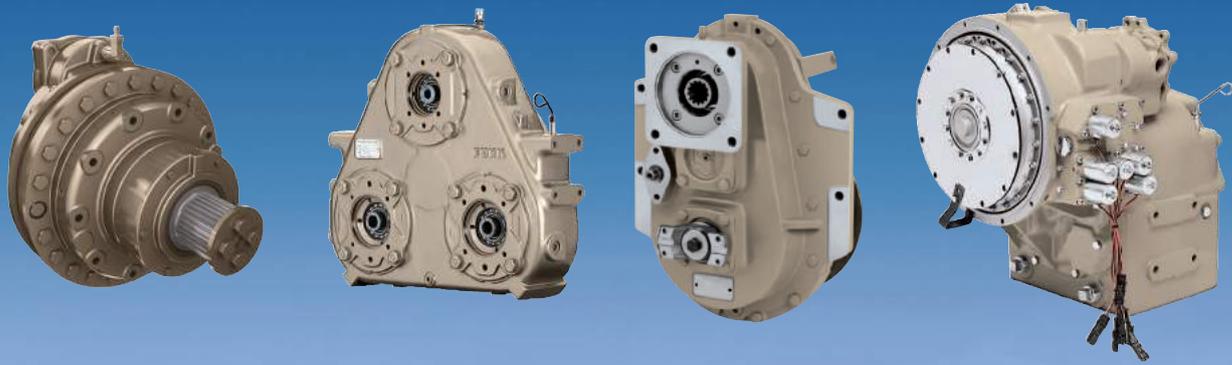


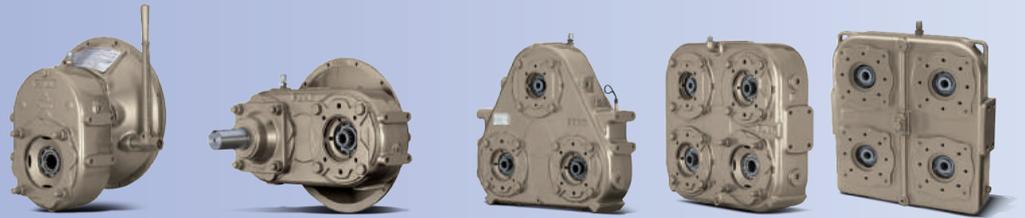
FUNK DRIVETRAIN COMPONENTS

esco Delivery Program



Pump Drive Units

- Universally applicable pump drive units for more than 5000 configurations basing on engine capacity, torque, gear ratio, hydraulic pump adapters and mounting options.
- For direct motor mount, remote mount, or with clutched input.
- Particularly for "quiet" operation.
- Due to the new "Quick Ship Program" the delivery time for standard pump drive units is only approx. 2 weeks.



		28000			56000	57000	59000
Pump output		Direct drive	Single pump	2-3 pumps	2-5 pumps	4 pumps	2-4 pumps
Input power	kW	268	242	268	708	708	522
Input torque	Nm	881	780	1017	2712	2712	1695
Pump flange	SAE	A, B, C, D	A, B, C, D	A, B, C, D	B, C, D, E, F	C, D, E	A, B, C, D
Pump spline	SAE	B, BB, C	B, BB, C	B, BB, C	B, BB, C, CC, D, E, F	C, D, E	B, BB, C
Drive plate option							
Housing	SAE	1 - 5			0 - 2	0 - 2	1 - 3
Drive plate	Inch	8, 10, 11,5, 14			11,5, 14, 18	11,5, 14, 18	10, 11,5, 14
Clutch option							
Housing	SAE	SAE 1 - 4			SAE 1	SAE 1	SAE 1-3
Clutch	Inch	10, 11,5			11,5, 14	11,5, 14	11,5, 14
Input flange option upon request							

Powershift Transmissions

- Transmissions for a variety of applications in agriculture, forestry, mining, aircraft pushers, railway maintenance etc.
- Economic operation with low maintenance costs due to common basic components for all models.



		DF150	DF250	2000 series
Power absorption	kW	112	186	168
Maximum idling speed	RPM	3000	2600	3000
Gears		8 forward 4 reverse	11 forward 4 reverse	up to 6 forward 3 reverse

Hydrostatic Transmissions HMD

- Durable and reliable hydrostatic transmissions in 2, 3 and 4 speed versions with multiple gear ratios.
- Universally applicable due to a variety of motor adapters.
- For the use in large-scale machines, e.g. drilling equipment, scrapers, railway vehicles, road sweepers or concrete mixers.

		12700 HMD	HS17000 HMD*	18000 HMD	23000 HMD
Speed levels		4	2	2	3, 4
Input power	kW	104	93	149	75
Max. input speed	RPM	2500	4300	4000	3000
Input torque	Nm	407	1017	949	271
Motor adapter	SAE	C,D	C,D	C,D	C,D

* The HS17000 is a two-speed powershift transmission capable of shifting gear ranges while the vehicle is in motion. The speeds are obtained through the use of electronically controlled solenoids and hydraulically actuated multiple disc clutches.



Planetary Drives

- Extremely rugged and reliable planetary gear drives.
- 5 basic models offered through 3 types: reducers, swing and track drives.
- For application in conveying systems, cranes, crawlers, dredgers, road rollers, tracked vehicles, winches etc.

		F9R	F12R	F25R
Max. output torque	Nm	12 880	16 948	33 895
Step-up ratio		3,27 - 117:1	7,3 - 119:1	7,5 - 122:1
Input speed	RPM	2800	2800	2800
Max. radial load	kp	14 287	14 287	28 570
Max. input power	kW	27	35	71



Axles

- Designed for large-scale machines in extreme ambient conditions.
- Modular concept for numerous versions.
- Special (SWEDA) design for wide tire application.



		1200 series	1400 series	1400 series SWEDA	1600 series
Maximum axle load	N	240 000	300 000	300 000	395 000
Width	mm	1300, 1700, 1953	1700, 1810, 1953, 2063	2540	2094
Reduction ratios max - min		15 4,443 – 33,429	12 16,208 – 32,914	3 27,927 – 32,914	1 22,5:1
Max. output torque per axle shaft	Nm	35 000	47 400	47 400	67 700

Service and Support

esco - Excellent service for excellent brands

By service, we – the esco team – mean far more than maintenance and repair. That's why our service already starts with the first phone call. Our experienced experts advise you on choosing the appropriate components and offer technically and economically convincing solutions meeting your requirements. In constructive collaboration with you and our suppliers we realize the solution concepts efficiently and give you our support throughout the whole project phase until the start-up on site. Engineering and consulting service, products of leading manufacturers and first class support – esco offers optimum performance at an economical price.

Personal consultation

At the Troisdorf offices, our field experienced engineering team answers in detail all questions regarding conception of complete drives or customization to the requirements of the application. Close cooperation and personal consultation provide confidence – and this is now more important than ever.

Service activities

We know how cost-intensive production losses resulting from machine downtime are. So, we do our utmost to make your equipment ready for operation again as fast as possible. Short reaction times due to best organized service processes and an extensive stock at the Troisdorf location with 24/48 hours delivery of all important spare parts guarantee safe operation of your machines and minimum downtimes.



For more information on clever drive solutions from esco please refer to www.esco-antriebstechnik.de.

Or simply call us! Our sales team will be pleased to help you.



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