
MDT-tex Design Line

WOODEN UMBRELLA TYPE H

DOUBLE CANOPY UMBRELLA TYPE AVH

SIDE-ARM UMBRELLA TYPE SAH

TULIP UMBRELLA TYPE EH

TENSION UMBRELLA TYPE S16

MDT-tex[®]

Membranes & Structures

www.mdt-tex.com



COMPANY

- PRODUCTS
- TYPE H
- TYPE AVH
- TYPE SAH
- TYPE EH
- TYPE S16

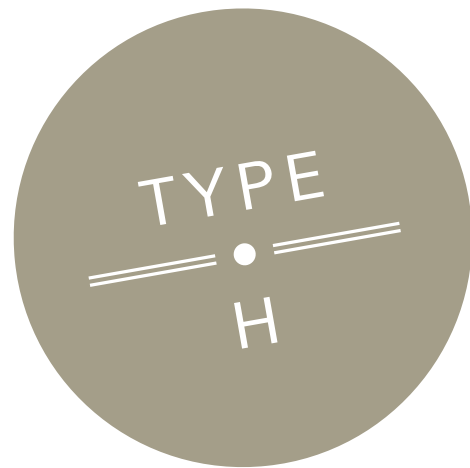
FABRIC

CONTACT DETAILS



As a medium-sized company based in Tägerwilen in Switzerland and Hardheim in Baden-Württemberg, Germany, we help create attractive outdoor living spaces with our high-quality sun-protection systems. For over 20 years, our in-house development and production has provided the foundation for our operations around the world. Over 20,000 square meters of production and storage space enable us to react to our customers' wishes with flexibility.

Our name, Membran-Design-Technik (membrane design technology), also illustrates our agenda: we use our considerable technical expertise to realize high-quality and sophisticated design. Our unique products are highly appreciated around the world for their form and function. People enjoy the free spaces that we open up far beyond our umbrellas: textile outdoor architecture.



- Struts and central pole are made of solid eucalyptus wood
- Multiple pulley system made of stainless steel
- Cover fastened with stainless-steel screws; easy to change
- Aluminium end caps on the spokes

Sizes

2x2m / 3x3m

Ø 2.5m / Ø 3m / Ø 4m

WOODEN UMBRELLA TYPE H



WOODEN UMBRELLA

MDT wooden sunshades are still considered one of the most elegant umbrellas with a nostalgic flair that are available today. Every single piece is handcrafted from high-quality eucalyptus wood. All connecting elements are made of rust-proof metal. Wooden umbrellas are extremely popular in front of older style buildings and are also perceived as a warm contrast to modern architecture and exclusive outdoor food service locations.

WOODEN UMBRELLA TYPE H

TYPE H
WOODEN
UMBRELLA



FRAME

Struts are made out of eucalyptus wood 17x28--17x35 mm, rounded edges, center pole 35--58 mm in diameter, turning pieces made out of laminated eucalyptus wood which have been smoothed, polished and glued multiple times, B3/B4 wood quality.

MECHANICS

Double pulley system, marine-grade surgical steel pulley and metal parts for increased durability and stability, integrated locking pin.

COVER

MDT-tex® 300
Solution dyed
PES Polyacrylate - Acryl fabric.
Weight ca. 300 g/m², water column pressure over 350 mm



Round Square Top Struts Pulley

ANCHORINGS

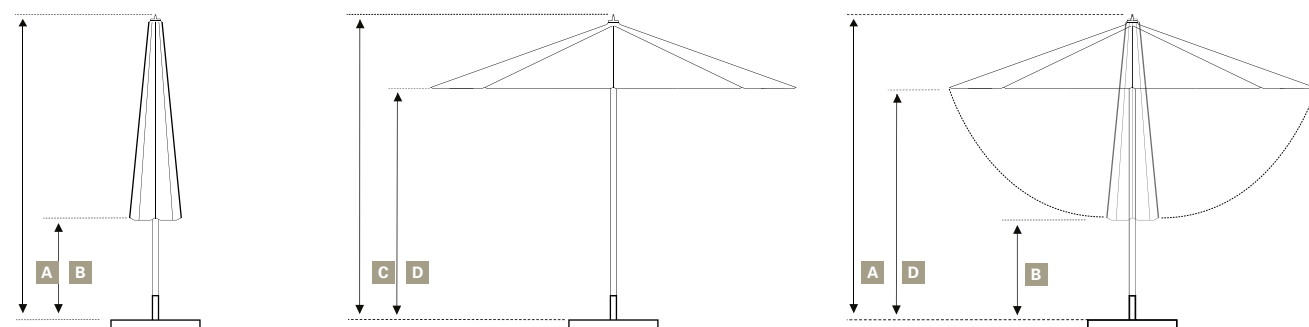


Steel plate stand Concrete base

ACCESSORIES








Protection sleeve



DIMENSIONS ARE IN METERS

*all measurements are rounded

					
	2x2	3x3	Ø2,5	Ø3	Ø4
MASS					
Umbrella with packaging (kg)	7,5	23	9,5	17,1	21,4
Umbrella without packaging (kg)	6,5	20	8,5	15,9	19,9
Frame (kg)	5,2	16	6,5	12,5	16,8
Cover (kg)	1,3	4	2	2,4	3,1

DIMENSIONS OF CLOSED UMBRELLA

A Closed height (cm)	240	295	250	300	300
B Distance from spokes to ground (cm)	98	70	116	85	85

DIMENSIONS OF OPEN UMBRELLA

C Opened height (cm)	240	295	250	300	300
D Ride height until end of struts (cm)	192	220	200	220	220

PACKAGING DIMENSIONS

Total length (cm)	240	295	250	300	300
Dimensions of cardboard packaging (cm)	25x25x240	25x25x240	25x25x240	25x25x240	25x25x250
Length of mast extruding from box (cm)	-	55	10	60	50

ACCESSORIES

Concrete base Article No.	Type 038/50 01847-D	Type 058/70 05761	Type 038/50 01847-D	Type 058/70 05761	Type 058/70 05761
Flat steel plate base Article No.	-	Type 060/75 15059 white 15060 anthracite	-	Type 060/75 15059 white 15060 anthracite	Type 060/75 15059 white 15060 anthracite
Additional plate for steel plate Article No.	-	40 kg 15061 (white) 15062 (anthracite)	-	40 kg 15061 (white) 15062 (anthracite)	40 kg 15061 (white) 15062 (anthracite)
Lever for the steel plate Article No.	-	12174	-	12174	12174
Protection sleeve size Article No.	XS 01686 weiß 11471 anthrazit	XS 01686 white 11471 anthracite	XS 01686 weiß 11471 anthrazit	XS 01686 white 11471 anthracite	XS 01686 white 11471 anthracite

all dimensions + weights given are approximate

Opening and closing with multiple pulley system

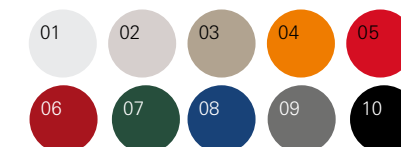


MATERIALS, PAINTS

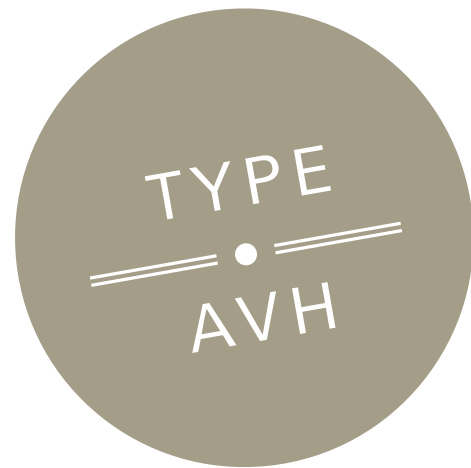
MDT-tex® 300

PES-POLYACRYLATE ACRYL FABRIC

For all dimensions.
For all types of umbrellas.



- 01: M 00-A white
- 02: M 21-A beige
- 03: M 22-A dark beige
- 04: M 11-A yellow
- 05: M 31-A red
- 06: M 35-A bordeaux
- 07: M 42-A dark green
- 08: M 52-A navy blue
- 09: M 81-A anthracite
- 10: M 91-A black



- New innovative design with a double membrane.
- Integrated internal lighting technology.
- Striking and functional for all seasons.
- Internal water drain for area drainage.
- Wind resistant up to 40 km/h (25 mph) with proper anchoring.

Sizes

3x3m

DOUBLE CANOPY UMBRELLA TYPE AVH



DOUBLE CANOPY UMBRELLA

In the course of the constant development of our product line this umbrella – offering a striking design both in daytime and at night – has been developed. Through its new and innovative design with a double membrane and an internal, built-in lighting it helps to create new options of freedom when it comes to outdoor areas. This Umbrella is given a functional value through its integrated rain gutter which consequently leads the water into the ground by a drainage. An interesting effect is caused by the chromed mast at night. This Umbrella is effective and functional in any season.

- Rain drain

DOUBLE CANOPY UMBRELLA TYPE AVH



TYPE AVH
DOUBLE
CANOPY
UMBRELLA

FRAME

Umbrella spokes are made of rectangular aluminium sections of 30x20x2 mm. The mast is made of a round aluminium section of 60 mm in diameter. The aluminium telescope has section dimensions of 30x30x2 mm. The top plate and the crown are made with U-profiles out of aluminium to house the struts. All parts are screwed together and the frame is powder coated (Polyester powder ca. 80 µ).

- White RAL 9010 (standard)
- Anthracite DB 703 MT GL PE

MECHANICS

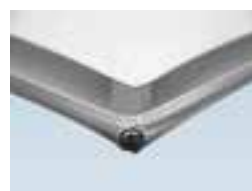
The tension mechanism of the umbrella is operated by an aluminium handle that controls an inner pulley system.

COVER

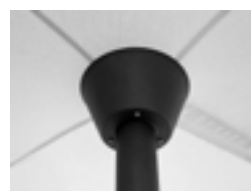
MDT-tex® 300
Solution dyed
PES Polyacrylate - acryl fabric.
Weight ca. 300 g/m², water column pressure over 350 mm



Square



Rain gutter



Pole to membrane



Struts



Tension handle

ANCHORINGS



Frame base



Steel plate stand

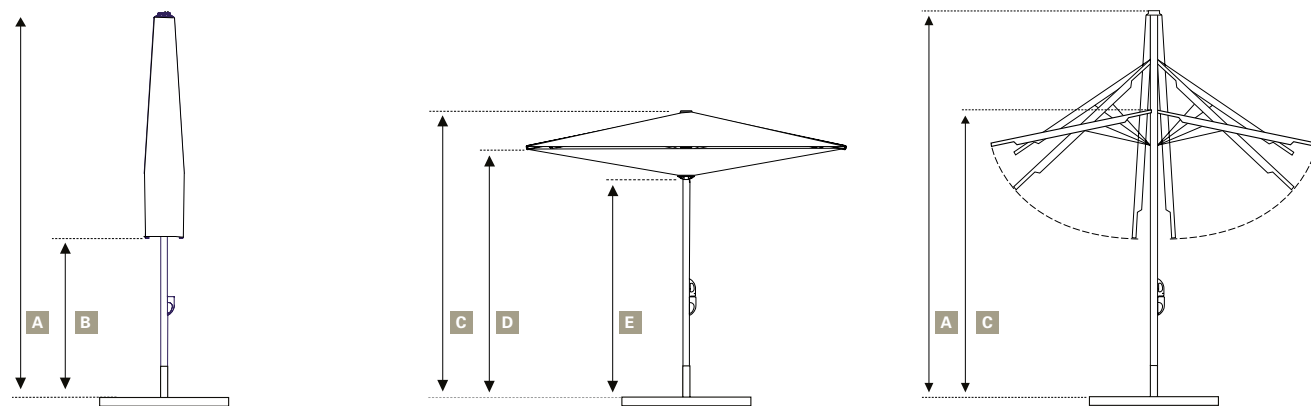


Ground tube

ACCESSORIES



Protection sleeve



DIMENSIONS ARE IN METERS

*all measurements are rounded



3x3

MASS

Umbrella with packaging (kg)	27
Umbrella without packaging (kg)	24
Frame (kg)	20
Cover (kg)	4

DIMENSIONS OF CLOSED UMBRELLA

A Closed height (cm)	355
B Distance from spokes to ground (cm)	145

DIMENSIONS OF OPEN UMBRELLA

C Opened height (cm)	265
D Ride height until end of struts (cm)	225
E Height to funnel (cm)	200

PACKAGING DIMENSIONS

Total length (cm)	355
Dimensions of cardboard packaging (cm)	25x25x250
Length of mast extruding from box (cm)	105

ACCESSORIES

Adapter Article No.	Type 060 12542 (white) 12544 (anthracite)
Frame base Article No.	Type 060/508 12547 (white) 12549 (anthracite)
Cover for frame base Article No.	Type 080 12539 (white) 12540 (anthracite)
Inground tube Article No.	Type 060 12541 (white) 11543 (anthracite)
Protection sleeve size Article No.	S 01687 (white) 11472 (anthracite)

all dimensions + weights given are approximate

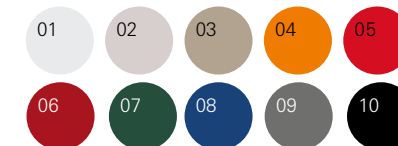


MATERIALS, PAINTS

MDT-tex® 300

PES-POLYACRYLATE ACRYL FABRIC

For all dimensions.
For all types of umbrellas.



- 01: M 00-A white
- 02: M 21-A beige
- 03: M 22-A dark beige
- 04: M 11-A yellow
- 05: M 31-A red
- 06: M 35-A bordeaux
- 07: M 42-A dark green
- 08: M 52-A navy blue
- 09: M 81-A anthracite
- 10: M 91-A black



- Enjoy spacious freedom under a sidearm umbrella.
- Easy handling through a hand crank.

Sizes

3x3m



SIDE-ARM UMBRELLA

MDT-tex introduces a premium range of technical parasols, specifically tuned to customers that require an aesthetic touch to our wind-stable umbrellas. The side-arm umbrella is ideally used for open spaces with pathways or to optimise seating arrangements, offering unrestricted space underneath the area of cover.

The new Home collection offers several advantages over our classic line including strong and lightweight extruded hubs, fabric protecting corner caps and a simpler and lighter tensioning system. The new range of umbrellas set a new standard in terms of aesthetics and functionality without compromising on the quality standards that exist in our industrial ranges.

- Max. wind speed 25 mph



FRAME

Umbrella spokes are made of rectangular aluminium sections of 30 x 20 x 2 mm. The mast is made of a oval aluminium section of 140x100 mm. Connecting hubs are made of extruded aluminium high strength profile. All parts are screwed together and the frame, the end caps, acorn, hub and the handle is powder coated (Polyester powder ca. 80 µ).

- White RAL 9010 (standard)
- Anthracite DB 703 MT GL PE

MECHANICS

The tension mechanism of the umbrella is operated by a crank handle that controls an internal telescope system.

COVER

MDT-tex® 300
 Solution dyed
 PES Polyacrylate - acryl fabric.
 Weight ca. 300 g/m², water column pressure over 350 mm



Sqaure



Pole



Connection



Struts



Upper-hub

ANCHORINGS

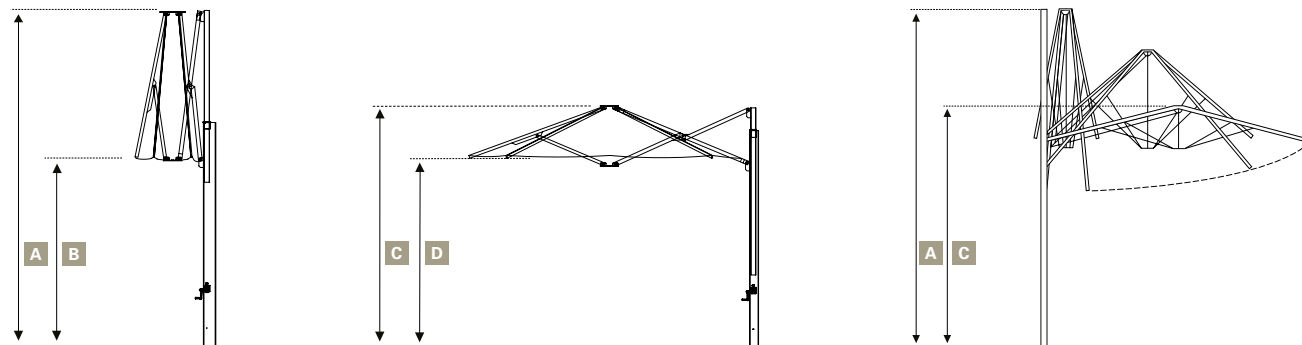


Ground tube

ACCESSORIES



Protection sleeve



DIMENSIONS ARE IN METERS

*all measurements are rounded



3,14x3,05

MASS

Umbrella with packaging (kg)	53
Umbrella without packaging (kg)	49
Frame (kg)	44
Cover (kg)	5

DIMENSIONS OF CLOSED UMBRELLA

A Closed height (cm)	380
B Distance from spokes to ground (cm)	170

DIMENSIONS OF OPEN UMBRELLA

C Opened height (cm)	275
D Ride height until end of struts (cm)	230

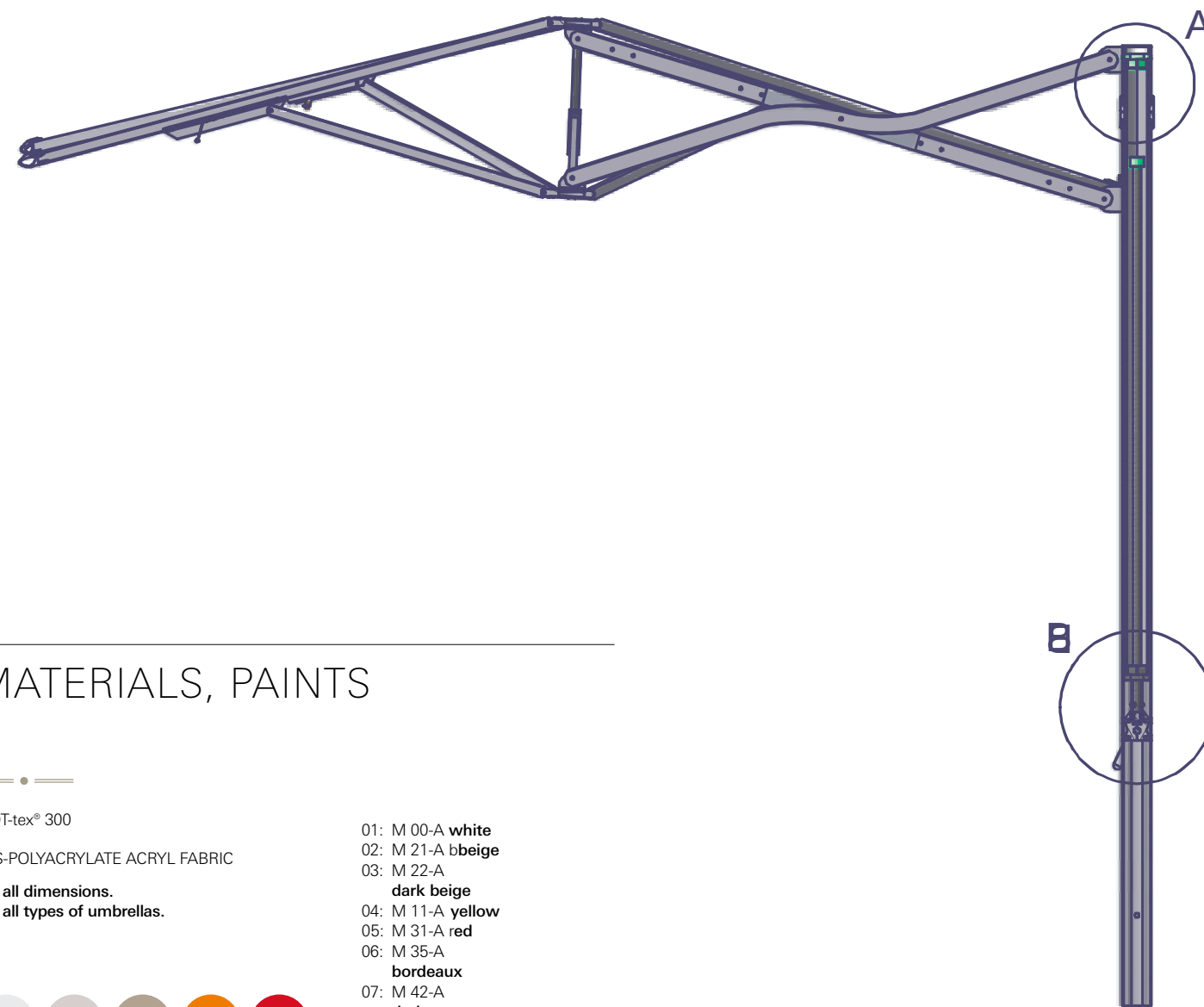
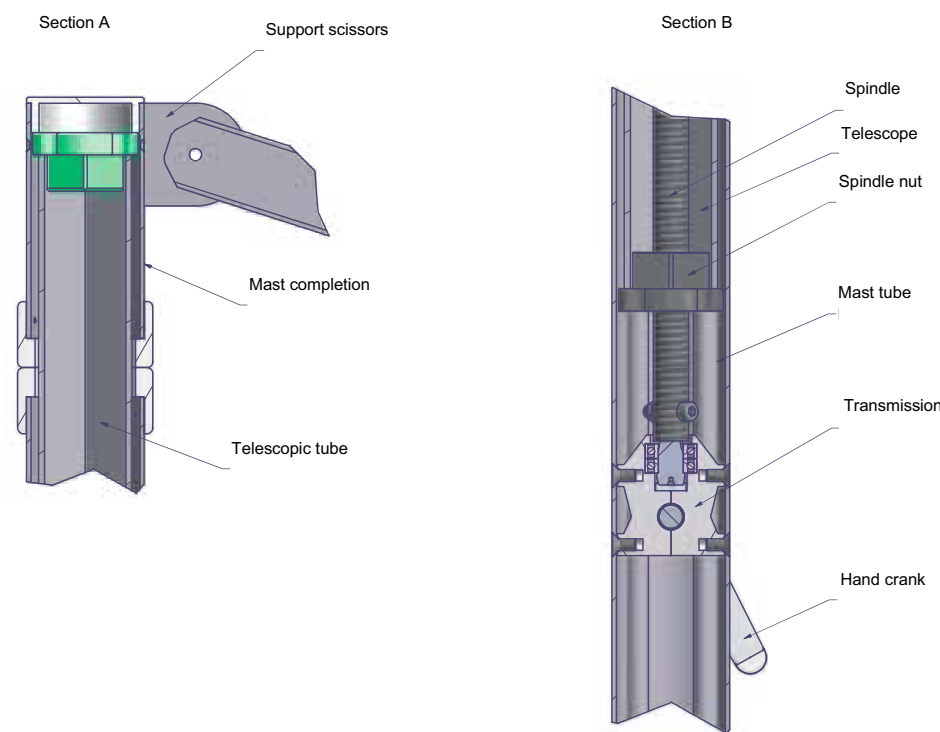
PACKAGING DIMENSIONS

Total length (cm)	380
Dimensions of cardboard packaging (cm)	40x40x360
Length of mast extruding from box (cm)	20

ACCESSORIES

Adapter Article No.	Type SA 10760-D
Inground tube Article No.	Type SA 07258
Protection sleeve size Article No.	M 11471

all dimensions + weights given are approximate



MATERIALS, PAINTS

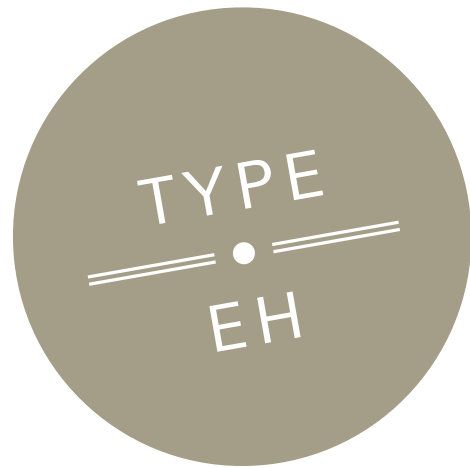
MDT-tex® 300

PES-POLYACRYLATE ACRYL FABRIC

For all dimensions.
For all types of umbrellas.

- 01: M 00-A white
- 02: M 21-A beige
- 03: M 22-A dark beige
- 04: M 11-A yellow
- 05: M 31-A red
- 06: M 35-A bordeaux
- 07: M 42-A dark green
- 08: M 52-A navy blue
- 09: M 81-A anthracite
- 10: M 91-A black





- Can be opened and closed either manually or electrically.
- Easy anchoring.
- Technically easy replacement of the membrane.
- Wind resistant up to 40 km/h (25 mph) with proper anchoring.

Sizes

2.5x2.5m / 3x3m

Ø 2.5m / Ø 3m



TULIP UMBRELLA

Tulip umbrellas, with their unique shape as round or square “flower silhouettes”, can be arranged in groups or set up to stand out as an individual design. This uniqueness can be further emphasized with stylish or personalized printing on the membrane. When it rains, the water is drained through the center pole either into the ground or via a drainage system, depending on the given conditions.

- Automatically unfolds and closes
- Rain drain

TULIP UMBRELLA TYPE EH

TYPE EH
TULIP
UMBRELLA



FRAME

Umbrella spokes are made of aluminium T-sections of 40x40x4 mm. The support Struts are made out of aluminium bars 30x20x2 mm. The mast is made of a round aluminium section of 60x3 mm in diameter. The aluminium telescope has section-dimensions of 30x30x3 mm. The crown is made of PVC. All parts are screwed together and the frame is chromium-plated.

- White RAL 9010 (standard)
- Anthracite DB 703 MT GL PE

MECHANICS

The tension mechanism of the umbrella is operated by an aluminium handle that controls an inner pulley system.

COVER

MDT-tex® 300
Solution dyed
PES Polyacrylate - acryl fabric.
Weight ca. 300 g/m², water column pressure over 350 mm



Round



Square



Top



Struts



Tension handle

ANCHORINGS



Frame base



Ground tube

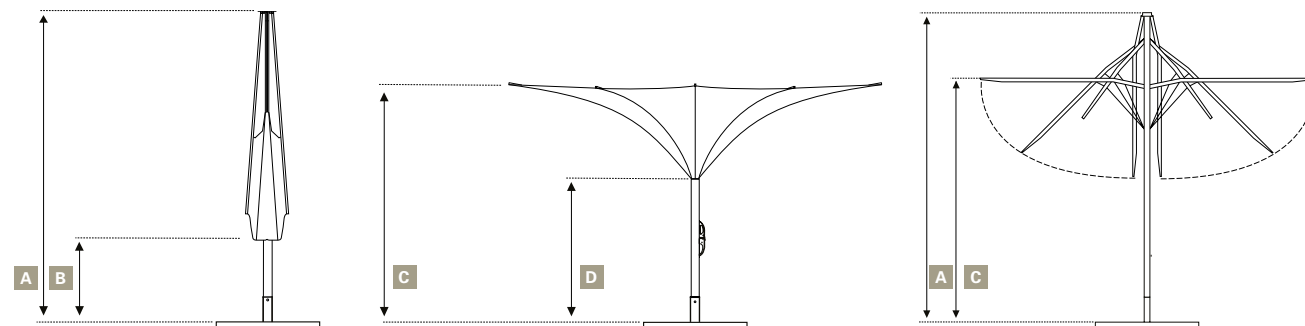


Steel plate stand

ACCESSORIES







Protection sleeve







DIMENSIONS ARE IN METERS

*all measurements are rounded





MASS

	 2,5x2,5	 3x3	 Ø2,5	 Ø3
Umbrella with packaging (kg)	25	33	27	31
Umbrella without packaging (kg)	22	30	24	28
Frame (kg)	20	28	23	26
Cover (kg)	4	4	4	4





DIMENSIONS OF CLOSED UMBRELLA

	 2,5x2,5	 3x3	 Ø2,5	 Ø3
A Closed height (cm)	355	390	355	390
B Distance from spokes to ground (cm)	180	180	230	240

DIMENSIONS OF OPEN UMBRELLA

	 2,5x2,5	 3x3	 Ø2,5	 Ø3
C Opened height (cm)	285	305	285	305
D Height to funnel (cm)	200	200	200	200

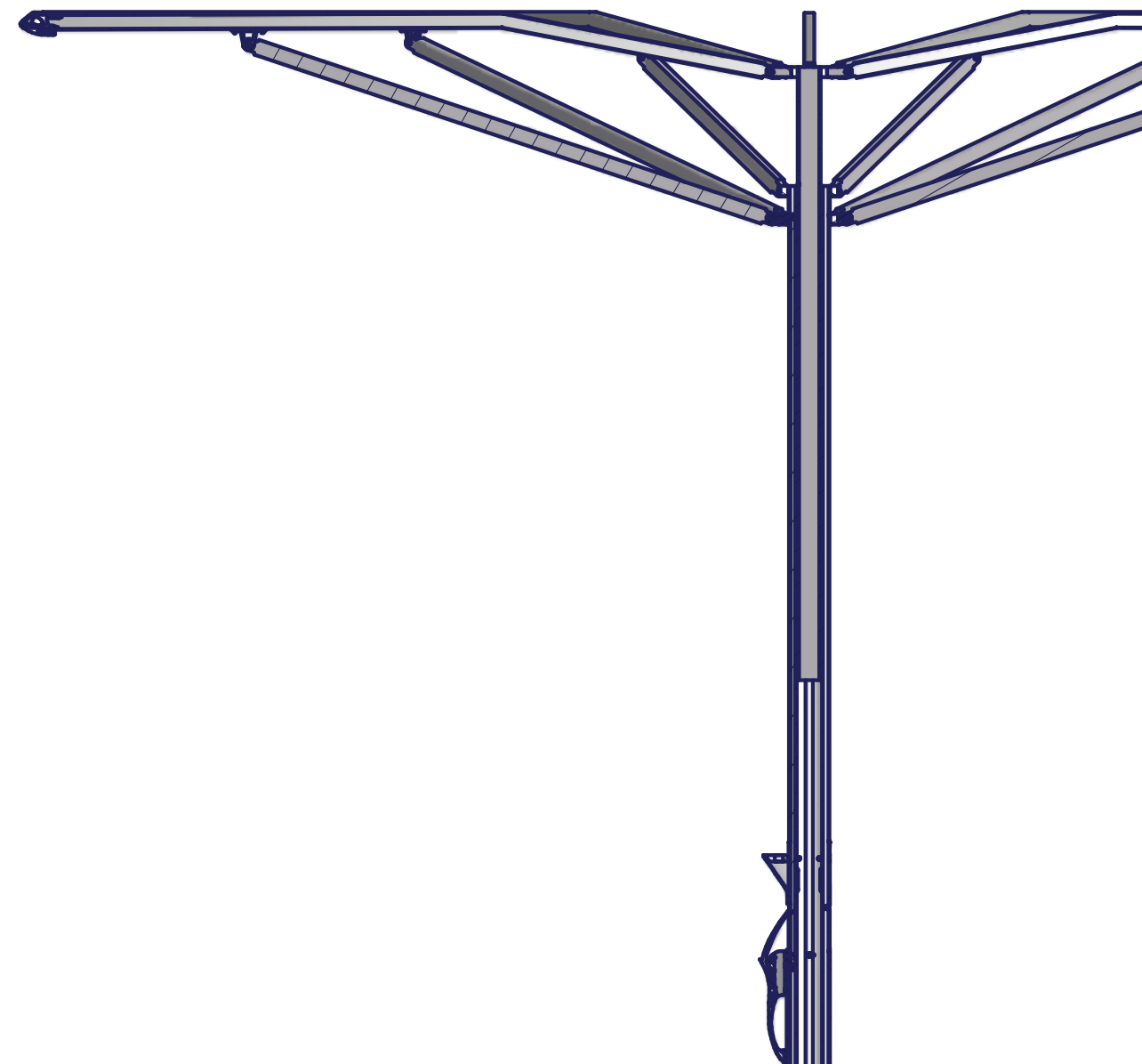
PACKAGING DIMENSIONS

	 2,5x2,5	 3x3	 Ø2,5	 Ø3
Total length (cm)	355	390	355	390
Dimensions of cardboard packaging (cm)	30x30x250	30x30x250	30x30x250	30x30x250
Length of mast extruding from box (cm)	105	140	105	140

ACCESSORIES

Adapter Article No.	Type 060 12542 (white) 12544 (anthracite)	Type 060 12542 (white) 12544 (anthracite)	Type 060 12542 (white) 12544 (anthracite)	Type 060 12542 (white) 12544 (anthracite)
Frame base Article No.	Type 060/505 12546 (white) 12547 (anthracite)	Type 060/508 12547 (white) 12549 (anthracite)	Type 060/505 12546 (white) 12547 (anthracite)	Type 060/508 12547 (white) 12549 (anthracite)
Cover for frame base Article No.	Type 060 11485 (white) 11486 (anthracite)	Type 080 12539 (white) 12540 (anthracite)	Type 060 11485 (white) 11486 (anthracite)	Type 080 12539 (white) 12540 (anthracite)
Inground tube Article No.	Type 060 12541 (white) 11543 (anthracite)	Type 060 12541 (white) 11543 (anthracite)	Type 060 12541 (white) 11543 (anthracite)	Type 060 12541 (white) 11543 (anthracite)
Protection sleeve size Article No.	S 01687 (white) 11472 (anthracite)	S 11485 (white) 11486 (anthracite)	SX 01686 (white) 11471 (anthracite)	S 11485 (white) 11486 (anthracite)

all dimensions + weights given are approximate

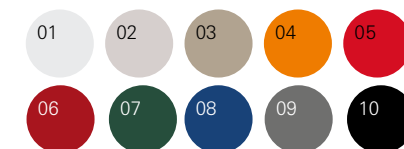


MATERIALS, PAINTS

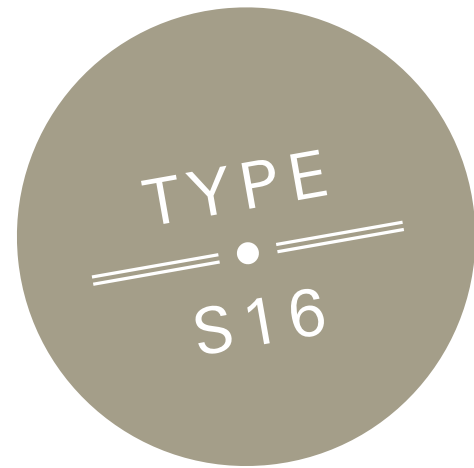
MDT-tex® 300

PES-POLYACRYLATE ACRYL FABRIC

For all dimensions.
For all types of umbrellas.

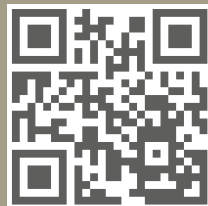


- 01: M 00-A white
- 02: M 21-A beige
- 03: M 22-A dark beige
- 04: M 11-A yellow
- 05: M 31-A ed
- 06: M 35-A bordeaux
- 07: M 42-A dark green
- 08: M 52-A navy blue
- 09: M 81-A anthracite
- 10: black



- Functional aluminium umbrella with design elements.
- It is easy to open and close using a sliding mechanism.
- Locking by means of hooks in the mast.
- Wind resistant up to 60 km/h (37 mph) with proper anchoring.

Sizes
2.5x2.5m / 3x3m
Ø 3m



MOVIE TYPE S16



ALUMINUM UMBRELLA TYPE S16



ALUMINUM UMBRELLA

MDT-Tex introduces a premium range of technical parasols, specifically tuned to customers that require an aesthetic touch to our wind-stable umbrellas. The new Home collection offers several advantages to our classic line including strong and lightweight extruded hubs, fabric protecting corner caps, a simpler and lighter tensioning system and sleek frame-base covers for mobile units. The new range of umbrellas set a new standard in terms of aesthetics and functionality without compromising any of the strength and quality standards that exist in our industrial ranges.

ALUMINUM UMBRELLA TYPE S16

TYPE S16
ALUMINUM
UMBRELLA



FRAME

Umbrella spokes are made of rectangular aluminium sections of 30 x 20 x 2 mm. The mast is made of a round aluminium section of 60 mm. The aluminium telescope has section dimensions of 30 x 30 x 3 mm. Strut connecting hubs are made of extruded aluminium high strength profile. All parts are screwed together and the frame, the end caps, acorn, hub and the handle (anthracite) is powder coated (Polyester powder ca. 80 µ).

- White RAL 9010 (standard)
- Anthracite DB 703 MT GL PE

MECHANICS

The tension mechanism of the umbrella is operated by an aluminium handle with zinc coated spring steel strap that controls an internal telescope system.

COVER

MDT-tex® 300
Solution dyed
PES Polyacrylate - acryl fabric.
Weight ca. 300 g/m², water column pressure over 350 mm



Round Struts Top End caps Handle

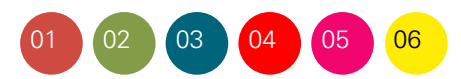
ANCHORINGS



Ground tube Concrete base Flat Steel base

ACCESSORIES

Special Colors
Powder coating
for end caps and handle



- 01 // RAL 3033 pearl pink
- 02 // RAL 6013 reed green
- 03 // RAL 5025 pearl gentian blue
- 04 // RAL 3026 luminous bright red
- 06 // RAL 1026 luminous yellow



Protection sleeve

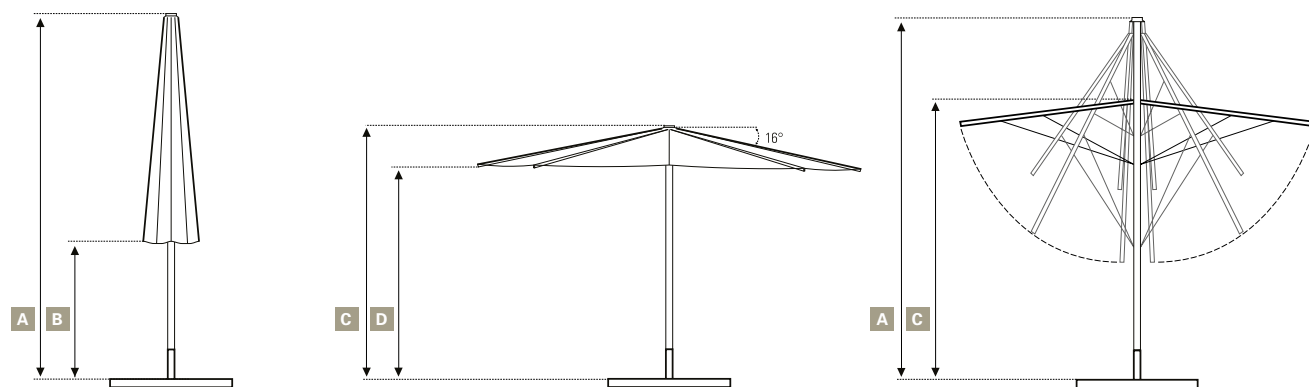


Handle



Spoke End Caps

STANDARD SIZES



DIMENSIONS ARE IN METERS
*all measurements are rounded

	2,5x2,5	3x3	Ø3
MASS			
Umbrella with packaging (kg)	16.5	22.5	18.5
Umbrella without packaging (kg)	14.3	18.5	15.7
Frame (kg)	12.4	15.6	13.5
Cover (kg)	1.9	2.9	2.2

DIMENSIONS OF CLOSED UMBRELLA

	2,5x2,5	3x3	Ø3
A Closed height (cm)	307	329	313
B Distance from spokes to ground (cm)	130	115	159

DIMENSIONS OF OPEN UMBRELLA

	2,5x2,5	3x3	Ø3
C Opened height (cm)	248	252	256
D Distance from spokes to ground (cm)	210	208	211

PACKAGING DIMENSIONS

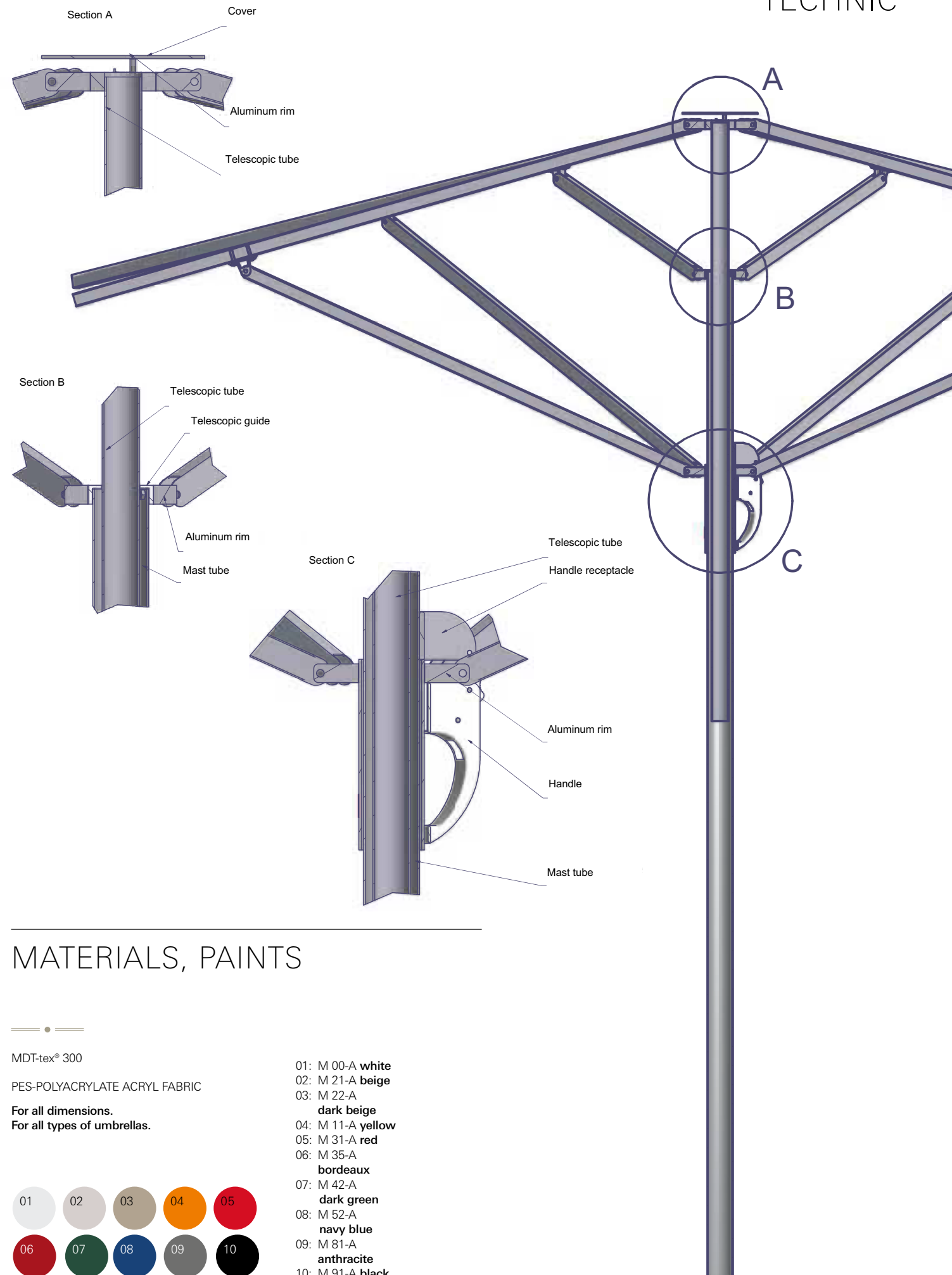
	2,5x2,5	3x3	Ø3
Total length (cm)	310	330	315
Dimensions of cardboard packaging (cm)	30x30x250	30x30x250	30x30x250
Length of mast extruding from box (cm)	60	80	65

ACCESSORIES

Adapter Article No.	Type 060 07624 (white) 14312 (anthracite)	Type 060 07624 (white) 14312 (anthracite)	Type 060 07624 (white) 14312 (anthracite)
Inground tube (build-in part and adapter) Article No.	Type 060 16788 (white) 16789 (anthracite)	Type 060 16788 (white) 16789 (anthracite)	Type 060 16788 (white) 16789 (anthracite)
Concrete base incl. Adapter Article No.	70 kg 16792 (white) 16793 (anthracite)	70 kg 16792 (white) 16793 (anthracite)	70 kg 16792 (white) 16793 (anthracite)
Flat steel base incl. Adapter Article No.	Type 060 / 70 kg 16790 (white) 16791 (anthracite)	Type 060 / 70 kg 16790 (white) 16791 (anthracite)	Type 060 / 70 kg 16790 (white) 16791 (anthracite)
Lever for Flat steel base Article No.	12174	12174	12174
Protection sleeve size Article No.	XS 11471 (anthracite)	S 14577 (anthracite)	S 14577 (anthracite)

all dimensions + weights given are approximate

TECHNIC



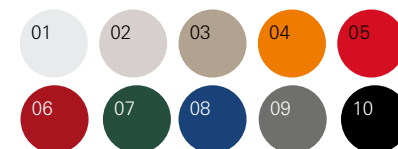
MATERIALS, PAINTS

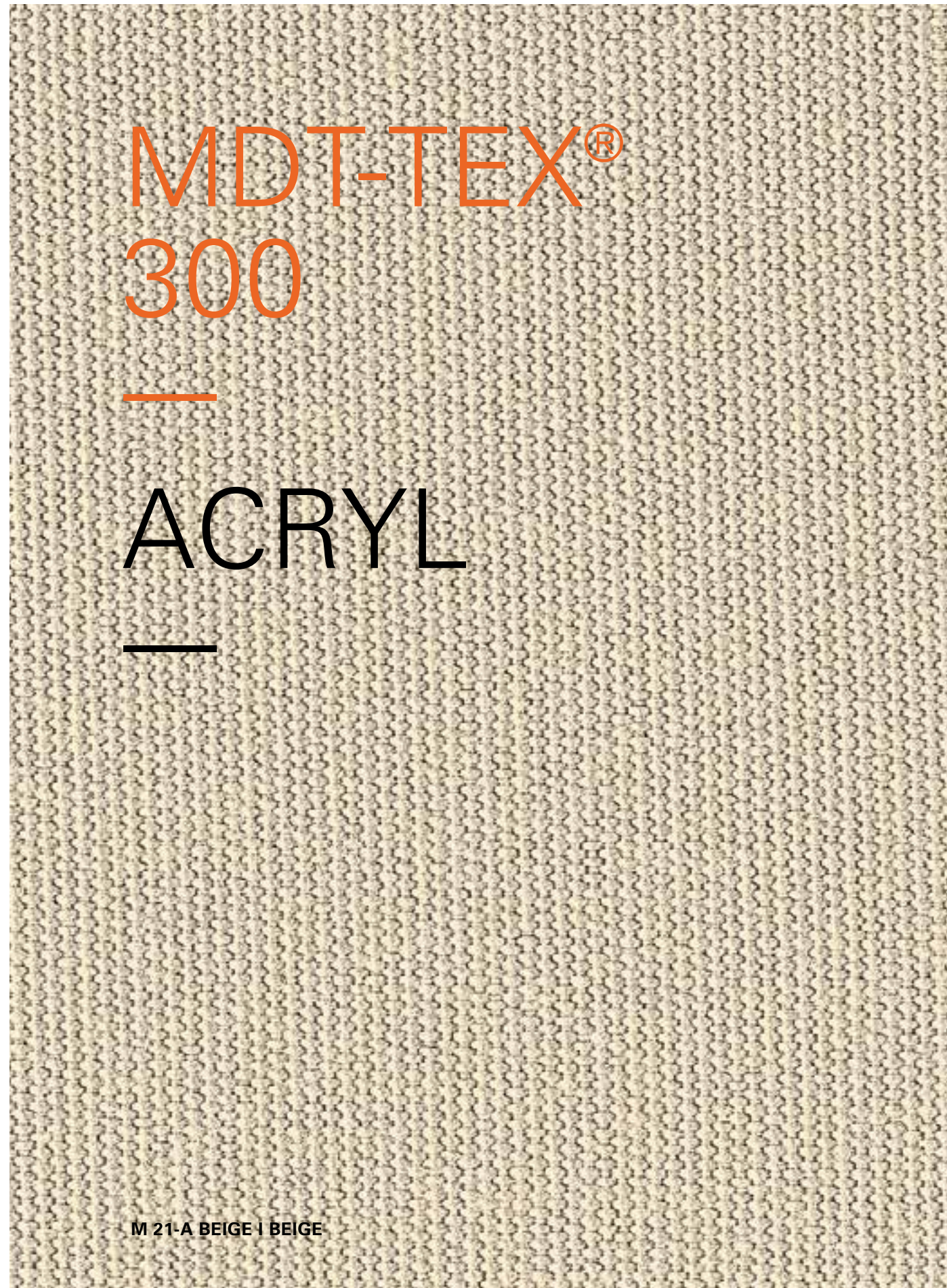
MDT-tex® 300

PES-POLYACRYLATE ACRYL FABRIC

For all dimensions.
For all types of umbrellas.












- 01: M 00-A white
- 02: M 21-A beige
- 03: M 22-A dark beige
- 04: M 11-A yellow
- 05: M 31-A red
- 06: M 35-A bordeaux
- 07: M 42-A dark green
- 08: M 52-A navy blue
- 09: M 81-A anthracite
- 10: M 91-A black





// MDT-TEX® 300

ACRYL - ACRYLIC 100%

	WERT / VALUE	KOMMENTAR / COMMENTS
HAUPTINFORMATIONEN / KEY DATA		
 TEXTIL TEXTILE	POLYACRYLAT POLYACRYLATE	
 BESCHICHTUNG COATING		Beschichtung gegen Schmutz und Wasser Fibres treated with water and grime repellent admixture
 GEWICHT WEIGHT	300 g/m ²	
FESTIGKEIT / STRENGTH		
 REISSFESTIGKEIT KETTE TEAR RESITANCE WARP	1450 N/5cm	DIN EN ISO 13934-1
 REISSFESTIGKEIT SCHUSS TEAR RESITANCE WEFT	900 N/5cm	DIN EN ISO 13934-1
 WEITERREISSFESTIGKEIT KETTE FURTHER TEARING WARP	40 N/5cm	DIN EN ISO 13934-1
 WEITERREISSFESTIGKEIT SCHUSS FURTHER TEARING WEFT	23 N/5cm	DIN EN ISO 13934-1
UMWELTEINFLÜSSE / ENVIRONMENTAL PERFORMANCE		
 WASSERSÄULE WATER COLUMN	>370 mm	ISO 811
 SPRÜHTEST SPRAY TEST	5/5	ISO 4920
 UV-FARBTON-BESTÄNDIGKEIT UV COLOUR RESISTANCE	7-8/8	ISO 105 B02
WEITERE INFOS / EXTRA DATA		
 KOLLAPSIBILITÄT COLLAPSIBILITY	TAUSENDE VON DURCHGÄNGEN THOUSANDS OF CYCLES	Gute Performance Good performance

Our newest acrylic yarns are already colored during the spinning process. In the course of a special wet spinning process, pigments are injected into the fiber during production. This manufacturing process is responsible for the overall great properties, such as intense, long-lasting and unique color brilliance. As a result, the fabric can be characterized by its high UV-resistance, its very good light-fastness and color-fastness compared to most other membranes.

The elongation of the woven fabric is identical in warp and weft direction. This is based on the special binding and yarn properties. The surface characteristics get increased by application of a water-resistance, mould resistance and dirt-repellency. A good flame retardancy is difficult to achieve for this material. Suitable mostly for small outdoor objects and where colour richness and stability is preferred.

MDT-tex[®]

Membranes & Structures

INFORMATION

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