

2in1 – COMPACT AND INTEGRATED COMBINATIONS OF CLUTCHES/COUPLINGS

2in1 – compact and integrated combination of Periflex® VN and Electromagnetic Pole Friction clutch.

Regal Rexnord is the only company worldwide that manufactures flexible couplings as well as a wide range of switchable clutches.

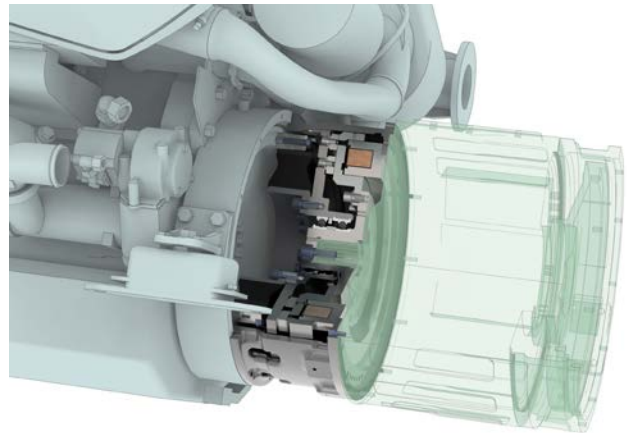
A wide selection of pre-configured flexible couplings and clutches allows our engineers to select the most suitable solution for our customer, which shortens development time and reduces assembly time on site, as both components are sourced from a single supplier.

The new selection is based on demand from the market. Driven side with Diesel engine according to DIN 6281 and drive side adapted to needs of electric motors or gearboxes as defined in SAE J617.

Besides, standard customization is still possible.

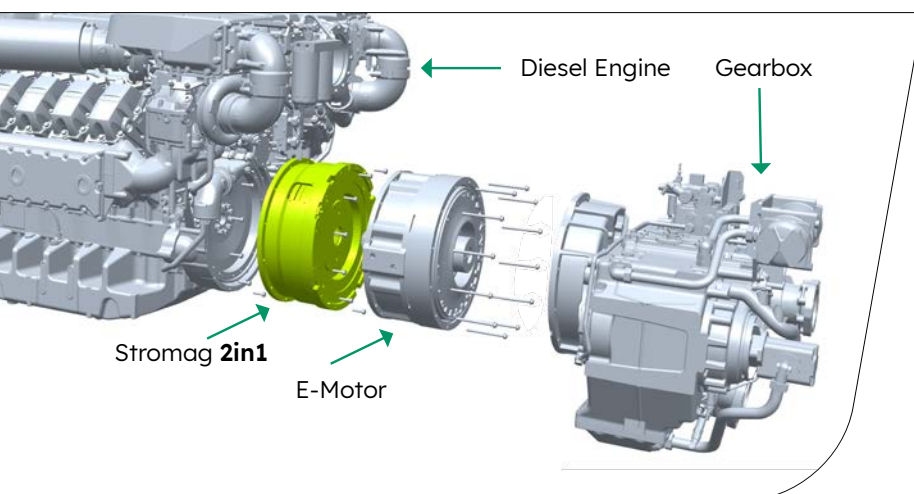
APPLICATIONS

- Marine, especially HYBRID solutions
- Mobile machines, from A like agriculture over mining to Z with zero emission drive
- Nearly all drives with a combustion engine and need for low emission



BENEFITS INCLUDE

- Modular design with predefined options
- Various clutch actuation and flexible coupling options
- Plug & Play
- Sourcing multiple components from different manufacturers can be labor-intensive due to interface clarification. Therefore, everything from a single source:
 - 2in1 combination – flexible coupling and clutch coordinated from Stromag
 - Easy technical exchange – from Torsional Vibration Analysis over clutch design (engaging design) to installation from service



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OVERVIEW OF MODULAR SYSTEM					
Housing SAE J617	Flywheel SAE J620	Periflex® VN sizes	MWU size	Stat. torque	Max. speed
SAE 5	SAE 6.5	PVN 183	MWU 40-100	1400	6000
	SAE 7.5				
SAE 4	SAE 7.5	PVN 183	MWU 80-200	2800	4500
SAE 3	SAE 7.5	PVN 183	MWU 80-200	2800	4500
	SAE 10	PVN 230 PVN 280 PVN 283			
SAE 2	SAE 10	PVN 283	MWU 160-400	5600	4000
	SAE 11.5	PVN 350 PVN 358			
SAE 1	SAE 11.5	PVN 358	MWU 160-400	5600	2200
	SAE 14	PVN 430 PVN 433 PVN 439 PVN 436			
SAE 0	SAE 14	PVN 433 PVN 439 PVN 436	MWU 400-1000 MWH 1600	14000 16000	2200 2200
	SAE 18	PVN 544 PVN 549			
SAE 00	SAE 18	PVN 544 PVN 549	MWU 640-1600	22400	2200
	SAE 21	PVN 666			

Technical Data	Example SAE 0
Stat. torque	16000 Nm
Max. torque of diesel engine	7000 Nm
Max. speed	2400 rpm
Max. bore (eg. electric motor shaft)	120 mm
Outer diameter	620 mm
Assambly length – including Periflex®VN	323.5 mm
Assambly length – including Periflex®VP	408.5 mm
Power supply VDC*	12 VDC / P = 547 W 24 VDC / P = 471 W
Weight including Periflex® VN	640 kg
Weight including Periflex® VP	667 kg

*further voltages on demand

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Stromag™

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