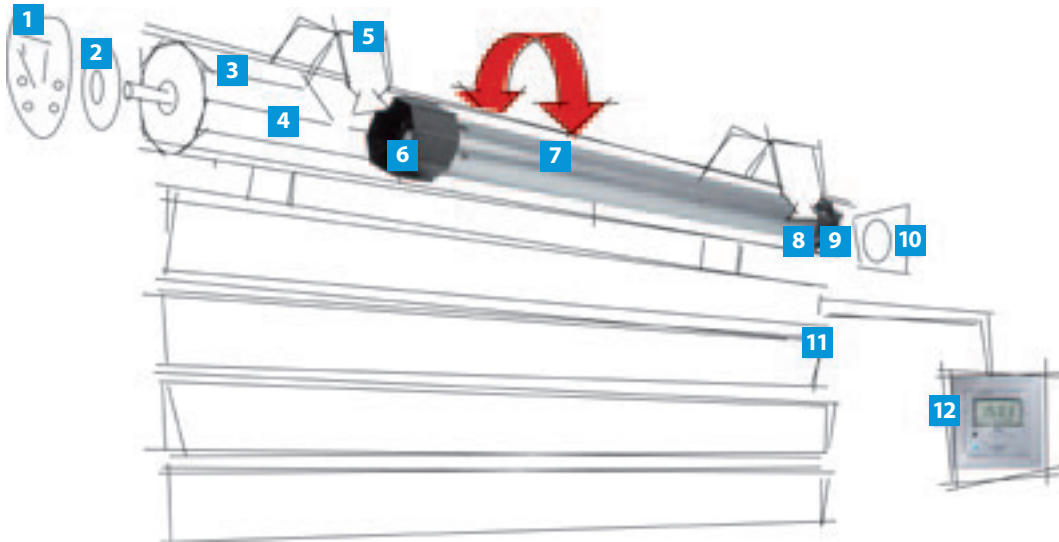


# RolloTube

Choosing the right drive

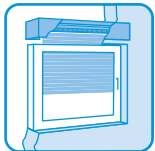
The operating principle



- 1 Counter bearing plate
- 2 Ball bearing
- 3 Roller capsule
- 4 Winding shaft
- 5 Tie
- 6 Drive adaptor
- 7 Tubular motor
- 8 Adaptor ring
- 9 Set button
- 10 Drive bearing
- 11 Roller shutter curtain
- 12 Controller

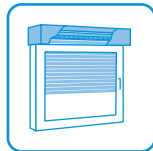
### Prefabricated roller shutter box

Prepared during carcassing.



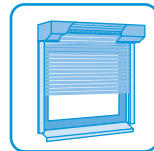
### Top box

Installed when fitting windows.



### Front box

For mounting later outside.



## Type designation RADEMACHER tubular motors

### RTXY MM/GGW

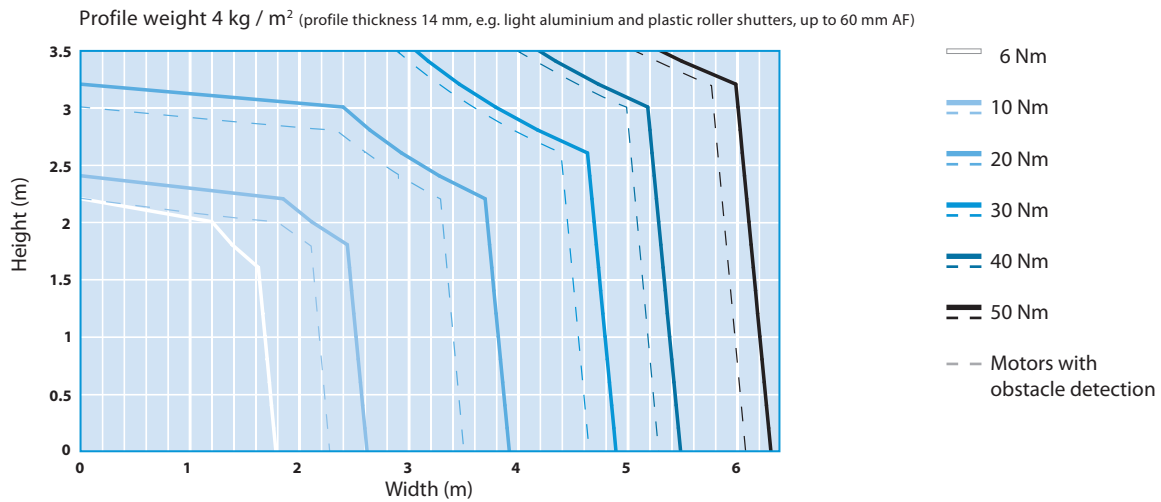
W:	H	Obstacle detection
	F	Wireless
	HK	Hand crank
	Z	Accessories, mounted
GG:		Speed in rpm
	MM:	Torque in Nm
Y:	S	Small (Ø 35 mm)
	M	Medium (Ø 45 mm)
	L	Large (Ø 60 mm)
X:	B	Basic
	S	Standard
	C	Comfort
RT		RolloTube (tubular motor)

## Examples:

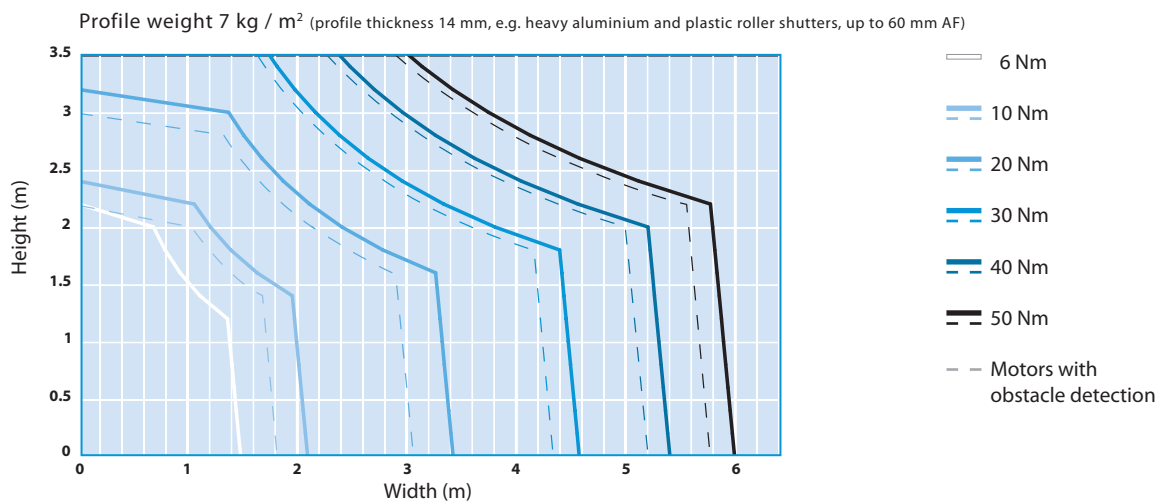
- **RTCM 20/12FH**  
RolloTube Comfort Medium, 20 Nm, 12 rpm with wireless and obstacle detection
- **RTSS 6/28**  
RolloTube Standard Small, 6 Nm, 28 rpm
- **RTBL 100/12HKZ**  
RolloTube Basic Large, 100 Nm, 12 rpm with hand crank and mounted accessories



## Selection aid for RolloTube tubular motors



The specifications are guideline values. The normal friction for roller shutters is taken into account.



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### Load table for tubular motors

Shaft diameter [mm]	40	40	50	50	60	60	60	60	70	70	78	78	85	85	108	108	125	125	
Roller shutter height [m]	1.4	2.2	1.4	2.2	1.4	2.2	1.4	2.2	1.4	2.2	1.4	2.2	1.4	2.2	2.2	3.0	2.2	3.0	
Profile thickness [mm]	8	8	8	8	8	8	14	14	14	14	14	14	14	14	19	19	19	19	
Torque	Max. shutter weight in kg																		
6 Nm	Nm	14	12	14	12	13	11	11	9										
10 Nm	Nm	26	22	25	21	24	21	20	16										
20 Nm	Nm			50	43	49	42	40	33	39	33	39	32	38	32				
30 Nm	Nm			80	68	77	66	63	53	62	52	61	52	60	51				
40 Nm	Nm			109	93	106	91	87	73	85	72	84	71	83	70				
50 Nm	Nm			138	117	134	115	110	92	108	91	106	90	105	89				
60 Nm	Nm									128	108	126	106	125	105	91	80	90	79
80 Nm	Nm									171	144	168	142	166	141	122	107	120	106
100 Nm	Nm									214	180	211	178	208	176	152	134	150	132
120 Nm	Nm									257	216	253	213	250	211	183	161	180	159

The specifications are guideline values; 10-15% reduced shutter weights for motors with obstacle detection. The normal friction for roller shutters is taken into account.