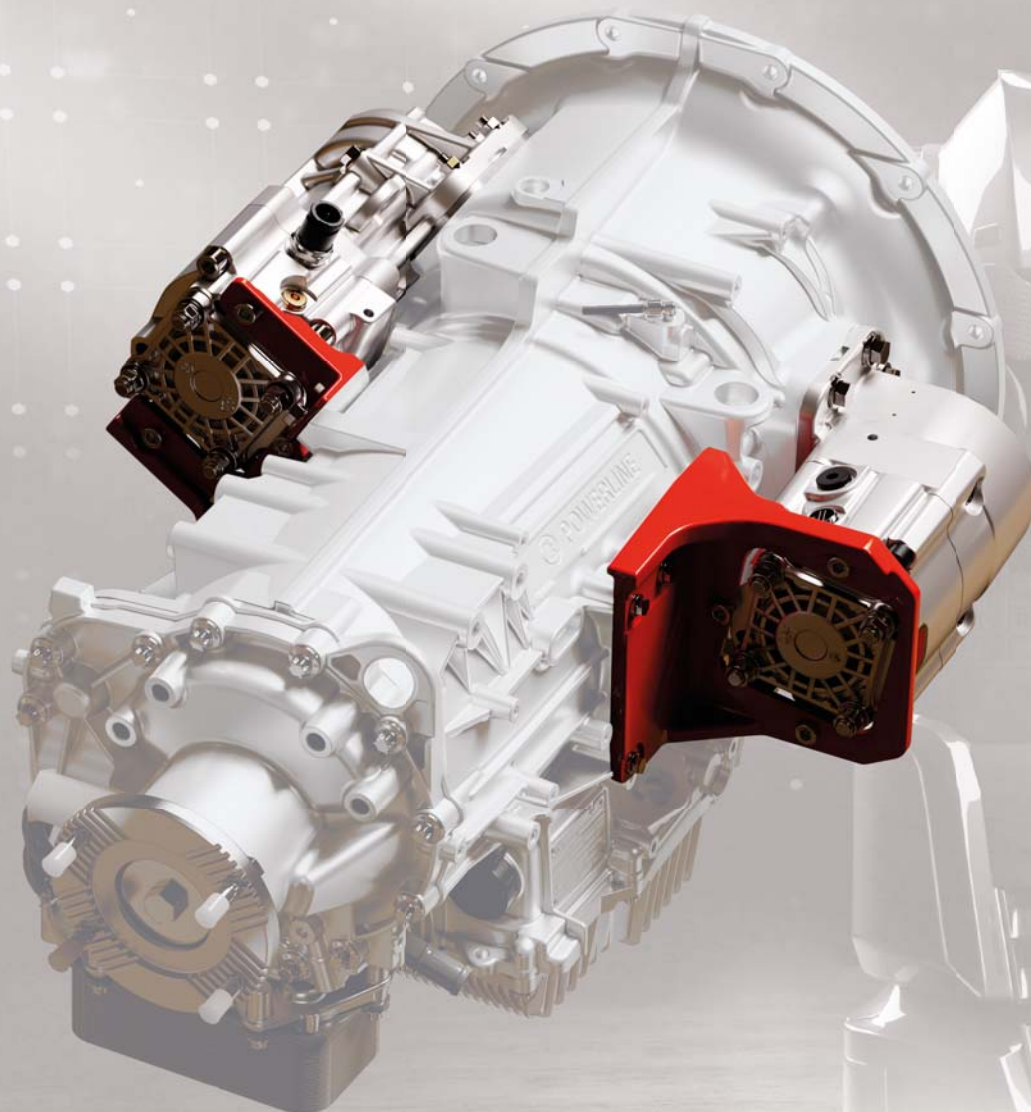


PTOs for ZF-PowerLine 8 AP Series

**FLEXIBLE POWERFUL
RELIABLE PTOs**



Tested in cooperation with 

ENG

 **INTERPUMP
HYDRAULICS**
ENGINEERED TO PERFORM

PRODUCT CONCEPT

Interpump Hydraulics, part of Interpump Group since 1997, is a global company working through owned operations, subsidiaries and a worldwide distribution network.

We are the world leader in the development, production and distribution of power take-offs (PTOs) and one of the main players in pumps, cylinders and other hydraulic components for Truck applications.

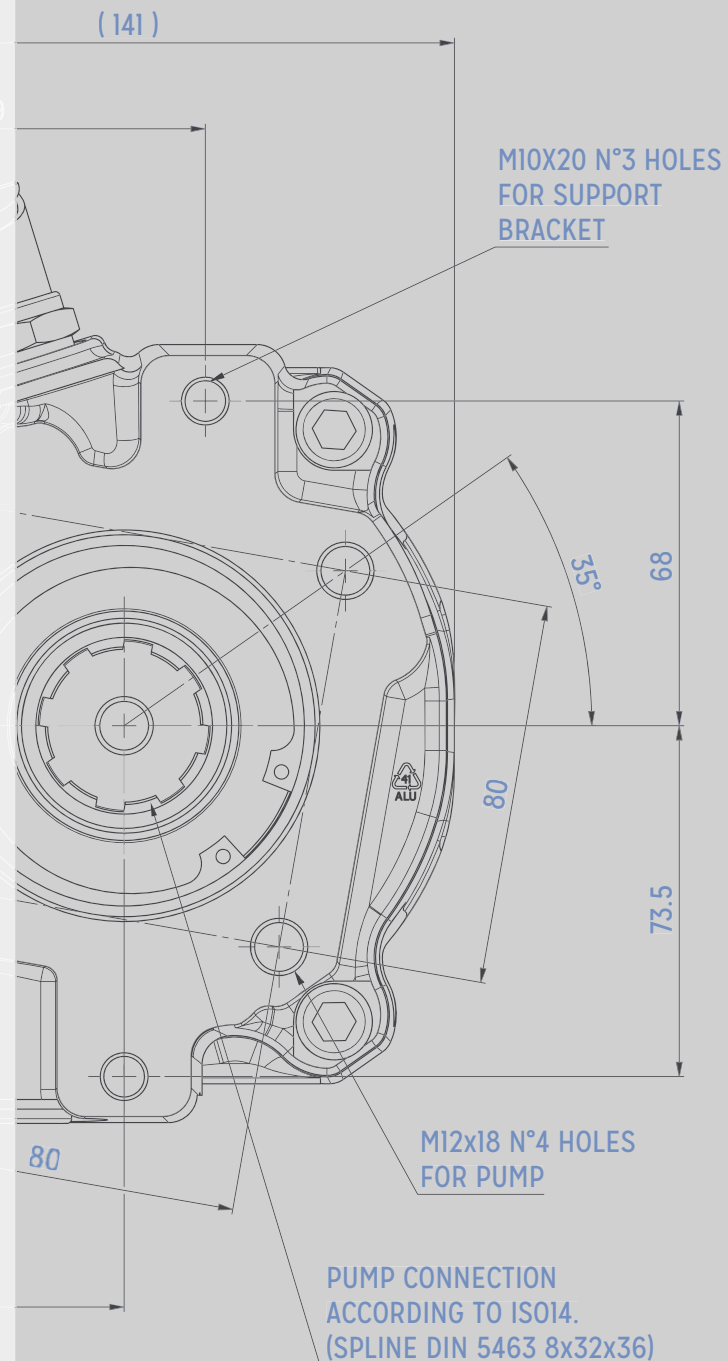
Interpump Hydraulics manufactures a wide range of PTOs, rear and side mounted PTOs, split shaft PTOs and Engine Flywheel PTOs.

We have been collaborating for the last 30 years with OEMs (Original Equipment Manufacturers) such as **ZF**: the constant raising of “standards” has always been a stimulus for the improvement of our products.

We have worked together with **ZF** for the development of our range of PTOs which perfectly fit to **ZF**-Powerline gearboxes.

By exploiting transmission performance our PTOs achieve maximized power and torque: our PTOs are flexible, reliable and suited for multiple configurations.

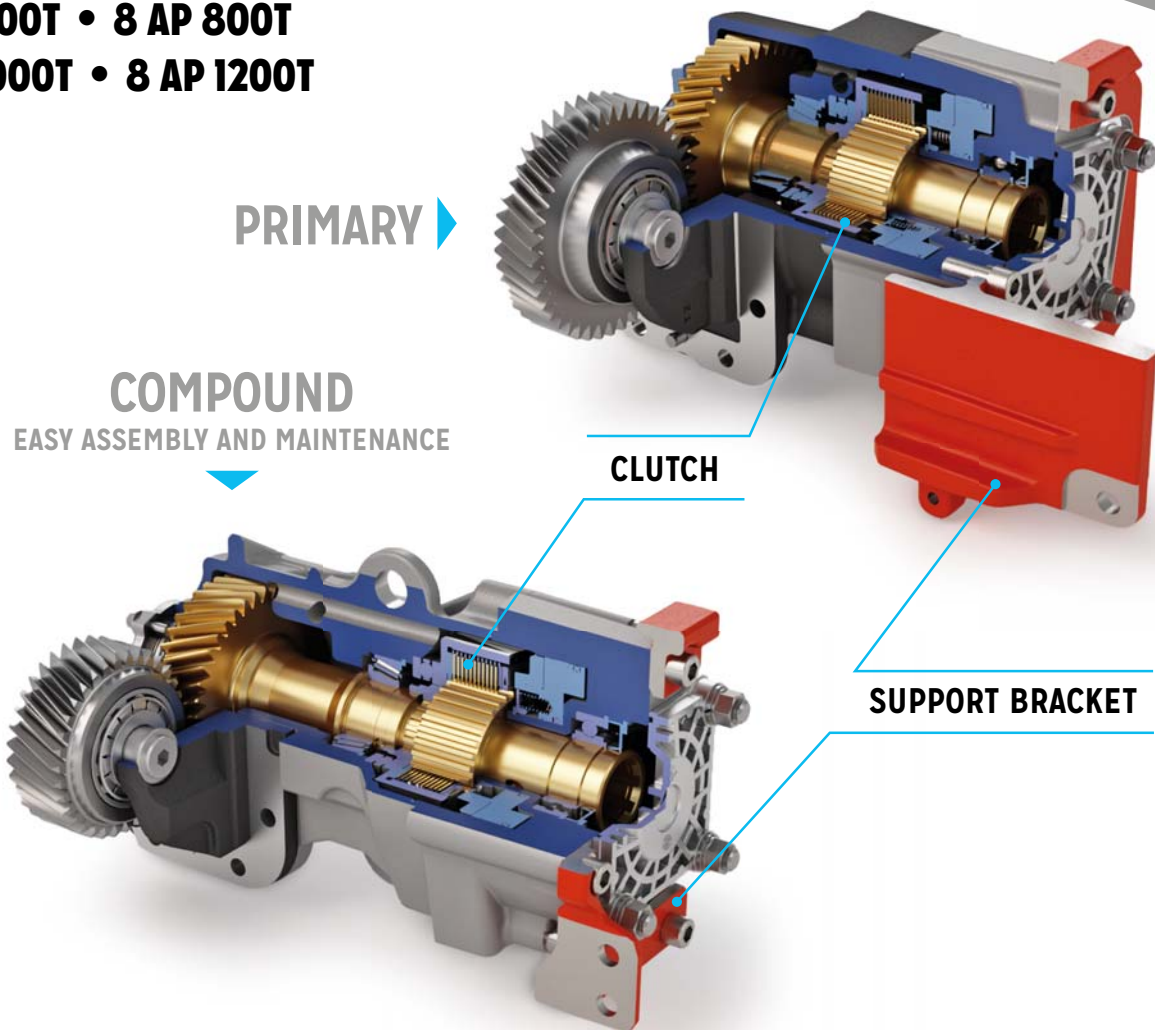
The advantages of IPH PTOs are maximized when paired with one of our Pumps options.



PTOS FOR POWERLINE GEARBOXES

8 AP 600T • 8 AP 800T
8 AP 1000T • 8 AP 1200T

MULTIPLE
CONFIGURATIONS



TESTED AND VALIDATED IN COOPERATION WITH 

BENEFITS

- **Compact design** to better fit chassis constraints.
- For PRIMARY Version: torque capacity up to 570 Nm (102 kW)
- For COMPOUND Version: torque capacity up to 535 Nm (102 kW) **up to 150 kW**, according to **ZF** acceptance.
- **Eight models** available.
- **Support bracket** (tested by **ZF**).
- **Clutch output**.

PTOs for all
truck applications



PRIMARY Clutch shift PTOs

AIR activated
(6.5 – 10 bar)



Features:

RANGE	PTO	M.SIDE	RATIO	NORMAL USE			MAX PERFORMANCE		
				Nm	kW	rpm	Nm	Max kW	Max rpm
LIGHT DUTY	60ZI	LHS/RHS	1.214	350	55	1500	210	55	2500
MEDIUM DUTY	62Z2	LHS/RHS	0.920	450	71	1500	390	90	2210(*)
HEAVY DUTY	58ZI	LHS/RHS	1.214	570	90	1500	390	102	2500

(*) According to max engine speed of 2400 rpm

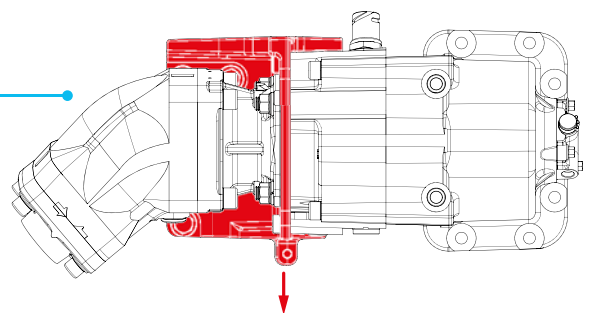
Max torque on the gearbox with 1 PTO = 700 Nm

Max torque on the gearbox with 2 PTOs = 1000 Nm total

Max bending moment allowed at PTO output:

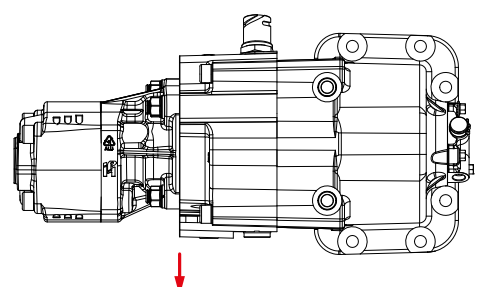
Primary PTOs with bracket 45 Nm

(the example shows the coupling with our FOX pump)



Primary PTOs without bracket. 10 Nm

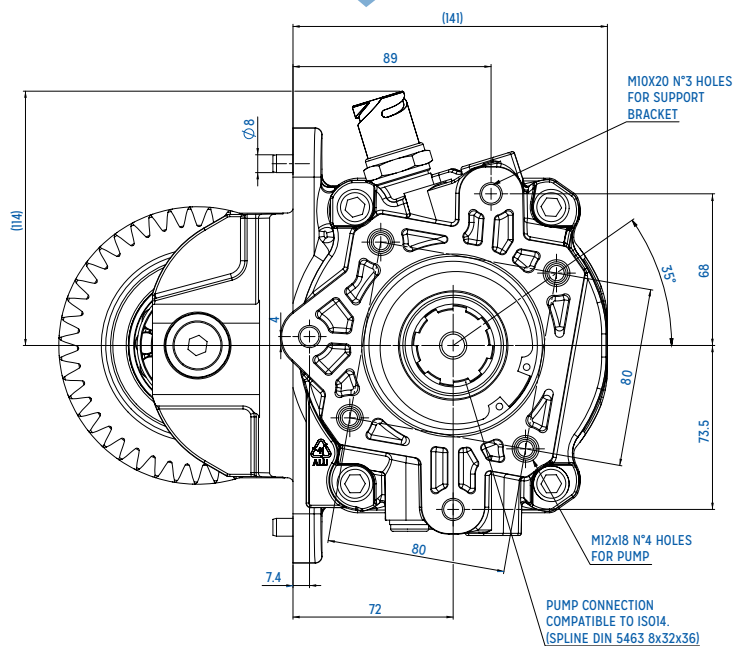
(the example shows the coupling with our HPS pump)



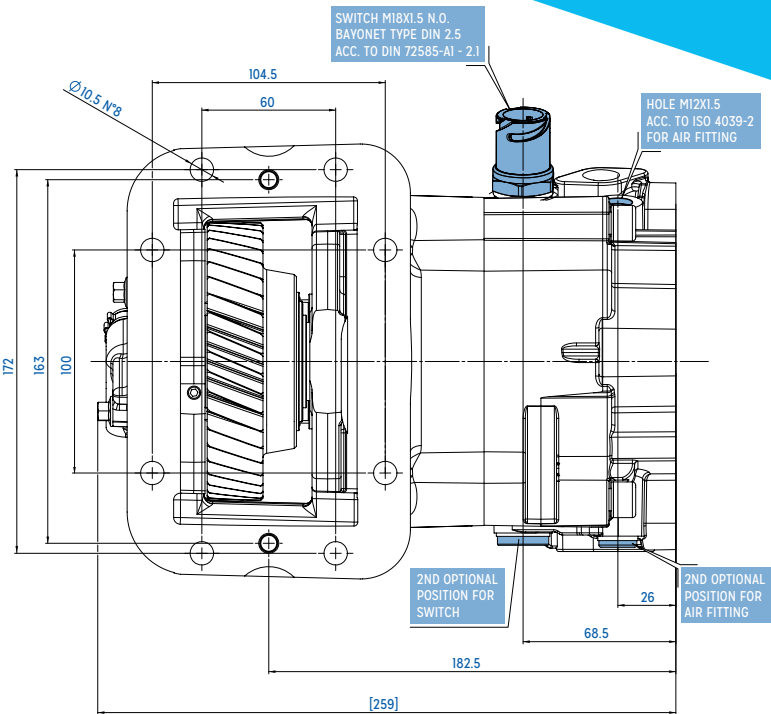
PRIMARY Clutch shift PTOs

AIR activated (6.5 – 10 bar)

The air inlet and engagement switch can be positioned both above or below or combined as you need.



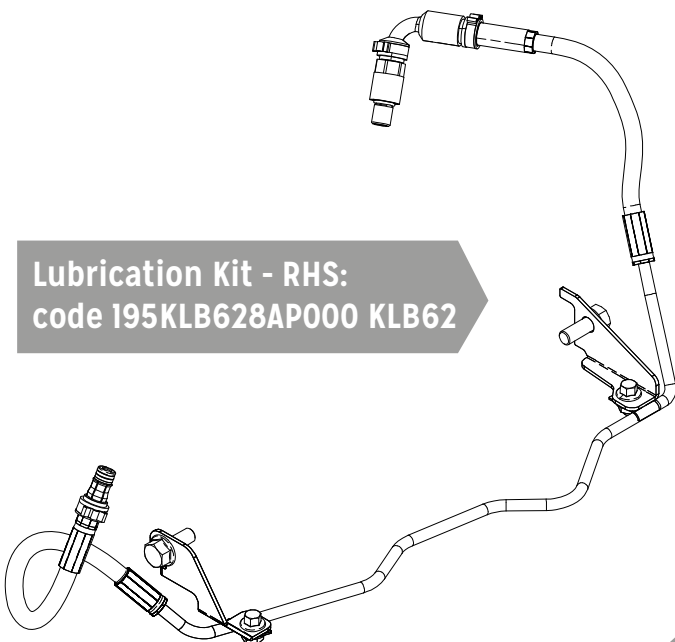
This drawing refers to PTO 58Z1



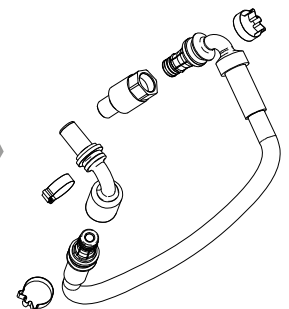
Flange Options:

CODE	DESCRIPTION
197KFL75000000	DIN 00 SE/R
197KFL76000000	DIN 10 SE/R
197KFL77000000	SPICER 1120 SE/R
197KFL78000000	SPICER 1300 SE/R
197KFL95000000	SPICER 1400 SE/R
197KFL79100000	KIT FL KYOKUTO "A"
197KFL79200000	KIT FL KYOKUTO "B"

Lubrication Kit - RHS:
code 195KLB628AP000 KLB62



Lubrication Kit - LHS:
code 195KLB638AP000 KLB63



COMPOUND Clutch shift PTOs

AIR activated
(6.5 – 10 bar)



Features:

RANGE	PTO	M.SIDE	RATIO	NORMAL USE			MAX PERFORMANCE		
				Nm	kW	rpm	Nm	Max kW	Max rpm
LIGHT DUTY	61Z1	LHS/RHS	1.04	350	55	1500	210	55	2500
MEDIUM DUTY	57Z1	LHS/RHS	1.04	450	71	1500	345	90	2500
HEAVY DUTY	57Z2	LHS/RHS	1.308	535	84	1500	390	102	2500
HEAVY DUTY	57Z3	LHS/RHS	1.645	425	67	1500	390	102	2500
HEAVY DUTY	57Z4	LHS/RHS	1.962	350	55	1500	350	92	2500
SUPER DUTY	59Z3	LHS/RHS	1.645	425	102	2292	246	102(*)	3950(**)
SUPER DUTY	59Z4	LHS/RHS	1.962	350	102	2783	207	102(*)	4710(**)

(*) Up to 150 kW (according to ZF acceptance)

(**) According to max engine speed of 2400 rpm

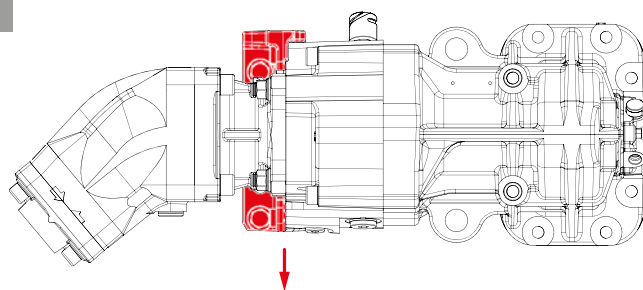
Max torque on the gearbox with 1 PTO = 700 Nm

Max torque on the gearbox with 2 PTOs = 1000 Nm total

Max bending moment allowed at PTO output:

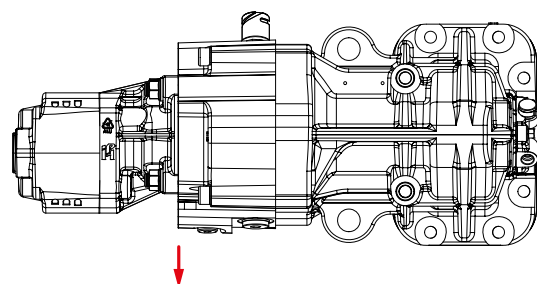
Compound PTOs with bracket 27 Nm

(the example shows the coupling with our FOX pump)



Compound PTOs without bracket . . . 8 Nm

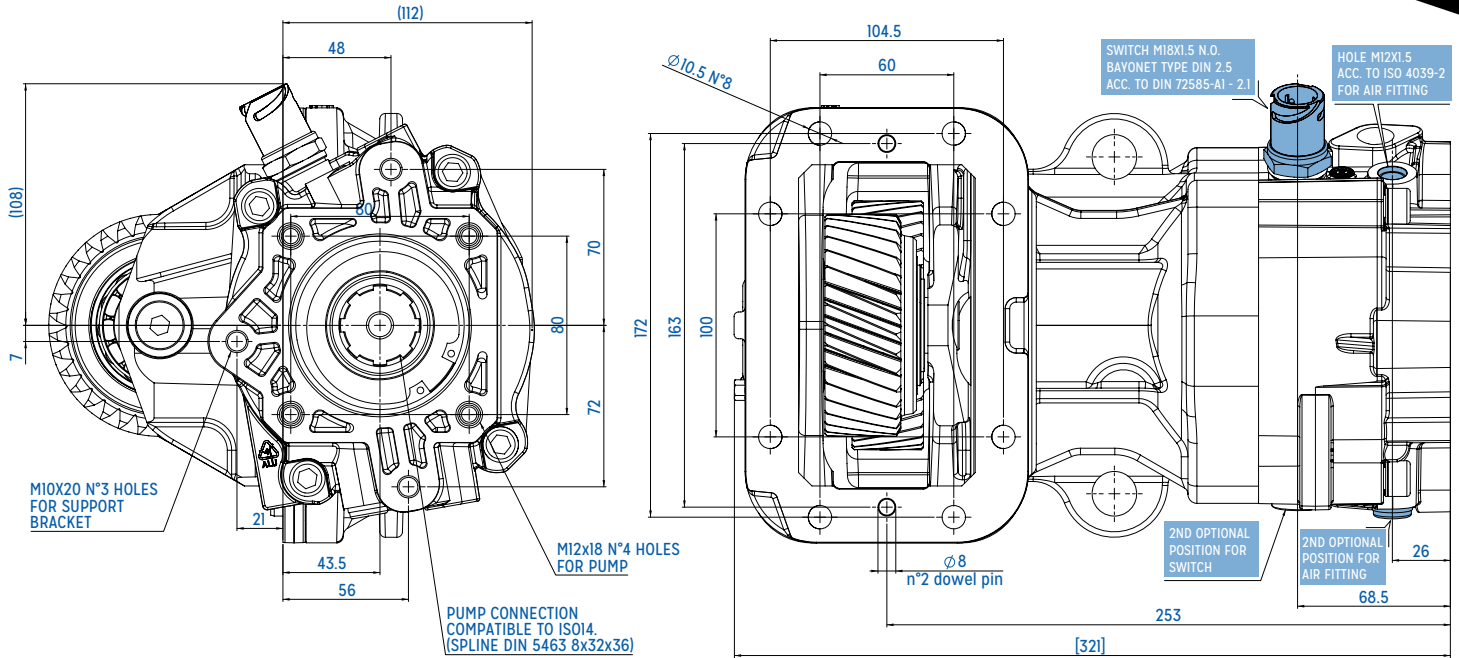
(the example shows the coupling with our HPS pump)



COMPOUND Clutch shift PTOs

AIR activated (6.5 – 10 bar)

The air inlet and engagement switch can be positioned both above or below or combined as you need.



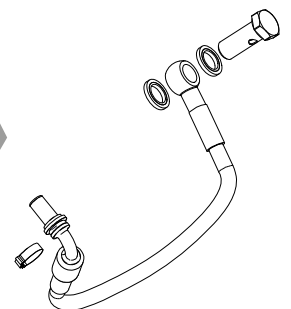
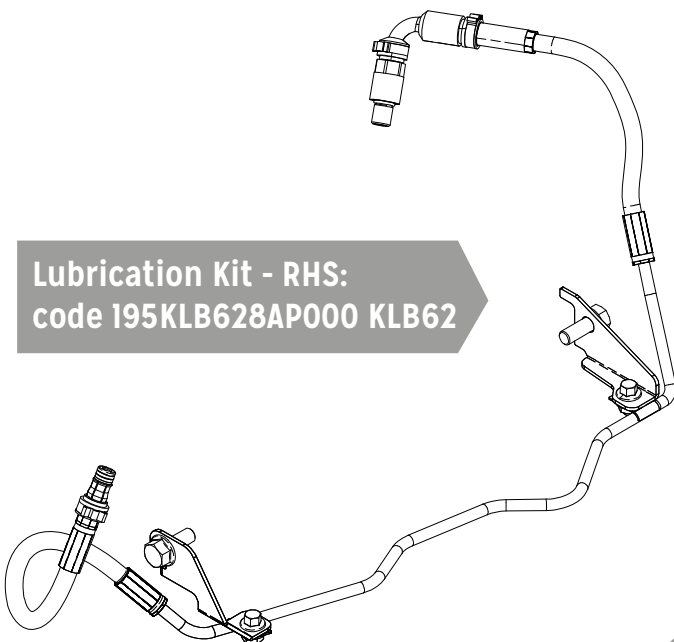
This drawing refers to PTO 57Z2

Flange Options:

CODE	DESCRIPTION
197KFL75000000	DIN 00 SE/R
197KFL76000000	DIN 10 SE/R
197KFL77000000	SPICER 1120 SE/R
197KFL78000000	SPICER 1300 SE/R
197KFL95000000	SPICER 1400 SE/R
197KFL79100000	KIT FL KYOKUTO "A"
197KFL79200000	KIT FL KYOKUTO "B"

Lubrication Kit - RHS:
code 195KLB628AP000 KLB62

Lubrication Kit - LHS:
code 195KLB668AP000 KLB66



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