

A Guideline to VELA chairs and accessories – related to diagnosis and symptoms

| Diagnosis, and symptoms | Activity problems | Chairs and accessories benefits |
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| <p>The diagnosis may result in different symptoms and difficulties – and may vary from person to person. The outcomes are widely different depending of the nature and progressing of the diagnosis</p> | <p>The same kind of Activity limitations allows a number of diagnosis</p> | <p>VELA Tango chairs have adjustable seat height, operated by gas spring or electric. Choose gas spring for those who have limited mobility problems and for persons who can partially get up and sit down – e.g. using the armrest. The manual height adjustment provides safety and stability in daily activities</p> <p>Choose electric operation for those with severely mobility problems and for persons who can neither stand nor walk. The electric height adjustment provides step less, smooth and quiet movement e.g. for persons with pains or cognitive problems, - those who cannot operate the gas spring lever, and those who needs to have a larger range of movement, since the actuator allows this. Electric adjustment also contributes to a better working environment for the caring staff – e.g. bringing the user in a proper height, e.g. with transfer from chair to bed.</p> <p>VELA Tango chairs – safety and stability</p> <ul style="list-style-type: none"> • All adults and children’s chairs have a stable, 4-wheel base, and central brake – for extra safety and stability when getting up and sitting down • All chairs have extra space between wheels – for walking, while sitting in the chair <p>VELA Tango 100 and 200 – how to choose The difference between Tango 100 and 200 is the size and the shape of the seat and backrest.</p> <ul style="list-style-type: none"> • VELA Tango 100 has a lumbar support, allowing for free movement of the back, shoulders and arms. The seat is curved and 44 cm x 44 cm. • VELA Tango 200 is recommended for those who needs comfort and a higher backrest. The backrest may be adjusted and locked in a fixed angle. The seat is curved and 47x 49 cm |

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| <p>Mobility and walking impairment</p> <ul style="list-style-type: none"> • Mobility and walking impairment may be related to different diagnosis related to age or to a worn-down life | <ul style="list-style-type: none"> • Mobility and walking impairment may include all kinds of activity problems in daily life e.g. personnel care, household, leisure activities | <p>VELA Tango chairs</p> <ul style="list-style-type: none"> • VELA Tango chairs support a safe and stable base and sitting unit – and support activities at home and at the workplace. The chairs are easily adjusted to the user, and accessories may be added for even more adaptation. |
| <p>Spinal disorders e.g. low back pain</p> <ul style="list-style-type: none"> • Walking impairment • Poor balance • Reduced muscular strength • Limited movement of the joints • Misalignments of the back • Tiredness • Pains in the body • Reduced mobility and movement in general | <ul style="list-style-type: none"> • Can't get up and sit down in a chair without help • Can't get up standing e.g. at the kitchen table, can't stand up for a longer time, or stand up without support • Needs to sit down for daily activities • Can't use an ordinary (not adjustable) chair • Can't sit comfortable without support | <p>VELA Tango 100 and 200, VELA Tango 100EL and 200EL</p> <ul style="list-style-type: none"> • Choose for gas spring or electric adjustment of the seat height. • Stable and supporting seat and backrest – for a supporting workplace for daily activities at home and at the workplace • Seat tilt and adjustable backrest (up/down/forth/back/angle) – for an ergonomic sitting posture – for comfort and for support of the back. • Adjustable armrest (up/down/width) for support when getting up and sitting down • Accessories: Foot support – if the user wants to sit high. |
| <p>Arthrosis</p> <ul style="list-style-type: none"> • Poor balance • Reduced mobility and movement in general • Limited joint motion in hips, legs, feet, shoulder, arms and hands • Misalignments of e.g. the hands • Fatigue • Pains, chronic – but often intermittent | <ul style="list-style-type: none"> • Can't get up and sit down in a chair without help • Can't get up standing e.g. at the kitchen table, can't stand up for a longer time, or stand up without support • Cannot reach up high and low down e.g. in the kitchen • Difficulties using the hands for adjustment of the chair • Unstable walking, difficulties moving around indoor | <p>VELA Tango 100 and 200, VELA Tango 100EL and 200EL</p> <ul style="list-style-type: none"> • Choose electric adjustment of the seat height, for a smooth up/down. • Stable and supporting seat and backrest – for a supporting workplace for daily activities at home and at the workplace • Seat tilt and adjustable backrest (up/down/forth/back/angle) – for an ergonomic sitting posture • Adjustable armrest (up/down/width) for support when getting up and sitting down • Arthrodesis split seat is available for the Tango chairs for adults. Users who have limited movement in the hips may benefit of the seat, as left and right front of the seat may be individually lowered, for at more open hip angle. • Accessories: Special grips and handles for users who have arthrosis in |

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| | | hands and arm may be added. |
| <p>Multiple sclerosis</p> <ul style="list-style-type: none"> • Poor balance • Reduced muscular strength • Mobility problems due to paralysis in trunk, leg or/and arm • Spasticity • Fatigue • The person tends to slide forward in the chair • Cognitive dysfunctions • Incontinence | <ul style="list-style-type: none"> • Need to sit down for daily activities because of poor balance and reduced muscles strength • Can't get up and sit down in a chair without help • Cannot reach uphigh and low down e.g. in the kitchen • Unstable walking, difficulties moving around indoor • Need support in the sitting posture | <p>VELA Tango 100 and 200, VELA Tango 100EL and 200EL</p> <ul style="list-style-type: none"> • Choose gas or electric adjustment of the seat height • Stable and supporting seat and backrest – for a supporting workplace for daily activities at home and at the workplace • Seat tilt and adjustable backrest (up/down/forth/back/angle) – for an ergonomic, supporting, sitting posture • Adjustable armrest (up/down/width) for support when getting up end sitting down • Accessories: Foot support – if the user wants to sit high. • Accessories: Incontinence cover for seat |
| <p>Neurology, e.g. Stroke, trauma, brain damages, hemiplegia</p> <ul style="list-style-type: none"> • Poor balance • Mobility problems due to paralysis in leg or/and arm • Spasticity • Fatigue • Pains in the body • Person tends to slide forward in the chair • Risk of pressure ulcers • Swallowing and speaking problems in the sitting position • Cognitive dysfunctions • Incontinence | <ul style="list-style-type: none"> • Need to sit down for daily activities because of poor balance and paralysis in leg or/and arm • Can't get up and sit down in a chair without help • Cannot reach high up and low down e.g. in the kitchen • Unstable walking, difficulties moving around indoor • Need support in the sitting posture • An active sitting posture is recommended for swallowing and speaking problems. | <ul style="list-style-type: none"> • Choose electric adjustment of the seat height, for an easily adjustment of the seat height. • Stable and supporting seat and backrest – for a supporting workplace for daily activities at home and at the workplace • Seat tilt and adjustable backrest (up/down/forth/back/angle) – for an ergonomic sitting posture – and an upright, forward leaned sitting position for activities e.g. eating • Adjustable armrest (up/down/width) for support when getting up end sitting down • Accessories: Lateral supports • Accessories: Incontinence cover for seat • Accessories: Push handle (for users, who need staff support e.g. in nursing homes or at home) |
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| <p>Cerebral Palsy (CP) (Children)</p> <ul style="list-style-type: none"> • Poor balance • Reduced mobility and movement in general • Reduced muscular strength and limited movement in the joints • Misalignments of e.g. the back • Spasticity • Fatigue • Pains in the body | <ul style="list-style-type: none"> • Limited walking and standing • Can't sit comfortable and safe without support of the body • May need accessories or special adaptation of the sitting unit for better sitting posture | <p>VELA Hip Hop 100, VELA Tango 100S, VELA Tango 100 ES</p> <ul style="list-style-type: none"> • For children and teens with limited mobility and disabilities • For home, kindergarten, school or any leisure time activity • VELA Hip Hop for smaller children (seat height with a gas spring) • VELA Tango 100 S (seat height with a gas spring) • VELA Tango 100ES (seat height with electric adjustment) • Seats, backrests and accessories are the same on Children's chairs <ul style="list-style-type: none"> • Stable and supporting seat and backrest – for a supporting workplace for daily activities at home and at the workplace • Seat tilt and adjustable backrest (up/down/forth/back/angle) – for an ergonomic sitting posture – and an upright, forward leaned sitting position for activities • Seats and backrests may be ordered in different sizes to fit the child's need Seats and backrests are easily changed in size – when the child grows. • Adjustable armrest (up/down/width) for support when getting up end sitting down <ul style="list-style-type: none"> • Accessories: Foot rest/support • Accessories: Lateral supports, thigh supports, side support • Accessories: Safety belt • Accessories: cover and Incontinence cover for seats • Accessories: Push handle(for users, who need staff support e.g. in nursing homes or at home) |
| <p>Muscular dystrophy (Children)</p> <ul style="list-style-type: none"> • Poor balance • Reduced muscular strength • Reduced mobility and movement in general • Limited movement in the joints • Misalignments of e.g. the back, upper and lower limbs | <ul style="list-style-type: none"> • Can't get up and sit down in a chair without help • Limited walking and standing • Can't sit comfortable and safe without support of the body • May need accessories or special adaptation of the sitting unit for better sitting posture | <p>VELA Hip Hop 100, VELA Tango 100S, VELA Tango 100 ES <i>Please take a look at the text for CP.</i></p> <p>In addition children with Muscular dystrophy may need even more adaptation to the child e.g. seats and backrests. At VELA we have our own upholstery workshop – and the possibility to adapt the seat and backrest even more.</p> |

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| <ul style="list-style-type: none"> • Fatigue | | |
| <p>Leg amputation</p> <ul style="list-style-type: none"> • Poor balance • Pains • Reduced mobility and movement in general | <ul style="list-style-type: none"> • Can't stand up for a longer time, or without support • Unstable walking • Can't reach high up and low down e.g. in the kitchen | <p>VELA Tango 100 and 200, VELA Tango 100EL and 200EL</p> <ul style="list-style-type: none"> • Choose for gas spring or electric adjustment of the seat height. • Stable and supporting seat and backrest – for a supporting workplace for daily activities at home and at the workplace • Seat tilt and adjustable backrest (up/down/forth/back/angle) – for an ergonomic sitting posture – for comfort and for support of the back. • Adjustable armrest (up/down/width) for support when getting up and sitting down |
| <p>Parkinson's disease</p> <ul style="list-style-type: none"> • The most obvious symptoms are movement-related; these include shaking, rigidity, slowness of movement and difficulty with walking and gait. • Poor balance • Fatigue | <ul style="list-style-type: none"> • Stability and safety in the sitting position is needed • Unstable walking and standing in general | <p>VELA Tango 100 and 200, VELA Tango 100EL and 200EL</p> <ul style="list-style-type: none"> • Choose gas or electric adjustment of the seat height • Stable and supporting seat and backrest – for a supporting workplace for daily activities at home and at the workplace • Seat tilt and adjustable backrest (up/down/forth/back/angle) – for an ergonomic, supporting, sitting posture • Adjustable armrest (up/down/width) for support when getting up and sitting down |
| <p>Obese persons</p> <ul style="list-style-type: none"> • The "diagnosis" is the large weight • The person may suffer from some of the same symptoms as persons with disabilities, e.g. poor balance and reduced mobility and movement in general | <ul style="list-style-type: none"> • Most important is safety and stability to improve seating and getting to and from the chair. • Large persons may require other measures and shapes in their chair, e.g. a wider seat but a limited depth of the seat | <p>VELA Tango 300 and 300 E</p> <ul style="list-style-type: none"> • VELA Tango 300 - fixed seat height – user weight 200 kg • VELA Tango 300 - gas spring for height adjustment - user weight 175 kg • VELA Tango 300E - electric height adjustment – user weight 200 kg • VELA Tango 300 is especially well suited for users who are obese or have involuntary movements, e.g. persons with spasticity. • All parts of the chair are made of durable and wear-resistant materials for a safe and stable chair used for everyday activities at home and at work • Armrests and backrest are adjustable with tools for safety reasons • Standard seats and high backrests – or alternative sizes - to the use |