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Annex 1 – Product groups



| 340 | component | product group 1 – windsc | remark | |
|---|---|---|--|----------------------------|
| | End wall window, windscreen (inc. heating system) | Inpl | np | ומח |
| 450 | Wheelset (complete) | roduct group 2 – wheelset co | mponents | |
| 452 | Monobloc wheel | (00) | | (55) |
| 454 455 | Wheel body Wheel tyre | | | <u>UB</u> |
| 461 | Axle with/without a central bore | | | |
| 462 463 | Axle with central bore / boring/drilling Molybdenum-coated wheelset / molybdenum coating | - DB | DB | DB [|
| 403 | Molybuenum-coated wheelset / molybuenum coating | product group 3 - axle box b | bearings | |
| 468 | Roller bearing for axlebox | (199) | | |
| 469 | Roller bearing components: inner ring, outer ring | meduat meun (avia hav h | | IDBI |
| 466 | Axle box housing, axle bearing housing | product group 4 - axle box h | lousings | |
| | | product group 5 - sprin | igs | |
| 390/419 395/423 | Coil springs | | | UD |
| 595/425 | Laminated suspension spring (complete)/spring leaf (individu p | uai) product group 6 – brake discs | and hubs | |
| 1597-1 | Friction rings and segments for brake discs | IDR | - Raw part, unmachined | IDBI |
| 1597-2 | Hub | nroduct group 7 - housi | | |
| 268 | Coupler head/coupling head/coupling head housing/catcher | product group 7 - housi | ngs | |
| 800 | Gearbox housing | DB | DB | DB |
| 820 | Traction motor housing | | | |
| 843 846 | Hollow drive shaft, hollow axle Hollow shaft casing | [DD] | [DD] [DD] | (50) |
| 850 | Gearbox housing | (UB) | | 00 |
| 947 | Brake shaft, Hollow brake shaft | | | |
| 300 | Coupling book | product group 8 – draw h | looks | 1181 |
| 300 | Coupling hook | product group 10 – draw | bars | |
| 308 | Drawbar, forked drawbar | | | |
| | | roduct group 11 - general co | | Wolded on a set 17 The |
| 171 | Bracket/bearer/suspension system (power trans-mission bet and the vehicle body) | ween the running gear/truck | Vehicle body shell/body shell/vehicle body/structure body fittings and structures | , Welded-on parts, vehicle |
| 285 | Central articulated joint, car body articulated joint | | Buffing and draw gear, coupler | |
| 293 | Components such as sleeves, plungers and buffer heads | IDB | Side/self-contained buffers, complete, crash buffers | DB |
| 295 | Impact protection element (steel, reversible, e.g. annular spr | rings, friction springs) | Buffing gear, Impact protection elements | |
| 372 373 | Solebar, truck side member Crossbeam | (DD) | Chassis/running gear/truck (complete), load-bearing | s structures |
| 376 | Suspension rod | UB | DB | DB |
| 377 | Truck bolster/beam | | | |
| 378 | Spring bracket, hollow shaft | (1) | | 000 |
| 397 400 | Spring suspension, spring bearing, spring guide Spring hanger | | Load bearing structure of the secondary suspension | istage |
| 400 | Spring bolt | | - | |
| 414 | Wheelset bracket | | | |
| 426 | Beam, pneumatic spring bracket | [VD] | Pneumatic spring system (complete) | [UD] |
| 444 447 | Yaw damper bracket, rotation damper bracket Torsion shaft, torsion bar | | Rotation stabilization system, yaw stabilization syst Suspension, damping, wheel(set) mounting, Friction | |
| 467 | Casing sleeves | IDPI | Axle box complete (axle roller bearing, wheelset rol | |
| 484 | Push-pull bar, link rod | | | |
| 485 | Coupling element/coupling rod | | _ Running gear-vehicle body connection, | inulation |
| 486 488 | Tensile force articulation system housing Truck stop block | DB | Articulation, tensile force articulation, lengthwise art | culation |
| 492 | Truck pivot, central casting pins | | | |
| 497 | Central casting upper/lower | | Truck pivot, central casting, slewing rim | |
| 498 | Slewing rim Torsion bar (including level), torsion shaft | DB | DB | DB |
| 501 502 | Drawbar for torsion bar | | Anti-roll system | |
| 503 | Roll bar bearing | 65 | | |
| 509 | Pendulum for torque support | DR | Drehmomentstütze | IDBI |
| 531 532 | Brake suspension system (e.g. from brake beam inter alia) Damper mounting brackets | | HPQ for components with a supporting/counter-bea Brackets, suspension systems (Running gear - fitting) | |
| 552 544 | Tilting crossbeam including suspension | [DD] | Diackets, suspension systems (Running gear - nui | |
| 545 | Suspension rod, tilting pendulum | נסעו | | |
| 546 | Ball-and-socket joint, articulated joint | | Tilt system | |
| 547 548 | Truck bolster Pendulum carrier, pendulum connection | IDR | | |
| 707 | Supporting frame, supporting structure for generator, stator | casing | Main generator system (traction generator) | |
| 821 | Bearing shield: driven and non-driven end | | Drive, traction motor, gearbox | |
| 836 | Traction motor and drive suspension system pendulum | DB | Traction motor suspension/drive suspension system | (complete) |
| 872 874 | Connecting rod, coupling rod Torque dampers | | Rod drive, chain drive | |
| 954 | Brake guide | | | |
| 955 | Brake caliper/brake caliper lever | DB | | |
| 956 | Bracket | | Brake actuating elements- Brake caliper unit | |
| 957 958 | Housing Main suspension/mounting (pins, suspension bracket inter a | ilia) | | |
| 961 | Main suspension/mounting (pins, suspension bracket inter a Main suspension/mounting (pins, suspension lug, etc.) | DB | DB | UB |
| | Lever | | | |
| | Housing Brake drum | [00] | Brake caliper unit | |
| 963 | Brake drum Brake tie bar, brake flange, brake beam | | | |
| 963 967 | Integral beam | | | |
| 963 967 978-2 998 | | [np] | Eddy-current magnet (complete) | |
| 963 967 978-2 998 999 | Tragarm | | | |
| 963 967 978-2 998 999 1000 | Track holder complete, retaining bracket | | | |
| 963 967 978-2 998 999 1000 1001 | Track holder complete, retaining bracket Brake support, braking force support, complete | | Eddy-current magnet - Suspension/lowering system | (complete) |
| 962 963 967 978-2 998 999 1000 1001 1005 1008 | Track holder complete, retaining bracket | | Eddy-current magnet - Suspension/lowering system | (complete) |
| 963 967 978-2 998 999 1000 1001 1005 1008 1009 | Track holder complete, retaining bracket Brake support, braking force support, complete Clamp, bracket Support frame Trackholder (complete) | DB | Eddy-current magnet - Suspension/lowering system | (complete) |
| 963 967 978-2 998 999 1000 1001 1005 1008 1009 1010 | Track holder complete, retaining bracket Brake support, braking force support, complete Clamp, bracket Support frame Trackholder (complete) Trackholder head | DB | Eddy-current magnet - Suspension/lowering system | <u>n (complete)</u> |
| 963 967 978-2 998 999 1000 1001 1005 1008 1009 1010 1012 | Track holder complete, retaining bracket Brake support, braking force support, complete Clamp, bracket Support frame Trackholder (complete) Trackholder head Pull bow, thrust bow | DB | - DB DB | t (complete) |
| 963 967 978-2 998 999 1000 1001 1005 1008 1009 1010 | Track holder complete, retaining bracket Brake support, braking force support, complete Clamp, bracket Support frame Trackholder (complete) Trackholder head | | - DB DB | t (complete) |
| 963 967 978-2 998 999 1000 1001 1005 1008 1009 1010 1012 1013 1014 | Track holder complete, retaining bracket Brake support, braking force support, complete Clamp, bracket Support frame Trackholder (complete) Trackholder head Pull bow, thrust bow Driver, driver stem, driver stop Suspension stand product gro | DUB DUB Dup 12 - general components | Electromagnetic rail brake (complete) | i (complete) |
| 963 967 978-2 998 999 1000 1001 1005 1008 1009 1010 1012 1013 1014 402 | Track holder complete, retaining bracket Brake support, braking force support, complete Clamp, bracket Support frame Trackholder (complete) Trackholder head Pull bow, thrust bow Driver, driver stem, driver stop Suspension stand product gro Spring shackle | ир 12 – general components | Electromagnetic rail brake (complete) | n (complete) |
| 963 967 978-2 998 999 1000 1001 1005 1008 1009 1010 1012 1013 1014 402 978-1 | Track holder complete, retaining bracket Brake support, braking force support, complete Clamp, bracket Support frame Trackholder (complete) Trackholder (complete) Trackholder head Pull bow, thrust bow Driver, driver stem, driver stop Suspension stand product gro Spring shackle Brake triangles | ир 12 – general components | Electromagnetic rail brake (complete) | i (complete) |
| 963 967 978-2 998 999 1000 1001 1005 1008 1009 1010 1012 1013 1014 402 | Track holder complete, retaining bracket Brake support, braking force support, complete Clamp, bracket Support frame Trackholder (complete) Trackholder head Pull bow, thrust bow Driver, driver stem, driver stop Suspension stand product gro Spring shackle | DB | Electromagnetic rail brake (complete) | i (complete) |

Annex 2 - Certificate registration no.: 1952021 Remarks to the scope of qualification: Heattreatment is gualified with: • T.T.N. S.p.A. Via Gandhi, 3/9 20010 Vittuone MI Italy **General restrictions to Manufacturer-Related Product Qualification:** This qualification does not cover products which require a separate manufacturer-related product qualification by the applicable Deutsche Bahn standards. The certification in according to EN 15085-2 and DB AG directive 951 is necessary • for welding of rail vehicle parts. Exclusively subcontractors qualified by the Deutsche Bahn AG can be authorized to carry out the heat treatment. The following services are subject to charge: re-issuing the certificate because of a change of ownership, a change of the company name or a change in the scope of this qualification • additional certificates in English (three copies per set) Information duties: The issue of a manufacturer related product gualification (HPQ) is always based on the • state determined at the time of the audit. All essential changes of processes or manufacturing systems/equipment that are planned or carried out subsequently must always be notified by the manufacturer to DB AG in advance. DB AG shall decide necessary actions in individual cases. A violation of the information obligation may lead to the withdrawal of HPQ. • The qualification may be withdrawn, if quality problems arise that cast doubt on the DB current status of this qualification or if a manufacturer disregards important conditions of this qualification.