NF-Move
Star-foot chair – the ergonomic seating solution.

Frame consisting of an aluminum star-foot and plastic-covered gas spring mechanism. Optionally available with armrests and plastic lining.

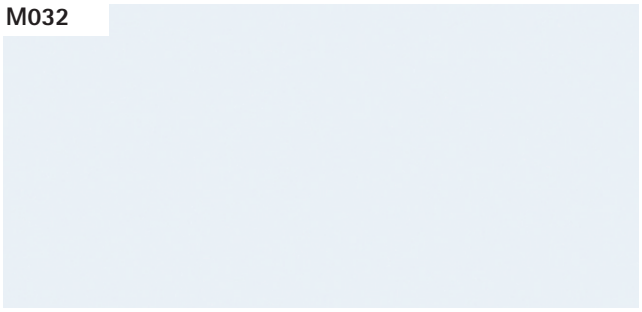
Seat and backrest shell manufactured using a monosandwich process. Made from polypropylene with a hard core and glass-fiber content. With a flexible outside and edge area to prevent uncomfortable pressure points when sitting. Optionally with a tightly upholstered seat and backrest area.

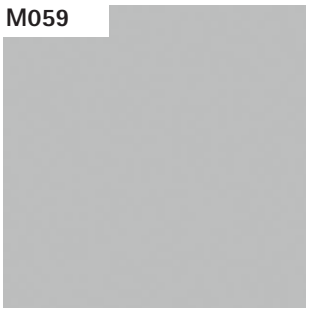
Equipment and options Glide elements or castors for hard and soft floors or 2C universal glide elements. Optionally available with foot ring or with particularly easy-to-use 3D tilt mechanism with sideways tilt capability. With piggy-back hook (models without armrests) for suspension of chair on table tops.

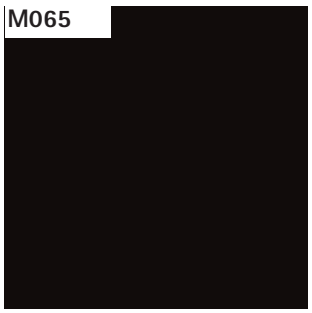
Model **Plus** for raised sitting/standing workstations with castors braked under load and with a foot ring that is height-adjustable and lockable in 3 cm increments.

The following material groups are available to choose from: Frame made of steel tube: M1; Seat and backrest: C1; Fabric cover: S46,51,52,64,73,74,76,78,79,80,81.

		Upholstery: Seat 20 mm. Backrest 10 mm. When fitted with castors, the height increases by 23,5 mm.						
NF-Move			**32500**	**32501**	**32502**	**32505**	**32506**	**32507**
		Seat w·h·d	434·419-571·440	434·429-591·440		434·419-571·440	434·429-591·440	
		Total w·h·d	601·775-927·601			686·775-927·686		
		Armrest h				645-797		
	Plus (High seat)		**32510**	**32511**	**32512**	**32515**	**32516**	**32517**
		Seat w·h·d	434·509-782·440	434·529-802·440		434·509-782·440	434·529-802·440	
		Total w·h·d	601·865-1138·601			686·865-1138·686		
		Armrest h				735-1008		







Metal - Group: M1.

Metal parts. Steel and aluminium are mainly used in the manufacture of chairs and tables but also for racks. At VS, tubes as well as metal sheets for fronts are generally epoxy-resin powder-coated. In addition to various **metal colours**, selected products can also be chrome-plated.

M030 terra grey, M031 petrol, M032 light blue, M033 light green, M034 orange, M059 arctic, M063 anthracite, M065 black (RAL 9011), M071 sapphire blue RAL 5003, M084 oxblood, M091 white

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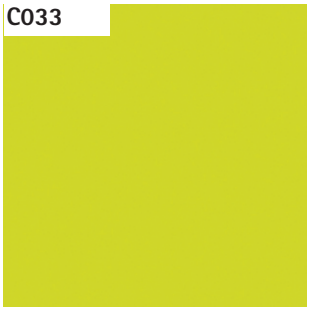
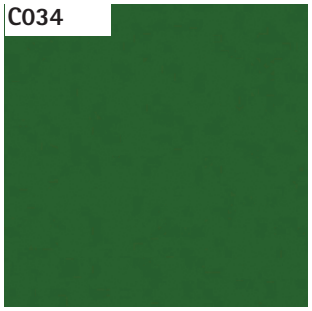
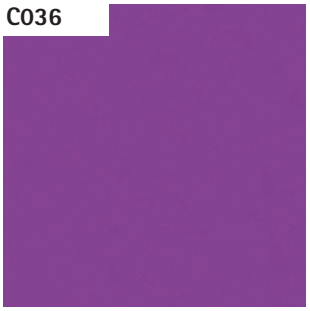
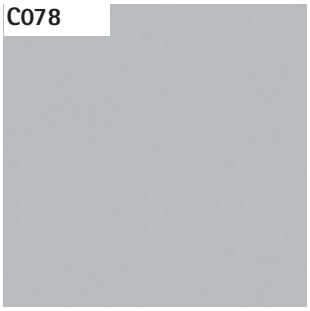
Warning: Printed and monitor representations of materials and colour samples may differ from the original and are not colour-accurate.









Plastics - Group: C1.

Plastic parts. Plastic is used for small parts, e.g. handles and end elements, but also for seat shells. Seat shells on LuPoGlide and LuPoTurn chairs and the Panton family are made from polypropylene. Polypropylene is a particularly impact- and scratch-resistant material. Various **plastic colours** are available to choose from.

C027 dark red, **C029** dark blue, **C030** light blue, **C031** white, **C032** orange, **C033** light green, **C034** green, **C036** purple, **C073** black grey (RAL 7021), **C078** dolphin grey

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EPI

ENVIRONMENTAL PRODUCT INFORMATION (EPI*) U32500_UP_EN - 15.12.2021 - www.vs-moebel.de

NF-Move

Product description:
Design consisting of an aluminium star foot and plastic-covered gas spring mechanism. Seat and backrest shell manufactured using a monosandwich process. Made from polypropylene with a hard core and glass-fiber content.

Human and Ecosystem Health:
The NF-Move has been awarded the following certificates:

Lifecycle assessment:

Material composition			Total recycled material content	
Wooden mat.	0,00 kg	0,00 %	pre consumer	0,00 %
Steel	2,14 kg	30,90 %	post consumer	41,20 %
Aluminium	2,04 kg	29,50 %		
Fiberglass	0,68 kg	9,70 %		
Plastic	2,08 kg	29,90 %		
Total	6,94 kg	100,00 %	Total	41,20 %

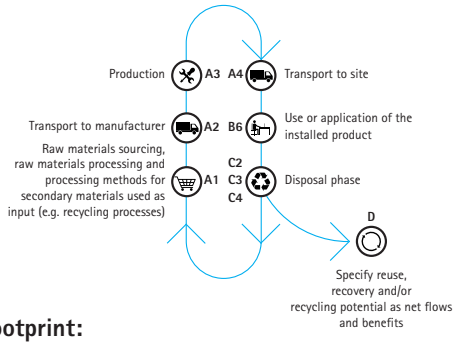
Recycling capability:

100%

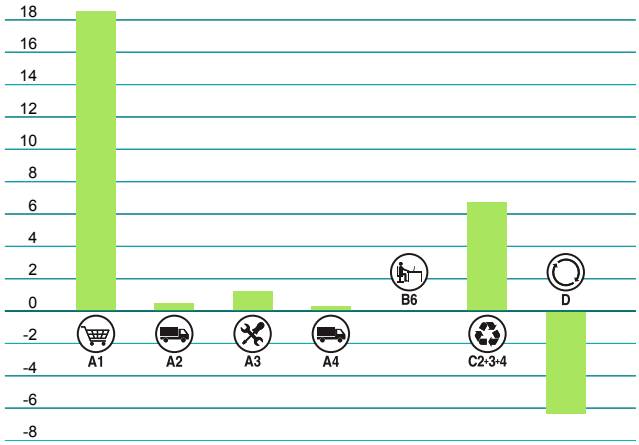
Due to the great variation between models we have chosen the representative model 32500, NF-Move, height 41,9-57,1 cm, for the purposes of analysis. The packaging is not considered here because, as far as possible, we do without this. Reusable packing blankets made from 100% recycled materials are used to provide protection during transport.

***The Environmental Product Information (EPI)** is a type II environmental label in accordance with the specifications set out in ISO 14021. It is a document which describes the environmentally-relevant impacts of the corresponding item of furniture across the entire product lifecycle.

Product lifecycle (material cycle):



Carbon footprint:
Global warming potential [kg CO_2-Eq]



Alongside many other environmental indicators, which are listed in the following table, we shall briefly mention the **„carbon footprint"** here: Summary of the global warming potential (GWP) of fossil and biogenic energy sources/materials and the global warming potential of land use/change of land use. The value is presented in kg CO_2-equivalent. In the **"Cradle-to-Gate"** assessment, only the global warming potential of phases A1 to A3 (raw material extraction, transport and manufacturing) is considered.

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Detailed results of the lifecycle assessment:

Environmental impacts	Unit	A1+A2+A3	A4	B6	C2+C3+C4	D
Climate Change (Sum of lines 2, 3, 4)	[kg CO_2 eq.]	2,03E+01	2,61E-01	0,00E+00	6,70E+00	-6,36E+00
- Climate Change (fossil)	[kg CO_2 eq.]	2,02E+01	2,60E-01	0,00E+00	6,70E+00	-6,34E+00
- Climate Change (biogenic)	[kg CO_2 eq.]	7,19E-02	1,05E-04	0,00E+00	-5,59E-04	-1,00E-02
- Climate Change (land use change)	[kg CO_2 eq.]	1,91E-02	1,09E-03	0,00E+00	1,16E-03	-1,96E-03
Ozone depletion	[kg CFC-11 eq.]	1,80E-13	6,39E-17	0,00E+00	6,27E-16	-3,86E-14
Acidification terrestrial and freshwater	[Mole of H+ eq.]	5,90E-02	2,40E-04	0,00E+00	2,09E-03	-1,13E-02
Eutrophication freshwater	[kg P eq.]	3,28E-05	5,67E-07	0,00E+00	6,69E-07	-4,85E-06
Eutrophication marine	[kg N eq.]	1,24E-02	7,45E-05	0,00E+00	8,30E-04	-2,12E-03
Eutrophication terrestrial	[Mole of N eq.]	1,30E-01	9,04E-04	0,00E+00	1,06E-02	-2,20E-02
Photochemical ozone formation - human health	[kg NMVOC eq.]	3,93E-02	1,98E-04	0,00E+00	2,18E-03	-7,83E-03
Resource use, mineral and metals	[kg Sb eq.]	1,41E-04	2,16E-08	0,00E+00	3,13E-08	-6,66E-06
Resource use, energy carriers	[MJ]	3,41E+02	3,46E+00	0,00E+00	4,63E+00	-8,29E+01
Water scarcity	[m^3 world equiv.]	8,13E-01	1,12E-03	0,00E+00	6,06E-01	-9,38E-01

Resource use	Unit	A1+A2+A3	A4	B6	C2+C3+C4	D
Use of renewable primary energy (PERE)	MJ	4,95E+01	2,01E-01	0,00E+00	3,87E-01	-1,17E+01
Primary energy resources used as raw materials (PERM)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy resources (PERT)	MJ	4,95E+01	2,01E-01	0,00E+00	3,87E-01	-1,17E+01
Use of non-renewable primary energy (PENRE)	MJ	2,49E+02	3,46E+00	0,00E+00	9,63E+01	-8,29E+01
Non-renewable primary energy resources used as raw materials (PENRM)	MJ	9,17E+01	0,00E+00	0,00E+00	-9,17E+01	0,00E+00
Total use of non-renewable primary energy resources (PENRT)	MJ	3,41E+02	3,46E+00	0,00E+00	4,63E+00	-8,29E+01
Input of secondary material (SM)	MJ	2,45E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels (RSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels (NRSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water (FW)	MJ	6,32E-02	1,80E-04	0,00E+00	1,44E-02	-3,15E-02

Output flows and waste categories	Unit	A1+A2+A3	A4	B6	C2+C3+C4	D
Hazardous waste disposed (HWD)	kg	3,20E-07	1,29E-07	0,00E+00	1,32E-07	-1,66E-08
Non-hazardous waste disposed (NHWD)	kg	5,84E-01	6,07E-04	0,00E+00	7,04E-01	1,68E-01
Radioactive waste disposed (RWD)	kg	7,27E-03	3,64E-06	0,00E+00	5,47E-05	-4,33E-03
Components for re-use (CRU)	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for Recycling (MFR)	kg	4,92E-02	0,00E+00	0,00E+00	1,70E+00	0,00E+00
Material for Energy Recovery (MER)	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported electrical energy (EEE)	kg	6,94E-03	0,00E+00	0,00E+00	1,36E+01	0,00E+00
Exported thermal energy (EET)	kg	1,59E-02	0,00E+00	0,00E+00	2,42E+01	0,00E+00

The life cycle assessment was prepared in accordance with DIN EN 15804 + A2.
The data sets on which the preceding calculations are based were taken from the GaBi database (version 2020.2).
The LCA model was created by Sphera Solutions GmbH, Hauptstraße 111-113, 70771 Leinfelden-Echterdingen.

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Sustainability at VS:

Corporate principles:
VS considers the responsible use of the natural resources in the environment to constitute an important corporate principle. One of the main aims of the environmental policy at VS is to minimize environmental impacts at the production site and to be able to offer our customers products that are manufactured in a way that preserves the environment as much as possible. We at VS consider our obligation to the natural environment to include:

- the protection of the environment, our employees and our customers by preventing harmful influences during the manufacture, use and disposal of our products
- preventing or minimising emissions and waste
- minimizing the consumption of the natural resources water, ground and air
- being economical in our consumption of materials in all manufacturing sectors (recirculation)
- environmentally-oriented material selection and the modular design of VS products in order to facilitate recycling
- avoidance of unnecessarily long transport paths by preferring to work with suppliers in Germany and neighbouring countries
- ensuring that VS products are particularly long-lived through wide-ranging wear parts replacement capabilities by the VS Spare Parts Service
- option for a "second life" for furniture that is taken back and reworked and sold in the in-house factory sales area

Certification of our management systems:
Certification of our management systems in accordance with the specifications set out in DIN EN ISO 9001, DIN EN ISO 14001 and DIN EN ISO 50001 documents the high performance levels of our quality objectives, environmental protection measures and the measures taken to save energy and reduce CO_2 emissions.

VS has been committed to the principles of the Global Compact since September 2008. The principles of the United Nations regarding human rights, working conditions, the environment and the fight against corruption.

Conformity:
VS's products comply with the REACH regulation and are also RoHS-compliant: they do not contain any materials from Annex XIV (1907/2006/EC) or the SVHC candidate list exceeding the limit value of 1000 ppm. Electrical components have been registered by VS under WEEE reg. no. DE 45470288 or by our suppliers in accordance with the German law on electrical and electronic equipment.

Contribution to building certifications:
VS products can help achieve desired building certification in accordance with LEED, WELL, etc. Depending on the selected products, points can be acquired relating to criteria in the fields of recycling/waste elimination or non-toxic constituents/low emissions. Evidence of this can be seen in the form of certificates such as GREENGUARD GOLD or BIFMA e3 level.

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Disclaimer:
Because these are manufacturers' specifications, no liability is accepted! The results of the lifecycle assessments have not been verified.