



TECHNICAL CATALOGUE



ABER



2009



Patented

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ABER

HYDRAULIC COMPONENTS
EQUIPOS HIDRÁULICOS

GEAR PUMP WITH INTEGRATED VALVE BOMBA DE ENGENHAJES CON VÁLVULA INTEGRADA

Patented worldwide.
Patentado mundialmente.

ABER ABER ABER
MÁS una patente ABER



Improvements

- Extra sensitive and quick relief valve;
- Efficient cylinder protection;
- Superior robustness;
- Efficient internal lubrication;
- Dramatic reduction of components;
- Very easy to apply;
- Very fast to mount;
- Low weight, 22kg in 105L series;
- 2 series available - 82L and 105L;
- Max. efficiency;
- Axis available in European DIN 5462 or American SAE "B".

Mejoras

- Válvula de alivio llena de sensibilidad y rápida;
- Protección eficiente del cilindro;
- Elevada robustez;
- Lubricación interna eficiente;
- Elevada reducción de componentes;
- Muy fácil de aplicar;
- Montaje muy rápido;
- Bajo peso, 22kg en las series 105L;
- disponible en 2 series - 82L y 105L;
- Máxima eficiencia;
- Eje disponible en DIN 5462 Europeo o Americano SAE "B".

ABER - EMPLAQUEAMENTO E COMANDOS HIDRÁULICOS - A. B., LDA.

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ABER NEW'S

MOTORS

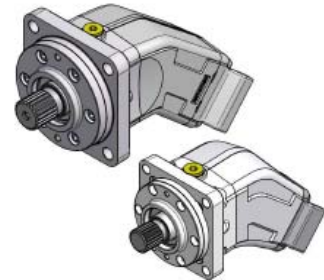
- Oil hydraulic bent motors

RECOMMENDATIONS BEFORE START-UP

MBI30M
MBI40M
MBI50M
MBI60M7
MBI80M7
MBI80P7
MBI110P7



MBI50M5IA1
MBI60M7IA1
MBI80P7IA1
MBI110P7IA1



RECOMMENDATIONS BEFORE START-UP

- Oil hydraulic gear motors

MB34G38
MB34G52
MB34G61
MB34G82
MB34G100
MB34G125
MB34T38
MB34T52
MB34T61
MB34T82
MB34T100
MB34T125



MB33G38
MB33G52
MB33G61
MB33G82
MB33G100
MB33G125
MB33T38
MB33T52
MB33T61
MB33T82
MB33T100
MB33T125



WET KITS

- Side wet kit
- Back wet kit

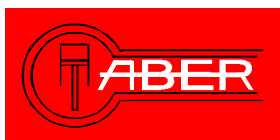
POWER TAKE OFF'S

- Kamaz
- Maz

ADAPTARES

- ADAUNIISO





OIL HYDRAULIC PUMPS

PISTON PUMPS

OIL HYDRAULIC BENT PUMPS

FOR APPLICATIONS: UP TO 350 BAR

PEAK PRESSURE: 400 BAR

REF.	Nº LITERS (at 1000 r.p.m.)
BI 30M	32
BI 40M	42
BI 50M	50
BI 60M7	60
BI 80P7	80
BI 110P7	108



M SERIES



P SERIES

FOR APPLICATIONS: UP TO 300 BAR

PEAK PRESSURE: 350 BAR

REF.	Nº LITERS (at 1000 r.p.m.)
BI 80M7	81

RECOMMENDATIONS BEFORE START-UP

ADMISSION CONNECTORS

REF.	PUMP REF.	DESCRIPTION
AD100114	BI 30M; BI 40M	Admission Connector 1" Pipe 1" 1/4 Straight (Steel)
AD100112	BI 30M; BI 40M; BI 50M; BI 60M7	Admission Connector 1" Pipe 1" 1/2 Straight (Steel)
AD100200	BI 50M; BI 60M7	Admission Connector 1" Pipe 2" Straight (Steel)
AD114200	BI 80M7; BI 80P7	Admission Connector 1" 1/4 Pipe 2" Straight (Steel)
AD112134	BI 110P7	Admission Connector 1" 1/2 Pipe 1" 3/4 Straight (Steel)
AD112200	BI 110P7	Admission Connector 1" 1/2 Pipe 2" Straight (Steel)
A45100114	BI 30M; BI 40M	Admission Connector 1" Pipe 1" 1/4 Elbow 45° (Brass)
A45100112	BI 30M; BI 40M; BI 50M; BI 60M7	Admission Connector 1" Pipe 1" 1/2 Elbow 45° (Brass)
A45114200	BI 80M7; BI 80P7	Admission Connector 1" 1/4 Pipe 2" Elbow 45° (Brass)
A45112200	BI 110P7	Admission Connector 1" 1/2 Pipe 2" Elbow 45° (Brass)
A90100114	BI 30M; BI 40M	Admission Connector 1" Pipe 1" 1/4 Elbow 90° (Brass)
A90100112	BI 30M; BI 40M; BI 50M; BI 60M7	Admission Connector 1" Pipe 1" 1/2 Elbow 90° (Brass)
A90100134	BI 50M; BI 60M7	Admission Connector 1" Pipe 1" 3/4 Elbow 90° (Brass)
A90114134	BI 80M7; BI 80P7	Admission Connector 1" 1/4 Pipe 1" 3/4 Elbow 90° (Brass)
A90114200	BI 80M7; BI 80P7	Admission Connector 1" 1/4 Pipe 2" Elbow 90° (Brass)
A90112200	BI 110P7	Admission Connector 1" 1/2 Pipe 2" Elbow 90° (Brass)





OIL HYDRAULIC PUMPS

PISTON PUMPS

OIL HYDRAULIC PUMPS



FOR APPLICATIONS: UP TO 320 BAR
PEAK PRESSURE: 370 BAR

REF.	N° LITERS (at 1000 r.p.m.)
BHV21316	19
BHV21416	25
BHV21516	32
BHV21616	40
BHV21716	45
BHT25619	60
BHT22819	80
BHV25913	86 (*)

(*) FOR APPLICATIONS UP TO 300 BAR

FOR APPLICATIONS: UP TO 400 BAR
PEAK PRESSURE: 450 BAR

REF.	N° LITERS (at 1000 r.p.m.)
BS21716	52
BHV21816	60
BHV211113	80

USUAL APPLICATION :

CRANES



SCISSORS



FOR APPLICATIONS: UP TO 250 BAR
PEAK PRESSURE: 320 BAR
BHZ PUMPS ONLY TO BILATERAL, TRILATERAL AND FRONTAL TIPPERS

REF.	N° LITERS (at 1000 r.p.m.)
BHZ25319	32
BHZ25419	40
BHZ25519	50
BHZ25619	60
BHZ25716	70
BHZ25719	80
BHZ25916	110

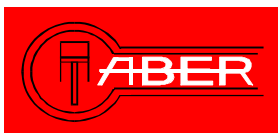
RECOMMENDATIONS BEFORE START-UP



ADMISSION CONNECTORS

REF.	PUMP REF.	DESCRIPTION
AD114114	BHV21316; BHV21416; BHV21516	Admission Connector 1" 1/4 Pipe 1"1/4 Straight (Steel)
	BHZ25319	
AD114112	BHV21316; BHV21416; BHV21516; BHV21616;	Admission Connector 1" 1/4 Pipe 1"1/2 Straight (Steel)
	BHV21716; BHT25619	
	BHZ25319; BHZ25419; BHZ25519; BHZ25619	
AD114200	BHT25619; BHZ25619	Admission Connector 1" 1/4 Pipe 2" Straight (Steel)
AD112112	BHV21816; BS21716	Admission Connector 1" 1/2 Pipe 1" 1/2 Straight (Steel)
AD112134	BHV21816; BS21716	Admission Connector 1" 1/2 Pipe 1" 3/4 Straight (Steel)
AD112200	BHV21816; BHV211113; BHV25913; BS21716;	Admission Connector 1" 1/2 Pipe 2" Straight (Steel)
	BHT22819; BHZ25716; BHZ25719; BHZ25916	
A45114112	BHV21316; BHV21416; BHV21516; BHV21616;	Admission Connector 1"1/4 Pipe 1"1/2 Elbow 45° (Brass)
	BHV21716; BHT25619	
	BHZ25319; BHZ25419; BHZ25519; BHZ25619	
A45114200	BHT25619; BHZ25619	Admission Connector 1"1/4 Pipe 2" Elbow 45° (Brass)
A90114114	BHV21316; BHV21416; BHV21516	Admission Connector 1"1/4 Pipe 1"1/4 Elbow 90° (Brass)
A90114112	BHV21316; BHV21416; BHV21516; BHV21616;	Admission Connector 1"1/4 Pipe 1"1/2 Elbow 90° (Brass)
	BHV21716; BHT25619	
	BHZ25319; BHZ25419; BHZ25519; BHZ25619	
A90114134	BHT25619; BHZ25619	Admission Connector 1"1/4 Pipe 1"3/4 Elbow 90° (Brass)
A90112200	BHV21816; BHV211113; BHV25913; BS21716;	Admission Connector 1"1/2 Pipe 2" Elbow 90° (Brass)
	BHT22819; BHZ25716; BHZ25719; BHZ25916	





OIL HYDRAULIC PUMPS

PISTON PUMPS

PUMPS WITH TWO OIL OUTLET



FOR APPLICATIONS: UP TO 400 BAR ; PEAK PRESSURE: 450 BAR

REF.	N° LITERS (at 1000 r.p.m.)
BHD211213	45 + 45 = 90

FOR APPLICATIONS: UP TO 300 BAR ; PEAK PRESSURE: 350 BAR

REF.	N° LITERS (at 1000 r.p.m.)
BHD25813	40 + 40 = 80
BHD25913	60 + 30 = 90

FOR APPLICATIONS: UP TO 250 BAR ; PEAK PRESSURE: 300 BAR

REF.	N° LITERS (at 1000 r.p.m.)
BHD25816	50 + 50 = 100
BHD25916	72 + 38 = 110

ADMISSION CONNECTORS

REF.	PUMP REF.	DESCRIPTION
AD112200	BHD25813; BHD25913 BHD25816; BHD25916; BHD211213	Admission Connector 1" 1/2 Pipe 2" Straight (Steel)
A90112200	BHD25813; BHD25913 BHD25816; BHD25916; BHD211213	Admission Connector 1"1/2 Pipe 2" Elbow 90° (Brass)



RECOMMENDATIONS BEFORE START-UP

OPTIONS OF AXLES :



AXLE DIN 5462
(STANDARD - EN)
CLOSE COUPLE (SE)



AXLE DIN 9611
(AGRICULTURAL INDENTED - DA)



AXLE DIN 5463



AXLE (8 TEETH - 12 DP)



AXLE DIN 5482
(MULTIPLIER INDENTED - DM)



(INTERIOR INDENTED - DI)



AXLE SAE B
(INVOLUTE SPLINE
13 TEETH - 16/32 DP)



OIL HYDRAULIC GEAR PUMPS

HIGH PRESSURE - BIDIRECTIONAL - CAST IRON

B34T SERIES

REF.	DESCRIPTION	OP. PRESS.(BAR)	PEAK PRES.(BAR)	Nº LITERS (at 1000 r.p.m.)
B34T38	Gear Pump 38 L; Rear Input/Output; 4 Bolts (ISO/SE)	280	310	38,3
B34T52	Gear Pump 52 L; Rear Input/Output; 4 Bolts (ISO/SE)	250	300	51,6
B34T61	Gear Pump 61 L; Rear Input/Output; 4 Bolts (ISO/SE)	230	260	60,9
B34T82	Gear Pump 82 L; Rear Input/Output; 4 Bolts (ISO/SE)	200	230	81,6
B34T105	Gear Pump 105 L; Rear Input/Output; 4 Bolts (ISO/SE)	180	220	105,0
B34T125	Gear Pump 125 L; Rear Input/Output; 4 Bolts (ISO/SE)	180	220	124,9



B33T SERIES

REF.	DESCRIPTION	OP. PRESS.(BAR)	PEAK PRES.(BAR)	Nº LITERS (at 1000 r.p.m.)
B33T38	Gear Pump 38 L; Rear Input/Output; 3 Bolts (UNI)	280	310	38,3
B33T52	Gear Pump 52 L; Rear Input/Output; 3 Bolts (UNI)	250	300	51,6
B33T61	Gear Pump 61 L; Rear Input/Output; 3 Bolts (UNI)	230	260	60,9
B33T82	Gear Pump 82 L; Rear Input/Output; 3 Bolts (UNI)	200	230	81,6
B33T105	Gear Pump 105 L; Rear Input/Output; 3 Bolts (UNI)	180	220	105,0
B33T125	Gear Pump 125 L; Rear Input/Output; 3 Bolts (UNI)	180	220	124,9



ADMISSION CONNECTORS

REF.	PUMP REF.	DESCRIPTION
AD034112	B33T38; B34T38	Admission Connector 3/4" Pipe 1"1/2 Straight (Steel)
AD100112	B33T52; B33T61 B34T52; B34T61	Admission Connector 1" Pipe 1" 1/2 Straight (Steel)
AD100200	B33T52; B33T61 B34T52; B34T61	Admission Connector 1" Pipe 2" Straight (Steel)
AD114200	B33T82; B33T105; B33T125 B34T82; B34T105; B34T125	Admission Connector 1" 1/4 Pipe 2" Straight (Steel)
A45034112	B33T38; B34T38	Admission Connector 3/4" Pipe 1"1/2 Elbow 45° (Brass)
A45100112	B33T52; B33T61 B34T52; B34T61	Admission Connector 1" Pipe 1"1/2 Elbow 45° (Brass)
A45114200	B33T82; B33T105; B33T125 B34T82; B34T105; B34T125	Admission Connector 1"1/4 Pipe 2" Elbow 45° (Brass)
A90100112	B33T52; B33T61 B34T52; B34T61	Admission Connector 1" Pipe 1"1/2 Elbow 90° (Brass)
A90100134	B33T52; B33T61 B34T52; B34T61	Admission Connector 1" Pipe 1"3/4 Elbow 90° (Brass)
A90114134	B33T82; B34T82	Admission Connector 1"1/4 Pipe 1"3/4 Elbow 90° (Brass)
A90114200	B33T82; B33T105; B33T125 B34T82; B34T105; B34T125	Admission Connector 1"1/4 Pipe 2" Elbow 90° (Brass)



**RECOMMENDATIONS
BEFORE START-UP**



OIL HYDRAULIC GEAR PUMPS

HIGH PRESSURE - BIDIRECTIONAL - CAST IRON

B24T SERIES

REF.	DESCRIPTION	OP. PRESS.(BAR)	PEAK PRES.(BAR)	Nº LITERS (at 1000 r.p.m.)
B24T16	Gear Pump 16 L; Rear Input/Output; 4 Bolts (ISO/SE)	280	325	16,6
B24T20	Gear Pump 20 L; Rear Input/Output; 4 Bolts (ISO/SE)	260	290	20,8
B24T25	Gear Pump 25 L; Rear Input/Output; 4 Bolts (ISO/SE)	220	260	26,0
B24T32	Gear Pump 32 L; Rear Input/Output; 4 Bolts (ISO/SE)	190	220	32,6
B24T40	Gear Pump 40 L; Rear Input/Output; 4 Bolts (ISO/SE)	170	200	39,8



B23T SERIES

REF.	DESCRIPTION	OP. PRESS.(BAR)	PEAK PRES.(BAR)	Nº LITERS (at 1000 r.p.m.)
B23T16	Gear Pump 16 L; Rear Input/Output; 3 Bolts (UNI)	280	325	16,6
B23T20	Gear Pump 20 L; Rear Input/Output; 3 Bolts (UNI)	260	290	20,8
B23T25	Gear Pump 25 L; Rear Input/Output; 3 Bolts (UNI)	220	260	26,0
B23T32	Gear Pump 32 L; Rear Input/Output; 3 Bolts (UNI)	190	220	32,6
B23T40	Gear Pump 40 L; Rear Input/Output; 3 Bolts (UNI)	170	200	39,8



ADMISSION CONNECTORS

REF.	REF. PUMP	DESCRIPTION
AD034100	B23T16; B23T20; B23T25	Admission Connector 3/4" Pipe 1" Straight (Steel)
	B24T16; B24T20; B24T25	
AD034114	B23T16; B23T20; B23T25	Admission Connector 3/4" Pipe 1"1/4 Straight (Steel)
	B23T32; B23T40	
	B24T16; B24T20; B24T25	
	B24T32; B24T40	
AD034112	B23T32; B23T40	Admission Connector 3/4" Pipe 1"1/2 Straight (Steel)
	B24T32; B24T40	
A45034112	B23T16; B23T20; B23T25	Admission Connector 3/4" Pipe 1"1/2 Elbow 45° (Brass)
	B23T32; B23T40	
	B24T16; B24T20; B24T25	
	B24T32; B24T40	
A90034114	B23T16; B23T20; B23T25	Admission Connector 3/4" Pipe 1"1/4 Elbow 90° (Brass)
	B23T32; B23T40	
	B24T16; B24T20; B24T25	
	B24T32; B24T40	
A90034112	B23T32; B23T40	Admission Connector 3/4" Pipe 1"1/2 Elbow 90° (Brass)
	B24T32; B24T40	



**RECOMMENDATIONS
BEFORE START-UP**



ACCESSORIES

FLANGE

REF.	DESCRIPTION
F1100	Flange SAE 1100 DIN 5462 B8*32*36
F1300	Flange SAE 1300 DIN 5462 B8*32*36
F1400	Flange SAE 1400 DIN 5462 B8*32*36
FD100	Flange DIN 100; Exterior diameter 100



FLANGE MALE

REF.	DESCRIPTION
FM1100	Flange Male SAE 1100 DIN 5462 B8*32*36
FM1300	Flange Male SAE 1300 DIN 5462 B8*32*36
FM1400	Flange Male SAE 1400 DIN 5462 B8*32*36
FMD100	Flange Male DIN 100; Exterior diameter 100



ADJUSTABLE FLANGE

REF.	DESCRIPTION
FA1100	Adjustable Flange SAE 1100 Hole
FA1300	Adjustable Flange SAE 1300 Hole
FA1400	Adjustable Flange SAE 1400 Hole
FAD100	Adjustable Flange DIN 100; Exterior diameter 100



COUPLING PLATES TO SOLDER

REF.	DESCRIPTION
FS1100	Coupling Plates to Solder SAE 1100 Hole
FS1300	Coupling Plates to Solder SAE 1300 Hole
FS1400	Coupling Plates to Solder SAE 1400 Hole
FSD100	Coupling Plates to Solder DIN 100; Exterior diameter 100

COUPLING PLATES AGRICULTURAL

REF.	DESCRIPTION
FG1100	Coupling Plates Agricultural Series DIN 9611 SAE1100 Hole
FG1300	Coupling Plates Agricultural Series DIN 9611 SAE1300 Hole
FG1400	Coupling Plates Agricultural Series DIN 9611 SAE1400 Hole
FGD100	Coupling Plates Agricultural Series DIN 9611 DIN 100; Exterior diameter 100

ADAPTER VB - PTO OUTPUT SHAFT DRIVE

REF.	DESCRIPTION
ADA1100R	Adapter VB/output shaft drive 1100. With two bearings
ADA1300R	Adapter VB/output shaft drive 1300. With two bearings
ADA1400R	Adapter VB/output shaft drive 1400. With two bearings
ADAD100R	Adapter VB/output shaft drive DIN 100. With two bearings
ADA1100	Adapter VB/output shaft drive 1100
ADA1300	Adapter VB/output shaft drive 1300
ADA1400	Adapter VB/output shaft drive 1400
ADAD100	Adapter VB/output shaft drive DIN 100



ADAPTER UNI - ISO(SE) / ISO(SE) - UNI

REF.	DESCRIPTION
ADA3F4F	Adapter UNI to SE (to all PTO's)
ADA4F3F	Adapter SE to UNI (to all PTO's)
ADA4F3FC	Adapter SE to UNI short (to low torque PTO's)



ADA3F4F

ADA4F3F



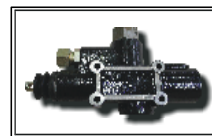
HYDRAULIC TIPPING VALVES

TIPPING VALVES

APPLICATION: UP TO 300 BAR

PEAK PRESSURE: 350 BAR

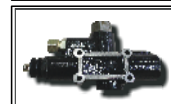
REF.	DESCRIPTION
DTCA130	Tipping Valve up to 130L; Open circuit; progressive descent
DTCA1302P	Tipping Valve up to 130L; Open circuit; progressive descent; 2 pressure range
DTCA1303P	Tipping Valve up to 130L; Open circuit; progressive descent; 3 pressure range
VVLR130	Tipping Valve up to 130L; Close circuit; 1 or 2 descent speeds
VVLR1302P	Tipping Valve up to 130L; Close circuit; 1 or 2 descent speeds; 2 pressure range
VVLR1303P	Tipping Valve up to 130L; Close circuit; 1 or 2 descent speeds; 3 pressure range
VVP130	Tipping Valve up to 130L; Close circuit; progressive descent
VVLR13001	Tipping Valve up to 130L; Close circuit; 1 or 2 descent speeds (BSP 1")
VVLR130F	Tipping Valve up to 130L; Close circuit; 1 or 2 descent speeds; end of stroke
VVP130F	Tipping Valve up to 130L; Close circuit; progressive descent; end of stroke
DTCA130F	Tipping Valve up to 130L; Open circuit; progressive descent; end of stroke
DTCA13001	Tipping Valve up to 130L; Open circuit; progressive descent (BSP 1")
DTCA1302V	Tipping Valve up to 130L; Open circuit; 2 descent speeds
DTCA200CP	Tipping Valve up to 200L; Open circuit; progressive descent
DT50C3C0	Tipping Valve up to 50L + cable for mechanical operation 3.0 m



APPLICATION: UP TO 200 BAR

PEAK PRESSURE: 250 BAR

REF.	DESCRIPTION
VVP150	Tipping Valve up to 150L; Close circuit; progressive descent
DTCA170	Tipping Valve up to 170L; Open circuit; progressive descent
DTCA1702P	Tipping Valve up to 170L; Open circuit; progressive descent; 2 pressure range
DTCA1703P	Tipping Valve up to 170L; Open circuit; progressive descent; 3 pressure range
DTCA170F	Tipping Valve up to 170L; Open circuit; progressive descent; end of stroke
DTCA1702V	Tipping Valve up to 170L; Open circuit; 2 descent speeds



ELECTRICAL DISTRIBUTORS

REF.	DESCRIPTION
DTE4012	Electrical Distributor 3 ways, 40L; 12V
DTE4024	Electrical Distributor 3 ways, 40L; 24V



ELECTROVALVES

REF.	DESCRIPTION
EVNC01	Electrovalve, normally close ; 40L/Min; 1/2" ; 12 V
EVNC02	Electrovalve, normally close ; 40L/Min; 1/2" ; 24 V
EVNO01	Electrovalve, normally open ; 40L/Min; 1/2" ; 12 V
EVNO02	Electrovalve, normally open ; 40L/Min; 1/2" ; 24 V
EVNC03	Electrovalve, normally close ; 40L/Min; 3/8" ; 12 V
EVNC04	Electrovalve, normally close ; 40L/Min; 3/8" ; 24 V
EVNO03	Electrovalve, normally open ; 40L/Min; 3/8" ; 12 V
EVNO04	Electrovalve, normally open ; 40L/Min; 3/8" ; 24 V
EVNCAR01	Electrovalve, normally close ; 40L/Min; 1/2" ; 12 V ; with anti return valve
EVNCAR02	Electrovalve, normally close ; 40L/Min; 1/2" ; 24 V ; with anti return valve
EVNOAR01	Electrovalve, normally open ; 40L/Min; 1/2" ; 12 V ; with anti return valve
EVNOAR02	Electrovalve, normally open ; 40L/Min; 1/2" ; 24 V ; with anti return valve
EVNCAR03	Electrovalve, normally close ; 40L/Min; 3/8" ; 12 V ; with anti return valve
EVNCAR04	Electrovalve, normally close ; 40L/Min; 3/8" ; 24 V ; with anti return valve
EVNOAR03	Electrovalve, normally open ; 40L/Min; 3/8" ; 12 V ; with anti return valve
EVNOAR04	Electrovalve, normally open ; 40L/Min; 3/8" ; 24 V ; with anti return valve
EVNC0C1	Electrovalve, normally close; 40 L/Min; 1/2"; 12 V ; with anti return valve+press limit
EVNC0C2	Electrovalve, normally close; 40 L/Min; 1/2"; 24 V ; with anti return valve+press limit
EVNO0C1	Electrovalve, normally open; 40 L/Min; 1/2"; 12 V ; with anti return valve+press limit
EVNO0C2	Electrovalve, normally open; 40 L/Min; 1/2"; 24 V ; with anti return valve+press limit
EVNC8012	Electrovalve, normally close; 80 L/Min; 1/2"; 12 V ; with anti return valve+press limit
EVNC8024	Electrovalve, normally close; 80 L/Min; 1/2"; 24 V ; with anti return valve+press limit
EVNO8012	Electrovalve, normally open; 80 L/Min; 1/2"; 12 V ; with anti return valve+press limit
EVNO8024	Electrovalve, normally open; 80 L/Min; 1/2"; 24 V ; with anti return valve+press limit



DIRECTIONAL VALVES

REF.	DESCRIPTION
AOHCACC1	One-way valve, with warning light+pres.gauge
AOHCACMC1	One-way valve, metallic
AOHCACC2	Double one-way valve, with warning light+pres.gauge
AOHCACMC2	Double one-way valve, metallic
AOHCACC3	Triple one-way valve, with warning light+pres.gauge
AOHCACMC3	Triple one-way valve, metallic
ABCD42	2 way distributor valve, with warning light+pres.gauge - fix up and down
ABCD73	3 way distributor valve, with warning light+pres.gauge - fix up and down
ABCD52	2 way dist. valve, with warning light+pres.gauge - automatic return up and down
ABCD83	3 way distributor valve, with warning light+pres.gauge - automatic return up and down
ABCD62	2 way distributor valve, with warning light+pres.gauge - automatic return up and fix down
ABCD93	3 way distributor valve, with warning light+pres.gauge - automatic return up and fix down
DCM01	Distributor Control Meiller type
PTOCM01	PTO Control Meiller type



VACCUM KITS

REF.	DESCRIPTION
KVAC12	Vaccum KIT 12V
KVAC24	Vaccum KIT 24V



PNEUMATIC KITS

REF.	DESCRIPTION
KPNE12	Pneumatic KIT 12V for PTO
KPNE24	Pneumatic KIT 24V for PTO



PNEUMATIC VALVES

REF.	DESCRIPTION
V358910CP	Pneumatic Valve 5X2 R 1/8 BOT.



HOSES

REF.	DESCRIPTION
AOHTU6C4	Poliurethane Hose 6*4 (in 100/ 200 m bobines) (Work P: 0 to 11 bar; Work T: -20 to 60°C)
AOHTU6C4	Poliurethane Hose 6*4 (Work P: 0 to 11 bar; Work T: -20 to 60°C)
AOHTNY6C4	Nylon Hose 6*4 (in 100/200 m bobines) (Work P: 0 to 15 bar; Work T: -20 to 100°C)
AOHTNY6C4	Nylon Hose 6*4 (Work P: 0 to 15 bar; Work T: -20 to 100°C)



FITTINGS

REF.	DESCRIPTION
R614CCR	Quick Air Fitting 1/4". 4*6. Elbow 90°
R614DCR	Quick Air Fitting 1/4". 4*6. Straight
R618CCR	Quick Air Fitting 1/8". 4*6. Elbow 90°
R618DCR	Quick Air Fitting 1/8". 4*6. Straight

HYDRAULIC KIT PARTS

REF.	DESCRIPTION
KHP01	Hydraulik hoses and connectors kit standard
KHP02	Hose support



OIL TANKS; MINI POWER PACKS

OIL TANKS

REF.	DESCRIPTION	CAPACITY
DP0121CL	Oil Tank Interior	21 L
DP0140CL	Oil Tank Interior	40 L
DPL01125	Oil Tank Lateral with Oil Filter	125 L
DPL01160	Oil Tank Lateral with Oil Filter	160 L
DPL01200	Oil Tank Lateral with Oil Filter	200 L
DP02160CL	Oil Tank Exterior without filter flange	160 L
DP01160CL	Oil Tank Exterior with filter flange	160 L
DP02185CL	Oil Tank Exterior without filter flange	185 L
DP01185CL	Oil Tank Exterior with filter flange	185 L
CFDV035	Adapter of valve/distributor to tank	-
CFFD001	Adapter flange of filter to tank	-
FRD01	Oil Return Filter (oil tank up to 125L)	-
FRD02	Oil Return Filter (oil tank bigger than 125L)	-



CFDV035

CFFD001

HYDRAULIC POWER PACK WITH LOWERING VALVE; SINGLE ACTING CYLINDERS

REF.	DESCRIPTION
CTPC1	Hydraulic Power Pack - Plastic Oil Tank 8 L; Motor 12 V; Lowering Valve
CTPCEC1	Hydraulic Power Pack - Plastic Oil Tank 8 L; Motor 12 V; Lowering Valve; with Exterior Controller
CTPC2	Hydraulic Power Pack - Plastic Oil Tank 8 L; Motor 24 V; Lowering Valve
CTPCEC2	Hydraulic Power Pack - Plastic Oil Tank 8 L; Motor 24 V; Lowering Valve; with Exterior Controller
CTPC3	Hydraulic Power Pack - Plastic Oil Tank 10 L; Motor 12 V; Lowering Valve
CTPCEC3	Hydraulic Power Pack - Plastic Oil Tank 10 L; Motor 12 V; Lowering Valve; with Exterior Controller
CTPC4	Hydraulic Power Pack - Plastic Oil Tank 10 L; Motor 24 V; Lowering Valve
CTPCEC4	Hydraulic Power Pack - Plastic Oil Tank 10 L; Motor 24 V; Lowering Valve; with Exterior Controller
CTMC1	Hydraulic Power Pack - Metallic Oil Tank 8 L; Motor 12 V; Lowering Valve
CTMCEC1	Hydraulic Power Pack - Metallic Oil Tank 8 L; Motor 12 V; Lowering Valve; with Exterior Controller
CTMC2	Hydraulic Power Pack - Metallic Oil Tank 8 L; Motor 24 V; Lowering Valve
CTMCEC2	Hydraulic Power Pack - Metallic Oil Tank 8 L; Motor 24 V; Lowering Valve; with Exterior Controller
CTMC3	Hydraulic Power Pack - Metallic Oil Tank 10 L; Motor 12 V; Lowering Valve
CTMCEC3	Hydraulic Power Pack - Metallic Oil Tank 10 L; Motor 12 V; Lowering Valve; with Exterior Controller
CTMC4	Hydraulic Power Pack - Metallic Oil Tank 10 L; Motor 24 V; Lowering Valve
CTMCEC4	Hydraulic Power Pack - Metallic Oil Tank 10 L; Motor 24 V; Lowering Valve; with Exterior Controller



HYDRAULIC POWER PACK TO DOUBLE ACTING CYLINDERS

REF.	DESCRIPTION
CTPDEC1	Hydraulic Power Pack - Plastic Oil Tank 8 L; Motor 12 V; Double Acting Cylinder to manual distributor
CTPDEC2	Hydraulic Power Pack - Plastic Oil Tank 8 L; Motor 24 V; Double Acting Cylinder to manual distributor
CTPDEC3	Hydraulic Power Pack - Plastic Oil Tank 10 L; Motor 12 V; Double Acting Cylinder to manual distributor
CTPDEC4	Hydraulic Power Pack - Plastic Oil Tank 10 L; Motor 24 V; Double Acting Cylinder to manual distributor
CTMDEC1	Hydraulic Power Pack - Metallic Oil Tank 8 L; Motor 12 V; Double Acting Cylinder to manual distributor
CTMDEC2	Hydraulic Power Pack - Metallic Oil Tank 8 L; Motor 24 V; Double Acting Cylinder to manual distributor
CTMDEC3	Hydraulic Power Pack - Metallic Oil Tank 10 L; Motor 12 V; Double Acting Cylinder to manual distributor
CTMDEC4	Hydraulic Power Pack - Metallic Oil Tank 10 L; Motor 24 V; Double Acting Cylinder to manual distributor

ALSO AVAILABLE:

HYDRAULIC POWER PACK TO DOUBLE ACTING CYLINDERS
OTHER TANK DIMENSIONS (Ex: 6L; 15 L; 18 L)



FLOW DIVIDERS; END OF STROKE VALVES; CONTROL SYSTEMS

2 WAYS BALL VALVE

REF.	DESCRIPTION
VD2V38C1	2 Ways Ball Valve 3/8"
VD2V12C1	2 Ways Ball Valve 1/2"
VD2V34C1	2 Ways Ball Valve 3/4"
VD2V10C1	2 Ways Ball Valve 1"



3 WAYS BALL VALVE

REF.	DESCRIPTION
VD3V38C1	3 Ways Ball Valve 3/8"
VD3V12C1	3 Ways Ball Valve 1/2"
VD3V34C1	3 Ways Ball Valve 3/4"
VD3V10C1	3 Ways Ball Valve 1"

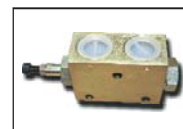
HIGH PRESSURE 3 WAYS FLOW DIVIDER

REF.	DESCRIPTION
DC3V38C1	3 Ways Flow Divider 3/8"
DC3V12C1	3 Ways Flow Divider 1/2"
DC3V34C1	3 Ways Flow Divider 3/4"
DC3V10C1	3 Ways Flow Divider 1"
DC3V34AP	3 Ways Flow Divider 3/4" Pneumatic Circuit Selector
DC3V10AP	3 Ways Flow Divider 1" Pneumatic Circuit Selector



END OF STROKE VALVES

REF.	DESCRIPTION
AOHVFC12	End of Stroke Valve 1/2
AOHVFC34	End of Stroke Valve 3/4
VFCNO	Pneumatic End of Stroke Normally Open
SVFCNO	Pneumatic End of Stroke Normally Open + Support



MINI POWER PACK CONTROLS

REF.	DESCRIPTION
CEC0C1	Exterior Mini Power Pack Controller
BT01CC	Mini Power Pack Button
IT01CC	Mini Power Pack Joy Stick



POWER TAKE OFF ZF

PTO REF.	OBS.	GEAR BOX
TF4001SP *	—	S5-35 (ratio 1:1)
TF4001AMP *	—	S5-35 (ratio 1:1,32)
TF4002SP *	—	S5-50 ; S5-90 ; S6-65 ; S6-66 ; S6-70 ; S6-75 ; S6-80 ; S6-90 ; 6S-800 ; 6S-1000 (ratio 1:1)
TF4002AMP *	—	S5-50 ; S5-90 ; S6-65 ; S6-66 ; S6-70 ; S6-75 ; S6-80 ; S6-90 ; 6S-800 ; 6S-1000 (ratio 1:1,32)
TF4003SP *	VK4002 + TF4002SP	16-S-130 ; 16-S-160 ; 16-S-190 ; 16-S-220 ; 16-S-112/17,28 (trilobe) (ratio 1:1)
TF4003AMP *	VK4002 + TF4002AMP	16-S-130 ; 16-S-160 ; 16-S-190 ; 16-S-220 ; 16-S-112/17,28 (trilobe) (ratio 1:1,32)
TF4004SP *	VK4001 + TF4002SP	8-S-151; 16-S-151 ; 16-S-181 ; 16-S-221 ; 16-S-1620 ; 16-S-1820 ; 16-S-1920 ; 16-S-2220 ; 16-S-2520 ; 8S-1620 TD ; 8S-1820 TO ; 8S-220 TO ; 16S-2320 TD ; 16S-2330 TD ; 16S-2720 TO ; 16S-2730 TO (Z=14) (ratio 1:1)
TF4004AMP *	VK4001 + TF4002AMP	8-S-151; 16-S-151 ; 16-S-181 ; 16-S-221 ; 16-S-1620 ; 16-S-1820 ; 16-S-1920 ; 16-S-2220 ; 16-S-2520 ; 8S-1620 TD ; 8S-1820 TO ; 8S-220 TO ; 16S-2320 TD ; 16S-2330 TD ; 16S-2720 TO ; 16S-2730 TO (Z=14) (ratio 1:1,32)
TF4005SP *	VK4005 + TF4002SP	16-K-130 ; 16-S-112 ; 16-S-150 (trilobe) (ratio 1:1)
TF4005AMP *	VK4005 + TF4002AMP	16-K-130 ; 16-S-112 ; 16-S-150 (trilobe) (ratio 1:1,32)
TF4006SP *	VK4006 + TF4002SP	16-S-112 A ; 16-S-130 A ; 16-S-160 A ; 16-S-190 A ; 16-S-220 A (trilobe) (ratio 1:1)
TF4006AMP *	VK4006 + TF4002AMP	16-S-112 A ; 16-S-130 A ; 16-S-160 A ; 16-S-190 A ; 16-S-220 A (trilobe) (ratio 1:1,32)
TF4011SP *	VK4007 + TF4002SP	16-S-151 IT ; 16-S-181 IT ; 16-S-221 IT ; 16-S-1620 TD ; 16-S-1820 TO ; 16-S-1920 TD ; 16-S-2220 TD/TO ; 16-S-2520 TO ; 16S-1621 TD ; 16S-1921 TD ; 16S-2321 TD ; 16S-2331 TD ; (Z=14) (ratio 1:1)
TF4011AMP *	VK4007 + TF4002AMP	16-S-151 IT ; 16-S-181 IT ; 16-S-221 IT ; 16-S-1620 TD ; 16-S-1820 TO ; 16-S-1920 TD ; 16-S-2220 TD/TO ; 16-S-2520 TO ; 16S-1621 TD ; 16S-1921 TD ; 16S-2321 TD ; 16S-2331 TD ; (Z=14) (ratio 1:1,32)
TF4012SP *	VK4008 + TF4002SP	16-S-251 IT ; 16-S-2720 TO (Z=14) (ratio 1:1)
TF4012AMP *	VK4008 + TF4002AMP	16-S-251 IT ; 16-S-2720 TO (Z=14) (ratio 1:1,32)
TF4013SP *	VK4009 + TF4002SP	16-S-150 IT (trilobe) (ratio 1:1)
TF4013AMP *	VK4009 + TF4002AMP	16-S-150 IT (trilobe) (ratio 1:1,32)
TF4014SP *	—	S6-36 ; 6S-850 (ratio 1:1)
TF4014AMP *	—	S6-36 ; 6S-850 (ratio 1:1,32)
TF4015SP *	VK4015 + TF4002SP	5 - 90 GP ; 5 - 92 GP ; 4 - 120 GP (ratio 1:1)
TF4015AMP *	VK4015 + TF4002AMP	5 - 90 GP ; 5 - 92 GP ; 4 - 120 GP (ratio 1:1,32)
TF4016SP *	VK4016 + TF4002SP	5 - 110 GPA (ratio 1:1)
TF4016AMP *	VK4016 + TF4002AMP	5 - 110 GPA (ratio 1:1,32)
TF4017SP *	VK4017 + TF4002SP	5 - 110 GP ; 5 - 111 GP ; 4 - 150 GP (ratio 1:1)
TF4017AMP *	VK4017 + TF4002AMP	5 - 110 GP ; 5 - 111 GP ; 4 - 150 GP (ratio 1:1,32)
TF4018SP *	VK4018 + TF4002SP	9-S-75/13,16 ; 9-S-75/9,56 (ratio 1:1)
TF4018AMP *	VK4018 + TF4002AMP	9-S-75/13,16 ; 9-S-75/9,56 (ratio 1:1,32)
TF4019SP *	VK4019 + TF4002SP	9-S-109/10,25 ; 9-S-109/10,24 ; 16-S-109/11,86 ; 16-S-109/13,53 (ratio 1:1)
TF4019AMP *	VK4019 + TF4002AMP	9-S-109/10,25 ; 9-S-109/10,24 ; 16-S-109/11,86 ; 16-S-109/13,53 (ratio 1:1,32)
TF4020SP *	VK4020 + TF4002SP	9-S-109/12,92 ; 16-S-109/13,04 ; 16-S-109/13,30 ; 16-S-109/13,42 ; 8-S-109 (ratio 1:1)
TF4020AMP *	VK4020 + TF4002AMP	9-S-109/12,92 ; 16-S-109/13,04 ; 16-S-109/13,30 ; 16-S-109/13,42 ; 8-S-109 (ratio 1:1,32)
TF4021SP *	VK4021 + TF4002SP	9-S-109/12,91 ; 16-S-109/13,31 ; 16-S-109/13,41 ; 9-S-1110TO/9,48 ; 9-S-1310TO/9,48 ; 9S-1110 TO ; 9S-1310 TO (ratio 1:1)
TF4021AMP *	VK4021 + TF4002AMP	9-S-109/12,91 ; 16-S-109/13,31 ; 16-S-109/13,41 ; 9-S-1110TO/9,48 ; 9-S-1310TO/9,48 ; 9S-1110 TO ; 9S-1310 TO (ratio 1:1,32)
TF4022SP *	VK4022 + TF4002SP	12AS-1800 ; 12AS-2301 ; 16AS-2200 ; 16AS-2601 ; 12AS-1630 TD ; 12AS-1930 TD ; 12AS-2130 TD ; 12AS-2131 TD ; 12AS-2140 TD ; 12AS-2340 TD ; 12AS-2430 TD ; 12AS-2540 TD ; 12AS-1930 TO ; 12AS-2130 TO ; 12AS-2330 TO ; 12AS-2530 TO ; 12AS-2540 TO ; 12AS-2740 TO ; 12AS-2940 TO ; 16AS-2230 TD ; 16AS-2601 DD ; 16 AS-2601 OD ; 16AS-2630 TO (ratio 1:1)
TF4022AMP *	VK4022 + TF4002AMP	12AS-1800 ; 12AS-2301 ; 16AS-2200 ; 16AS-2601 ; 12AS-1630 TD ; 12AS-1930 TD ; 12AS-2130 TD ; 12AS-2131 TD ; 12AS-2140 TD ; 12AS-2340 TD ; 12AS-2430 TD ; 12AS-2540 TD ; 12AS-1930 TO ; 12AS-2130 TO ; 12AS-2330 TO ; 12AS-2530 TO ; 12AS-2540 TO ; 12AS-2740 TO ; 12AS-2940 TO ; 16AS-2230 TD ; 16AS-2601 DD ; 16 AS-2601 OD ; 16AS-2630 TO (ratio 1:1,32)
TF4023SP *	VK4023 + TF4002SP	16-AS-2200 IT ; 12-AS-1800 IT ; 12-AS-2141 IT ; 12-AS-2301 IT ; 16-AS-2601 IT (ratio 1:1)
TF4023AMP *	VK4023 + TF4002AMP	16-AS-2200 IT ; 12-AS-1800 IT ; 12-AS-2141 IT ; 12-AS-2301 IT ; 16-AS-2601 IT (ratio 1:1,32)
TF4024P *	—	S5-42/5,72
TF4026P *	—	S5-42/4,65
TF4027P *	—	S5-42/7,55
TF4028P *	—	S5-42/6,56
TF4029M *	—	5S-200; Mechanic Control
TF4029V *	—	5S-200; Vacuum Control
TF4029P *	—	5S-200; Pneumatic Control
TF4030M *	—	6S-300; 6S-350; Mechanic Control
TF4030V *	—	6S-300; 6S-350; Vacuum Control
TF4030P *	—	6S-300; 6S-350; Pneumatic Control
TF12004V *	—	M5-35; Vacuum Control
TF4032M *	—	6S-380; 6S-400 ; 2840.6 (left side assemble) ; Mechanic Control
TF4032V *	—	6S-380; 6S-400 ; 2840.6 (left side assemble) ; Vacuum Control
TF4032P *	—	6S-380; 6S-400 ; 2840.6 (left side assemble) ; Pneumatic Control
TF4033AMP *	—	S5-50 ; S5-90 ; S6-65 ; S6-66 ; S6-70 ; S6-75 ; S6-80 ; S6-90 ; 6S-800 ; 6S-1000; REINFORCED (ratio 1:1)
TF4034AMP *	—	S5-50 ; S5-90 ; S6-65 ; S6-66 ; S6-70 ; S6-75 ; S6-80 ; S6-90 ; 6S-800 ; 6S-1000; REINFORCED (ratio 1:1,73)
TF4035AMP *	—	S5-50 ; S5-90 ; S6-65 ; S6-66 ; S6-70 ; S6-75 ; S6-80 ; S6-90 ; 6S-800 ; 6S-1000; REINFORCED (ratio 1:1,56)
TF4036AMP *	—	S5-50 ; S5-90 ; S6-65 ; S6-66 ; S6-70 ; S6-75 ; S6-80 ; S6-90 ; 6S-800 ; 6S-1000; REINFORCED (ratio 1:1,35)
TF4037AMP *	—	S6-36 ; 6S-850; REINFORCED (ratio 1:1,56)
TF4038AMP *	—	S6-36 ; 6S-850; REINFORCED (ratio 1:1,35)
TF4039AMP *	—	S6-36 ; 6S-850; REINFORCED (ratio 1:1)
TF4040AMP *	—	S6-36 ; 6S-850; REINFORCED (ratio 1:1,73)

* ALSO AVAILABLE WITH ELECTRIC/MECHANIC SENSOR ON/OFF

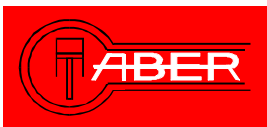


POWER TAKE OFF

ZF

PTO REF.	OBS.	GEAR BOX
TF4041AMP *	VK4001 + TF4033AMP	8-S-151; 16-S-151 ; 16-S-181 ; 16-S-221 ; 16-S-1620 ; 16-S-1820 ; 16-S-1920 ; 16-S-2220 ; 16-S-2520 ; 8S-1620 TD ; 8S-1820 TO ; 8S-220 TO ; 16S-2320 TD ; 16S-2330 TD ; 16S-2720 TO ; 16S-2730 TO (Z=14); REINFORCED (ratio 1:1)
TF4042AMP *	VK4002 + TF4033AMP	16-S-130 ; 16-S-160 ; 16-S-190 ; 16-S-220 ; 16-S-112/17,28 (trilobe); REINFORCED (ratio 1:1)
TF4043AMP *	VK4005 + TF4033AMP	16-K-130 ; 16-S-112 ; 16-S-150 (trilobe) ; REINFORCED (ratio 1:1)
TF4044AMP *	VK4006 + TF4033AMP	16-S-112 A ; 16-S-130 A ; 16-S-160 A ; 16-S-190 A ; 16-S-220 A (trilobe) ; REINFORCED (ratio 1:1)
TF4045AMP *	VK4007 + TF4033AMP	16-S-151 IT ; 16-S-181 IT ; 16-S-221 IT ; 16-S-1620 TD ; 16-S-1820 TO ; 16-S-1920 TD ; 16-S-2220 TD/TO ; 16-S-2520 TO ; 16S-1621 TD ; 16S-1921 TD ; 16S-2321 TD ; 16S-2331 TD ; (Z=14) ; REINFORCED (ratio 1:1)
TF4046AMP *	VK4008 + TF4033AMP	16-S-251 IT ; 16-S-2720 TO (Z=14) ; REINFORCED (ratio 1:1)
TF4047AMP *	VK4009 + TF4033AMP	16-S-150 IT (trilobe) ; REINFORCED (ratio 1:1)
TF4048AMP *	VK4015 + TF4033AMP	5 - 90 GP ; 5 - 92 GP ; 4 - 120 GP ; REINFORCED (ratio 1:1)
TF4049AMP *	VK4016 + TF4033AMP	5 - 110 GPA ; REINFORCED (ratio 1:1)
TF4050AMP *	VK4017 + TF4033AMP	5 - 110 GP ; 5 - 111 GP ; 4 - 150 GP ; REINFORCED (ratio 1:1)
TF4051AMP *	VK4018 + TF4033AMP	9-S-75/13,16 ; 9-S-75/9,56 ; REINFORCED (ratio 1:1)
TF4052AMP *	VK4019 + TF4033AMP	9-S-109/10,25 ; 9-S-109/10,24 ; 16-S-109/11,86 ; 16-S-109/13,53 ; REINFORCED (ratio 1:1)
TF4053AMP *	VK4020 + TF4033AMP	9-S-109/12,92 ; 16-S-109/13,04 ; 16-S-109/13,30 ; 16-S-109/13,42 ; 8-S-109 ; REINFORCED (ratio 1:1)
TF4054AMP *	VK4021 + TF4033AMP	9-S-109/12,91 ; 16-S-109/13,31 ; 16-S-109/13,41 ; 9-S-1110TO/9,48 ; 9-S-1310TO/9,48 ; 9S-1110 TO ; 9S-1310 TO ; REINFORCED (ratio 1:1)
TF4055AMP *	VK4022 + TF4033AMP	12AS-1800 ; 12AS-2301 ; 16AS-2200 ; 16AS-2601 ; 12AS-1630 TD ; 12AS-1930 TD ; 12AS-2130 TD ; 12AS-2131 TD ; 12AS-2140 TD ; 12AS-2340 TD ; 12AS-2430 TD ; 12AS-2540 TD ; 12AS-1930 TO ; 12AS-2130 TO ; 12AS-2330 TO ; 12AS-2530 TO ; 12AS-2540 TO ; 12AS-2740 TO ; 12AS-2940 TO ; 16AS-2230 TD ; 16AS-2601 DD ; 16 AS-2601 OD ; 16AS-2630 TO ; REINFORCED (ratio 1:1)
TF4056AMP *	VK4023 + TF4033AMP	16-AS-2200 IT ; 12-AS-1800 IT ; 12-AS-2141 IT ; 12-AS-2301 IT ; 16-AS-2601 IT ; REINFORCED (ratio 1:1)
TF4057AMP *	VK4001 + TF4034AMP	8-S-151; 16-S-151 ; 16-S-181 ; 16-S-221 ; 16-S-1620 ; 16-S-1820 ; 16-S-1920 ; 16-S-2220 ; 16-S-2520 ; 8S-1620 TD ; 8S-1820 TO ; 8S-220 TO ; 16S-2320 TD ; 16S-2330 TD ; 16S-2720 TO ; 16S-2730 TO (Z=14); REINFORCED (ratio 1:1,73)
TF4058AMP *	VK4002 + TF4034AMP	16-S-130 ; 16-S-160 ; 16-S-190 ; 16-S-220 ; 16-S-112/17,28 (trilobe); REINFORCED (ratio 1:1,73)
TF4059AMP *	VK4005 + TF4034AMP	16-K-130 ; 16-S-112 ; 16-S-150 (trilobe) ; REINFORCED (ratio 1:1,73)
TF4060AMP *	VK4006 + TF4034AMP	16-S-112 A ; 16-S-130 A ; 16-S-160 A ; 16-S-190 A ; 16-S-220 A (trilobe) ; REINFORCED (ratio 1:1,73)
TF4061AMP *	VK4007 + TF4034AMP	16-S-151 IT ; 16-S-181 IT ; 16-S-221 IT ; 16-S-1620 TD ; 16-S-1820 TO ; 16-S-1920 TD ; 16-S-2220 TD/TO ; 16-S-2520 TO ; 16S-1621 TD ; 16S-1921 TD ; 16S-2321 TD ; 16S-2331 TD ; (Z=14) ; REINFORCED (ratio 1:1,73)
TF4062AMP *	VK4008 + TF4034AMP	16-S-251 IT ; 16-S-2720 TO (Z=14) ; REINFORCED (ratio 1:1,73)
TF4063AMP *	VK4009 + TF4034AMP	16-S-150 IT (trilobe) ; REINFORCED (ratio 1:1,73)
TF4064AMP *	VK4015 + TF4034AMP	5 - 90 GP ; 5 - 92 GP ; 4 - 120 GP ; REINFORCED (ratio 1:1,73)
TF4065AMP *	VK4016 + TF4034AMP	5 - 110 GPA ; REINFORCED (ratio 1:1,73)
TF4066AMP *	VK4017 + TF4034AMP	5 - 110 GP ; 5 - 111 GP ; 4 - 150 GP ; REINFORCED (ratio 1:1,73)
TF4067AMP *	VK4018 + TF4034AMP	9-S-75/13,16 ; 9-S-75/9,56 ; REINFORCED (ratio 1:1,73)
TF4068AMP *	VK4019 + TF4034AMP	9-S-109/10,25 ; 9-S-109/10,24 ; 16-S-109/11,86 ; 16-S-109/13,53 ; REINFORCED (ratio 1:1,73)
TF4069AMP *	VK4020 + TF4034AMP	9-S-109/12,92 ; 16-S-109/13,04 ; 16-S-109/13,30 ; 16-S-109/13,42 ; 8-S-109 ; REINFORCED (ratio 1:1,73)
TF4070AMP *	VK4021 + TF4034AMP	9-S-109/12,91 ; 16-S-109/13,31 ; 16-S-109/13,41 ; 9-S-1110TO/9,48 ; 9-S-1310TO/9,48 ; 9S-1110 TO ; 9S-1310 TO ; REINFORCED (ratio 1:1,73)
TF4071AMP *	VK4022 + TF4034AMP	12AS-1800 ; 12AS-2301 ; 16AS-2200 ; 16AS-2601 ; 12AS-1630 TD ; 12AS-1930 TD ; 12AS-2130 TD ; 12AS-2131 TD ; 12AS-2140 TD ; 12AS-2340 TD ; 12AS-2430 TD ; 12AS-2540 TD ; 12AS-1930 TO ; 12AS-2130 TO ; 12AS-2330 TO ; 12AS-2530 TO ; 12AS-2540 TO ; 12AS-2740 TO ; 12AS-2940 TO ; 16AS-2230 TD ; 16AS-2601 DD ; 16 AS-2601 OD ; 16AS-2630 TO ; REINFORCED (ratio 1:1,73)
TF4072AMP *	VK4023 + TF4034AMP	16-AS-2200 IT ; 12-AS-1800 IT ; 12-AS-2141 IT ; 12-AS-2301 IT ; 16-AS-2601 IT ; REINFORCED (ratio 1:1,73)
TF4073AMP *	VK4001 + TF4035AMP	8-S-151; 16-S-151 ; 16-S-181 ; 16-S-221 ; 16-S-1620 ; 16-S-1820 ; 16-S-1920 ; 16-S-2220 ; 16-S-2520 ; 8S-1620 TD ; 8S-1820 TO ; 8S-220 TO ; 16S-2320 TD ; 16S-2330 TD ; 16S-2720 TO ; 16S-2730 TO ; (Z=14); REINFORCED (ratio 1:1,56)
TF4074AMP *	VK4002 + TF4035AMP	16-S-130 ; 16-S-160 ; 16-S-190 ; 16-S-220 ; 16-S-112/17,28 (trilobe); REINFORCED (ratio 1:1,56)
TF4075AMP *	VK4005 + TF4035AMP	16-K-130 ; 16-S-112 ; 16-S-150 (trilobe) ; REINFORCED (ratio 1:1,56)
TF4076AMP *	VK4006 + TF4035AMP	16-S-112 A ; 16-S-130 A ; 16-S-160 A ; 16-S-190 A ; 16-S-220 A (trilobe) ; REINFORCED (ratio 1:1,56)
TF4077AMP *	VK4007 + TF4035AMP	16-S-151 IT ; 16-S-181 IT ; 16-S-221 IT ; 16-S-1620 TD ; 16-S-1820 TO ; 16-S-1920 TD ; 16-S-2220 TD/TO ; 16-S-2520 TO ; 16S-1621 TD ; 16S-1921 TD ; 16S-2321 TD ; 16S-2331 TD ; (Z=14) ; REINFORCED (ratio 1:1,56)
TF4078AMP *	VK4008 + TF4035AMP	16-S-251 IT ; 16-S-2720 TO (Z=14) ; REINFORCED (ratio 1:1,56)
TF4079AMP *	VK4009 + TF4035AMP	16-S-150 IT (trilobe) ; REINFORCED (ratio 1:1,56)
TF4080AMP *	VK4015 + TF4035AMP	5 - 90 GP ; 5 - 92 GP ; 4 - 120 GP ; REINFORCED (ratio 1:1,56)
TF4081AMP *	VK4016 + TF4035AMP	5 - 110 GPA ; REINFORCED (ratio 1:1,56)
TF4082AMP *	VK4017 + TF4035AMP	5 - 110 GP ; 5 - 111 GP ; 4 - 150 GP ; REINFORCED (ratio 1:1,56)
TF4083AMP *	VK4018 + TF4035AMP	9-S-75/13,16 ; 9-S-75/9,56 ; REINFORCED (ratio 1:1,56)
TF4084AMP *	VK4019 + TF4035AMP	9-S-109/10,25 ; 9-S-109/10,24 ; 16-S-109/11,86 ; 16-S-109/13,53 ; REINFORCED (ratio 1:1,56)
TF4085AMP *	VK4020 + TF4035AMP	9-S-109/12,92 ; 16-S-109/13,04 ; 16-S-109/13,30 ; 16-S-109/13,42 ; 8-S-109 ; REINFORCED (ratio 1:1,56)
TF4086AMP *	VK4021 + TF4035AMP	9-S-109/12,91 ; 16-S-109/13,31 ; 16-S-109/13,41 ; 9-S-1110TO/9,48 ; 9-S-1310TO/9,48 ; 9S-1110 TO ; 9S-1310 TO ; REINFORCED (ratio 1:1,56)
TF4087AMP *	VK4022 + TF4035AMP	12AS-1800 ; 12AS-2301 ; 16AS-2200 ; 16AS-2601 ; 12AS-1630 TD ; 12AS-1930 TD ; 12AS-2130 TD ; 12AS-2131 TD ; 12AS-2140 TD ; 12AS-2340 TD ; 12AS-2430 TD ; 12AS-2540 TD ; 12AS-1930 TO ; 12AS-2130 TO ; 12AS-2330 TO ; 12AS-2530 TO ; 12AS-2540 TO ; 12AS-2740 TO ; 12AS-2940 TO ; 16AS-2230 TD ; 16AS-2601 DD ; 16 AS-2601 OD ; 16AS-2630 TO ; REINFORCED (ratio 1:1,56)
TF4088AMP *	VK4023 + TF4035AMP	16-AS-2200 IT ; 12-AS-1800 IT ; 12-AS-2141 IT ; 12-AS-2301 IT ; 16-AS-2601 IT ; REINFORCED (ratio 1:1,56)
TF4089AMP *	VK4001 + TF4036AMP	8-S-151; 16-S-151 ; 16-S-181 ; 16-S-221 ; 16-S-1620 ; 16-S-1820 ; 16-S-1920 ; 16-S-2220 ; 16-S-2520 ; 8S-1620 TD ; 8S-1820 TO ; 8S-220 TO ; 16S-2320 TD ; 16S-2330 TD ; 16S-2720 TO ; 16S-2730 TO ; (Z=14); REINFORCED (ratio 1:1,35)
TF4090AMP *	VK4002 + TF4036AMP	16-S-130 ; 16-S-160 ; 16-S-190 ; 16-S-220 ; 16-S-112/17,28 (trilobe); REINFORCED (ratio 1:1,35)
TF4091AMP *	VK4005 + TF4036AMP	16-K-130 ; 16-S-112 ; 16-S-150 (trilobe) ; REINFORCED (ratio 1:1,35)
TF4092AMP *	VK4006 + TF4036AMP	16-S-112 A ; 16-S-130 A ; 16-S-160 A ; 16-S-190 A ; 16-S-220 A (trilobe) ; REINFORCED (ratio 1:1,35)
TF4093AMP *	VK4007 + TF4036AMP	16-S-151 IT ; 16-S-181 IT ; 16-S-221 IT ; 16-S-1620 TD ; 16-S-1820 TO ; 16-S-1920 TD ; 16-S-2220 TD/TO ; 16-S-2520 TO ; 16S-1621 TD ; 16S-1921 TD ; 16S-2321 TD ; 16S-2331 TD ; (Z=14) ; REINFORCED (ratio 1:1,35)
TF4094AMP *	VK4008 + TF4036AMP	16-S-251 IT ; 16-S-2720 TO (Z=14) ; REINFORCED (ratio 1:1,35)
TF4095AMP *	VK4009 + TF4036AMP	16-S-150 IT (trilobe) ; REINFORCED (ratio 1:1,35)
TF4096AMP *	VK4015 + TF4036AMP	5 - 90 GP ; 5 - 92 GP ; 4 - 120 GP ; REINFORCED (ratio 1:1,35)
TF4097AMP *	VK4016 + TF4036AMP	5 - 110 GPA ; REINFORCED (ratio 1:1,35)
TF4098AMP *	VK4017 + TF4036AMP	5 - 110 GP ; 5 - 111 GP ; 4 - 150 GP ; REINFORCED (ratio 1:1,35)
TF4099AMP *	VK4018 + TF4036AMP	9-S-75/13,16 ; 9-S-75/9,56 ; REINFORCED (ratio 1:1,35)
TF4100AMP *	VK4019 + TF4036AMP	9-S-109/10,25 ; 9-S-109/10,24 ; 16-S-109/11,86 ; 16-S-109/13,53 ; REINFORCED (ratio 1:1,35)
TF4101AMP *	VK4020 + TF4036AMP	9-S-109/12,92 ; 16-S-109/13,04 ; 16-S-109/13,30 ; 16-S-109/13,42 ; 8-S-109 ; REINFORCED (ratio 1:1,35)
TF4102AMP *	VK4021 + TF4036AMP	9-S-109/12,91 ; 16-S-109/13,31 ; 16-S-109/13,41 ; 9-S-1110TO/9,48 ; 9-S-1310TO/9,48 ; 9S-1110 TO ; 9S-1310 TO ; REINFORCED (ratio 1:1,35)
TF4103AMP *	VK4022 + TF4036AMP	12AS-1800 ; 12AS-2301 ; 16AS-2200 ; 16AS-2601 ; 12AS-1630 TD ; 12AS-1930 TD ; 12AS-2130 TD ; 12AS-2131 TD ; 12AS-2140 TD ; 12AS-2340 TD ; 12AS-2430 TD ; 12AS-2540 TD ; 12AS-1930 TO ; 12AS-2130 TO ; 12AS-2330 TO ; 12AS-2530 TO ; 12AS-2540 TO ; 12AS-2740 TO ; 12AS-2940 TO ; 16AS-2230 TD ; 16AS-2601 DD ; 16 AS-2601 OD ; 16AS-2630 TO ; REINFORCED (ratio 1:1,35)
TF4104AMP *	VK4023 + TF4036AMP	16-AS-2200 IT ; 12-AS-1800 IT ; 12-AS-2141 IT ; 12-AS-2301 IT ; 16-AS-2601 IT ; REINFORCED (ratio 1:1,35)

* ALSO AVAILABLE WITH ELECTRIC/MECHANIC SENSOR ON/OFF



POWER TAKE OFF

VOLVO

PTO REF.	OBS.	GEAR BOX
TF5001SP *	-	R50 ; R51 ; R52 ; SR52 (ratio 1:1)
TF5001AMP *	-	R50 ; R51 ; R52 ; SR52 (ratio 1:1,32)
TF5002SP *	-	R 61 ; MR 61 ; SR 61 ; R 62 ; MR 62 ; SR 62 ; R 60 (ratio 1:1)
TF5002AMP *	-	R 61 ; MR 61 ; SR 61 ; R 62 ; MR 62 ; SR 62 ; R 60 (ratio 1:1,32)
TF5003SP *	VK5003 + TF4002SP	R 70 ; SR 70 ; SR 71 (ratio 1:1)
TF5003AMP *	VK5003 + TF4002AMP	R 70 ; SR 70 ; SR 71 (ratio 1:1,32)
TF5004SP *	VK5004 + TF4002SP	R 1000 ; SR 1000 ; R 1400 ; R 1700 ; SR 1400 ; SR 1700 ; SR 1900 ; SR 2000 ; SR 2400 ; SRO 2400 ; VT1708 ; VT2009B ; VT2014B ; VT2214 ; VT2412B ; VT2514B ; VTO2214B ; VTO2514B ; VT 2814B ; VTO2814B ; (ratio 1:1)
TF5004AMP *	VK5004 + TF4002AMP	R 1000 ; SR 1000 ; R 1400 ; R 1700 ; SR 1400 ; SR 1700 ; SR 1900 ; SR 2000 ; SR 2400 ; SRO 2400 ; VT1708 ; VT2009B ; VT2014B ; VT2214 ; VT2412B ; VT2514B ; VTO2214B ; VTO2514B ; VT 2814B ; VTO2814B ; (ratio 1:1,32)
TF5005SP *	VK5005 + TF4002SP	R 1000 IT ; SR 1000 IT ; R 1400 IT ; R 1700 IT ; SR 1400IT ; SR 1700 IT ; SR 1900 IT ; SR 2000 IT ; SR 2400 IT ; SRO 2400 IT ; VT1708 IT ; VT2009B IT ; VT2014B IT ; VT2214 IT ; VT2412B IT ; VT2514B IT ; VTO2214B IT ; VTO2514B IT ; VT2814B IT ; VTO 2814B IT ; (ratio 1:1)
TF5005AMP *	VK5005 + TF4002AMP	R 1000 IT ; SR 1000 IT ; R 1400 IT ; R 1700 IT ; SR 1400IT ; SR 1700 IT ; SR 1900 IT ; SR 2000 IT ; SR 2400 IT ; SRO 2400 IT ; VT1708 IT ; VT2009B IT ; VT2014B IT ; VT2214 IT ; VT2412B IT ; VT2514B IT ; VTO2214B IT ; VTO2514B IT ; VT2814B IT ; VTO 2814B IT ; (ratio 1:1,32)
TF5006AMP *	VK5004 + TF4033AMP	R 1000 ; SR 1000 ; R 1400 ; R 1700 ; SR 1400 ; SR 1700 ; SR 1900 ; SR 2000 ; SR 2400 ; SRO 2400 ; VT1708 ; VT1708 ; VT2009B ; VT2014B ; VT2214 ; VT2412B ; VT2514B ; VTO2214B ; VTO2514B ; REINFORCED (ratio 1:1)
TF5007AMP *	VK5005 + TF4033AMP	R 1000 IT ; SR 1000 IT ; R 1400 IT ; R 1700 IT ; SR 1400IT ; SR 1700 IT ; SR 1900 IT ; SR 2000 IT ; SR 2400 IT ; SRO 2400 IT ; VT1708 IT ; VT2009B IT ; VT2014B IT ; VT2214 IT ; VT2412B IT ; VT2514B IT ; VTO2214B IT ; VTO2514B IT ; VT2814B IT ; VTO 2814B IT ; REINFORCED (ratio 1:1)
TF5008AMP *	VK5004 + TF4034AMP	R 1000 ; SR 1000 ; R 1400 ; R 1700 ; SR 1400 ; SR 1700 ; SR 1900 ; SR 2000 ; SR 2400 ; SRO 2400 ; VT1708 ; VT2009B ; VT2014B ; VT2214 ; VT2412B ; VT2514B ; VTO2214B ; VTO2514B ; VT 2814B ; VTO2814B ; REINFORCED (ratio 1:1,73)
TF5009AMP *	VK5005 + TF4034AMP	R 1000 IT ; SR 1000 IT ; R 1400 IT ; R 1700 IT ; SR 1400IT ; SR 1700 IT ; SR 1900 IT ; SR 2000 IT ; SR 2400 IT ; SRO 2400 IT ; VT1708 IT ; VT2009B IT ; VT2014B IT ; VT2214 IT ; VT2412B IT ; VT2514B IT ; VTO2214B IT ; VTO2514B IT ; VT2814B IT ; VTO 2814B IT ; REINFORCED (ratio 1:1,73)
TF5010AMP *	VK5004 + TF4035AMP	R 1000 ; SR 1000 ; R 1400 ; R 1700 ; SR 1400 ; SR 1700 ; SR 1900 ; SR 2000 ; SR 2400 ; SRO 2400 ; VT1708 ; VT2009B ; VT2014B ; VT2214 ; VT2412B ; VT2514B ; VTO2214B ; VTO2514B ; VT 2814B ; VTO2814B ; REINFORCED (ratio 1:1,56)
TF5011AMP *	VK5005 + TF4035AMP	R 1000 IT ; SR 1000 IT ; R 1400 IT ; R 1700 IT ; SR 1400IT ; SR 1700 IT ; SR 1900 IT ; SR 2000 IT ; SR 2400 IT ; SRO 2400 IT ; VT1708 IT ; VT2009B IT ; VT2014B IT ; VT2214 IT ; VT2412B IT ; VT2514B IT ; VTO2214B IT ; VTO2514B IT ; VT2814B IT ; VTO 2814B IT ; REINFORCED (ratio 1:1,56)
TF5012AMP *	VK5004 + TF4036AMP	R 1000 ; SR 1000 ; R 1400 ; R 1700 ; SR 1400 ; SR 1700 ; SR 1900 ; SR 2000 ; SR 2400 ; SRO 2400 ; VT1708 ; VT2009B ; VT2014B ; VT2214 ; VT2412B ; VT2514B ; VTO2214B ; VTO2514B ; VT 2814B ; VTO2814B ; REINFORCED (ratio 1:1,35)
TF5013AMP *	VK5005 + TF4036AMP	R 1000 IT ; SR 1000 IT ; R 1400 IT ; R 1700 IT ; SR 1400IT ; SR 1700 IT ; SR 1900 IT ; SR 2000 IT ; SR 2400 IT ; SRO 2400 IT ; VT1708 IT ; VT2009B IT ; VT2014B IT ; VT2214 IT ; VT2412B IT ; VT2514B IT ; VTO2214B IT ; VTO2514B IT ; VT2814B IT ; VTO 2814B IT ; REINFORCED (ratio 1:1,35)
TF5014SP*	VK4018 + TF4002SP	R-800 (ratio 1:1)
TF5014AMP*	VK4018 + TF4002AMP	R-800 (ratio 1:1,32)
TF5015SP*	VK5006 + TF4002SP	AT 2412C ; AT 2412AT ; AT2512C ; AT 2514 ; AT 2515C ; AT 2812C ; ATO 2512C ; ATO 3112C ; (ratio 1:1)
TF5015AMP*	VK5006 + TF4002AMP	AT 2412C ; AT 2412AT ; AT2512C ; AT 2514 ; AT 2515C ; AT 2812C ; ATO 2512C ; ATO 3112C ; (ratio 1:1,32)
TF5016AMP*	VK5006 + TF4033AMP	AT 2412C ; AT 2412AT ; AT2512C ; AT 2514 ; AT 2515C ; AT 2812C ; ATO 2512C ; ATO 3112C ; REINFORCED (ratio 1:1)
TF5017AMP*	VK5006 + TF4034AMP	AT 2412C ; AT 2412AT ; AT2512C ; AT 2514 ; AT 2515C ; AT 2812C ; ATO 2512C ; ATO 3112C ; REINFORCED (ratio 1:1,73)
TF5018AMP*	VK5006 + TF4035AMP	AT 2412C ; AT 2412AT ; AT2512C ; AT 2514 ; AT 2515C ; AT 2812C ; ATO 2512C ; ATO 3112C ; REINFORCED (ratio 1:1,56)
TF5019AMP*	VK5006 + TF4036AMP	AT 2412C ; AT 2412AT ; AT2512C ; AT 2514 ; AT 2515C ; AT 2812C ; ATO 2512C ; ATO 3112C ; REINFORCED (ratio 1:1,35)

* ALSO AVAILABLE WITH ELECTRIC/MECHANIC SENSOR ON/OFF



POWER TAKE OFF

EATON; MERCEDES

EATON

REF.	OBS.	GEAR BOX
TF7001SP *	-	FS 4106 ; FSO 4106 ; FS 5206 ; FSO 5206 ; FS 6106 (ratio 1:1)
TF7001AMP *	-	FS 4106 ; FSO 4106 ; FS 5206 ; FSO 5206 ; FS 6106 (ratio 1:1,32)
TF7002SP *	VK7002 + TF4002SP	FS 5109 ; FSO 5109 ; FS 6109 ; FSO 6109 ; FS 8209 ; FSO 8209 ; FS 8309 ; FSO 8309 (ratio 1:1)
TF7002AMP *	VK7002 + TF4002AMP	FS 5109 ; FSO 5109 ; FS 6109 ; FSO 6109 ; FS 8209 ; FSO 8209 ; FS 8309 ; FSO 8309 (ratio 1:1,32)
TF7003SP *	-	RTS 12316 ; RTS 14316 ; RTS 17316 ; RTSO 12316A ; RTSO 14316A ; RTSO 17316A (ratio 1:1)
TF7003AMP *	-	RTS 12316 ; RTS 14316 ; RTS 17316 ; RTSO 12316A ; RTSO 14316A ; RTSO 17316A (ratio 1:1,32)
TF7004SP *	-	RTS 12316 ; RTS 14316 ; RTS 17316 ; RTSO 12316A ; RTSO 14316A ; RTSO 17316A ^{IT} (ratio 1:1)
TF7004AMP *	-	RTS 12316 ; RTS 14316 ; RTS 17316 ; RTSO 12316A ; RTSO 14316A ; RTSO 17316A ^{IT} (ratio 1:1,32)
TF7007P *	-	SERIES FULLER RT; RTO; RTOO; R T.F.; Bottom; 8 Bolts
TF7008M *	-	6109DT/OD; 8209; 8309; Lateral; Mechanic Control
TF7008V *	-	6109DT/OD; 8209; 8309; Lateral; Vacuum Control
TF7008P *	-	6109DT/OD; 8209; 8309; Lateral; Pneumatic Control
TF7009AMP *	VK7002 + TF4033AMP	FS 5109 ; FSO 5109 ; FS 6109 ; FSO 6109 ; FS 8209 ; FSO 8209 ; FS 8309 ; FSO 8309 ; REINFORCED (ratio 1:1)
TF7010AMP *	VK7002 + TF4034AMP	FS 5109 ; FSO 5109 ; FS 6109 ; FSO 6109 ; FS 8209 ; FSO 8209 ; FS 8309 ; FSO 8309 ; REINFORCED (ratio 1:1,73)
TF7011AMP *	VK7002 + TF4035AMP	FS 5109 ; FSO 5109 ; FS 6109 ; FSO 6109 ; FS 8209 ; FSO 8209 ; FS 8309 ; FSO 8309 ; REINFORCED (ratio 1:1,56)
TF7012AMP *	VK7002 + TF4036AMP	FS 5109 ; FSO 5109 ; FS 6109 ; FSO 6109 ; FS 8209 ; FSO 8209 ; FS 8309 ; FSO 8309 ; REINFORCED (ratio 1:1,35)

MERCEDES

REF.	OBS.	GEAR BOX
TF8001SP *	-	G3/36 ; G3/40 ; G3/45 ; G3/50 ; G3/55 ; G3/60 ; G3/61 (ratio 1:1)
TF8001AMP *	-	G3/36 ; G3/40 ; G3/45 ; G3/50 ; G3/55 ; G3/60 ; G3/61 (ratio 1:1,32)
TF8005SP *	VK8005 + TF4002SP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990) (ratio 1:1)
TF8005AMP *	VK8005 + TF4002AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990) (ratio 1:1,32)
TF8009SP *	-	G-60 ; G-85 (ratio 1:1)
TF8009AMP *	-	G-60 ; G-85 (ratio 1:1,32)
TF8010SP *	VK8010 + TF4002SP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990) ^{IT} (ratio 1:1)
TF8010AMP *	VK8010 + TF4002AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990) ^{IT} (ratio 1:1,32)
TF8012AMP *	-	G56-6 / 6,29-0,78 (ratio 1:1,32)
TF8013AMP *	VK8005 + TF4033AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990); REINFORCED; (ratio 1:1)
TF8014AMP *	VK8005 + TF4034AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990); REINFORCED; (ratio 1:1,73)
TF8015AMP *	VK8005 + TF4035AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990); REINFORCED (ratio 1:1,56)
TF8016AMP *	VK8005 + TF4036AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990); REINFORCED; (ratio 1:1,35)
TF8017AMP *	VK8010 + TF4033AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990); ^{IT} ; REINFORCED; (ratio 1:1)
TF8018AMP *	VK8010 + TF4034AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990); ^{IT} ; REINFORCED; (ratio 1:1,73)
TF8019AMP *	VK8010 + TF4035AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990); ^{IT} ; REINFORCED; (ratio 1:1,56)
TF8020AMP *	VK8010 + TF4036AMP	G210; G211; G221; G240; G248; G260; G131-9; G241-16; (G125; G155; G180; G200 Current flange produced after 1990); ^{IT} ; REINFORCED; (ratio 1:1,35)

* ALSO AVAILABLE WITH ELECTRIC/MECHANIC SENSOR ON/OFF



POWER TAKE OFF

RENAULT ; SCANIA ; MAN/VW ; NISSAN ; ISUZU

RENAULT

PTO REF.	OBS.	GEAR BOX
TF14003P *	-	B9; B18; Pneumatic Control

SCANIA

PTO REF.	OBS.	GEAR BOX
TF10005P *	-	GR 801
TF10007P *	-	GRS 890 ; GRS 900 ; GRS 920 ; GRS-900R ; GRSH-900
TF10009P *	-	GR-900 ; GR 900R ; GRH-900

MAN / VW

PTO REF.	OBS.	GEAR BOX
TF6001SP *	-	007.1 (ratio 1:1)
TF6001AMP	-	007.1 (ratio 1:1,32)

NISSAN

PTO REF.	OBS.	GEAR BOX
TF12001V *	-	M5-25 E,F; Vacuum Control
TF12002V *	-	M5-25 A; Vacuum Control
TF12003V *	-	M5-25 D; Vacuum Control
TF12004V *	-	M5-35; Vacuum Control

ISUZU

PTO REF.	OBS.	GEAR BOX
TF3003M *	-	MSA 5G; MSA 5P; Mechanic Control
TF3003V *	-	MSA 5G; MSA 5P; Vacuum Control
TF3003P *	-	MSA 5G; MSA 5P; Pneumatic Control
TF3004M *	-	MSA 5D; MSA 5S; MXA 5R; MXA 6R; MXA 6S; Mechanic Control
TF3004V *	-	MSA 5D; MSA 5S; MXA 5R; MXA 6R; MXA 6S; Vacuum Control
TF3004P *	-	MSA 5D; MSA 5S; MXA 5R; MXA 6R; MXA 6S; Pneumatic Control
TF3005M *	-	MBP 6Q; Mechanic Control
TF3005V *	-	MBP 6Q; Vacuum Control
TF3005P *	-	MBP 6Q; Pneumatic Control
TF3006M *	-	MSB 5R; Mechanic Control
TF3006V *	-	MSB 5R; Vacuum Control
TF3006P *	-	MSB 5R; Pneumatic Control
TF3008M *	-	MYY - 5T; MY - 6S ; Mechanic Control
TF3008V *	-	MYY - 5T; MY - 6S ; Vacuum Control
TF3008P *	-	MYY - 5T; MY - 6S ; Pneumatic Control
TF3009M *	-	MZZ-6U ; Mechanic Control
TF3009V *	-	MZZ-6U; Vacuum Control
TF3009P *	-	MZZ-6U ; Pneumatic Control
TF3010M *	-	MZZ-6F ; Mechanic Control
TF3010V *	-	MZZ-6F ; Vacuum Control
TF3010P *	-	MZZ-6F ; Pneumatic Control

* ALSO AVAILABLE WITH ELECTRIC/MECHANIC SENSOR ON/OFF



POWER TAKE OFF

IVECO ; MITSUBISHI (Canter) ; TOYOTA

IVECO

PTO REF.	OBS.	GEAR BOX
TF11001P *	-	2845,6; 2855,6
TF11002P *	-	2865,6
TF11003P *	-	2870,9
TF11004P *	-	2895,9 (after 11/02/1998)
TF11005P *	-	2845,5 ; 2855,5
TF11006P *	-	2895,9 (before 11/02/1998)
TF4032M *	-	6S-380; 6S-400 ; 2840.6 (left side assemble) ; Mechanic Control
TF4032V *	-	6S-380; 6S-400 ; 2840.6 (left side assemble) ; Vacuum Control
TF4032P *	-	6S-380; 6S-400 ; 2840.6 (left side assemble) ; Pneumatic Control

MITSUBISHI (Canter)

PTO REF.	OBS.	GEAR BOX
TF2001AM *	-	M2-S5; M3-S5; Mechanic Control
TF2001AV *	-	M2-S5; M3-S5; Vacuum Control
TF2001AP *	-	M2-S5; M3-S5; Pneumatic Control
TF2002AM *	-	M015S5; Mechanic Control
TF2002AV *	-	M015S5; Vacuum Control
TF2002AP *	-	M015S5; Pneumatic Control
TF2003AM *	-	M035S5; M035S6; Mechanic Control
TF2003AV *	-	M035S5; M035S6; Vacuum Control
TF2003AP *	-	M035S5; M035S6; Pneumatic Control
TF2004AM *	-	M025S5; Mechanic Control
TF2004AV *	-	M025S5; Vacuum Control
TF2004AP *	-	M025S5; Pneumatic Control
TF2005AM *	-	M040S5; Mechanic Control
TF2005AV *	-	M040S5; Vacuum Control
TF2005AP *	-	M040S5; Pneumatic Control
TF2006AM *	-	M027S5; Mechanic Control
TF2006AV *	-	M027S5; Vacuum Control
TF2006AP *	-	M027S5; Pneumatic Control
TF2007AM *	-	M036S5; M036S6; Mechanic Control
TF2007AV *	-	M036S5; M036S6; Vacuum Control
TF2007AP *	-	M036S5; M036S6; Pneumatic Control

TOYOTA

PTO REF.	OBS.	GEAR BOX
TF1001M *	-	M150;M153; M155; Mechanic Control
TF1001V *	-	M150;M153; M155; Vacuum Control
TF1001P *	-	M150;M153; M155; Pneumatic Control
TF1006M *	-	H260; Mechanic Control
TF1006V *	-	H260; Vacuum Control
TF1006P *	-	H260; Pneumatic Control

* ALSO AVAILABLE WITH ELECTRIC/MECHANIC SENSOR ON/OFF



POWER TAKE OFF ZF ; VOLVO ; EATON ; MERCEDES UNI SERIES



ZF		
PTO REF.	OBS.	GEAR BOX
TF4002UNI*	—	S5-50 ; S5-90 ; S6-65 ; S6-66 ; S6-70 ; S6-75 ; S6-80 ; S6-90; UNI; (ratio 1:1,32)
TF4003UNI*	VK4002 + TF4002UNI	16-S-130 ; 16-S-160 ; 16-S-190 ; 16-S-220 ; 16-S-112/17,28 (trilobe); UNI; (ratio 1:1,32)
TF4004UNI*	VK4001 + TF4002UNI	8-S-151; 16-S-151 ; 16-S-181 ; 16-S-221 ; 16-S-1620 ; 16-S-1820 ; 16-S-1920 ; 16-S-2220 ; 16-S-2520 ; 8S-1620 TD ; 8S-1820 TO ; 8S-220 TO ; 16S-2320 TD ; 16S-2330 TD ; 16S-2720 TO ; 16S-2730 TO (Z=14); UNI; (ratio 1:1,32)
TF4005UNI*	VK4005 + TF4002UNI	16-K-130 ; 16-S-112 ; 16-S-150 (trilobe); UNI; (ratio 1:1,32)
TF4006UNI*	VK4006 + TF4002UNI	16-S-112 A ; 16-S-130 A ; 16-S-160 A ; 16-S-190 A ; 16-S-220 A (trilobe); UNI; (ratio 1:1,32)
TF4011UNI*	VK4007 + TF4002UNI	16-S-151 IT; 16-S-181 IT; 16-S-221 IT ; 16-S-1620 TD ; 16-S-1820 TO ; 16-S-1920 TD ; 16-S-2220 TD/TO ; 16-S-2520 TO ; 16S-1621 TD ; 16S-1921 TD ; 16S-2321 TD ; 16S-2331 TD ; (Z=14); UNI; (ratio 1:1,32)
TF4012UNI*	VK4008 + TF4002UNI	16-S-251 IT ; 16-S-2720 TO (Z=14); UNI; (ratio 1:1,32)
TF4013UNI*	VK4009 + TF4002UNI	16-S-150 IT (trilobe); UNI; (ratio 1:1,32)
TF4015UNI*	VK4015 + TF4002UNI	5 - 90 GP ; 5 - 92 GP ; 4 - 120 GP; UNI; (ratio 1:1,32)
TF4016UNI*	VK4016 + TF4002UNI	5 - 110 GPA; UNI; (ratio 1:1,32)
TF4017UNI*	VK4017 + TF4002UNI	5 - 110 GP ; 5 - 111 GP ; 4 - 150 GP; UNI; (ratio 1:1,32)
TF4018UNI*	VK4018 + TF4002UNI	9-S-75/13,16 ; 9-S-75/9,56; UNI; (ratio 1:1,32)
TF4019UNI*	VK4019 + TF4002UNI	9-S-109/10,25 ; 9-S-109/10,24; 16-S-109/11,86 ; 16-S-109/13,53 ; UNI; (ratio 1:1,32)
TF4020UNI*	VK4020 + TF4002UNI	9-S-109/12,92 ; 16-S-109/13,04; 16-S-109/13,30 ; 16-S-109/13,42 ; 8-S-109; UNI; (ratio 1:1,32)
TF4021UNI*	VK4021 + TF4002UNI	9-S-109/12,91 ; 16-S-109/13,31; 16-S-109/13,41; 9-S-1110TO/9,48 ; 9-S-1310TO/9,48 ; 9S-1110 TO ; 9S-1310 TO ; UNI; (ratio 1:1,32)
TF4022UNI*	VK4022 + TF4002UNI	12AS-1800; 12AS-2301 ; 16AS-2200 ; 16AS-2601 ; 12AS-1630 TD ; 12AS-1930 TD ; 12AS-2130 TD ; 12AS-2131 TD ; 12AS-2140 TD ;
		12AS-2340 TD ; 12AS-2430 TD ; 12AS-2540 TD ; 12AS-1930 TO ; 12AS-2130 TO ; 12AS-2330 TO ; 12AS-2530 TO ; 12AS-2540 TO ;
		12AS-2740 TO ; 12AS-2940 TO ; 16AS-2230 TD ; 16AS-2601 DD ; 16 AS-2601 OD ; 16AS-2630 TO ; UNI; (ratio 1:1,32)
TF4023UNI*	VK4023 + TF4002UNI	16-AS-2200 IT ; 12-AS-1800 IT ; 12-AS-2141 IT ; 12-AS-2301 IT ; 16-AS-2601 IT; UNI; (ratio 1:1,32)

VOLVO		
PTO REF.	OBS.	GEAR BOX
TF5003UNI*	VK5003 + TF4002UNI	R 70 ; SR 70 ; SR 71 ; UNI; (ratio 1:1,32)
TF5004UNI*	VK5004 + TF4002UNI	R 1000 ; SR 1000 ; R 1400 ; R 1700 ; SR 1400 ; SR 1700 ; SR 1900 ; SR 2000 ; SR 2400 ; SRO 2400 ; VT1708 ; VT2009B ; VT2014B ; VT2214 ; VT2412B ; VT2514B ; VTO2214B ; VTO2514B; VT2814B ; VTO2814B ; UNI; (ratio 1:1,32)
TF5005UNI*	VK5005 + TF4002UNI	R 1000 IT ; SR 1000 IT ; R 1400 IT ; R 1700 IT ; SR 1400IT ; SR 1700 IT ; SR 1900 IT ; SR 2000 IT ; SR 2400 IT ; SRO 2400 IT ; VT1708 IT ; VT2009B IT ; VT2014B IT ; VT2214 IT ; VT2412B IT ; VT2514B IT ; VTO2214B IT ; VTO2514B IT ; VT 2814B IT ; VTO 2814B IT ; UNI; (ratio 1:1,32)
TF5014UNI*	VK4018+TF4002UNI	R - 800 UNI (ratio 1:1,32)
TF5015UNI*	VK5006+TF4002UNI	AT 2412C ; AT 2412AT ; AT 2512C ; AT 2514 ; AT 2515C ; AT 2812C ; ATO 2512C ; ATO 3112C ; UNI (ratio 1:1,32)

EATON		
REF.	OBS.	GEAR BOX
TF7002UNI*	VK7002 + TF4002UNI	FS 5109 ; FSO 5109 ; FS 6109 ; FSO 6109 ; FS 8209 ; FSO 8209 ; FS 8309 ; FSO 8309; UNI; (ratio 1:1,32)

MERCEDES		
REF.	OBS.	GEAR BOX
TF8005UNI*	VK8005 + TF4002UNI	G210; G211; G221; G240; G248; G260; G131-9; G241-16 (G125; G155; G180; G200 Current flange produced after 1990) ; UNI; (ratio 1:1,32)
TF8010UNI*	VK8010 + TF4002UNI	G210 IT; G211 IT; G221 IT; G240 IT; G248 IT; G260 IT; G131-9 IT; G241-16 IT (G125; G155; G180; G200 Current flange produced after 1990) ; UNI; (ratio 1:1,32)

* ALSO AVAILABLE WITH ELECTRIC/MECHANIC SENSOR ON/OFF

ATTENTION: Besides these, all the PTO's can be converted from SE to UNI by using ADA4F3F or ADA4F3FC adapters. See page 7/24.

SENSORS		
TO ORDER WITH SENSOR YOU MUST ADD "S" TO THE PTO REF. EX: TF4001SPS		
TO ORDER WITH DIN 72585-1 SENSOR YOU MUST ADD "C" TO THE PTO REF. EX: TF4001SPC		
CABLE CONNECTOR FOR DIN 72585 SENSOR(REF. CCSEN08)		



ADAPTER KITS TO POWER TAKE OFF

ZF Adapter Kits

REF.	Description
VK4001	Adapter Kits 8-S-151; 16-S-151 ; 16-S-181 ; 16-S-221 ; 16-S-1620 ; 16-S-1820 ; 16-S-1920 ; 16-S-2220 ; 16-S-2520 ; 8S-1620 TD ; 8S-1820 TO ; 8S-220 TO ; 16S-2320 TD; 16S-2330TD ; 16S-2720 TO ; 16S-2730 TO (Z=14)
VK4002	Adapter Kits 16-S-130 ; 16-S-160 ; 16-S-190 ; 16-S-220 ; 16-S-112/17,28 ; 8-S-151; 16-S-151 ; 16-S-181 ; 16-S-221 (trilobe)
VK4005	Adapter Kits 16-K-130 ; 16-S-112 ; 16-S-150 (trilobe)
VK4006	Adapter Kits 16-S-112 A ; 16-S-130 A ; 16-S-160 A ; 16-S-190 A ; 16-S-220 A (trilobe)
VK4007	Adapter Kits 16-S-151 IT ; 16-S-181 IT ; 16-S-221 IT ; 16-S-1620 TD ; 16-S-1820 TO ; 16-S-1920 TD ; 16-S-2220 TD/TO ; 16-S-2520 TO ; 16S-1621 TD; 16S-1921 TD ; 16S-2321 TD ; 16S-2331 TD ; (Z=14)
VK4008	Adapter Kits 16-S-251 IT ; 16-S-2720 TO (Z=14)
VK4009	Adapter Kits 16-S-150 IT (trilobe)
VK4015	Adapter Kits 5 - 90 GP ; 5 - 92 GP ; 4 - 120 GP
VK4016	Adapter Kits 5 - 110 GPA
VK4017	Adapter Kits 5 - 110 GP ; 5 - 111 GP ; 4 - 150 GP
VK4018	Adapter Kits 9-S-75/13,16 ; 9-S-75/9,56
VK4019	Adapter Kits 9-S-109/10,25 ; 9-S-109/10,24; 16-S-109/11,86 ; 16-S-109/13,53
VK4020	Adapter Kits 9-S-109/12,92 ; 16-S-109/13,04; 16-S-109/13,30 ; 16-S-109/13,42 ; 8-S-109
VK4021	Adapter Kits 9-S-109/12,91 ; 16-S-109/13,31; 16-S-109/13,41; 9-S-1110TO/9,48 ; 9-S-1310TO/9,48 ; 9S-1110 TO ; 9S-1310 TO
VK4022	Adapter Kits 12-AS-1800; 12-AS-2301 ; 16-AS-2200 ; 16-AS-2601 ; 12AS-1630 TD; 12AS-1930 TD ; 12AS-2130 TD ; 12AS-2131 TD ; 12AS-2140 TD ; 12AS-2340 TD ; 12AS-2430 TD ; 12AS-2540 TD ; 12AS-1930 TO ; 12AS-2130 TO ; 12AS-2330 TO ; 12AS-2530 TO ; 12AS-2540 TO ; 12AS-2740 TO ; 12AS-2940 TO ; 16AS-2230 TD ; 16AS-2601 DD ; 16AS-2601 OD ; 16AS-2630 TO
VK4023	Adapter Kits 16-AS-2200 IT ; 12-AS-1800 IT ; 12-AS-2141 IT ; 12-AS-2301 IT ; 16-AS-2601 IT

VOLVO Adapter Kits

REF.	Description
VK5003	Adapter Kits R 70 ; SR 70 ; SR 71
VK5004	Adapter Kits R 1000 ; SR 1000 ; R 1400 ; R 1700 ; SR 1400 ; SR 1700 ; SR 1900 ; SR 2000 ; SR 2400 ; SRO 2400 ; VT1708 ; VT2009B ; VT2014B ; VT2214 ; VT2412B ; VT2514B ; VTO2214B ; VTO2514B ; VT 2814B ; VTO2814B
VK5005	Adapter Kits R 1000 IT ; SR 1000 IT ; R 1400 IT ; R 1700 IT ; SR 1400 IT ; SR 1700 IT ; SR 1900 IT ; SR 2000 IT ; SR 2400 IT ; SRO 2400 IT VT1708 IT ; VT2009B IT ; VT2014B IT ; VT2214 IT ; VT2412B IT ; VT2514B IT ; VTO2214B IT ; VTO2514B IT ; VT 2814B ; VTO 2814B
VK5006	AT 2412C ; AT 2412AT ; AT 2512C ; AT 2514 ; AT 2515C ; AT 2812C ; ATO 2512C; ATO 3112C
VK4018	Adapter Kit R - 800

EATON Adapter Kits

REF.	Description
VK7002	Adapter Kits FS 5109 ; FSO 5109 ; FS 6109 ; FSO 6109 ; FS 8209 ; FSO 8209

MERCEDES Adapter Kits

REF.	Description
VK8005	Adapter Kits G210; G211; G221; G240; G248; G260; G131-9; G241-16 (G125; G155; G180; G200 Current flange produced after 1990)
VK8010	Adapter Kits G210; G211; G221; G240; G248; G260; G131-9; G241-16 (G125; G155; G180; G200 Current flange produced after 1990)

IVECO Adapter Kits

REF.	Description
VK11003	Adapter Kits 2870,9
VK11004	Adapter Kits 2895,9 (after 11/02/1998)

NOTE: To order an adapter KIT to apply with PTO (ratio 1:1), add a "S" to the code
To order an adapter KIT to apply with PTO (ratio 1:1,32), add an "AM" to the code
To order an adapter KIT to apply with a REINFORCED PTO add an "R" to the code

EX: KIT VK4001 → VK4001S

EX: KIT VK4001 → VK4001AM

EX: KIT VK4001 → VK4001R