-67
2418425981	60427-02
2418425988	60427-03
2418425989	60427-01
2418450000	60010-29
2418450003	60010-34
2418450011	60010-26
2418450032	60010-37
2418450034	60060-05
2418450039	60010-27
2418450040	60060-26
2418450048	60060-71
2418450051	60060-46
2418450053	60060-17
2418450060	60060-72
2418450067	60060-25
2418450069	60010-31
2418450070	60060-32
2418450081	60010-33
2418450091	60060-51
2418450096	60010-35
2418450108	60010-36
2418450112	60060-97
2418450113	60060-55
2418450114	60060-36
2418450116	60060-44
2418451002	60010-05
2418455002	60060-60
2418455012	60060-07
2418455016	60010-38
2418455022	60010-12

<b>BOSCH</b>	<b>MOTORPAL</b>
2418455029	60060-34
2418455034	60060-08
2418455037	60060-33
2418455038	60060-45
2418455040	60010-04
2418455054	60060-57
2418455055	60010-06
2418455063	60060-24
2418455067	60060-50
2418455069	60060-28
2418455070	60060-31
2418455071	60060-73
2418455072	60060-56
2418455074	60060-58
2418455091	60060-53
2418455095	60060-27
2418455097	60060-40
2418455122	60425-29
2418455129	60425-34
2418455130	60425-36
2418455134	60425-31
2418455135	60425-33
2418455141	60425-75
2418455142	60425-47
2418455146	60425-56
2418455155	60425-83
2418455165	60425-32
2418455179	60425-78
2418455182	60425-68
2418455196	60425-35
2418455197	60425-87
2418455202	60060-76
2418455226	60060-48
2418455249	60060-49
2418455299	60060-74
2418455303	60425-51
2418455304	60425-77
2418455308	60425-37
2418455309	60425-38
2418455310	60425-42
2418455315	60425-76
2418455318	60425-43
2418455324	60425-62
2418455325	60425-58
2418455331	60425-63
2418455333	60425-54
2418455338	60425-53
2418455341	60425-55
2418455342	60425-73
2418455348	60425-72
2418455356	60425-41
2418455359	60425-66
2418455370	60425-64
2418455379	60425-88
2418455403	60060-54
2418455508	60425-48
2418455512	60425-65

<b>BOSCH</b>	<b>MOTORPAL</b>
2418455518	60425-45
2418455542	60425-69
2418455548	60425-46
2418455560	60425-80
2418455565	60425-85
2418455711	60425-84
2418455714	60425-79
2418455727	60425-74
3418303002	60060-67
3418305004	60425-60
3418305006	60425-07
3418305009	60060-47
3418405005	60425-18
9401083503	60060-39
9401083508	60060-92
9413610030	60060-59





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