

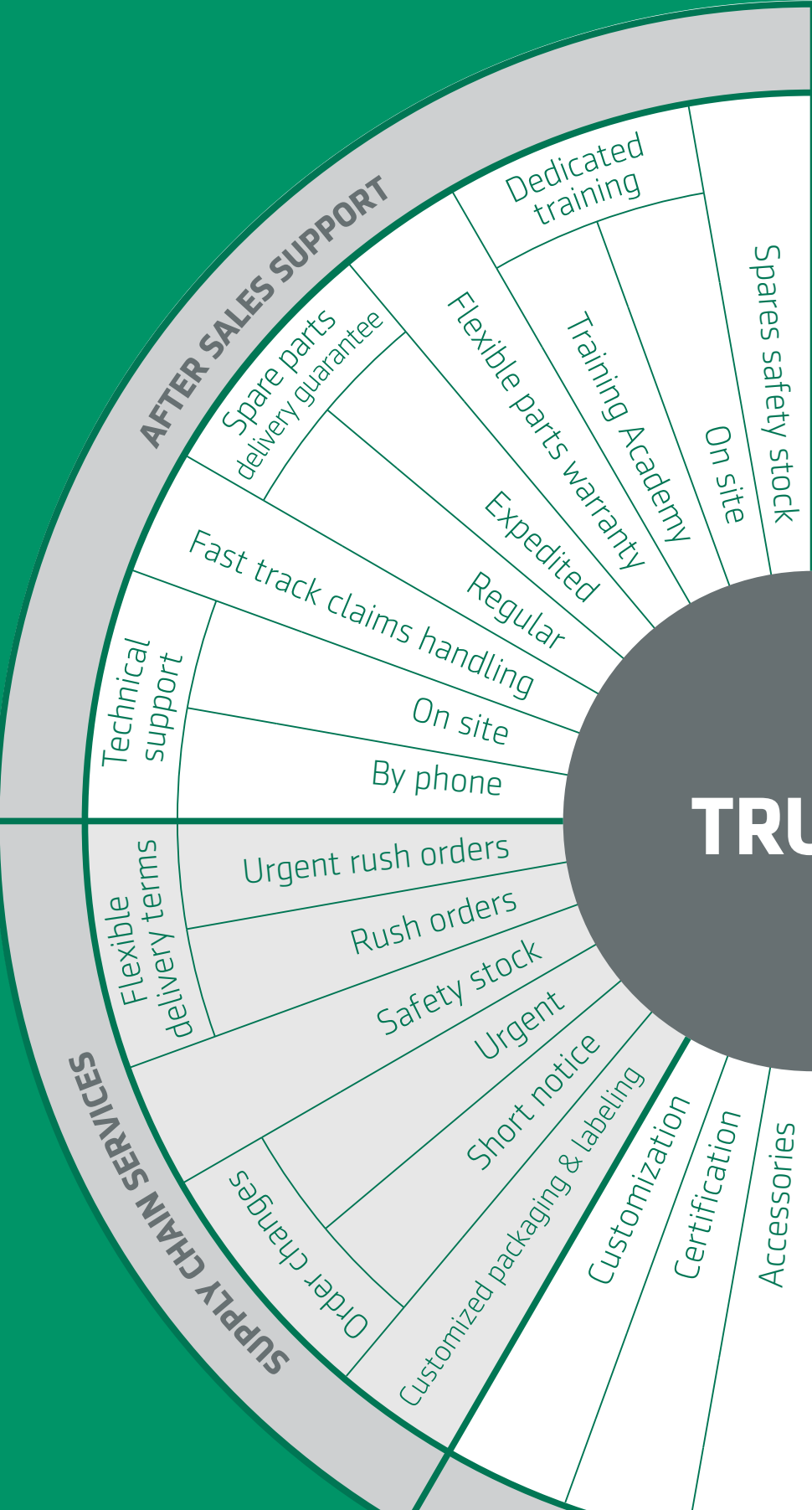


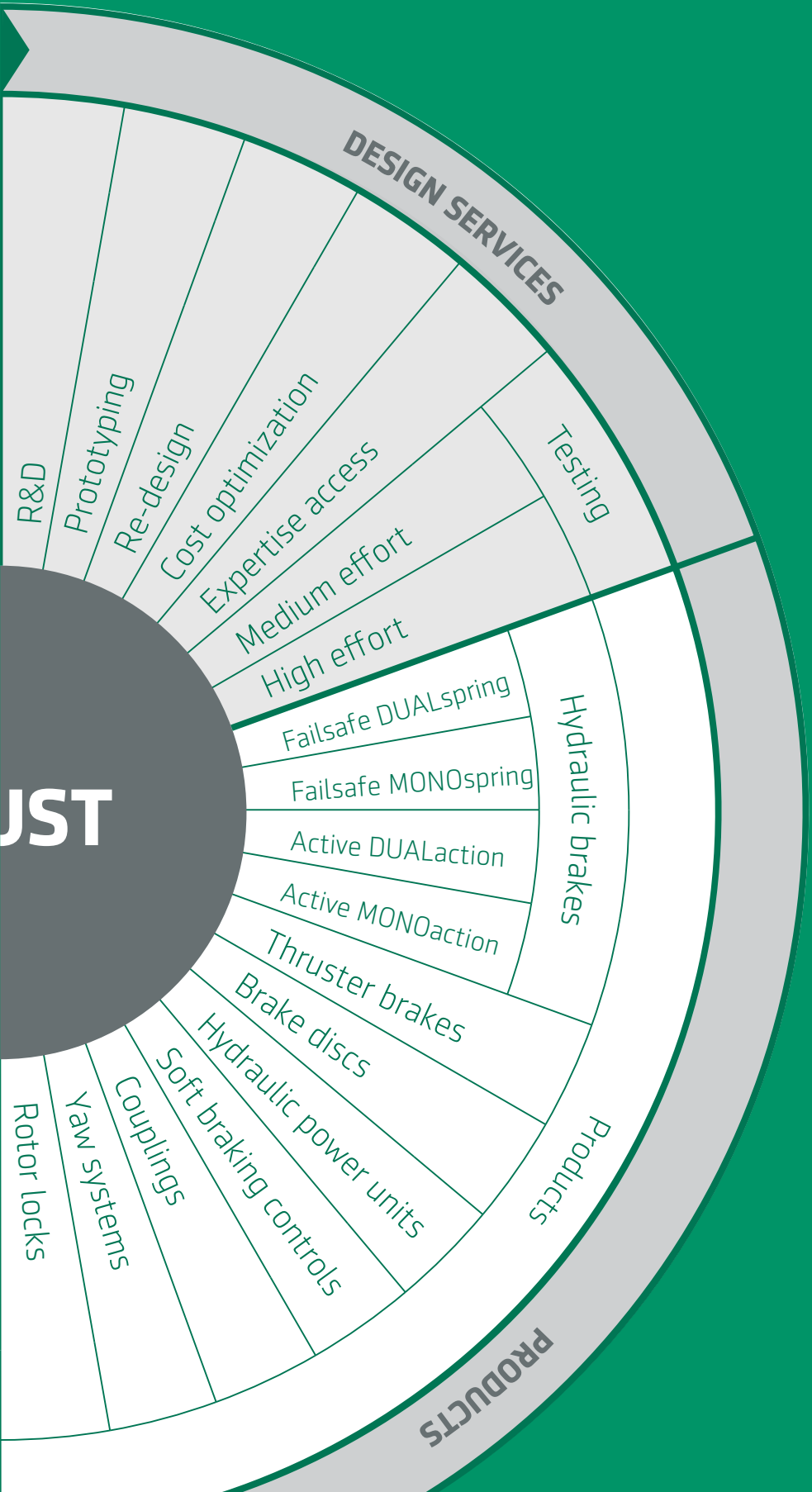
SUPERIOR BRAKING SOLUTIONS

Way Beyond Products

GLOBAL
LEADING
EXPERTS
✦ **TRUST**

Trust is key when you partner up with Svendborg Brakes, and the uptime of your operation is our key driver in everything we do. From finding or designing your braking solution to supporting you once it is installed and operating. In other words, trust is what we deliver all the way around.





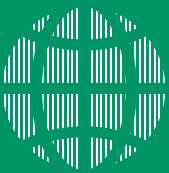
GLOBAL LEADING EXPERTS



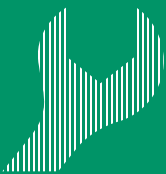
DESIGN SERVICES is the starting point of The Wheel, ensuring that your braking solution is just right for your specific operation.



PRODUCTS covers our wide range of different solutions for your operation. Our extensive testing is second to none and your primary guarantee for top quality.



SUPPLY CHAIN SERVICES allows us to meet your needs no matter what they are – and no matter where you are.



AFTER SALES SUPPORT is your guarantee that we will never let your operation out of mind or sight. With us you do not just buy a product. You also buy training and services that keep it working.

STANDARD FAILSAFE BRAKES

SPRING APPLIED / HYDRAULIC RELEASED

BSFI 100 MONOspring

Clamping force: 0 to 3.000 N
Brake pad distance (w): = 0,046m
Weight: 7kg

Key Markets:
Renewable Energy



BSFI 200 DUALspring

Clamping force: 0 to 12.000 N
Brake pad distance (w): = 0,07m
Weight: 19kg



BSFI 200 MONOspring

Clamping force: 0 to 12.000 N
Brake pad distance (w): = 0,07m
Weight: 19kg



Key Markets:
Renewable Energy, Mining & Aggregate, Crane & Hoist, Elevators & People Movers, Power Generation

BSFI 300 DUALspring E-version

Clamping force: 0 to 60.000 N
Brake pad distance (w): = 0,13m
Weight: 65kg



BSFI 300 MONOspring E-version

Clamping force: 0 to 60.000 N
Brake pad distance (w): = 0,13m
Weight: 85kg



Key Markets:
Renewable Energy, Mining & Aggregate, Oil & Gas, Crane & Hoist, Marine, Metals Market, Elevators & People Movers, Power Generation, Water & Wastewater

BSFI 300 DUALspring EE-version

Clamping force: 0 to 60.000 N
Brake pad distance (w): = 0,13m
Weight: 70kg



BSFI 300 MONOspring EE-version

Clamping force: 0 to 60.000 N
Brake pad distance (w): = 0,13m
Weight: 85kg



Key Markets:
Renewable Energy, Mining & Aggregate, Oil & Gas, Crane & Hoist, Marine, Metals Market, Elevators & People Movers, Power Generation, Water & Wastewater

BSFI 3000 DUALspring

Clamping force: 0 to 120.000 N
Brake pad distance (w):= 0,20m
Weight: 150kg



BSFI 3000 MONOspring

Clamping force: 0 to 120.000 N
Brake pad distance (w):= 0,20m
Weight: 180kg



Key Markets:

Renewable Energy, Mining & Aggregate, Oil & Gas, Crane & Hoist, Marine, Metals Market, Elevators & People Movers, Power Generation

BSFG 400 DUALspring

Clamping force: 0 to 120.000 N
Brake pad distance (w): = 0,22m
Weight: 250kg



Available as DUALspring only. Mechanically engineered and certified to comply with the strict mine regulations in various locations. Specially designed for mine hoists applications.

Key Markets:

Mining & Aggregate

BSFH 500 DUALspring

Clamping force: 0 to 200.000 N
Brake pad distance (w): = 0,22m
Weight: 300kg



BSFH 500 MONOspring

Clamping force: 0 to 200.000 N
Brake pad distance (w): = 0,22m
Weight: 480kg



Key Markets:

Mining & Aggregate, Oil & Gas, Crane & Hoist, Marine, Metals Market, Elevators & People Movers, Power Generation

BSFK 500 DUALspring

Clamping force: 0 to 350.000 N
Brake pad distance (w): = 0,23m
Weight: 330kg



BSFK 500 MONOspring

Clamping force: 0 to 350.000 N
Brake pad distance (w): = 0,23m
Weight: 550kg



Key Markets:

Mining & Aggregate, Oil & Gas, Crane & Hoist, Marine

BSFB 600 DUALspring

Clamping force: 0 to 500.000 N
Brake pad distance (w): = 0,30m
Weight: 750kg



BSFB 600 MONOspring

Clamping force: 0 to 400.000 N
Brake pad distance (w): = 0,30m
Weight: 840kg

Key Markets:

Mining & Aggregate, Oil & Gas, Crane & Hoist, Marine



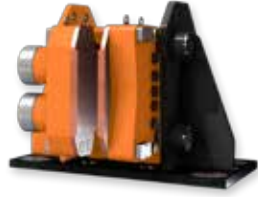
BSFA 1000 MONOspring

Clamping force: 0 to 1.100.000 N
Brake pad distance (w): = 0,30m
Weight: 1450kg-1600kg

The BSFA 1000 MS Brake, is specifically designed and engineered for SAG & BALL Mill applications.

Key Markets:

Mining & Aggregate



BSFI D300 Double Piston DUALspring

Clamping force: 0 to 120.000 N
Brake pad distance (w): = 0,12m
Weight: 250kg



BSFI D300 Double Piston MONOspring

Clamping force: 0 to 120.000 N
Brake pad distance (w): = 0,12m
Weight: 300kg -340kg



Key Markets:

Oil & Gas, Crane & Hoist, Marine

BSFI D3000 Double Piston DUALspring

Clamping force: 0 to 240.000 N
Brake pad distance (w): = 0,156m
Weight: 450kg



BSFI D3000 Double Piston MONOspring

Clamping force: 0 to 240.000 N
Brake pad distance (w): = 0,156m
Weight: 515kg -560kg



Key Markets:

Oil & Gas, Crane & Hoist, Marine

BSFH D500 Double Piston DUALspring

Clamping force: 0 to 400.000 N
Brake pad distance (w): = 0,207m
Weight: 780kg



BSFH D500 Double Piston MONOspring

Clamping force: 0 to 400.000 N
Brake pad distance (w): = 0,207m
Weight: 910kg -1000kg



Key Markets:

Oil & Gas, Crane & Hoist, Marine

STANDARD ACTIVE BRAKES

HYDRAULIC APPLIED / SPRING RELEASED

BSAB 50 DUALaction

Rear + Side Mounted
Brake pad distance (w): 0,056m
Weight: 11kg

Rear Mounted: Clamping force: 0 to 32.400 N
Side mounted: Clamping force: 0 to 24.500 N

Key Markets:
Renewable Energy, Oil & Gas



BSAB 75 DUALaction

Clamping force: 0 to 141.000 N
Brake pad distance (w): 0,102m
Weight: 53kg



BSAB 90 DUALaction

Clamping force: 0 to 235.000 N
Brake pad distance (w): 0,102m
Weight: 55kg



BSAB/C 120 DUALaction

Clamping force: 0 to 628.000 N
Brake pad distance (w): 0,136m
Weight: 170kg-198kg



BSAB 120



BSAC 120 DD

Multi-piston DUALaction brakes with removable or fixed pad holders. Typical applications for the BSAB brake range: yawing systems (wind turbines), slewing systems (cranes), shaft brakes (vessels), and top drive brakes (drilling rigs).

Key Markets:
Renewable Energy, Marine

BSAK 300 DUALaction

Clamping force: 0 to 55.000 N
Brake pad distance (w): 0,13m
Weight: 48kg



BSAK 300 MONOaction

Clamping force: 0 to 55.000 N
Brake pad distance (w): 0,13m
Weight: 73kg



Key Markets:
Renewable Energy, Metals Market, Power Generation

BSAK 3000 DUALaction

Clamping force: 0 to 130.000 N*
Brake pad distance (w): 0,20m
Weight: 130kg



BSAK 3000 MONOaction

Clamping force: 0 to 130.000 N*
Brake pad distance (w): 0,20m
Weight: 160kg



*Available with higher clamping force using double- and quad piston designs

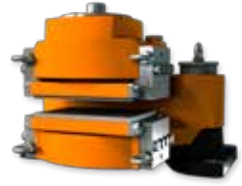
Key Markets:
Renewable Energy, Metals Market, Power Generation

BSAH 500 DUALaction + MONOaction

Clamping force: 0 to 200.000 N*
Brake pad distance (w): 0,22m
Weight: See below pictures



780kg



910kg-1000kg

*Available with higher clamping force using double- and quad piston designs

Key Markets:
Metals Market, Marine

HYDRAULIC POWER UNITS, CONTROLS & PADS

On/Off / 2-Stage Braking / SOBO® iQ

Controlled braking to prevent hard/abrupt braking sequence. HPU also available with cabinet/enclosure and various options and accessories.



Direct Drive / Conventional Wind Turbine

Certified pressure control valve to ensure pressure relief in case of control failures. Operational in cold and hot climate environment.



Custom

Each design is engineered and tested to make sure all customer requirements, are met.



SOBO® iQ

Revolutionary soft braking technology. Safe and consistent stopping times independent of load or for required stopping within a certain distance.



BRAKE PADS

Organic / Sinter Metal / Application Specific Friction Materials



Svendborg Brakes is a leader in the supply of friction materials meeting strict EU environmental regulations, including a special brake pad material resulting in noise reduction during yaw application.



Wind
Marine
Oil & Gas
Hydro
Tidal
Mining
Cranes



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