



# **SUN dieselsystems**

INJECTOR NOZZLES

Manufacturers of high quality diesel fuel injection nozzles.



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## Products

Like to know more about our products?

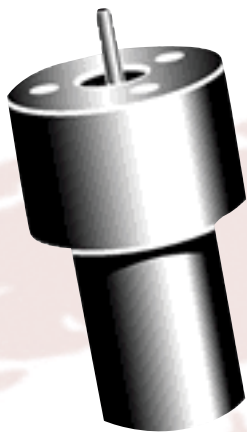
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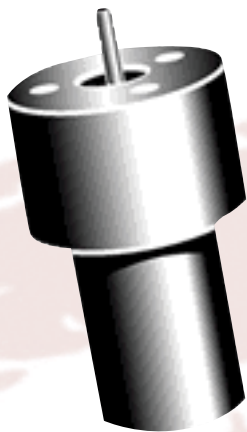
# Current Production



## Nozzle DN..PD..

P type pintle nozzle used in modern high speed engines with indirect fuel injection (precombustion chamber / whirl chamber).

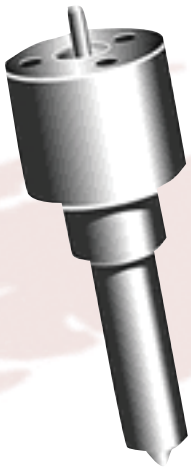
TYPE	PART#	COMMENTS
DN4PD1	093400-5010	[DENSO] TOYOTA 1C/2C
DN0PD21	093400-5210	[DENSO] KUBOTA
DN0PD37	093400-5370	[DENSO] MITSUBISHI
DN20PD32	093400-5420	[DENSO] TOYOTA 1HZ
DN4PD57	093400-5640	[DENSO] TOYOTA 3L
DN0PD58	093400-5881	[DENSO] TOYOTA 2LT/E
DN10PD76	093400-5760	[DENSO] TOYOTA 2LT
DN0PD628	093400-6330	[DENSO] TOYOTA 1HZ[LATE]
DN4PDN101	105007-1010	[ZEXEL] ISUZU/NISSAN
DN0PDN112	105007-1120	[ZEXEL] MITSUBISHI
DN0PDN113	105007-1130	[ZEXEL] NISSAN TD27, TD42
DN0PDN121	105007-1210	[ZEXEL] MAZDA, NISSAN
DN10PDN130	105007-1300	[ZEXEL] MITSUBISHI



### Nozzle DN..SD.. and DN..S...

S type pintle nozzle used in modern high speed engines with indirect fuel injection (precombustion chamber / whirl chamber).

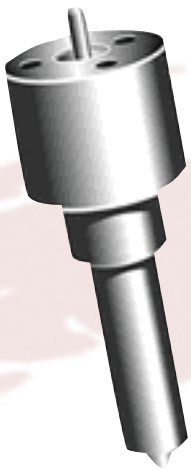
TYPE	TYPE	TYPE	TYPE
DN0SD1510	DN0SD261	DN0SD293	DN15S156
DN0SDND177	DN0SD263	DN0SD294	DN30S2
DN0SD193	DN0SD264	DN0SD297	DN4S1
DN0SD21	DN0SD265	DN0SD308	DN4S2
DN0SD211	DN0SD269	DN0SD6577	DN4SD24
DN0SD2110	DN0SD272	DN0SDND136	DN4SD24ND80
DN0SD220	DN0SD273	DN10S242	DN4SDND133
DN0SD230	DN0SD286	DN12SD12	DN4SDND90
DN0SD252	DN0SD288	DN12SD1750	DN4SK1
DN0SD259	DN0SD292	DN12T25	DN8S2
DN0SD6577			DN8S235



### Nozzle DLLA..S..

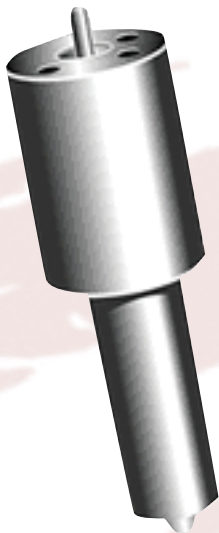
S type multi hole nozzle used in modern high-speed diesel engines with direct fuel injection

TYPE	PART#	COMMENTS
DLLA160P3	093400-503	[DENSO] MITSUBISHI 4D31
DLLA150P24	093400-5240	DENSO] TOYOTA 12HT TURBO
DLLA160P50	093400-5500	[DENSO] MITSUBISHI 4D31
DLLA150P59	093400-5590	[DENSO] TOYOTA 14B
DLLA154PN005	105017-0050	[ZEXEL] ISUZU 4JA1, 4JB1
DLLA154PN006	105017-0060	[ZEXEL] ISUZU 4JB1
DLLA154PN007	105017-0070	[ZEXEL] MAZDA T3500
DLLA152PN009	105017-0090	[ZEXEL] KOMATSU, NISSAN
DLLA140PN013	105017-0130	[ZEXEL] KUBOTA
DLLA152PN014	105017-0140	[ZEXEL] KOMATSU
DLLA146PN055	105017-0550	[ZEXEL] ISUZU 4JB1T
DLLA152PN063	105017-0630	[ZEXEL] KOMATSU
DLLA150PN088	105017-0880	[ZEXEL] KOMATSU
DLLA161PN109	105017-1090	[ZEXEL] ISUZU 6HE1
DLLA155PN118	105017-1180	[ZEXEL] MITSUBISHI
DLLA160PN010	105017-0100	[ZEXEL] MITSUBISHI
DLLA160PN159	105017-1590	[ZEXEL] ISUZU 4HF1
DLLA153PN178	105017-1780	[ZEXEL] ISUZU 4JB1-NA
DLLA150P52	0433 171 052	[BOSCH] VOLVO
DLLA150P59	0433 171 059	[BOSCH] FIAT/IVECO, KHD



DLLA150P105	0433 171 098	[BOSCH] STEYR
DLLA150P115	0433 171 104	[BOSCH] DRESSER, FIAT ALLIS
DLLA155P135	0433 171 123	[BOSCH] CDC
DLLA146P166	0433 171 149	[BOSCH] MAN
DLLA144P184	0433 171 161	[BOSCH] MAN
DLLA155P273	0433 171 205	[BOSCH] DRESSER
DLLA150P277	0433 171 208	[BOSCH] CUMMINS
DLLA150P326	0433 171 231	[BOSCH] IVECO
DLLA150P7	0433 171 300	[BOSCH]
DLLA158P456	0433 171 329	[BOSCH] KDH-DMI
DLLA145P606	0433 171 454	[BOSCH] CUMMINS, CDC
DLLA147P680	0433 171 495	[BOSCH] KDH
DLLA158P729	0433 171 529	[BOSCH] KDH
DLLA158P730	0433 171 530	[BOSCH] KDH
DLLA140P271	9430 084 731	[BOSCH]

Other Nozzle Types		
DSLA145P208	0433 175 017	[BOSCH]
DSLA145P300	0433 175 048	[BOSCH] IVECO
DSLA150P448	0433 171 074	[BOSCH] IVECO
DSLA134P604	0433 175 114	[BOSCH] IVECO
DSLA150P924		[BOSCH] IVECO
NP002-RA		[LUCAS]
DL150P224		[CHINA DIESEL ENGINE] CF168F, CF178F, CF186F



### Injector Nozzles DLLA..S...

S type multi hole nozzle used in modern high-speed diesel engines with direct fuel injection

TYPE	PART#	COMMENTS
DLLA149S774		BDLL150S6395
DLLA150S187		BDLL150S6591
DLLA154S324N413		BDLL150S6666
BDLL140S6422		BDLL150S6705

# Product Development

## **Product development of new item from sample.**

- Must be DN..PD.., DN..SD.., DN..S..., DLLA..P. OR DLLA..S... type nozzle.
- Minimum order quantity - 1000 nozzles of one type ( for items not listed under current production).
- Total development time - 12 weeks minimum

Sample to be provided, production of prototype, customer approval of prototype, customer order confirmation, finish production.

## **Private label branding.**

- Minimum order quantity - 1000 nozzles of one type
- Please note our 'Product Integrity' policy.

# New Products

## New Nozzles - Now Available

TYPE	PART#	COMMENTS
DN0PD628	093400-6330	[DENSO] TOYOTA 1HZ (LATE)
DN10PD76	093400-5760	[DENSO] TOYOTA 2LT
DN0PD58	093400-5881	[DENSO] TOYOTA 2LT/E [SURF]
DLLA160P3	093400-503	[DENSO] MITSUBISHI
DLLA160P50	093400-5500	[DENSO] MITSUBISHI
DLLA161PN109	105017-1090	[DENSO] ISUZU 6HE1
DLLA160PN159	105017-1590	[ZEXEL] ISUZU 4HF1

# Other Items

## Test Nozzles



For test bench - DN12SD12,  
and for ISO test injector.

## Orifice Plates



For ISO test injector.

## Injector Shims



3 sizes OD -7.35, 9.80, 11.15  
Thickness .05 steps.

## Injector Washers



Various types - Nozzle, Leak Off,  
Heat Shield etc [steel, copper,  
brass,aluminium].

## Injector Nozzle Nuts



Various

## Injector Intermediate Plates



With and without fuel groove.

# Contact

Like more information?

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