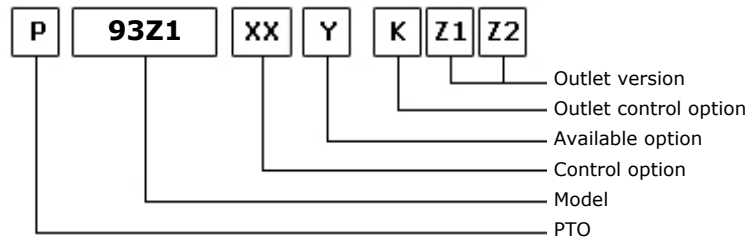
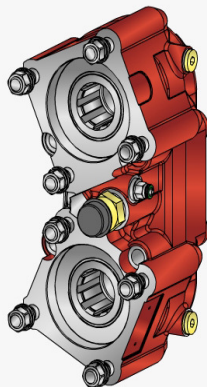




POSSIBLE SOLUTIONS



07/04/2011

TEC. SPECIFICATIONS

	Outlet 1	Outlet 2	
Torque (NM)	350	350	Replaces
Int. Ratio	1,80	1,80	Replaced by
Teeth number	12		

CONTROL TYPE HYDROCAR

Electric Hydraulic Mechanic Fixed engagement Pneumatic Vacuum system

CONTROL VERSIONS (XX)

Type	82z1	Description
O	1	#Innesto Fisso
P	1	#Cmd. M12X1.5 con raccordo
P	2	#Cmd. M12X1.5 senza raccordo

AVAILABLE OPTIONS (Y)

82z1	Description	Lubr. Kit	Switch Kit	Reinforced
0	#Non presente			<input checked="" type="checkbox"/>
2	#Con Kit Lub. su uscita 2	195KL12P191		<input checked="" type="checkbox"/>
3	#Con Kit Lub. su uscita 1	195KL12P191		<input checked="" type="checkbox"/>
5	#Con kit interrutt. Merit		194KSP19000	<input checked="" type="checkbox"/>
6	#Con kit interrutt. T.D.S.		194KSP29000	<input checked="" type="checkbox"/>
7	#Con int. Merit + KLB12 usc. 2	195KL12P191	194KSP19000	<input checked="" type="checkbox"/>
8	#Con int. Merit + KLB12 usc. 1	195KL12P191	194KSP19000	<input checked="" type="checkbox"/>

OUTLET VERSIONS (K1,Z1,Z2)

(K)		(Z1)	(Z2)
		Outlet 1	Outlet 2
8 Without release devices	<input checked="" type="checkbox"/>	0 Not required	
U Outlet release 2	<input checked="" type="checkbox"/>	1 SE/R pump connection	<input checked="" type="checkbox"/>
L Outlet release 1	<input checked="" type="checkbox"/>	2 DIN 00 flange connection	<input checked="" type="checkbox"/>
W Double release devices	<input checked="" type="checkbox"/>	3 DIN 10 flange connection	<input checked="" type="checkbox"/>
3 Double axial outlet		4 Spicer 1120 flange connection	<input checked="" type="checkbox"/>
		5 Spicer 1300 flange connection	<input checked="" type="checkbox"/>
		6 Spicer 1400 flange connection	<input checked="" type="checkbox"/>
		7 UNI pump connection	<input checked="" type="checkbox"/>
		8 SE bolt pump connection	



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93Z1

#PTO POS. M.D. D.U. ZF 16S151-221

OUTLET VERSIONS (K1,Z1,Z2)

(K)

(Z1)

(Z2)

Outlet 1

Outlet 2

- 9 Ready for release
- A Kyokuto flange connection A
- B Kyokuto flange connection B
- F Ready for flange
- D DIN 120 flange



Conversion kit

Pneumatic/Mechanic
Mechanic/Pneumatic
Electric control

#

Flange kit

82z1 Description

197KFL79000	DIN 00 SE/R
197KFL80000	DIN 10 SE/R
197KFL81000	SPICER 1120 SE/R
197KFL82000	SPICER 1300 SE/R

Lubrication kit

82z1 Description

195KL12D991	SPICER 1300 OUTPUT 2 WITHOUT RELEASE SYSTEM
195KL12F291	SPICER 1120 HV- HVR
195KL12F391	SPICER 1120 (2325)
195KL12F491	SPICER 1120 (2400)
195KL12F591	DIN 10 DOWEL 800 Nm
195KL12P191	DIN 00 SE/R

Switch kit

82z1 Description

194KSP19000	#Merit M16x1.5 N.C.
194KSP29000	#TDS M16x1.5 N.C.



MATCHINGS

Brand	Range	Model	1st Gear ratio	Outlet	Application
NISSAN		AO612 D 0,78	11,73	Rear	VA
NISSAN		VO514 B 0,8	13,16	Rear	VE
SCANIA		G 670	7,72	Rear	Z5
SCANIA		GR 875	0,00	Rear Z 25	s1
SCANIA		GR 875	0,00	Rear Z 32	S4
SCANIA		GR 905	0,00	Rear Z 25	s1
SCANIA		GR 905	0,00	Rear Z 32	S2
SCANIA		GRS 895	0,00	Rear Z 25	s1
SCANIA		GRS 895	0,00	Rear Z 32	S4
SCANIA		GRS 905	0,00	Rear Z 25	s1
SCANIA		GRS 905	0,00	Rear Z 32	S2
SCANIA		GRS 905 R	0,00	Rear Z 25	s1
SCANIA		GRS 905 R	0,00	Rear Z 32	S2
SCANIA		GRSO 905	0,00	Rear Z 31	s1
SCANIA		GRSO 905	0,00	Rear Z 39	S3
SCANIA		GRSO 925	0,00	Rear Z 31	s1
SCANIA		GRSO 925	0,00	Rear Z 39	S3
VOLVO		AT 2412 C	0,00	Rear	VA
VOLVO		AT 2412 D	0,00	Rear	VA
VOLVO		AT 2412 E	0,00	Rear	VA
VOLVO		AT 2512 C	0,00	Rear	VA
VOLVO		AT 2514	0,00	Rear	VA
VOLVO		AT 2612 D	0,00	Rear	VA
VOLVO		AT 2612 D + IT	0,00	Rear	VA
VOLVO		AT 2812 C	0,00	Rear	VA
VOLVO		ATO 1056	6,75	Rear	Z5
VOLVO		ATO 2512 C 0,78	11,73	Rear	VA
VOLVO		ATO 2612 D 0,78	11,73	Rear	VA
VOLVO		ATO 3112 C	0,00	Rear	VA
VOLVO		ATO 3112 D	0,00	Rear	VA
VOLVO		ATO 8006	6,58	Rear	Z5
VOLVO		SPO 2812 0,78	11,73	Rear	VA
VOLVO		STO 1309	9,48	Rear	Z8
VOLVO		STO 8006	6,58	Rear	Z5
VOLVO		V 2214	0,00	Rear	VE
VOLVO		V 2412 AT	0,00	Rear	VA
VOLVO		V 2512 AT	0,00	Rear	VA
VOLVO		VT 1309	0,00	Rear	VE
VOLVO		VT 1414	0,00	Rear	VE
VOLVO		VT 1708 B	10,18	Rear	VE
VOLVO		VT 2009 B	0,00	Rear	VE
VOLVO		VT 2014	0,00	Rear	VE
VOLVO		VT 2214 B	0,00	Rear	VE
VOLVO		VT 2412 B	0,00	Rear	VE



MATCHINGS

Brand	Range	Model	1st Gear ratio	Outlet	Application
VOLVO		VT 2514 B	0,00	Rear	VE
VOLVO		VT 2814 B	0,00	Rear	VE
VOLVO		VT 809	0,00	Rear	VE
VOLVO		VTO 2214 B	0,00	Rear	VE
VOLVO		VTO 2514 B 0,8	13,16	Rear	VE
VOLVO		ZTO1109	9,48	Rear	Z8
Z.F.		16S109	11,86	Rear	Z9
Z.F.		16S109	13,30	Rear	Z6
Z.F.		16S109	13,31	Rear	Z8
Z.F.		16S109	13,41	Rear	Z8
Z.F.		16S109	13,42	Rear	Z6
Z.F.		16S109	13,53	Rear	Z9
Z.F.		16S109	13,43	Rear	Z8
Z.F.		16S151	13,62	Rear	ZD
Z.F.		16S151 (NEW)	13,85	Rear	ZD
Z.F.		16S151 - 0,84	13,80	Rear	ZD
Z.F.		16S151 OD 0,84	11,54	Rear	ZD
Z.F.		16S151 OD 0,84	13,80	Rear	ZD
Z.F.		16S151 OD 0,84	13,86	Rear	ZD
Z.F.		16S151/1.00 D.D	13,80	Rear	ZD
Z.F.		16S151/1.00 D.D	13,74	Rear	ZD
Z.F.		16S151/1.00 D.D	16,41	Rear	ZD
Z.F.		16S151/1.00 D.D	16,47	Rear	ZD
Z.F.		16S1620 TD 1.00	16,41	Rear	ZD
Z.F.		16S1650 OD-NEW	15,39	Rear	ZD
Z.F.		16S181	13,74	Rear	ZD
Z.F.		16S181 OD 0,84	11,54	Rear	ZD
Z.F.		16S181 OD 0,84	13,80	Rear	ZD
Z.F.		16S181 OD 0,84	13,86	Rear	ZD
Z.F.		16S181/1.00 D.D	13,80	Rear	ZD
Z.F.		16S181/1.00 D.D	16,41	Rear	ZD
Z.F.		16S181/1.00 D.D	16,47	Rear	ZD
Z.F.		16S1820 TO 0,84	13,80	Rear	ZD
Z.F.		16S1920 TD 1.00	16,41	Rear	ZD
Z.F.		16S2020 TD 1.00	16,41	Rear	ZD
Z.F.		16S2021 TD 1.00	16,41	Rear	ZG
Z.F.		16S2180 TO 0.84	13,80	Rear	ZD
Z.F.		16S221 (NEW)	13,74	Rear	ZD
Z.F.		16S221 (NEW)	16,47	Rear	ZD
Z.F.		16S221 - 0,84	13,80	Rear	ZD
Z.F.		16S221 OD 0,84	11,54	Rear	ZD
Z.F.		16S221 OD 0,84	13,80	Rear	ZD
Z.F.		16S221 OD 0,84	13,86	Rear	ZD
Z.F.		16S221 OD 0.84	13,74	Rear	ZD



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#PTO POS. M.D. D.U. ZF 16S151-221

MATCHINGS

Brand	Range	Model	1st Gear ratio	Outlet	Application
Z.F.		16S221/1.00 D.D	13,80	Rear	ZD
Z.F.		16S221/1.00 D.D	16,41	Rear	ZD
Z.F.		16S2220 TD 1.00	16,41	Rear	ZD
Z.F.		16S2220 TO 0.84	13,80	Rear	ZD
Z.F.		16S2230 TD 1.00	16,41	Rear	ZD
Z.F.		16S2230 TO 0.84	13,80	Rear	ZD
Z.F.		16S2280 TO 0.84	13,80	Rear	ZD
Z.F.		16S2320 TD 1.00	16,41	Rear	ZD
Z.F.		16S2330 TD 1.00	16,41	Rear	ZD
Z.F.		16S251 OD 0,84	13,38	Rear	ZH
Z.F.		16S251 OD 0.84	11,54	Rear	ZH
Z.F.		16S251 OD 0.84	13,80	Rear	ZH
Z.F.		16S251 OD 0.84	13,74	Rear	ZH
Z.F.		16S251 OD 0.84	13,86	Rear	ZH
Z.F.		16S2520 TO 0.84	13,80	Rear	ZD
Z.F.		16S2523 TO 0.84	13,80	Rear	ZG
Z.F.		16S2720 TO 0.84	13,80	Rear	ZH
Z.F.		6 AS 1000 TO	6,75	Rear	Z5
Z.F.		6 AS 800 TO	6,58	Rear	Z5
Z.F.		6-66	6,78	Rear	Z5
Z.F.		6-66	7,36	Rear	Z5
Z.F.		6-66	9,06	Rear	Z5
Z.F.		6-66+GV66/6.37	9,06	Rear	Z5
Z.F.		6-66+GV66/7.51	9,06	Rear	Z5
Z.F.		6-90	5,67	Rear	Z5
Z.F.		6-90	5,74	Rear	Z5
Z.F.		6-90	6,37	Rear	Z5
Z.F.		6-90	6,98	Rear	Z5
Z.F.		6-90	7,03	Rear	Z5
Z.F.		6-90	7,40	Rear	Z5
Z.F.		6-90	8,68	Rear	Z5
Z.F.		6-90	9,01	Rear	Z5
Z.F.		6-90+GV90/5.67	7,03	Rear	Z5
Z.F.		6-90+GV90/5.74	7,03	Rear	Z5
Z.F.		6-90+GV90/7.40	9,01	Rear	Z5
Z.F.		8 S 109	11,35	Rear	Z6
Z.F.		8 S 151	13,79	Rear	ZD
Z.F.		8S1620 TD 1.00	13,80	Rear	ZD
Z.F.		9S 1110 TD	12,73	Rear	Z8
Z.F.		9S 1110 TO	9,48	Rear	Z8
Z.F.		9S 1310 TO	9,48	Rear	Z8
Z.F.		9S109	10,24	Rear	Z9
Z.F.		9S109	12,91	Rear	Z8
Z.F.		9S109	12,92	Rear	Z6



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#PTO POS. M.D. D.U. ZF 16S151-221

MATCHINGS

Brand	Range	Model	1st Gear ratio	Outlet	Application
Z.F.		9S1820	0,00	Rear	ZD
Z.F.		9S75	9,56	Rear	Z7
Z.F.		9S75	13,16	Rear	Z7
Z.F.		DA N --051111	0,00	Rear	ZD
Z.F.	AS TRONIC MID	12AS1010TD	12,79	Rear	ZN
Z.F.	AS TRONIC MID	12AS1010TO	10,33	Rear	ZN
Z.F.	AS TRONIC MID	12AS1210TO	10,37	Rear	ZN
Z.F.	AS TRONIC MID	12AS1420TD	12,79	Rear	ZO
Z.F.	AS TRONIC MID	12AS1420TO	10,33	Rear	ZO
Z.F.	AS TRONIC MID	12AS1620TO	10,33	Rear	ZO
Z.F.	AS-TRONIC	12AS1630 TD 1,0	15,86	Rear	ZL
Z.F.	AS-TRONIC	12AS1631 TD 1,0	15,86	Rear	ZU
Z.F.	AS-TRONIC	12AS1800	14,88	Rear	ZL
Z.F.	AS-TRONIC	12AS1800-IT	14,88	Rear	ZL
Z.F.	AS-TRONIC	12AS1930 TD 1,0	15,86	Rear	ZL
Z.F.	AS-TRONIC	12AS1930TO 0,78	12,33	Rear	ZL
Z.F.	AS-TRONIC	12AS1931 TD 1,0	15,86	Rear	ZU
Z.F.	AS-TRONIC	12AS1931TO 0,78	12,33	Rear	ZU
Z.F.	AS-TRONIC	12AS2130 TD 1,0	15,86	Rear	ZL
Z.F.	AS-TRONIC	12AS2130TO 0,78	12,33	Rear	ZL
Z.F.	AS-TRONIC	12AS2131 TD 1,0	15,86	Rear	ZU
Z.F.	AS-TRONIC	12AS2131TO 0,78	12,33	Rear	ZU
Z.F.	AS-TRONIC	12AS2140 TD 1,0	15,86	Rear	ZL
Z.F.	AS-TRONIC	12AS2141 TD 1,0	15,86	Rear	ZU
Z.F.	AS-TRONIC	12AS2301 0,78	12,33	Rear	ZU
Z.F.	AS-TRONIC	12AS2301 1,0	15,86	Rear	ZU
Z.F.	AS-TRONIC	12AS2301 TD 1,0	15,86	Rear	ZU
Z.F.	AS-TRONIC	12AS2301 TD 1,0	11,41	Rear	ZU
Z.F.	AS-TRONIC	12AS2301TO 0,78	12,33	Rear	ZU
Z.F.	AS-TRONIC	12AS2330 TD 1,0	15,86	Rear	ZL
Z.F.	AS-TRONIC	12AS2330TO 0,78	12,33	Rear	ZL
Z.F.	AS-TRONIC	12AS2331 TD 1,0	15,86	Rear	ZU
Z.F.	AS-TRONIC	12AS2331TO 0,78	12,33	Rear	ZU
Z.F.	AS-TRONIC	12AS2340 TD 1,0	15,86	Rear	ZL
Z.F.	AS-TRONIC	12AS2341 TD 1,0	15,86	Rear	ZU
Z.F.	AS-TRONIC	12AS2530TO 0,78	12,33	Rear	ZL
Z.F.	AS-TRONIC	12AS2531TO 0,78	12,33	Rear	ZL
Z.F.	AS-TRONIC	12AS2540 TD 1,0	15,86	Rear	ZL
Z.F.	AS-TRONIC	12AS2541 TD 1,0	15,86	Rear	ZL
Z.F.	AS-TRONIC	12AS3001 OD	0,00	Rear	ZL
Z.F.	AS-TRONIC	12AS3140TO 0,78	12,33	Rear	ZL
Z.F.	AS-TRONIC	12AS3140TO 0,78	12,29	Rear	ZL
Z.F.	AS-TRONIC	12AS3141TO 0,78	12,33	Rear	ZL
Z.F.	AS-TRONIC	12AS3141TO 0,78	12,29	Rear	ZL



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#PTO POS. M.D. D.U. ZF 16S151-221

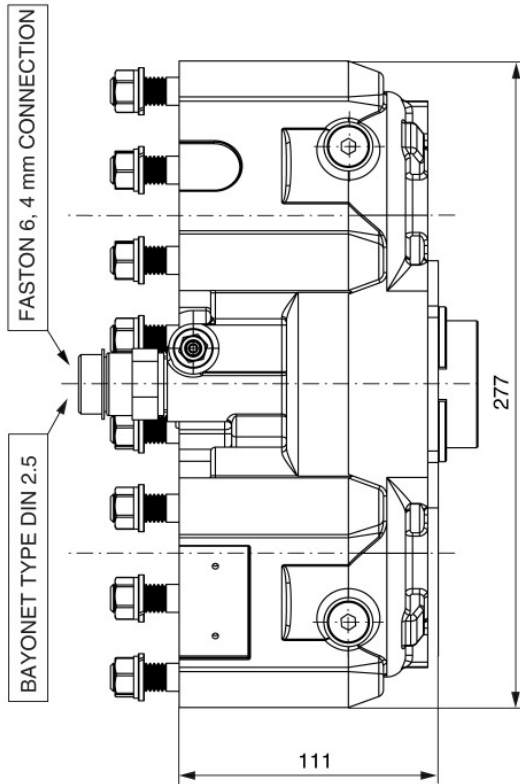
MATCHINGS

Brand	Range	Model	1st Gear ratio	Outlet	Application
Z.F.	AS-TRONIC	16AS2200	15,89	Rear	ZL
Z.F.	AS-TRONIC	16AS2200-IT	15,89	Rear	ZL
Z.F.	AS-TRONIC	16AS2230 TD 1,0	17,03	Rear	ZL
Z.F.	AS-TRONIC	16AS2231 TD 1,0	17,03	Rear	ZL
Z.F.	AS-TRONIC	16AS2601 0,83	13,92	Rear	ZL
Z.F.	AS-TRONIC	16AS2601 0,83	14,12	Rear	ZL
Z.F.	AS-TRONIC	16AS2601 1,0	17,03	Rear	ZL
Z.F.	AS-TRONIC	16AS2601 TD 1,0	17,03	Rear	ZL
Z.F.	AS-TRONIC	16AS2601TO 0,83	14,12	Rear	ZL
Z.F.	AS-TRONIC	16AS2630TO 0,83	14,12	Rear	ZL
Z.F.	AS-TRONIC	16AS2631TO 0,83	14,12	Rear	ZL
Z.F.	AS-TRONIC IT 3	12AS1931 TD 1,0	15,86	Rear	ZP
Z.F.	AS-TRONIC IT 3	12AS2131 TD 1,0	15,86	Rear	ZP
Z.F.	AS-TRONIC IT 3	12AS2331 TD 1,0	15,86	Rear	ZP
Z.F.	AS-TRONIC IT 3	12AS2331TO 0,78	12,33	Rear	ZP
Z.F.	AS-TRONIC IT 3	12AS2541 TD 1,0	15,86	Rear	ZP
Z.F.	AS-TRONIC IT 3	16AS2631TO 0,83	14,12	Rear	ZP
Z.F.	ECOLITE	6 S 1000 TO	6,75	Rear	Z5
Z.F.	ECOLITE	6 S 1200 TD	7,72	Rear	Z5
Z.F.	ECOLITE	6 S 1200 TO	6,75	Rear	Z5
Z.F.	ECOLITE	6 S 800 TO	6,58	Rear	Z5
Z.F.	ECOSPLIT 4	12S2130 TD 1.00	15,57	Rear	ZD
Z.F.	ECOSPLIT 4	12S2330 TD 1.00	15,57	Rear	ZD
Z.F.	ECOSPLIT 4	12S2830 TD 1.00	15,57	Rear	ZD
Z.F.	ECOSPLIT 4	16S1620 TD 1.00	16,41	Rear	ZD
Z.F.	ECOSPLIT 4	16S1920 TD 1.00	16,41	Rear	ZD
Z.F.	ECOSPLIT 4	16S2020 TD 1.00	16,41	Rear	ZD
Z.F.	ECOSPLIT 4	16S2220 TD 1.00	16,41	Rear	ZD
Z.F.	ECOSPLIT 4	16S2320 TD 1.00	16,41	Rear	ZD
Z.F.	ECOSPLIT 4	8S1820 TO 0,84	11,54	Rear	ZD
Z.F.	ECOSPLIT 4	8S2220 TO 0,84	11,54	Rear	ZD
Z.F.	ECOSPLIT 4-IT 3	12S2131 TD 1.00	15,57	Rear	ZG
Z.F.	ECOSPLIT 4-IT 3	12S2331 TD 1.00	15,57	Rear	ZG
Z.F.	ECOSPLIT 4-IT 3	12S2831 TD 1.00	15,57	Rear	ZG
Z.F.	ECOSPLIT 4-IT 3	16S1621 TD 1.00	16,41	Rear	ZG
Z.F.	ECOSPLIT 4-IT 3	16S1921 TD 1.00	16,41	Rear	ZG
Z.F.	ECOSPLIT 4-IT 3	16S2021 TD 1.00	16,41	Rear	ZG
Z.F.	ECOSPLIT 4-IT 3	16S2221 TD 1.00	16,41	Rear	ZG
Z.F.	ECOSPLIT 4-IT 3	16S2321 TD 1.00	16,41	Rear	ZG
Z.F.	ECOSPLIT 4-IT 3	8S1821 TO 0,84	11,54	Rear	ZG
Z.F.	ECOSPLIT 4-IT 3	8S2221 TO 0,84	11,54	Rear	ZG
Z.F.	INTARDER	16S151- 0,84 IT	13,80	Rear	ZG
Z.F.	INTARDER	16S151/1.0ITD.D	13,80	Rear	ZG
Z.F.	INTARDER	16S151/1.0ITD.D	16,41	Rear	ZG



MATCHINGS

Brand	Range	Model	1st Gear ratio	Outlet	Application
Z.F.	INTARDER	16S151/1.0ITD.D	16,47	Rear	ZG
Z.F.	INTARDER	16S151OD0,84 IT	11,54	Rear	ZG
Z.F.	INTARDER	16S151OD0,84 IT	13,80	Rear	ZG
Z.F.	INTARDER	16S151OD0,84 IT	13,86	Rear	ZG
Z.F.	INTARDER	16S151OD0,84 IT	13,74	Rear	ZG
Z.F.	INTARDER	16S1621 TD 1.00	16,41	Rear	ZG
Z.F.	INTARDER	16S181/1.00ITDD	13,80	Rear	ZG
Z.F.	INTARDER	16S181/1.00ITDD	16,41	Rear	ZG
Z.F.	INTARDER	16S181/1.00ITDD	16,47	Rear	ZG
Z.F.	INTARDER	16S181OD0,84 IT	11,54	Rear	ZG
Z.F.	INTARDER	16S181OD0,84 IT	13,80	Rear	ZG
Z.F.	INTARDER	16S181OD0,84 IT	13,86	Rear	ZG
Z.F.	INTARDER	16S1921 TD 1.00	16,41	Rear	ZG
Z.F.	INTARDER	16S221 IT (NEW)	16,47	Rear	ZG
Z.F.	INTARDER	16S221- 0,84 IT	13,80	Rear	ZG
Z.F.	INTARDER	16S221/1.0ITD.D	13,80	Rear	ZG
Z.F.	INTARDER	16S221/1.0ITD.D	16,41	Rear	ZG
Z.F.	INTARDER	16S221OD0,84 IT	11,54	Rear	ZG
Z.F.	INTARDER	16S221OD0,84 IT	13,80	Rear	ZG
Z.F.	INTARDER	16S221OD0,84 IT	13,86	Rear	ZG
Z.F.	INTARDER	16S221OD0,84 IT	13,74	Rear	ZG
Z.F.	INTARDER	16S2221 TD 1.00	16,41	Rear	ZG
Z.F.	INTARDER	16S2221 TO 0.84	13,80	Rear	ZG
Z.F.	INTARDER	16S2231 TD 1.00	16,41	Rear	ZG
Z.F.	INTARDER	16S2231 TO 0.84	13,80	Rear	ZG
Z.F.	INTARDER	16S2321 TD 1.00	16,41	Rear	ZG
Z.F.	INTARDER	16S2331 TD 1.00	16,41	Rear	ZG
Z.F.	INTARDER	16S251OD0,84 IT	11,54	Rear	ZI
Z.F.	INTARDER	16S251OD0,84 IT	13,80	Rear	ZI
Z.F.	INTARDER	16S251OD0,84 IT	13,38	Rear	ZI
Z.F.	INTARDER	16S251OD0,84 IT	13,74	Rear	ZI
Z.F.	INTARDER	16S251OD0,84 IT	13,86	Rear	ZI
Z.F.	INTARDER	16S2521 TO 0.84	13,80	Rear	ZG
Z.F.	INTARDER	16S2721 TO 0.84	13,80	Rear	ZI
Z.F.	INTARDER	DA N --051111	0,00	Rear	ZG



VEHICLE MOTION DIRECTION

