

## **Brake Components**

### **A**

Adjustment screw

Air reservoir and accessories

Air shut off cock and accessories

Anchor point triangle / Anchor point cross beam

### **B**

Bearing for brake suspension link

Bearing for hand brake

Bellow

Bevel gear

Bolts

Brackets for track brake jaws

Brake anchor point triangle

Brake block control spring and accessories

Brake block hanger

Brake block safety

Brake block SAMSON

Brake block shoe

Brake block shoe holder

Brake coupling holder

Brake coupling ring/ u-cup seals

## **Speed Architectural Technology Est.**

P.O.Box.79496, Al Khobar, Saudi Arabia, Postal code: 31952

[Tel:+966-13-8085977/8086477](tel:+966-13-8085977/8086477)

Fax: +966-13-8979287

[Email: nassirali786@speetech.net](mailto:nassirali786@speetech.net)

[Website:www.speetech.net](http://www.speetech.net)

Brake couplings and accessories  
Brake cylinder and accessories  
Brake equipment  
Brake lever  
Brake lever connector  
Brake reversing device and accessories  
Brake rod adjuster and accessories  
Brake rod by-pass  
Brake rod for load alteration box  
Brake screw and accessories  
Brake shoe key  
Brake suspension link  
Brake triangle  
Brake-hose coupling head  
Brake-hose pipe  
Brake-screw handle  
Brake-screw nut  
Brake-shoe insert / Composed  
By-pass of the brake rod  
**C**  
Cast iron brake block  
Catch  
Conical grip according to DIN 1481

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Conical spring for brake block adjuster

Control shaft

Control valve and accessories

**D**

Dead-man's vigilance device valve SV

Diaphragm

Disc brake pad

Discharge tap

Double nipple

Driver's automatic brake valve

**F**

Filter (KNORR)

Filter insert

Forked lever

**H**

Hand wheels

Holding valve (double holding valve)

**L**

Lever

Load alteration and accessories

Load alteration box Ls

Load proportional valve

Locking device sheet

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Locking screws

**M**

Magnetic valve

**N**

Non-pressure valve

**O**

O-ring (flat seal)

**P**

Packaging material

Piston for brake cylinder

Piston rod to the brake cylinder and mounting parts

Piston seal to the brake cylinder

Pressure piece

Pressure spring

Program control unit

**R**

Relay valve

Release valve

Rubber cover

Rubber lined valve rod and ball

Rubber-diaphragm

Rubber-lined control sleeve

**S**

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Safety brake sling  
Screw-in filter  
Screw-in fitting  
Sealing ring  
Sealing washer  
Shock valve with sealing ring  
Shut off cock  
Spring cups for setting device for brake block

**T**

T-screw joint  
Tappet  
Throttle check valve  
Through brake-cock ZBR  
Through cock  
Traction sand

**U**

U-cup seals

**V**

Valve disc  
VEBEO screw-joint

## **Railway Carriage Spare Parts**

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**A**

Adjusting ring for fixed point bolts  
Angle seat valves  
Anti-derail device  
Anti-vibration blocks  
Articulated base  
Axle guard with sliding flange  
Axle journal spring  
Axle-box case  
Axle-guide stay

**B**

Basic plate for inspection plate  
Bearing pin for hinge latch UIC 6544  
Bogie  
Bolt according to UIC 3.00.03.07  
Bolt for ISO container, collapsible  
Bolt for swivel stanchion according to UIC 6543  
Bolt security  
Bolts for traction gear, for bolster shock absorber  
Bolts with head and threaded plugs  
Bow handle A 10 x 150 DIN 1585  
Bracket according to DIN 37081  
Bracket according to drawing 3 Fwg 652.0.21.007.024

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Bracket for Y-bogie

Bracket ring

Bridge for wheel set guide

Buffer spring

**C**

Cable hook UIC 3194

Cap for draining screw

Capstan screw nut

Castellated nut DIN 30389 / DIN 935 etc.

Catch

Catch of the steel pipe joint half coupling

Center ring

Centre casting and accessories

Centre pin

Collar nut DIN 5903

Compression cover

Compression plate

Compression spring

Conical springs

Control bolts

Corner step/end step with rust, galvanized

Counter bearing for center casting

Coupler

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Coupling handle  
Coupling muff connection for traction gear  
Cross head for braking draw bar  
Cross sleeper handle  
Cylinder and anchor point handle, complete  
Cylindrical roller bearing  
**D**  
Damping ring  
Decal  
Discs, washers  
Door latch bar  
Door latch gudgeon, lower - for door latch bar  
Double spring cotter pin  
Draw bar for step cover of the folding hinged door  
Draw bar for traction gear  
Draw hook with collar  
Draw hook with fork piece  
Draw hook with screw thread  
Draw hook with eye  
Draw-bar guide  
Draw-bar spring  
Draw-hook pin and accessories  
Draw gear-spring plate

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Dust shield, complete for storing boxes

**E**

Earthing cable

End-wall stanchion UIC

Expansion bolt

Eye bolt DIN 444

**F**

Filling nozzle - RIC

Fixing socket EG

Flange

Flange socket for spring band plugs

Flange sockets for tie bolts

Foldout panels for warning signs

Framework for CT bolt

Friction springs (ANNULAR SPRING)

Fulcrum bolt

**G**

Gap safety pin for tie bolts

Gudgeon for plate

Guide frame for warning signs

**H**

Handles

Hem for wheel set sections

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Hinged nut

Hooks for mounting the screw coupling

Hooks for sidewall swivel stanchions

Horn cheek for axle guard

**I**

Identification plate, plates

Interior rings for roll bearing axle box housing

Interlocking cap 5 1/2" - DIN 100

Intermediate drawbar piece

Intermediate piece for double suspension link

**J**

Joining anchor screws

**L**

Label rack and accessories

Labyrinth rings for roller-bearing axle-box

Lashing rings for vehicles in ferry traffic

Leaf suspension spring

Locking dogs for sidewall swivel stanchions

Locking dogs for spring bolts

Locking plates

**M**

Megi-composite springs

MINER spring

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Multilayered spring for traction gear

**N**

Nipple - double nipple - reduction nipple

Nut, 6-edged according to DIN 934-8

**O**

Oleo-hydraulic bumper

**P**

Parabolic spring

Pipe thread piece

Plug for CT-bolt

Plunger buffer and accessories

Pressure disc

Pressure plate

**R**

Rail clip for floor anchoring

Rail hooks, remote controllable PROTECOTR S48-I

Rail pad for safety brake sling

Rail spike for Centre pins

Ram for resilient side bearer

Rivet, counter suck head

Roller bearing - housing

Roller bearing wheel set and accessories

Rollers

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Roof arch

Round nut

Rubber plate with rain angle

Rubber sheeting

**S**

Saddle washer according to DIN 34493

Safety button

Safety ring for catch bolt

Screw coupling and parts

Screw, 6-edged

Screw, vertical

Sealing

Sealing made of felt

Sealing ring

Self-locking hexagon-head nut

Shunting coupling

Shuttle plate for secondary suspension

Signal bracket (housing for signal bracket)

Slide bearer made of plastic

Slide bearer made of steel

Slide bearer, springy for Y-power bogie

Slide inlay

Slide plate made of steel

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Slide plates made of manganese X120Mn12 UIC 893 Cat.E  
Slide plates made of plastic  
Slotted nut  
Sockets (press in sockets)  
Sockets (shrinking sockets)  
Sockets according to DIN 1552  
Sockets according to DIN ISO 3547  
Splint pin DIN 94  
Spring band  
Spring baseplate according to DIN 34016  
Spring bolt  
Spring distance plate  
Spring element  
Spring hood  
Spring saddle plate according to DIN 5543  
Spring shackle  
Spring tension screw  
Spring washer  
Spring-ram  
Stanchion  
Stanchion according to UIC  
Steam heating shut off valve  
Steam heating-hose coupling

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Step bearing for traction gear divided  
Step grid and accessories  
Step sheeting for a folding hinged door  
Stirrup handle  
Stop-sleeve for traction gear  
Striker  
Support frame for pair of wheels  
Support pin  
Suspension bracket  
Suspension ring bolt  
Suspension ring hanger  
Suspension ring stone  
Suspension ring/chain link  
Suspension rod  
Swivel stanchion bolts  
Swivel stanchion impact according to UIC 6539  
System for securing the final position  
**T**  
Tab washer according to BN 208 012 Part 6  
Tensioning belt base  
Tie bolts for traction gear  
Tie sockets  
Tommy nut according to DIN 26020

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Tooth plate for wheel set guide  
Towel holder  
Traction gear and accessories  
Traction gear bracket  
Traction stop  
Trailing box for divided traction gears  
Trunnions (suspension ring bolt for axle guard / spring cap)  
Tube support

**W**

Wagon stanchions  
Washer DIN EN ISO 4759-3 (former DIN 522)  
Waste container  
Wear plate  
Weight transfer ring  
Weld-on end according to DIN 2441  
Weld-on ends for draw bar  
Wheel set bearing case  
Wheel set data rings  
Wheel set guide  
Wheel set tape  
Wool wick for power bogie lubrication

**Superstructure Materials**

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**A**

Adjustment rod, adjustable  
Andrew's cross

**B**

Bearing iron  
Brushes for railway switches  
Buffer stop block

**C**

Clamp screw  
Clamping piece  
Clamping screw  
Coach screw  
Coupling bar complete

**D**

Derailer  
Derailing stops LIBO 140

**E**

Elastic bushing  
Emergency fish plate, emergency fish plate connector

**F**

Fish bolt  
Fish plates

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Flange plates SSP

Fouling point marker bracker

Fouling point marker Rs 12

**G**

Grounding terminal / flange of rail

**H**

Hook ribbed base plate

Hook screws

Horn - tremolo - trumpet

**L**

Locking clamp

Locking dog

**P**

Pad

Point brush

Point lock

Point lubricating grease

Point ribbed base plate

Point screws

Protective hood

**R**

Rail clips

Rail end blocks

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Rails

Ribbed base plate

Ribbed flange plate

**S**

Safety cap

Safety sheet

Signal lamp for the use in railway marshaling operations

Signal vest for railway

Signals/signs

Spring washer

Stop block and Lebo accessories

Stop bolt sub

Switch stand

**T**

Tension clamps

Tension screws according to DB 401.11.1

Tie rod, adjustable

Timber sleeper

**V**

Valve rod

**W**

Wagon moving device LIBO with a lateral link motion

Washer

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Wedge for rubber sprung locking clamp  
Weight lever  
Whistle  
Wrench (fish plate wrench)  
Special Fabrications

## **Special Fabrications**

### **Machining operations**

- Conventional turning
- Boring and turning
- Milling
- Keyway slotting to DIN standard
- Broaching of boreholes

### **Grinding operations**

- NC grinding
- Internal circular grinding
- Surface grinding

### **Boring operations**

- Fine boring

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### **Sawing operations**

- Circular saws for blanks

### **Power presses**

- Folding presses, press brakes
- Eccentric presses

### **Welding operations**

- Welding approval to DIN 6700-2 C5
- Qualification certificate to DS 952 02 of the Deutsche Bundesbahn

### **Surface treatment**

- Steel grit blasting
- Hot-dip galvanizing to DIN standard
- Protection against corrosion
- Surface hardening

### **Grid fabrication**

- Machines for grid fabrication
- Automatic punching machine for special grid fabrication
- Grids to DIN standards and to specification

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*"We Specialized in problem solving, whether your needs are small, medium or large"*

*Right part @ best price @ right time - Excellent service*

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### **Turned parts**

- Turned parts of all kinds
- Special screws and bolts

### **Forges**

- Drop forging
- Open-die forging

### **Stampings and bent components**

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