

freedom® Features & Characteristics

Humanscale®

With Freedom, the knobs, levers and locks of current-generation task chairs have been replaced by intelligent mechanisms that automatically support the body as it moves from task to task. By minimizing the need for manual controls, Freedom maximizes natural, spontaneous movement, which is essential for a healthy body and a comfortable day's work. Freedom's many features can be enjoyed with virtually no effort.



PHYSICAL CHARACTERISTICS

CUSHIONS

- Molded polyurethane foam cushions
- Optional arm pads and seat have top layer of Technogel®
- Upholstered with a variety of materials customized to the unique form of the cushion

CUSHION PANS, ARMREST SUPPORTS, HEADREST FRAME AND FIVE-ARM BASE

- Injection-molded, structural, integral color plastics

EXTERNAL FRAME AND OPTIONAL BASE UPGRADE

- Die-cast aluminum with fused plastic coating or polished aluminum finish

STORED ENERGY DEVICES

- Nitrogen-charged gas cylinder for adjustable seat height
- Coil spring in the self-adjusting recline mechanism
- Elastomer spring in the pivoting backrest

OPTIONAL FOOT RING

- Chrome-plated steel ring

ENVIRONMENTAL HIGHLIGHTS

- Weighs as little as 43 lbs., minimizing resources used in shipping
- Made of 90 parts (comparable chairs are made of up to 250 parts)
- Modular cushions for easy replacement
- Designed for easy disassembly with clear recycling guidelines
- Ships in recycled packaging, or blanket-wrapped, when feasible
- GREENGUARD and BIFMA level® 2 certified
- May contribute to LEED credits in a number of areas

freedom® Features & Characteristics

Humanscale®



STANDARD FEATURES

SELF-ADJUSTING RECLINE

- Intelligent counter-balance recline mechanism automatically provides the right amount of support through the full range of recline motion, regardless of user size and weight
- No tension springs to adjust
- No recline locks to set/release
- During recline, the angle between torso and legs opens up for better body function
- User maintains near-constant eye level during recline

PIVOTING BACKREST

- Extra motion of the backrest during recline automatically adjusts to the changing needs of the spine
- Provides up to 1" additional lumbar support when needed

SYNCHRONOUS ARMRESTS

- Revolutionary armrests move in tandem to eliminate uneven arm positioning
- Natural lift and release action for immediate repositioning without buttons or locks
- 6" range of vertical motion to accommodate all users and tasks
- Can be positioned below thigh level for close to table or desk work
- Attached to backrest so arms stay in same relation to body during recline
- Duron arm pad for durability and comfort

STANDARD CYLINDER

- Provides seat height range that accommodates 95% of the population

MODIFIED BACK SHELL

- Maintains desired height of the chair
- Adds stability and encourages fluid movement

CONTOURED CUSHIONS

- Carefully sculpted to match body contours
- Increased contact area reduces pressure points
- Modular for easy replacement

BODY FIT

- Size adjustable to fit more than 95% of the population
- Adjustments for fit-to-size:
 - Headrest: 5" vertical adjustment range
 - Seat Height: 5" adjustment range
 - Seat Depth: 2.25" adjustment range
 - Backrest/Lumbar Support Height: 3" adjustment range

HARD CASTERS

- 2.5" double-wheel casters for carpeted floors

OPTIONAL FEATURES

DYNAMIC HEADREST

- Position-sensitive headrest moves into place when you recline and out of the way when you sit upright
- 5" vertical adjustment to fit all users
- Moves in the natural arc of head/neck for perfect support through range of recline
- Contoured to cradle the head and neck in comfort

GEL SEAT CUSHION

- Non-degradable, non-compressible Technogel® layer on top of foam core
- Provides maximum pressure distribution
- Offers unmatched, long-term comfort

ARM PAD OPTION

- Flexible Duron
- Technogel® for optimal comfort

ADVANCED ARMRESTS

- Automatically lock in place
- Aesthetically align with Niels Diffrient's original design intent
- Improved functionality and durability

CYLINDER OPTIONS

- Low cylinder for small users
- Tall cylinder for very tall users
- High cylinder with foot ring
- Extra-high cylinder with foot ring (Saddle seat only)

FOOT RING

- Chrome finish
- Height-adjustable

CASTER OPTIONS

- 2.5" soft double-wheel casters for hard floors
- Non-rolling glides for fixed-location use
- 2.5" locking casters

FIREPROOFING

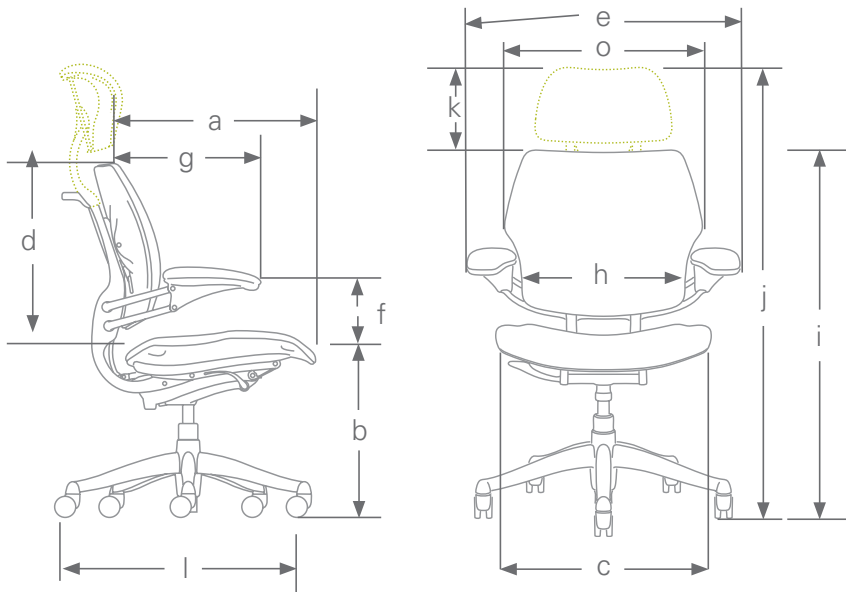
- CAL 133-approved
 - Fireproof barrier between textile and foam
 - Fire-retardant plastics

LEATHER STITCHING

- For leather textiles only
- Box-stitched design for added comfort and enhanced aesthetic

freedom[®] Specifications

TASK CHAIR



SCOPE OF USERS

- Standard chair fits more than 95% of the office population
 - 5'0" Woman to 6'4" Man
 - 100 to 300 lbs.
- Users outside the standard range can be accommodated by
 - Low or Tall Cylinder
 - Advanced Armrests

WEIGHT

- 43 lbs. Standard Chair
- 45 lbs. Chair with Headrest
- 11 lbs. Saddle

BACKREST RECLINE

- 22° recline plus 7° backrest tilt

REFERENCE ANGLE BETWEEN SEAT AND BACK

- 100° to 129°

ADVANCED TASK ARMRESTS

- Horizontal angle change from elbow pivot point
 - 35° each armrest
 - Lockable in 5° increments

HEADREST RADIAL MOTION

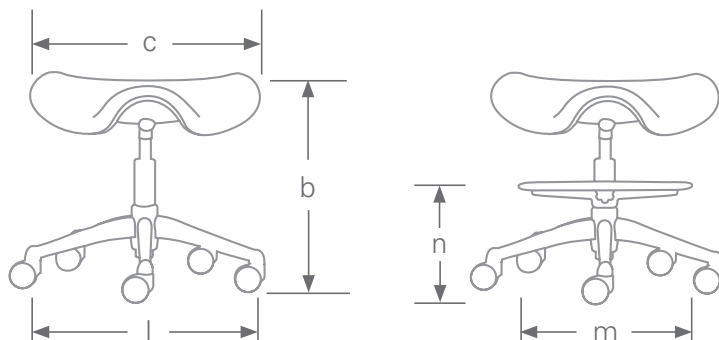
(automatic motion during recline)

- 30°

LUMBAR SUPPORT INCREASE IN RECLINE

- 1"

SADDLE SEAT



freedom[®] Specifications

CODE	DESCRIPTION	MEASUREMENT
a	seat depth <i>(from face of lumbar to front of seat)</i>	16.25" – 18.5"
b	seat height <i>(floor to compressed front center of seat cushion)</i>	16" – 21" standard chair 15.25" – 19" low-cylinder chair 17" – 22.25" tall-cylinder chair 20.5" – 28.5" high-cylinder chair 17.5" – 22.75" standard Saddle seat 20.25" – 28.25" high Saddle seat 23" – 33" extra-high Saddle seat
c	seat width	21" chair 22" Saddle seat
d	backrest height <i>(from seat cushion to top of backrest)</i> – adjustment range	18" – 21" 3" in 0.25" increments
e	chair width	27.25"
f	armrest height <i>(compressed seat cushion to top of armrest)</i> – adjustment range	5" – 11" 6" in 0.33" increments
g	armrest length <i>(from face of lumbar to front of armrest)</i>	13" standard 14.25" advanced
h	distance between armrests <i>(front inside edge)</i>	20" standard 11.5" – 21.5" advanced
i	height, task chair	33.5" – 41.5" standard chair 32.75" – 39.5" low-cylinder chair 34.5" – 42.75" tall-cylinder chair 38" – 49" high-cylinder chair
j	height, task chair with headrest	43" – 53" standard chair 42.25" – 51" low-cylinder chair 44" – 54.25" tall-cylinder chair 47.5" – 60.5" high-cylinder chair
k	headrest height adjustment range	5"
l	base diameter	25" chair, high or extra-high Saddle seat 22" standard Saddle seat
m	foot ring diameter	18" or 21"
n	foot ring height adjustment <i>(from floor)</i>	6" – 11"
o	backrest width	21"