



Accessories for sprayer and foamer	410-411	Mosmatic car wash ceiling booms with LED	424
Brush holder	398	Mosmatic flex-brush wand – no more washing without coin slot!	399
CARWASH COMFORT DN 6	402-403	Mosmatic floor cleaner	417
CARWASH COMFORT DN 8	404	Mosmatic high RPM swivels DY-Series	434
Chemical spray guns ST-510 & lances	407	Mosmatic high RPM swivels DY-Series / WDRS	435
Coin meter	436-437	Mosmatic seal kits	434
easyclean365+ Gun	412-413	Mosmatic self-service air dryer	415
easyclean365+ microfibre cloths	413	Mosmatic surface cleaner with	
easywash365+ brush holder	398	air recovery system and integrated gum remover	417
easywash365+ car wash ceiling booms	419-420	Mosmatic swivels DGE / DGEI	433
easywash365+ car wash ceiling booms	422	Mosmatic swivels DGL	434
easywash365+ car wash ceiling booms with suspension	421	Mosmatic swivels DGS / DGV / DGK	433
easywash365+ foam lances	394	Mosmatic swivels DGVI	433
easywash365+ foam sets	395	Mosmatic swivels WDG	432
easywash365+ foam sets	396	Positioner	422
easywash365+ handles by Suttner	389	Protective gloves	401
easywash365+ holder	400	Quick couplings suitable for Nito system	441
easywash365+ lance holder	400	R+M car wash booms	427-428
easywash365+ lance swivels ST-345 by Suttner	389	R+M swivels	435
easywash365+ lances by Suttner	390-391, 393	Replacement hoses	422
easywash365+ mat cleaner	401	Replacement spring	422
easywash365+ spray guns by Suttner	386	Self-service lances	390
easywash365+ suction swivel arm	418	Shovels	441
easywash365+ swivels	432	Sleeves for windscreen wipers	401
easywash365+ vertical boom	418	Snowbrooms	441
easywash365+ wall and ceiling booms	426	Sprayer	408-409
easywash365+ wall boom extension with ceiling boom	425	Sprayer with pressure tank	410-411
easywash365+ wash brushes -		Suttner swivels	429-430
large areas are completely clean from now on!	397	Suttner swivels ST-320	431
Foam gun	412	Suttner swivels ST-322	431
Foamer with pressure tank	410-411	Swivels for easywash365+ ceiling booms	422
Handles with water flow	442	turbofoam365+ lances by Suttner	392
Handles without water flow	442	Underbody lance ST-97.1	416
Heated high pressure hoses (before 2005)	406	Vacuum cups	401
Heated low pressure hoses	405-406	Vorwerk lances & wash brushes	398
High pressure hoses for self-service washing bays	404	Wall mounts	422-441
High pressure spray guns for self-service car wash	387-388	Wash brushes	397-398
Hurricane	416	Wash brushes with water flow	438
Lance Mosmatic	390	Wash brushes without water flow	439-440
Low pressure pre-spraying unit	401	Wheel scrubber	400
Mosmatic air spinner system	414-415	Wheel scrubber WHEELBLASTER PRO	399
Mosmatic car wash ceiling booms	423	Window brushes and accessories	440-441

**easywash365+ spray guns by Suttner**

New freeze stop valves in **easywash365+** spray guns and freeze stop spray guns  
 Except for the valve screw the new valves are completely made out of stainless steel. Contrary to all common freeze stop valves the real body is

a hardened stainless steel ball. This difference significantly increases the robustness, reliability as well as preciseness in switching.

**easywash365+ standard**



**LTF**

Professional gun. Standard.  
 Max. 310 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
202 600 518	1/4" F	3/8" F swivel

**easywash365+ weep**



**LTF**

Professional gun. Weep version.  
 Max. 310 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
202 600 528	1/4" F	3/8" F swivel

**easywash365+ freeze stop**



**LTF**

Professional gun. Freeze stop version.  
 Max. 310 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
202 600 538	1/4" F	3/8" F swivel

**easywash365+ standard**



**LTF**

Professional gun with lance swivel ST-345.  
 Standard.  
 Max. 310 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
202 600 802	1/4" F	3/8" F swivel

**easywash365+ weep**



**LTF**

Professional gun with lance swivel ST-345. Weep version.  
 Max. 310 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
202 600 803	1/4" F	3/8" F swivel

**easywash365+ freeze stop**



**LTF**

Professional gun with lance swivel ST-345. Freeze stop version.  
 Max. 310 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
202 600 804	1/4" F	3/8" F swivel

**Valve complete - easywash365+**



Standard

<b>R+M Nr.</b>
202 300 490



Weep

<b>R+M Nr.</b>
202 300 491



Freeze stop

<b>R+M Nr.</b>
202 300 457

**ST-301 swivels**



1/4" F : 3/8" F. ST-2300

<b>R+M Nr.</b>
200 301 050



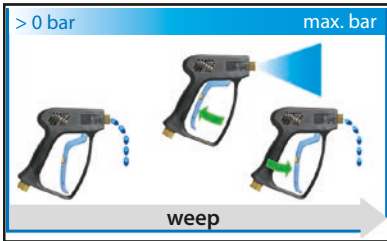
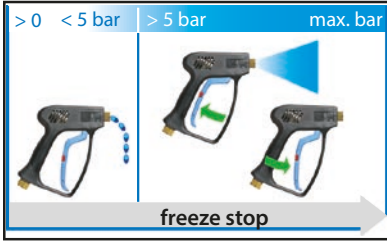
Repair kit ST-301

<b>R+M Nr.</b>
200 300 100

**LTF : Low Trigger Force** 90 % reduced holding force and 40 % reduced trigger force against usual market guns.

Symbols outlet inlet

**What is the difference between the versions freeze stop and weep?**



The picture illustrates the different effects regarding diverse winter safety methods of high pressure spray devices. The physical effect that liquids in motion tend to freeze to a lesser extent forms the basis of both versions. Therefore, both the weep as well as the freeze stop version let water pass through the valve (in case of different pressures and under the circumstances) even if the spray gun is closed in order to keep the water which is in piping, hose and spray device in motion.

The weep high pressure spray guns let a reduced water quantity pass through even if the trigger of the gun is not pulled as there is a notch in the seal seat of the valve. This is ensured in high pressure when the high pressure pump is in operation as well as in low pressure in case of water pipe pressure.

The so called freeze stop spray guns are equipped with a valve in valve technology. The operating valve which is driven by the spray gun trigger includes the real automatically operating freeze stop piston. For cleaning applications the spray gun is opened and closed as usual by the operating valve. The integrated freeze stop valve only comes into operation when there is low pressure (water pipe pressure). It is opened in a spring driven way if the pressure is lower than 5 bar. If the pressure increases e.g. by switching on the high pressure pump the freeze stop valve closes automatically. This improves the comfort of washing as there is no water coming out of the gun when taking it out of the lance holder.

**High pressure spray guns for self-service car wash**

ST-2300 freeze stop



Professional gun. Freeze stop version.  
Max. 310 bar / 45 l/min / 150 °C

R+M Nr.		
202 300 582	1/4" F	3/8" F swivel

ST-2300 weep



Professional gun. Weep version.  
Max. 310 bar / 45 l/min / 150 °C

R+M Nr.		
202 300 580	1/4" F	3/8" F

ST-2300 weep



Professional gun. Weep version.  
Max. 310 bar / 45 l/min / 150 °C

R+M Nr.		
202 300 581	1/4" F	3/8" F swivel

Valve complete ST-2300



Standard

R+M Nr.
202 300 490



Weep

R+M Nr.
202 300 491



Freeze stop

R+M Nr.
202 300 457

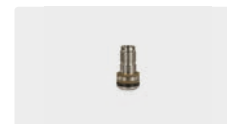
ST-301 swivels



1/4" F : 3/8" F. ST-2300

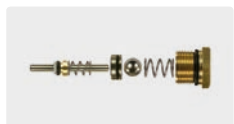
R+M Nr.
200 301 050

Seal kits



Repair kit ST-301

R+M Nr.
200 300 100



ST-1100

R+M Nr.
201 100 401

ST-1100 weep



Professional gun. Weep version.  
Max. 210 bar / 25 l/min / 150 °C

R+M Nr.		
201 100 535	1/4" F	3/8" F

ST-1100 weep



Professional gun. Weep version.  
Max. 210 bar / 25 l/min / 150 °C

R+M Nr.		
201 100 530	1/4" F	3/8" F swivel

ST-1100 without trigger



Professional gun without valve.  
Max. 210 bar / 25 l/min / 150 °C

R+M Nr.		
201 100 570	1/4" F	3/8" F swivel

High pressure spray guns for self-service car wash

ST-1500 freeze stop



Professional gun. Freeze stop version.  
Max. 275 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
201 500 580	1/4" F	3/8" F

ST-1500 freeze stop



Professional gun. Freeze stop version.  
Max. 275 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
201 500 581	1/4" F	3/8" F swivel

ST-1500 weep



Professional gun. Weep version.  
Max. 275 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
201 500 620	1/4" F	3/8" F

ST-1500 without trigger



Professional gun without valve.  
Max. 275 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
201 500 750	1/4" F	3/8" F

ST-601 linear standard



Standard.  
Max. 275 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
200 601 600	1/4" F	3/8" F

ST-601 linear freeze stop



Freeze stop version.  
Max. 275 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
200 601 601	1/4" F	3/8" F

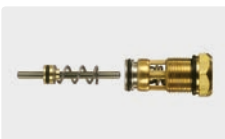
ST-601 linear weep



Weep version.  
Max. 275 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>		
200 601 602	1/4" F	3/8" F

Valves complete



<b>R+M Nr.</b>
202 000 044



<b>R+M Nr.</b>
202 000 101

Valve

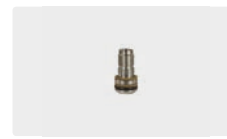


<b>R+M Nr.</b>
202 000 045

ST-300 swivels



<b>R+M Nr.</b>
200 300 050



<b>R+M Nr.</b>
200 300 100



## easywash365+ handles by Suttner



Stainless steel. Handle 20° bended.  
Max. 350 bar / 150 °C

<b>R+M Nr.</b>		
200 009 650	1/4" F	1/4" M



Stainless steel. Handle 20° bended.  
**easywash365+ blue.** Max. 350 bar / 150 °C

<b>R+M Nr.</b>		
200 009 655	1/4" F	1/4" M



Stainless steel. Handle 20° bended.  
Max. 350 bar / 150 °C

<b>R+M Nr.</b>		
200 009 665	1/4" F	1/4" M



Stainless steel. Handle 20° bended.  
Max. 350 bar / 150 °C

<b>R+M Nr.</b>		
200 009 657	1/4" F	M18 M (CEL)



Stainless steel. Handle 20° bended.  
Max. 350 bar / 150 °C

<b>R+M Nr.</b>		
200 009 659	M18 F (DKOL)	M18 M (CEL)



Stainless steel. Retrofit kit. M18 F (DKOL) : 1/4" M

<b>R+M Nr.</b>		
200 009 480		

## easywash365+ lance swivels ST-345 by Suttner

The **easywash365+** lance swivel guarantees improved ergonomics in the professional car wash and in the cleaning industry. The lance swivel is mounted between the brush lance or spray lance and the high pressure gun or the brush grip.



1/4" F : 1/4" M. 350 bar. Stainless.  
RAL 5005

<b>R+M Nr.</b>
200 345 520



1/4" F : 1/4" M. 350 bar. Stainless

<b>R+M Nr.</b>
200 345 530



1/4" F : 1/4" M. 350 bar. Stainless

<b>R+M Nr.</b>
200 345 500



1/4" F : 1/4" M. 350 bar. Stainless.  
**easywash365+ blue**

<b>R+M Nr.</b>
200 345 510

Symbols outlet inlet

**Lance Mosmatic**

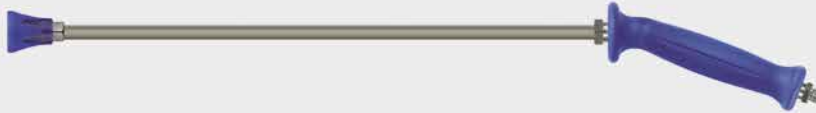
**new**



Stainless steel. Lance with filter sieve, hard plastic handle and nozzle protector without nozzle. Max. 275 bar / 45 l/min / 120 °C

<b>R+M Nr.</b>			
108 280 05	1/8" F NPT	750 mm	1/4" M

**easywash365+ lances by Suttner**



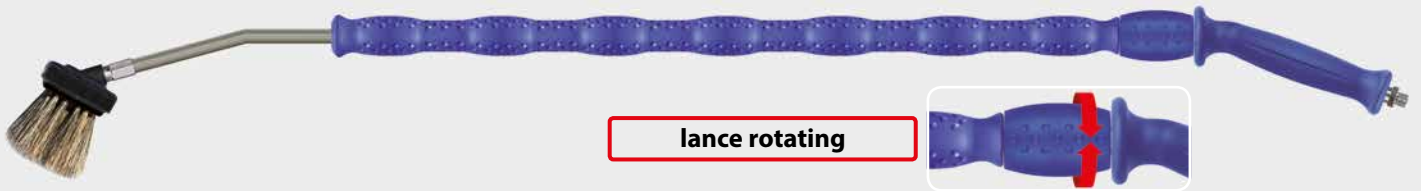
Stainless steel. Lance with **easywash365+** handle and nozzle protector ST-10 without nozzle. Max. 350 bar / 45 l/min / 150 °C

<b>R+M Nr.</b>			
515 65	1/4" F NPT	500 mm	1/4" M



Lance with moulded handle Cool & Compact, **easywash365+** handle, air injector and wash brush (bristles 60 mm). Max. 50 °C

<b>R+M Nr.</b>				
200 009 670	700 mm	wash brush	900 mm	1/4" M
200 009 675	700 mm	wash brush	1,200 mm	1/4" M



**lance rotating**

Lance with moulded handle Cool & Compact, **easywash365+** handle, **easywash365+** lance swivel, air injector and wash brush (bristles 60 mm). Max. 50 °C

<b>R+M Nr.</b>				
200 009 673	700 mm	wash brush	900 mm	1/4" M
200 009 678	700 mm	wash brush	1,200 mm	1/4" M

**Self-service lances**



Self-service lances with brush longitudinal. Brush with nozzle protector for nozzle 1/8" M. Without high pressure nozzle

<b>R+M Nr.</b>	
523 960	1/8" M
523 961	1/4" M
523 962	M22 F long nipple
523 963	M22 M

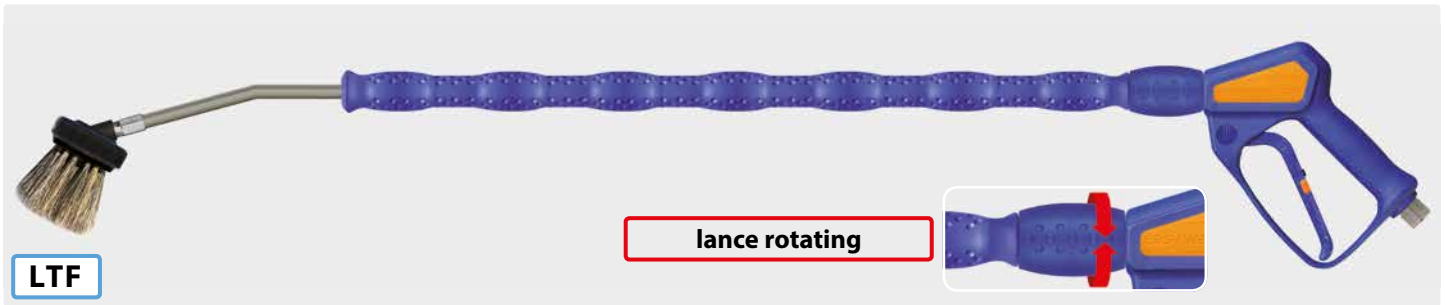


Original Vorwerk. Brush hog hair. A= 260. B= 230 x 80 mm.

<b>R+M Nr.</b>	<b>C</b>
523 72	60 mm

A = appr. width B = frame for brush C = appr. length of bristles

## easywash365+ lances by Suttner



**LTF**

Lance with moulded handle Cool & Compact, **easywash365+** spray gun, **easywash365+** lance swivel, air injector and wash brush (bristles 60 mm). Max. 50 °C

R+M Nr.	spray gun	ISO	☉	↔	☉
202 600 957	standard	700 mm	wash brush	900 mm	3/8" F swivel
202 600 972	weep	700 mm	wash brush	900 mm	3/8" F swivel
202 600 987	freeze stop	700 mm	wash brush	900 mm	3/8" F swivel
202 600 962	standard	700 mm	wash brush	1,200 mm	3/8" F swivel
202 600 977	weep	700 mm	wash brush	1,200 mm	3/8" F swivel
202 600 993	freeze stop	700 mm	wash brush	1,200 mm	3/8" F swivel



**LTF**

Lance with moulded handle Cool & Compact, **easywash365+** spray gun, air injector and wash brush (bristles 60 mm). Max. 50 °C

R+M Nr.	spray gun	ISO	☉	↔	☉
202 600 955	standard	700 mm	wash brush	900 mm	3/8" F swivel
202 600 970	weep	700 mm	wash brush	900 mm	3/8" F swivel
202 600 985	freeze stop	700 mm	wash brush	900 mm	3/8" F swivel
202 600 960	standard	700 mm	wash brush	1,200 mm	3/8" F swivel
202 600 975	weep	700 mm	wash brush	1,200 mm	3/8" F swivel
202 600 990	freeze stop	700 mm	wash brush	1,200 mm	3/8" F swivel

**LTF - Low Trigger Force** 90 % reduced holding force and 40 % reduced trigger force against usual market guns.



**LTF**

Lance with moulded handle Cool & Compact, **easywash365+** spray gun and nozzle protector ST-10 without nozzle. Max. 310 bar / 150 °C

R+M Nr.	spray gun	ISO	☉	↔	☉
202 600 950	standard	300 mm	1/4" F NPT	600 mm	3/8" F swivel
202 600 966	weep	700 mm	1/4" F NPT	900 mm	3/8" F swivel
202 600 965	weep	300 mm	1/4" F NPT	600 mm	3/8" F swivel
202 600 980	freeze stop	300 mm	1/4" F NPT	600 mm	3/8" F swivel

Symbols ☉ inlet ☉ outlet ↔ length ISO insulation

**turbofoam365+ lances by Suttner**

easywash365+ spray gun, lance and brush with turbofoam365+ air injector by Suttner

- » Especially soft cleaning with very soft hog bristles with forked ends
- » Cool & Compact insulation for a comfortable use
- » Ergonomic handling by means of the well-tried easywash365+ spray gun with LTF-technology
- » Available in 2 length: 900 and 1,200 mm
- » Brush with injector is also available as retrofit kit
- » easywash365+ spray gun is obtainable as standard, weep or freeze stop version
- » Lance swivel ST-345 is optionally available
- » Not suitable for powder chemicals



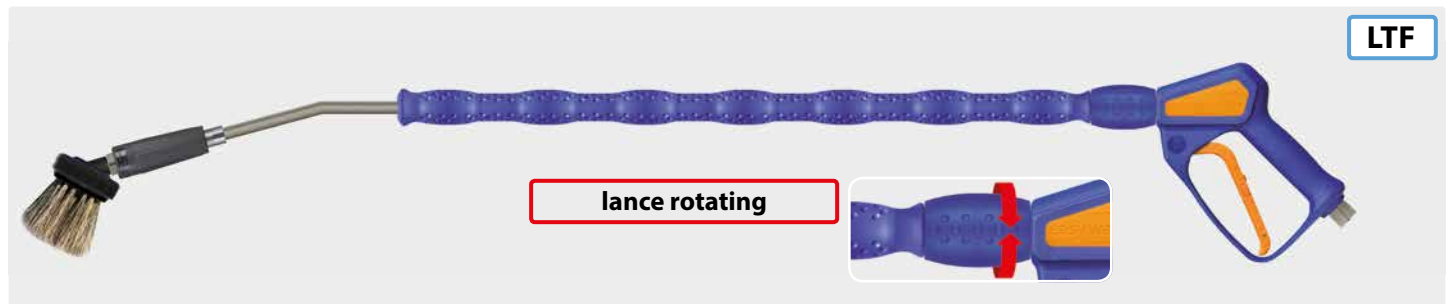
Bristles 60 mm

R+M Nr.	Ⓒ	D
500 023 101	1/4" F	1.20
500 023 102	1/4" F	1.35
500 023 105	1/4" F	1.60

Bristles 90 mm

R+M Nr.	Ⓒ	D
500 023 201	1/4" F	1.20
500 023 202	1/4" F	1.35
500 023 205	1/4" F	1.60

Retrofit kit for lances. Air injector turbofoam365+ and brush with cover plate. 20-150 bar. Max. 50 °C



**LTF**

Lance with moulded insulation Cool & Compact, easywash365+ spray gun, easywash365+ lance swivel, air injector turbofoam365+ and brush (bristles 60 mm). 20-150 bar. Max. 50 °C

R+M Nr.	spray gun	D	ISO	⊖	↔	Ⓒ
502 600 100 05	standard	1.6	700 mm	brush	900 mm	3/8" F swivel
502 610 100 05	weep	1.6	700 mm	brush	900 mm	3/8" F swivel
502 620 100 05	freeze stop	1.6	700 mm	brush	900 mm	3/8" F swivel
502 601 100 05	standard	1.6	700 mm	brush	1,200 mm	3/8" F swivel
502 611 100 05	weep	1.6	700 mm	brush	1,200 mm	3/8" F swivel
502 621 100 05	freeze stop	1.6	700 mm	brush	1,200 mm	3/8" F swivel

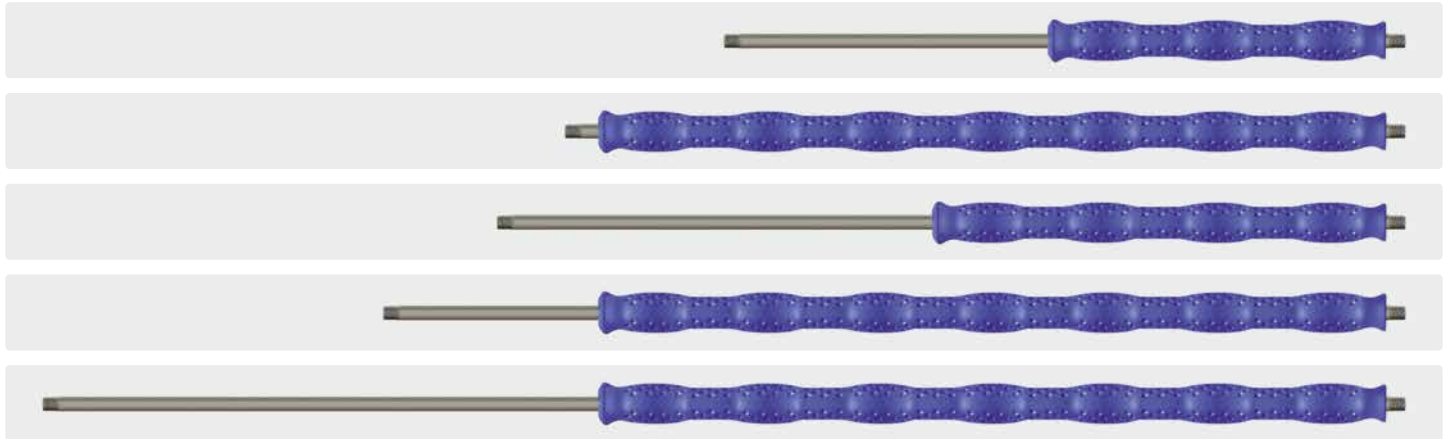


**LTF**

Lance with moulded insulation Cool & Compact, easywash365+ spray gun, air injector turbofoam365+ and brush (bristles 60 mm). 20-150 bar. Max. 50 °C

R+M Nr.	spray gun	D	ISO	⊖	↔	Ⓒ
502 600 000 05	standard	1.6	700 mm	brush	900 mm	3/8" F swivel
502 610 000 05	weep	1.6	700 mm	brush	900 mm	3/8" F swivel
502 620 000 05	freeze stop	1.6	700 mm	brush	900 mm	3/8" F swivel
502 601 000 05	standard	1.6	700 mm	brush	1,200 mm	3/8" F swivel
502 611 000 05	weep	1.6	700 mm	brush	1,200 mm	3/8" F swivel
502 621 000 05	freeze stop	1.6	700 mm	brush	1,200 mm	3/8" F swivel

## easywash365+ lances by Suttner



Stainless steel. Lance with moulded handle Cool & Compact. Max. 400 bar / 150 °C

R+M Nr.	ISO	⊖	⇄	⊕
200 129 306	300 mm	1/4" M	600 mm	1/4" M
200 129 707	700 mm	1/4" M	740 mm	1/4" M
200 129 408	400 mm	1/4" M	800 mm	1/4" M
200 129 709	700 mm	1/4" M	900 mm	1/4" M
200 129 712	700 mm	1/4" M	1,200 mm	1/4" M



Stainless steel. Lance with moulded handle. Max. 400 bar / 150 °C

R+M Nr.	ISO	⊖	⇄	⊕
200 029 709	700 mm	1/4" M	900 mm	1/4" M



Stainless steel. Lance with moulded handle. Max. 400 bar / 150 °C

R+M Nr.	ISO	⊖	⇄	⊕
200 029 712	700 mm	1/4" M	1,200 mm	1/4" M

Symbols ⊕ inlet ⊖ outlet ⇄ length ISO insulation ⊔ nozzle



easywash365+ foam lances



LTF

Foam lance with easywash365+ gun standard, lance with extension ST-9.1 245 mm and foam head ST-75. Max. 310 bar / 25 l/min / 150 °C

R+M Nr.	☺	TYP	☺
202 600 918	foam head ST-75 (1.9 mm)	standard	3/8" F swivel



LTF

Foam lance with easywash365+ gun, lance with extension ST-9.1 245 mm and foam head ST-75. Max. 310 bar / 25 l/min / 150 °C

R+M Nr.	☺	TYP	☺
202 600 911	foam head ST-75 (1.05 mm)	weep version	3/8" F swivel
202 600 949	foam head ST-75 (1.20 mm)	weep version	3/8" F swivel
202 600 909	foam head ST-75 (1.35 mm)	weep version	3/8" F swivel
202 600 917	foam head ST-75 (1.90 mm)	weep version	3/8" F swivel



LTF

Foam lance with easywash365+ gun, lance with extension ST-9.1 245 mm and foam head ST-75. Max. 310 bar / 25 l/min / 150 °C

R+M Nr.	☺	TYP	☺
202 600 929	foam head ST-75 (1.20 mm)	freeze stop version	3/8" F swivel.
202 600 930	foam head ST-75 (1.35 mm)	freeze stop version	3/8" F swivel
202 600 995	foam head ST-75 (1.70 mm)	freeze stop version	3/8" F swivel
202 600 919	foam head ST-75 (1.90 mm)	freeze stop version	3/8" F swivel

Valves complete - easywash365+

ST-301 swivels



Standard



Weep



Freeze stop



1/4" F : 3/8" F.  
easywash365+ guns



Repair kit ST-301

R+M Nr.	202 300 490
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R+M Nr.	202 300 491
---------	-------------

R+M Nr.	202 300 457
---------	-------------

R+M Nr.	200 301 050
---------	-------------

R+M Nr.	200 300 100
---------	-------------

Symbols ☺ inlet ☺ outlet TYP type

## easywash365+ foam sets

By introducing the universally applicable **easywash365+** foam sets we succeeded in enlarging the application possibility of our foam injector family.

The stainless steel injector with high pressure foam lance which is installed via a T-piece between the outlet of the high pressure unit and the original spraying unit is especially designed for the professional cleaning of trucks of shipping or food companies as well as for applications in the industrial foam cleaning.

The connection from injector unit to the high pressure foam lance is realized by an optionally high pressure hose of up to a length of 40 m. The already existing spraying unit is used for cleaning and

rinsing works. Enormous savings of both cleaning agent and time can be achieved as the foam lance has cleaning agent immediately available without switching at the unit or change of equipment.

It is possible to simplify the handling of the construction and to boost efficiency at the same time by integrating two hose reels. This set is suitable for all common high pressure cleaning units for up to 310 bar and max. 90 °C.



LTF

Kr IP K

**easywash365+** foam set: **easywash365+** foam lance standard with foam head ST-75, injector ST-160 (M22 F and 2 x M22 M) with metering valve ST-161, suction hose 1,000 mm and suction filter ST-32. Max. 310 bar / 90 °C

R+M Nr.	foam head ST-75 (1.9 mm)	3/8" F swivel
200 160 720		

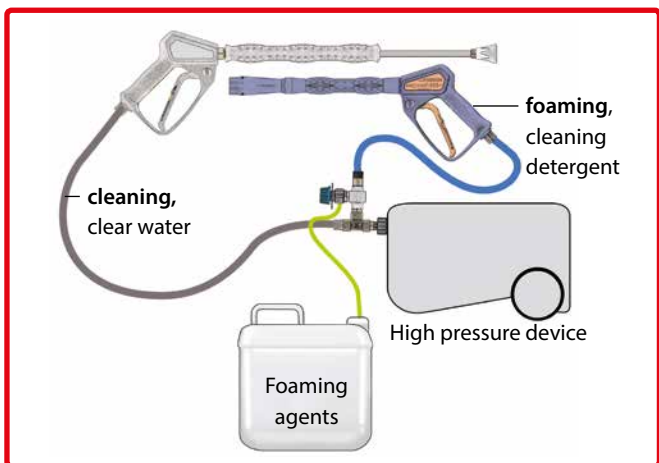


LTF

A

**easywash365+** foam set: **easywash365+** foam lance standard with foam head ST-75, injector ST-160 (Coupling ST-45-250 nickel-plated brass, plug ST-45-250 zinc-plated steel and M22 M) with metering valve ST-161, suction hose 1,000 mm and suction filter ST-32. Max. 250 bar / 90 °C

R+M Nr.	foam head ST-75 (1.9 mm)	3/8" F swivel
200 160 725		



## easywash365+ foam sets



LTF

Kr IP K

easywash365+ foam set: easywash365+ spray gun, lance and brush with turbofoam365+ air injector by Suttner and injector ST-160 (M22 F and 2 x M22 M) with metering valve ST-161, suction hose 1,000 mm and suction filter ST-32. Max. 310 bar / 90 °C

R+M Nr.		↔ lance and brush	⊕
502 600 100 000	lance and brush with turbofoam365+ air injector (1.9 mm)	900 mm	3/8" F swivel
502 601 100 000	lance and brush with turbofoam365+ air injector (1.9 mm)	1,200 mm	3/8" F swivel

**The following hoses are  
highly recommended  
for easywash365+ foam sets**

Hoses with single wire braid and *wrapped cover*

TYP	DN	P	°C	↔	R+M Nr.
1SN	8	315 bar	150 °C	10 m	343 103 310
				15 m	343 103 315
				20 m	343 103 320
				30 m	343 103 330

QSC : male thread

M22 : 3/8"



Symbols DN nominal diameter P pressure °C temperature ↔ length TYP type ⊕ inlet ⊖ outlet

## easywash365+ wash brushes - large areas are completely clean from now on!

By means of a very wide work surface of approx. 260 x 80 mm the easywash365+ wash brush is especially designed for the efficient cleaning of large areas such as railway carriages, tramcars, omnibuses, caravans, trucks, boats and ships, facades, greenhouses as well as vehicles, motorcycles and many more.

Fine and extremely soft natural bristles with split ends ensure an especially gentle cleaning of sensitive surfaces such as windows and car finish. The solid body of the easywash365+ wash brush consists of 152 bristle bundles which are attached undetachably by means of multi-component synthetic resin.

Our easywash365+ wash brush convinces all users working in the self-service foam- and prewash of an ideal and very easy handling.

The soft coating of the body made out of thermoplastic elastomer demonstrably protects sensitive surfaces from damages.

The inlet of the easywash365+ wash brush is equipped with a brass insert with 1/4" female thread which is fixed in the body. By means of an additional grub screw the high pressure lances available at self-service bays are safe from twisting and theft. Therefore, the grub screw needs to be screwed to the lance tube. **Further fastening plates or protection against theft are not required.**

13 outlet ports at the bottom of the easywash365+ wash brush enable the required water flow and guarantee a convincingly good foam quality at the same time.



### Wash brushes



A= 270. B= 260 x 80 mm. Hog hair.  
Max. 40 l/min / 60 °C

R+M Nr.	C	Ⓞ
200 023 550	60 mm	1/4" F



A= 270. B= 260 x 80 mm. Hog hair.  
Max. 40 l/min / 60 °C

R+M Nr.	C	Ⓞ
200 023 650	90 mm	1/4" F



A= 270. B= 260 x 80 mm. Hog hair / synthetic.  
Max. 40 l/min / 60 °C

R+M Nr.	C	Ⓞ
200 023 660	90 mm	1/4" F

## Wash brushes

### Wash brushes



A= 260. B= 230 x 80 mm. Hog hair.  
Max. 50 °C

R+M Nr.	C
200 023 500	60 mm
200 023 600	90 mm

### Wash brush with cover



A= 260. B= 230 x 80 mm. Hog hair.  
Max. 50 °C

R+M Nr.	C	Ⓞ
200 023 710	60 mm	1/4" F



A= 260. B= 230 x 80 mm. Hog hair.  
With stainless steel frame.  
Max. 50 °C

R+M Nr.	C	Ⓞ
200 023 735	60 mm	1/4" F



A= 260. B= 230 x 80 mm. Hog hair.  
With stainless steel frame.  
Max. 50 °C

R+M Nr.	C	Ⓞ
200 023 736	90 mm	1/4" F

### Covers



Cover suitable as theft protection for wash brushes. Plastic. Max. 50 °C

R+M Nr.	B ⇄
020 001 540	230 mm

### Frames for wash brushes



Frame with fixing bolts. Stainless steel.  
Max. 60 °C

R+M Nr.	B ⇄	Ⓞ
200 023 560	230 mm	1/4" F



Frame. Stainless steel.  
Max. 60 °C

R+M Nr.	B ⇄	Ⓞ
200 023 570	230 mm	1/4" F

Wash brushes



A= 260. B= 230 x 80 mm. Hog hair. Max. 50 °C

A= 260. B= 230 x 80 mm. Hog hair. Max. 50 °C

A= 260. B= 230 x 80 mm. Hog hair. With stainless steel frame. Max. 50 °C

A= 260. B= 230 x 80 mm. Hog hair. Max. 50 °C

R+M Nr.	C	Ⓞ
523 703	60 mm	1/8" M

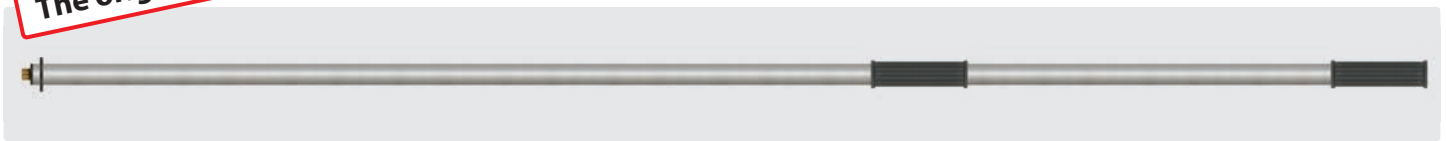
R+M Nr.	C	Ⓞ
200 023 700	60 mm	1/4" F

R+M Nr.	C	Ⓞ
200 023 730	60 mm	1/4" F

R+M Nr.	C	Ⓞ
523 701	60 mm	M18 x 1.5 F

The original

Vorwerk lances & wash brushes



Extension pipe with water flow

R+M Nr.	↔	⊗	Ⓞ
523 790 1	1,000 mm	1/4" M	1/4" F
523 790 2	1,500 mm	1/4" M	1/4" F
523 790 3	2,000 mm	1/4" M	1/4" F

Vorwerk wash brushes



A= 300. B= 300 x 100 mm. Nylon

R+M Nr.	C	Ⓞ
523 780	60 mm	1/4" F



A= 240. B= 230 x 80 mm. Hog hair

R+M Nr.	C	Ⓞ
523 70	60 mm	1/4" F
523 75	90 mm	1/4" F

Adaptor



Adaptor for lances with coarse thread.

Coarse thread : 1/4" M

R+M Nr.
010 003 610



Brush. A= 260. B= 230 x 80 mm. Hog hair

R+M Nr.	C
523 72	60 mm
523 73	90 mm



Frame. 260 mm. Aluminium

R+M Nr.	Ⓞ
523 76	1/4" F

Air injector



1/4" F : 1/4" M. Flow at 100 bar

R+M Nr.	↔	⊘
108 290 60	13 l/min	1.5
108 290 20	34 l/min	2.5

Symbols ↔ length Ⓞ inlet ⊗ outlet ⊘ diameter TYP type P pressure ↔ flow U revolutions ISO insulation Ⓜ weight



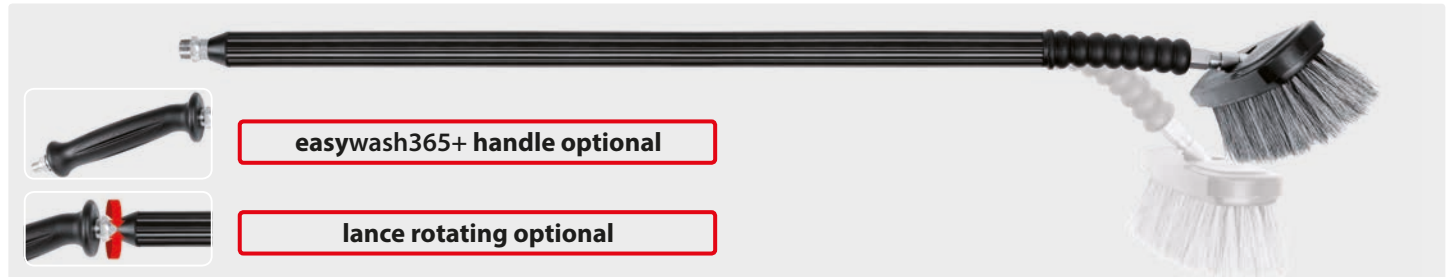
## Mosmatic flex-brush wand – no more washing without coin slot!

**Flex-mechanism:** The Flex-Brush has an additional feature compared to all existing wands. It's the wobble feature! This will allow the brush head to wobble when not under pressure and become solid when under pressure. The mechanism requires a minimum pressure of 2.5 bar to be used. This will happen through a pin which moves forward. As soon as the pressure drops, the pin will move back to its origin position and the brush head starts to wobble again.

**Integrated swivel (optional):** An integrated swivel at the inlet of the brush-wand will give you optimal freedom of movement.

In addition, the high pressure hose will not tangle up and will provide the user a secure handling.

**easywash365+ handle (optional):** for a safe and ergonomic handling.



Lance with moulded handle, air injector and wash brush (bristles 60 mm). Max. 50 °C

R+M Nr.	TYP	↔	ISO	⊖	P	↔	⊕
108 271 02	-	1,000 mm	800 mm	wash brush	2.5 - 20 bar	min. 5 l/min	1/4" M
108 271 07	-	1,000 mm	800 mm	wash brush	20 - 80 bar	min. 9 l/min	1/4" M
108 273 02	-	1,200 mm	800 mm	wash brush	2.5 - 20 bar	min. 5 l/min	1/4" M handle
108 273 07	-	1,200 mm	800 mm	wash brush	20 - 80 bar	min. 9 l/min	1/4" M handle
108 271 22	swivel	1,000 mm	800 mm	wash brush	2.5 - 20 bar	min. 5 l/min	1/4" M
108 271 27	swivel	1,000 mm	800 mm	wash brush	20 - 80 bar	min. 9 l/min	1/4" M
108 273 22	swivel	1,200 mm	800 mm	wash brush	2.5 - 20 bar	min. 5 l/min	1/4" M handle
108 273 27	swivel	1,200 mm	800 mm	wash brush	20 - 80 bar	min. 9 l/min	1/4" M handle

### Brush holder



Suitable for all brushes. Hole spacing 202 mm.  
H x W x D = 90 x 250 x 100 mm

R+M Nr.	(M)
108 290 30	stainless steel

### easywash365+ brush holder



Container with overflow and lateral drain for cleaning. For wall and floor mounting.  
H x W x D = 670 x 340 x 143 mm

R+M Nr.	(M)
105 810	stainless steel

### easywash365+ brush holder



R+M Nr.	(M)
105 820	stainless steel



Wash brush holder, two-piece.  
For floor mounting and positioning for different length of lances.  
Holder: H x W x D: 315 x 305 x 120 mm.  
Support pipe: Pipe Ø 42 mm, height adjustable from 570 to 1,000 mm

### Wheel scrubber WHEELBLASTER PRO

- » Made out of stainless steel
- » 4 nozzle tips are required
- » Variable height and swing adjustment
- » Multiple cleaning heads can be installed
- » High impact at distance
- » DYTIs swivel
- » Rotor arm 160/160 mm
- » **Delivery about 3 weeks**

The Wheelblaster Pro is the new standard for vehicle wash systems. The complete wash head can be placed nearly anywhere you wish and has variable height and swing adjustment. The unit must be equipped with 4 stabilizer nozzles. These four 0° stabilizer nozzles increase distance and impact to achieve optimal cleaning. It is possible to cover a larger cleaning area by mounting various cleaning heads on the 1 meter high stand

action-⊗:	
distance	cleaning surface
250 mm	450 mm
500 mm	700 mm
750 mm	950 mm
1,000 mm	1,200 mm



R+M Nr.	TYP	°C	P	U	G	⊗
108 845 41	incl. stand	120°	275 bar	up to 2,000 rpm	3/8" F	11.5 kg
108 845 91	excl. stand	120°	275 bar	up to 2,000 rpm	3/8" F	4.2 kg

### Wheel scrubber



Buffed stainless steel. Accessories for automatic car wash. Turbo swivel. Rotating arm is powered by water. Adjustable in height. Connectable with a hose of the pumping system. 4 nozzles 1/8" M NPT are required.

Rotor ⊗ 470 / 350 mm.

Max. 250 bar / 2,000 r.p.m. / 120 °C

R+M Nr.	TYP	G
108 845 12	standard	3/8" F
108 845 17	high performance	3/8" F

easywash365+ lance holder

Lance holder for floor mounting



Lance holder with drain  $\varnothing$  20 mm. Pipe length 730 mm. Pipe diameter 60 mm. Appropriate wall mounting bracket (105 625)

R+M Nr.	(M)
105 620	stainless steel

Lance holder with suspension



Holder with suspension and drain  $\varnothing$  20 mm. Pipe length 730 mm. Pipe diameter 60 mm. Appropriate wall mounting bracket (105 625)

R+M Nr.	(M)
105 650	stainless steel

Lance holder for wall mounting



Pipe length 590 mm. Pipe diameter 60 mm

R+M Nr.	(M)
105 630	stainless steel

easywash365+ twin lance holder



Lance holder with drain  $\varnothing$  28 mm. Pipe length 2 x 730 mm. Pipe diameter 60 mm

R+M Nr.	(M)
105 660	stainless steel

easywash365+ lance holder



Lance holder with drain  $\varnothing$  28 mm. Pipe length 730 mm. Pipe diameter 60 mm

R+M Nr.	(M)
105 640	stainless steel

Symbols  $\odot$  inlet  $\ominus$  outlet  $\rightarrow$  length (M) material (VPE) packing unit  $\boxplus$  shipment by truck  $\boxtimes$  weight

## easywash365+ mat cleaner



H x W x D 1,200 x 540 x 43 mm. Mounting plates  $\varnothing$  100 mm. Weight 15 kg. Mounting parts excluded in delivery

R+M Nr.	(M)
105 730	stainl. steel



H x W x D 1,000 x 500 x 400 mm. Weight 22 kg. Mounting parts included in delivery

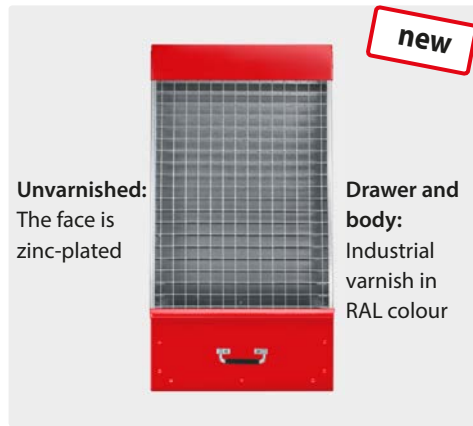
R+M Nr.	(M)
105 700	zinc-plated steel



H x W x D 1,160 x 500 x 430 mm. Weight 41 kg. Mounting parts included in delivery.

R+M Nr.	(M)
105 720	stainl. steel

## easywash365+ mat cleaner in RAL colour



Unvarnished: The face is zinc-plated

Drawer and body: Industrial varnish in RAL colour

**new**

The handy mat cleaner – now also available in your preferred RAL colour H x W x D 1.000 x 500 x 400 mm. Scope of supply including fastening material.

Corrosion resistance: Zinc-plated with resistant, special varnish for industrial applications Please add the 4 numbers of your preferred RAL colour to the article number.

E.g. brilliant blue 5007: R+M Nr. 105 705 007.

brilliant blue 5007	colza yellow 1021	leaf green 6002	traffic red 3020	flame red 3000
yellow orange 2000	signal orange 2010	steel blue 5011	signal blue 5005	golden yellow 1004

R+M Nr.	(M)
105 70 (RAL-colour)	22 kg zinc-plated/varnished in RAL colour

## easywash365+ holder

### Car mat holder



The solid car mat holder for practical wet cleaning of rubber mats or within the vacuum cleaner area for textile mats. Height 300 mm

R+M Nr.	(M)
108 909 09	stainl. steel



The solid car mat holder for practical wet cleaning of rubber mats or within the vacuum cleaner area for textile mats. Height 240 mm

R+M Nr.	(M)
105 750	stainl. steel

### Holder for motorcycle helmets



H x W x D 150 x 125 x 87 mm. Weight 0.38 kg. Mounting parts excluded in delivery.

R+M Nr.	(M)
105 000	stainl. steel



**Low pressure pre-spraying unit**



Pre-spraying unit with gun ST-810, lance ST-28 Cool & Compact zinc-plated steel, nozzle protector ST-10 and nozzle 65° 01 with filter. Max. 140 bar / 150 °C

R+M Nr.			
200 810 785	nozzle 65° 01	500 mm	1/4" M swivel

**Sleeves for windscreen wipers**



Polyethylene. 25 µ. HDPE. Blocked at 50 pieces each. Tear-off perforation

R+M Nr.	H x L	
980 908 002 6	90 x 800 mm	2,500
980 806 002 6	80 x 600 mm	5,000

**Protective gloves**

**Protective gloves in dispenser box**



Gloves made out of pressed transparency film. Hammered. Taking of gloves at the bottom. 100 pieces per box. Size 24 x 30 cm

R+M Nr.	
105 910	1,000 pieces

**Wall mount for protective gloves**



Taking of gloves at the bottom. Stainless steel. W x H x D 23.5 x 16.5 x 2.0 cm

R+M Nr.
105 900



Polyethylene. 45 µ. LDPE. Blocked at 50 pieces each. Tear-off perforation

R+M Nr.	H x L	
980 706 004 6	70 x 600 mm	5,000
980 908 004 6	90 x 800 mm	2,500

**HDPE = high density  
LDPE = low density**

**Vacuum cups**



For fixing the rear wipers onto the window. Flexible PVC. Soft degree of hardness. Height of cup 5 mm. Connection 85 x 13 mm

R+M Nr.	
105 950	100 pieces



For fixing the rear wipers onto the window. Flexible PVC. Solid degree of hardness. Height of cup 7 mm. Connection 86 x 16 mm

R+M Nr.	
105 951	100 pieces



For fixing the rear wipers onto the window. Flexible PVC. Soft degree of hardness. Height of cup 5 mm. Connection 110 x 13 mm

R+M Nr.	
105 952	100 pieces



For fixing the rear wipers onto the window. Flexible PVC. Soft degree of hardness. Height of cup 5 mm. Connection 85 x 16 mm

R+M Nr.	
105 953	100 pieces

**Suitable to adhere to smooth, nonporous surfaces**

Symbols inlet outlet length material packing unit shipment by truck



**CARWASH COMFORT - the new hose wonder in self-service washing bays**

**The original**



- » High standard of easy and comfortable use in combination with spraying equipment, e.g. brush lance.
- » Light weight, 92 g/m at DN 6. More than half in weight in comparison to an usual self-service hose.
- » Chemically resistant, smooth interior made out of PES.
- » Transparent surface made out of a thermoplastic elastomer, depending on colour: CCBL, CCRT, CCGR, CCGE, CCGN.
- » Oil-, UV-, ozone-resistant and weatherproof.
- » Flexible in case of low temperatures: -40 °C – +60 °C, -40 °F – +140 °F.

- » High-tensile polyester reinforcing, working pressure of up to 200 bar, with a fourfold guarantee, that the hose does not burst.
- » Outer diameter 12 mm at DN 6.
- » Burst pressure > 800 bar.

1/4" : 1/4"		3/8" : 3/8"		M14 : M14		M18 : M18		3/8" : 3/8"	
Female thread (DKR)		Female thread (DKR)		Female thread (DKOL)		Female thread (DKOL)		Male thread (AGR)	
R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔
461 052 603 5	3.5 m	461 054 603 5	3.5 m	461 072 603 5	3.5 m	461 076 603 5	3.5 m	461 044 603 5	3.5 m
461 052 603 7	3.7 m	461 054 603 7	3.7 m	461 072 603 7	3.7 m	461 076 603 7	3.7 m	461 044 603 7	3.7 m
461 052 604	4.0 m	461 054 604	4.0 m	461 072 604	4.0 m	461 076 604	4.0 m	461 044 604	4.0 m
461 052 604 2	4.2 m	461 054 604 2	4.2 m	461 072 604 2	4.2 m	461 076 604 2	4.2 m	461 044 604 2	4.2 m
461 052 604 5	4.5 m	461 054 604 5	4.5 m	461 072 604 5	4.5 m	461 076 604 5	4.5 m	461 044 604 5	4.5 m
461 052 604 7	4.7 m	461 054 604 7	4.7 m	461 072 604 7	4.7 m	461 076 604 7	4.7 m	461 044 604 7	4.7 m
461 052 605	5.0 m	461 054 605	5.0 m	461 072 605	5.0 m	461 076 605	5.0 m	461 044 605	5.0 m
461 052 605 5	5.5 m	461 054 605 5	5.5 m	461 072 605 5	5.5 m	461 076 605 5	5.5 m	461 044 605 5	5.5 m
461 052 606	6.0 m	461 054 606	6.0 m	461 072 606	6.0 m	461 076 606	6.0 m	461 044 606	6.0 m
Female thread (DKR)		Female thread (DKR)		Female thread (DKOL)		Female thread (DKOL)		Male thread (AGR)	
R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔
462 052 303 5	3.5 m	462 054 303 5	3.5 m	462 072 303 5	3.5 m	462 076 303 5	3.5 m	462 044 303 5	3.5 m
462 052 303 7	3.7 m	462 054 303 7	3.7 m	462 072 303 7	3.7 m	462 076 303 7	3.7 m	462 044 303 7	3.7 m
462 052 304	4.0 m	462 054 304	4.0 m	462 072 304	4.0 m	462 076 304	4.0 m	462 044 304	4.0 m
462 052 304 2	4.2 m	462 054 304 2	4.2 m	462 072 304 2	4.2 m	462 076 304 2	4.2 m	462 044 304 2	4.2 m
462 052 304 5	4.5 m	462 054 304 5	4.5 m	462 072 304 5	4.5 m	462 076 304 5	4.5 m	462 044 304 5	4.5 m
462 052 304 7	4.7 m	462 054 304 7	4.7 m	462 072 304 7	4.7 m	462 076 304 7	4.7 m	462 044 304 7	4.7 m
462 052 305	5.0 m	462 054 305	5.0 m	462 072 305	5.0 m	462 076 305	5.0 m	462 044 305	5.0 m
462 052 305 5	5.5 m	462 054 305 5	5.5 m	462 072 305 5	5.5 m	462 076 305 5	5.5 m	462 044 305 5	5.5 m
462 052 306	6.0 m	462 054 306	6.0 m	462 072 306	6.0 m	462 076 306	6.0 m	462 044 306	6.0 m






## CARWASH COMFORT - the new hose wonder in self-service washing bays

1/4" : 1/4"		3/8" : 3/8"		M14 : M14		M18 : M18		3/8" : 3/8"	
Female thread (DKR)		Female thread (DKR)		Female thread (DKOL)		Female thread (DKOL)		Male thread (AGR)	
<b>R+M Nr.</b>		<b>R+M Nr.</b>		<b>R+M Nr.</b>		<b>R+M Nr.</b>		<b>R+M Nr.</b>	
463 052 303 5	3.5 m	463 054 303 5	3.5 m	463 072 303 5	3.5 m	463 076 303 5	3.5 m	463 044 303 5	3.5 m
463 052 303 7	3.7 m	463 054 303 7	3.7 m	463 072 303 7	3.7 m	463 076 303 7	3.7 m	463 044 303 7	3.7 m
463 052 304	4.0 m	463 054 304	4.0 m	463 072 304	4.0 m	463 076 304	4.0 m	463 044 304	4.0 m
463 052 304 2	4.2 m	463 054 304 2	4.2 m	463 072 304 2	4.2 m	463 076 304 2	4.2 m	463 044 304 2	4.2 m
463 052 304 5	4.5 m	463 054 304 5	4.5 m	463 072 304 5	4.5 m	463 076 304 5	4.5 m	463 044 304 5	4.5 m
463 052 304 7	4.7 m	463 054 304 7	4.7 m	463 072 304 7	4.7 m	463 076 304 7	4.7 m	463 044 304 7	4.7 m
463 052 305	5.0 m	463 054 305	5.0 m	463 072 305	5.0 m	463 076 305	5.0 m	463 044 305	5.0 m
463 052 305 5	5.5 m	463 054 305 5	5.5 m	463 072 305 5	5.5 m	463 076 305 5	5.5 m	463 044 305 5	5.5 m
463 052 306	6.0 m	463 054 306	6.0 m	463 072 306	6.0 m	463 076 306	6.0 m	463 044 306	6.0 m
Female thread (DKR)		Female thread (DKR)		Female thread (DKOL)		Female thread (DKOL)		Male thread (AGR)	
<b>R+M Nr.</b>		<b>R+M Nr.</b>		<b>R+M Nr.</b>		<b>R+M Nr.</b>		<b>R+M Nr.</b>	
464 052 303 5	3.5 m	464 054 303 5	3.5 m	464 072 303 5	3.5 m	464 076 303 5	3.5 m	464 044 303 5	3.5 m
464 052 303 7	3.7 m	464 054 303 7	3.7 m	464 072 303 7	3.7 m	464 076 303 7	3.7 m	464 044 303 7	3.7 m
464 052 304	4.0 m	464 054 304	4.0 m	464 072 304	4.0 m	464 076 304	4.0 m	464 044 304	4.0 m
464 052 304 2	4.2 m	464 054 304 2	4.2 m	464 072 304 2	4.2 m	464 076 304 2	4.2 m	464 044 304 2	4.2 m
464 052 304 5	4.5 m	464 054 304 5	4.5 m	464 072 304 5	4.5 m	464 076 304 5	4.5 m	464 044 304 5	4.5 m
464 052 304 7	4.7 m	464 054 304 7	4.7 m	464 072 304 7	4.7 m	464 076 304 7	4.7 m	464 044 304 7	4.7 m
464 052 305	5.0 m	464 054 305	5.0 m	464 072 305	5.0 m	464 076 305	5.0 m	464 044 305	5.0 m
464 052 305 5	5.5 m	464 054 305 5	5.5 m	464 072 305 5	5.5 m	464 076 305 5	5.5 m	464 044 305 5	5.5 m
464 052 306	6.0 m	464 054 306	6.0 m	464 072 306	6.0 m	464 076 306	6.0 m	464 044 306	6.0 m
Female thread (DKR)		Female thread (DKR)		Female thread (DKOL)		Female thread (DKOL)		Male thread (AGR)	
<b>R+M Nr.</b>		<b>R+M Nr.</b>		<b>R+M Nr.</b>		<b>R+M Nr.</b>		<b>R+M Nr.</b>	
465 052 303 5	3.5 m	465 054 303 5	3.5 m	465 072 303 5	3.5 m	465 076 303 5	3.5 m	465 044 303 5	3.5 m
465 052 303 7	3.7 m	465 054 303 7	3.7 m	465 072 303 7	3.7 m	465 076 303 7	3.7 m	465 044 303 7	3.7 m
465 052 304	4.0 m	465 054 304	4.0 m	465 072 304	4.0 m	465 076 304	4.0 m	465 044 304	4.0 m
465 052 304 2	4.2 m	465 054 304 2	4.2 m	465 072 304 2	4.2 m	465 076 304 2	4.2 m	465 044 304 2	4.2 m
465 052 304 5	4.5 m	465 054 304 5	4.5 m	465 072 304 5	4.5 m	465 076 304 5	4.5 m	465 044 304 5	4.5 m
465 052 304 7	4.7 m	465 054 304 7	4.7 m	465 072 304 7	4.7 m	465 076 304 7	4.7 m	465 044 304 7	4.7 m
465 052 305	5.0 m	465 054 305	5.0 m	465 072 305	5.0 m	465 076 305	5.0 m	465 044 305	5.0 m
465 052 305 5	5.5 m	465 054 305 5	5.5 m	465 072 305 5	5.5 m	465 076 305 5	5.5 m	465 044 305 5	5.5 m
465 052 306	6.0 m	465 054 306	6.0 m	465 072 306	6.0 m	465 076 306	6.0 m	465 044 306	6.0 m

Symbols length






**CARWASH COMFORT - you are invited to experience our blue hose wonder in DN 8!**

High-tensile polyester reinforcing, working pressure of up to 200 bar. DN 8. -40 °C – +60 °C, -40 °F – +140 °F

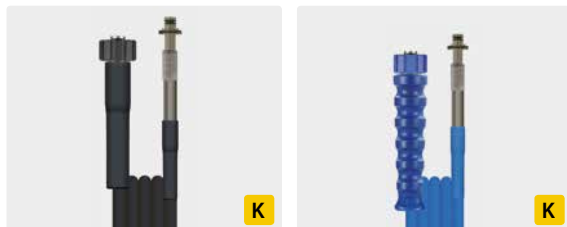
1/4" : 1/4"		3/8" : 3/8"		M14 : M14		M18 : M18		3/8" : 3/8"	
									
Female thread (DKR)		Female thread (DKR)		Female thread (DKOL)		Female thread (DKOL)		Male thread (AGR)	
R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔
471 052 603 5	3.5 m	471 054 603 5	3.5 m	471 072 603 5	3.5 m	471 076 603 5	3.5 m	471 044 603 5	3.5 m
471 052 603 7	3.7 m	471 054 603 7	3.7 m	471 072 603 7	3.7 m	471 076 603 7	3.7 m	471 044 603 7	3.7 m
471 052 604	4.0 m	471 054 604	4.0 m	471 072 604	4.0 m	471 076 604	4.0 m	471 044 604	4.0 m
471 052 604 2	4.2 m	471 054 604 2	4.2 m	471 072 604 2	4.2 m	471 076 604 2	4.2 m	471 044 604 2	4.2 m
471 052 604 5	4.5 m	471 054 604 5	4.5 m	471 072 604 5	4.5 m	471 076 604 5	4.5 m	471 044 604 5	4.5 m
471 052 604 7	4.7 m	471 054 604 7	4.7 m	471 072 604 7	4.7 m	471 076 604 7	4.7 m	471 044 604 7	4.7 m
471 052 605	5.0 m	471 054 605	5.0 m	471 072 605	5.0 m	471 076 605	5.0 m	471 044 605	5.0 m
471 052 605 5	5.5 m	471 054 605 5	5.5 m	471 072 605 5	5.5 m	471 076 605 5	5.5 m	471 044 605 5	5.5 m
471 052 606	6.0 m	471 054 606	6.0 m	471 072 606	6.0 m	471 076 606	6.0 m	471 044 606	6.0 m

**High pressure hoses for self-service washing bays**

Hoses with single wire braid and wrapped cover. 1SN. Nominal diameter 6. Max. 210 bar /150 °C

1/4" : 1/4"		3/8" : 3/8"		1/4" : 1/4"		M14 : M14		M14 : M14	
									
Female thread (DKR)		Female thread (DKR)		Female thread (DKR)		Female thread (DKOL) VA		Female thread (DKOL)	
R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔	R+M Nr.	↔
331 152 803 5	3.5 m	331 154 803 5	3.5 m	331 152 603 5	3.5 m	331 172 803 59	3.5 m	331 172 803 5	3.5 m
331 152 804 2	4.2 m	331 154 804 2	4.2 m	331 152 604	4.0 m	331 172 804 29	4.2 m	331 172 804	4.0 m
331 152 805	5.0 m	331 154 805	5.0 m	331 152 604 2	4.2 m	331 172 804 79	4.7 m		
				331 152 605 5	5.5 m			331 172 805	5.0 m

**M22 : 10**  swivel



QSC - swivel disc plug

QSC - swivel disc plug

R+M Nr.	↔	R+M Nr.	↔
330 117 303 5	3.5 m	331 117 303 5	3.5 m
330 117 304	4.0 m	331 117 304	4.0 m
330 117 304 2	4.2 m	331 117 304 2	4.2 m
		331 117 305	5.0 m
330 117 310	10.0 m	331 117 310	10.0 m

Further hp hoses suitable for self-service washing bays are available on request.

## Heated low pressure hoses

### Connecting hoses within ceiling boom 1 SN DN 8 black

Tightly wound surface with steel wire braid, therefore an excellent bending behaviour

Female thread (DKR)

1/4" (AGR) with e-cable



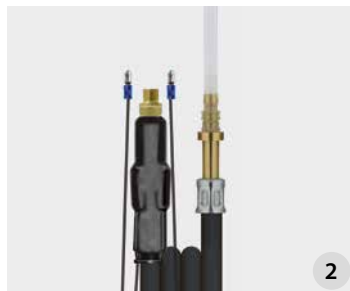
R+M Nr.	↔
330 012 701 001	2.2 m
330 012 701 002	3.1 m
330 012 701 003	3.6 m



### Hoses from ceiling boom to foam lance 1 SN DN 8 black

Heated foam hoses for blue lance. Tightly wound surface with steel wire braid, therefore an excellent bending behaviour

1/4" (AGR) with e-cable : silicone hose

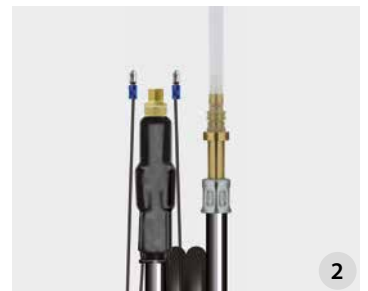


R+M Nr.	↔
330 012 701 004	4.8 m
330 012 701 005	5.2 m
330 012 701 006	5.6 m
330 012 701 007	6.5 m

### Hoses from ceiling boom to foam lance

Heated foam hoses for blue lance.  
**Soft and smooth surface:**  
 » enjoyably easy handling  
 » very gentle to surface of the vehicle  
 » no black stripes on the car

1/4" (AGR) with e-cable : silicone hose

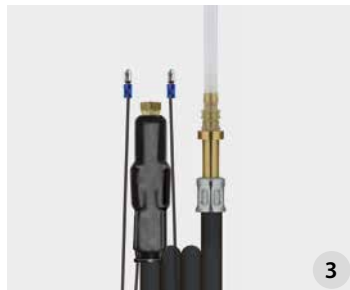


R+M Nr.	↔
330 012 701 008	4.8 m
330 012 701 009	5.2 m
330 012 701 010	5.6 m
330 012 701 012	6.5 m

### Complete hose comprising connecting hose within ceiling boom and hose from boom to foam lance 1 SN DN 8 black

Heated foam hoses. Tightly wound surface with steel wire braid, therefore an excellent bending behaviour

1/4" female thread (DKR) with e-cable : silicone hose

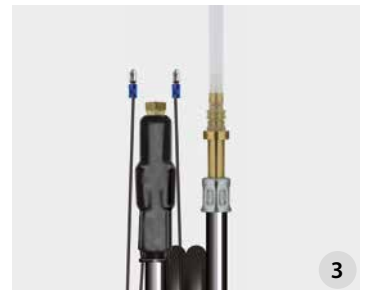


R+M Nr.	↔
330 012 701 013	7.2 m
330 012 701 014	8.0 m
330 012 701 015	10.0 m

### Complete hose comprising connecting hose within ceiling boom and hose from boom to foam lance

Heated foam hoses.  
**Soft and smooth surface:**  
 » enjoyably easy handling  
 » very gentle to surface of the vehicle  
 » no black stripes on the car

1/4" female thread (DKR) with e-cable : silicone hose



R+M Nr.	↔
330 012 701 016	7.2 m
330 012 701 017	8.0 m
330 012 701 018	10.0 m

Symbols ↔ length

**Heated low pressure hoses**

**Wheel rim cleaner with PA inner hose**

Heated foam hoses

**Soft and smooth surface:**

- » enjoyably easy handling
- » very gentle to surface of the vehicle
- » no black stripes on the car

Female thread (DKR)

1/4" with e-cable: 1/4"



For old lance.

R+M Nr.	↔
330 012 701 019	6.8 m

450 mm silicone hose with e-cable : 50 mm silicone hose



For new lance.

R+M Nr.	↔
330 012 701 020	6.8 m

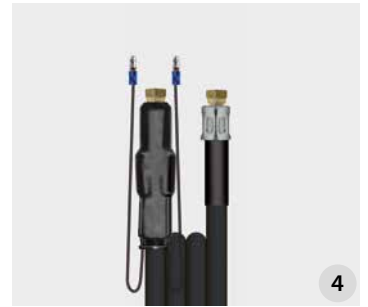
**Connecting hoses to the ceiling boom 1 SN DN 8 black**

Heated foam hoses for 2 or 3 washing bays.

Tightly wound surface with steel wire braid, therefore an excellent bending behaviour

Female thread (DKR)

1/4" with e-cable: 1/4"



R+M Nr.	↔
330 012 701 021	10 m
330 012 701 022	12 m

**Heated high pressure hoses (before 2005)**

**Heated high pressure hoses 1 SN DN 8 black**

Heated high pressure hoses for 2 or 3 washing bays. Tightly wound surface with steel wire braid, therefore an excellent bending behaviour

M22 x 1.5 QSC with e-cable : 10 mm plug nipple with bearing

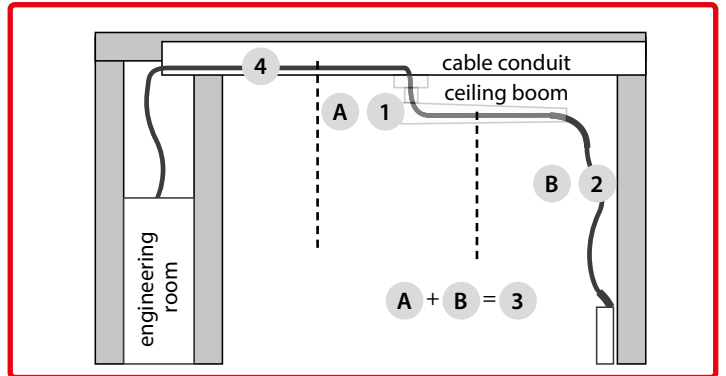
M22 x 1.5 QSC with e-cable : 3/8 M plug nipple with bearing



R+M Nr.	↔
330 012 701 023	12 m
330 012 701 024	15 m



R+M Nr.	↔
330 012 701 025	12 m
330 012 701 026	15 m





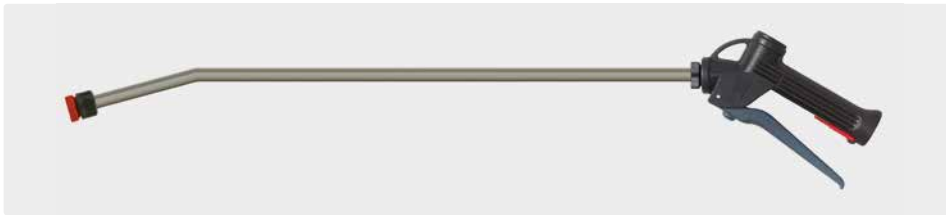
## Chemical spray guns ST-510 & lances

### Chemical spray guns ST-510 with lances



1,000 - 2,000 mm. Spray gun with telescopic lance made out of stainless steel and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

<b>R+M Nr.</b>		
200 510 600	1/2" F	1/2" F



600 mm. Spray gun with lance made out of stainless steel and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

<b>R+M Nr.</b>		
200 510 550	1/2" F	1/2" F



210 mm. Spray gun with lance made out of plastic and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

<b>R+M Nr.</b>		
200 510 710	1/2" F	1/2" F



300 mm. Spray gun with lance made out of stainless steel and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

<b>R+M Nr.</b>		
200 510 560	1/2" F	1/2" F

### Chemical spray gun ST-510



Gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 70 l/min / 50 °C

<b>R+M Nr.</b>		
200 510 500	1/2" F	1/2" F



600 mm. Spray gun with lance made out of plastic and nozzle nut without nozzle. Spray gun with stainless steel V4A / AISI 316 ball being resistant to chemicals. Max. 25 bar / 30 l/min / 50 °C

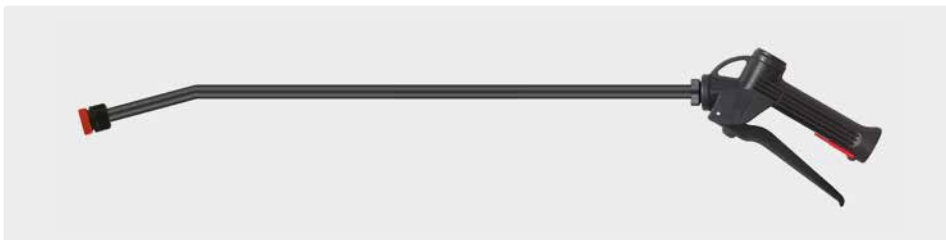
<b>R+M Nr.</b>		
200 510 700	1/2" F	1/2" F

### Filter



Plastic. Max. 50 °C

<b>R+M Nr.</b>
500 04



600 mm. Spray gun with lance made out of plastic and nozzle nut without nozzle. Spray gun with acid-resistant ball. Max. 25 bar / 30 l/min / 50 °C

<b>R+M Nr.</b>		
200 510 705	1/2" F	1/2" F

## Sprayer

### Industry Line

The sprayer of the series Industry line are special devices for extraordinary difficult applications such as car wash, oil platforms or industrial cleaning applications.

They are resistant to lots of chemicals which are used in industry.

Due to the acid-resistant lance, the EPDM / Viton seals and the extremely durable high-pressure container the devices are designed for the most difficult cleaning applications. Safety for the user is absolutely guaranteed.

#### Field of application

- » Oil industry
- » Chemical industry
- » Control of epidemics
- » Workshops and factories
- » Disinfection and rat control



R+M Nr.	Seal kit	⊖	⊓	⊘	⊔	VPE
106 995 070	EPDM	2.0 kg	470 mm	220 mm	7 l	1/4
106 995 090	EPDM	2.2 kg	570 mm	220 mm	9 l	1/4
106 995 120	EPDM	2.4 kg	600 mm	220 mm	12 l	1/4
106 995 070 1	Viton	2.0 kg	470 mm	220 mm	7 l	1/4
106 995 090 1	Viton	2.2 kg	570 mm	220 mm	9 l	1/4
106 995 120 1	Viton	2.4 kg	600 mm	220 mm	12 l	1/4

### Spare parts Industry Line



Telescopic lance with handle 700 - 1,350 mm

R+M Nr.
106 995 500



Lance tip with nozzle 1.5 mm

R+M Nr.
106 995 558



Hose 1.7 m

R+M Nr.
106 995 501



Seal kit Viton

R+M Nr.
106 995 503

### Spare parts Master Line

Seal kit EPDM

R+M Nr.
106 995 508

Seal kit Viton

R+M Nr.
106 995 502

### Ergo Industry



The compression sprayer of the series Industry line are modern hand pressure sprayer. Due to their user-friendly design and the excellent quality of their Viton seals they are the best on the market regarding technical solutions of compression sprayer.

#### Equipment

- » Nozzle consisting of a regulator for defining the stream angle
- » Interior filter being placed at the flexible intake pipe. **Upside down spraying is possible**
- » Durably efficient pump
- » Precision dosing valve. **With transparent volume scale on the tank**
- » Ergonomic shape. **On-off button for spraying at the handle**
- » The sprayer can be hung up by means of the hand grip

R+M Nr.	⊔	⊖	VPE
106 995 015 2	1.5 l	0.54 kg	1/12
106 995 020 2	2.0 l	0.60 kg	1/12

### Mini Line



The trigger sprayer of the series Mini line are used for manual spraying and sprinkling of plants in greenhouses, gardens, on terraces and balconies. The sprayer are equipped with technically advanced nozzles with adjustable stream angle. They are perfect devices for spraying liquid fertilizers, chemicals and for sprinkling water. All parts of the sprayer are made out of durable materials which are resistant to chemicals. The special spraying head of the Mini assures a very fine stream of liquid so that it does not weep. sealing: NBR

#### Equipment

- » Precision valve for an ideal spraying of liquids
- » Ergonomic spraying head is fitted with an easy pusher for spraying
- » Filter armed at the little intake pipe

R+M Nr.	⊔	⊖	VPE
106 995 005	0.5 l	0.10 kg	1/25
106 995 010	1.0 l	0.12 kg	1/60

Sprayer

**titan**

Titan is a modern and comfortable knapsack sprayer with viton seals. Titan knapsack is designed to make their exploitation and operation easy and comfortable. The lever can be adapted to either side of the sprayer to suit both right and left hand operators.

**Equipment:**

- » telescopic wand 75-135 cm
- » light-weight, hermetic (no-hole at the base) tank
- » transparent walls with a scale
- » strong, durable base
- » high efficient pump with glass balls inside the piston
- » 2 nozzles with regulation of stream angle MR1.5 (1.5 mm), MR1.0 (1.0 mm)
- » push-in valve (thumb control for instant on/off)
- » safety valve
- » in line filter
- » reinforced PCV hose 130 cm
- » extra spare parts and silicone smear enclosed



R+M Nr.	⊞	H x W x D	⊡	VPE
106 995 312	3.6 kg	610 x 400 x 150 mm	12 l	1
106 995 316	4.2 kg	610 x 410 x 180 mm	16 l	1
106 995 320	4.4 kg	610 x 410 x 205 mm	20 l	1

**AXEL**

After being filled (up to 2/3 l) and short pumping (up to 4 bar), the AXEL foam sprayer is immediately ready for use. Three more foam nozzles are included in the scope of supply. Depending on the foam carpet to be generated, they can be changed quickly. This is why this sprayer is unique in terms of its various fields of use. Thanks to the EPDM seals, the sprayer is perfectly suitable for a large number of cleaning agents/shampoos. When removing the foam nozzle inserts, AXEL 2000/3000 can be used like a normal pressure sprayer, too. This is why the AXEL foam sprayers are probably the best foam sprayers of this type available in the market.

**Equipment:**

- » incl. 3 more foam nozzles with exchangeable pads
- » EPDM seal kit



R+M Nr.	⊡	⊞	VPE
106 995 586	1.0 l	0.86 kg	1/12
106 995 587	2.0 l	0.89 kg	1/12

Symbols ⊞ weight ⊡ height ⊞ diameter VPE packing unit ⊡ volume

## Sprayer with pressure tank



- » The filling is very easy and effected by means of a plastic hopper to fill in.
- » 1/4" M connection to be attached at the compressed-air supply.
- » Max. 8 bar. Equipped with a default safety valve.
- » Chemically resistant hose 10 m. Spray lance 600 mm with nozzle. Fill level indication.
- » Suitable for the use in the car wash and industry.
- » **Available from 10 pieces in other RAL colors.**

R+M Nr.	TYP	📦
106 024 500	coated steel	24 l
106 050 500	coated steel	50 l
106 100 500	coated steel	100 l

## Foamer with pressure tank



- » The filling is very easy and effected by means of a plastic hopper to fill in.
- » 1/4" M connection to be attached at the compressed-air supply.
- » Max. 8 bar. Equipped with a default safety valve.
- » Chemically resistant hose 10 m. Foam lance 600 mm with nozzle head and 4 nozzles. Fill level indication.
- » Integrated dosing unit to realise the desired air/foam mixture. Permanent pressure exposure is required in order to achieve an uniform foam result.
- » Suitable for the use in the car wash and industry.
- » **Available from 10 pieces in other RAL colors.**

R+M Nr.	TYP	📦
106 024 550	coated steel	24 l
106 050 550	coated steel	50 l
106 100 550	coated steel	100 l

Suitable for keeping and application of liquids of the group 2 according to the directive EWG/67/548 Art. 2, para. 2 and directive EG/97/23 Art. 9. Not suitable for liquids of group 1 and especially strong alkaline solution and acids.

## Accessories for sprayer and foamer

Foam hoses	Spray hoses	Foam head	Nozzles			
Bayonet. 10 m	1/4" M. 10 m	1/2" M	Foamer. 55° 45	Foamer. 60° 25	Sprayer. 110° 04	Sprayer. 110° 045
R+M Nr. 106 901 01	R+M Nr. 106 911 01	R+M Nr. 106 906 0	R+M Nr. 609 805 59	R+M Nr. 609 802 59	R+M Nr. 609 110 04	R+M Nr. 609 110 045

Symbols TYP type 📦 volume shipment by truck

**Sprayer with pressure tank**



- » The filling is very easy and effected by means of a plastic hopper to fill in.
- » 1/4" M connection to be attached at the compressed-air supply.
- » Max. 8 bar. Equipped with a default safety valve.
- » Chemically resistant hose 10 m. Spray lance 600 mm with nozzle. Fill level indication.
- » Suitable for the use in the food industry, car wash and industry.

**Foamer with pressure tank**



- » The filling is very easy and effected by means of a plastic hopper to fill in.
- » 1/4" M connection to be attached at the compressed-air supply.
- » Max. 8 bar. Equipped with a default safety valve.
- » Chemically resistant hose 10 m. Spray lance 600 mm with nozzle. Fill level indication.
- » Integrated dosing unit to realise the desired air/foam mixture. Permanent pressure exposure is required in order to achieve an uniform foam result.
- » Suitable for the use in the food industry, car wash and industry.

R+M Nr.	TYP	Capacity
106 024 600	stainless steel AISI 304, V2A	24 l
106 050 600	stainless steel AISI 304, V2A	50 l
106 100 600	stainless steel AISI 304, V2A	100 l

R+M Nr.	TYP	Capacity
106 024 650	stainless steel AISI 304, V2A	24 l
106 050 650	stainless steel AISI 304, V2A	50 l
106 100 650	stainless steel AISI 304, V2A	100 l

Suitable for keeping and application of liquids of group 2 according to the directive EWG/67/548 Art. 2, para. 2 and directive EG/97/23 Art. 9. Not suitable for liquids of group 1.

**Accessories for sprayer and foamer**

Nozzle	Nozzle filters	Reduction nipples	Adaptor	Nut for nozzle	Seal
Sprayer. 100° 03	50 MESH	1/4" F : 1/2" M. Brass	Bayonet : 1/4" M	1/2" M	
R+M Nr. 609 110 03	R+M Nr. 106 909 2	R+M Nr. 575 40	R+M Nr. 106 900 1	R+M Nr. 554 714	R+M Nr. 106 909 3
		R+M Nr. 575 49			R+M Nr. 106 909 4



### Foam gun



#### Applications

Designed for applications with acidic and caustic cleaner, soaps, disinfectants, degreasing and softening agents. The field of application is very versatile.

- » Food industry and canteen kitchen
- » Sanitary facilities and swimming baths
- » Cleaning of trucks, cars and other vehicles
- » Garages and petrol stations
- » Shops and workshops

The foam gun directly connected to the public water pipe produces a cleaning foam by means of foam injector. The water pressure sucks in the cleaning agent and air, both are being mixed to consistent foam, sprayed out via the spraying head and the foam wand. The cleaning agent can also purposely and automatically be diluted via a built-in proportioner so that the right mixture of chemical and water as foam can be chosen for the cleaning application.

#### Technical specifications

Water pressure 2.5 - 6 bar (for maximum accuracy 3 - 4 bar)

Output 5.5 l/min

#### Mixing Ratio

Multi-ratio dial has 5 mixing settings and off

A	B	C	D	E	0
1:128	1:64	1:32	1:20	1:10	off



#### Features

- » Exceptional chemical resistance to acidic and caustic cleaner.
- » Foam generating wand creates a thick clinging foam.
- » Automatic dosing of chemicals.
- » Durable polymer mixing head with stainless steel screws.
- » Multi-ratio dial has 5 mixing settings and off.
- » Anti-siphon built into handle.
- » Gun is removable from quick coupling for clear rinsing with water.
- » Easy filling by means of wide mouth.
- » Only works with water pipe pressure.
- » Suitable for all customary water couplings.

R+M Nr.	☉	📦
106 996 500	incl. coupler plugs "universal"	1 l

Please use the backflow preventer (R+M Nr. 734 10) on page 26.

### easyclean365+ Gun

#### New improved version

The new cleaning wonder the so called **easyclean365+** Gun ensures the most professional and efficient interior and exterior cleaning of all kinds of dirt in the car wash sector.

From now on strenuous manual work together with different cleaning agents are not necessary anymore as the **easyclean365+** Gun removes chocolate on seats, dirt in ventilation ducts and also brake dust on wheel rims by its technically mature technology.

Thereby, it generates the cleaning efficiency of a rotary cutter - only a permanent compressed air connection for minimum 5.5 bar and a suitable cleaning agent are required and necessary. By the needed low water volume and the effect in depth of the dirt a speedy drying of the surfaces is guaranteed!

Save your **easyclean365+** Gun today and become acquainted with its convincing performance!

#### Technical specifications

Working pressure 5.5 - 9.0 bar

Air consumption 200 l/min

R+M Nr.	☉	📦
106 996 700	1/4" F	1 l



Symbols ☉ thread 📦 volume VPE packing unit M material

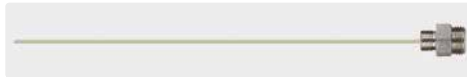
## easyclean365+ Gun

### Accessories easyclean365+ Gun



Discharge funnel

<b>R+M Nr.</b>
106 996 710



Spray hose

<b>R+M Nr.</b>
106 996 711



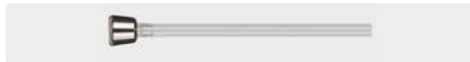
Bottle 1 l

<b>R+M Nr.</b>
106 996 713



Plug for compressed air

<b>R+M Nr.</b>
555 30



Suction hose

<b>R+M Nr.</b>
106 996 717



Weighted tube ass'y

<b>R+M Nr.</b>
106 996 712

## easyclean365+ microfibre cloths



Excellent water absorption and high absorption speed by polyurethane skin which treats the surfaces with care.

According to the principle "completely clean with only one wipe". Even spots like fingerprints are removed in the twinkling of an eye and the surfaces gleam in mint condition.

Washable and usable several times.

Water drops on the surfaces after cleaning are a thing of the past and the use of any detergents is dropped.






Due to the interwoven and strong texture the microfibre cloth is tear-resistant. Furthermore, it is lint-free, antibacterial, very kind to your skin and anti-allergic.

Composition: PET/PA microfibre, high-tech polyurethane.

### easyclean365+ microfibre cloth WA 1400



The extremely absorbent drying wonder! Ideal for the professionally exterior cleaning of vehicles, car finish, motorcycles, catering trade, kitchen & bathroom. Single pack with European perforation and product code.

Size: 37.5 x 40 cm     

R+M Nr.	(M)	(VPE)
951 700 611	PET/PA microfibre, high-tech polyurethane	10
951 700 650	PET/PA microfibre, high-tech polyurethane	50

### easyclean365+ microfibre cloth WA 1400



The extremely absorbent drying wonder! Ideal for the professionally exterior cleaning of vehicles, car finish, motorcycles, catering trade, kitchen & bathroom.






Size: 44 x 50 cm     

R+M Nr.	(M)	(VPE)
951 700 601	PET/PA microfibre, high-tech polyurethane	10
951 700 605	PET/PA microfibre, high-tech polyurethane	50

### easyclean365+ microfibre cloth WA 600



The streak-free cleaning wonder! Ideal for the professionally interior cleaning of vehicles, car finish, motorcycles, catering trade, kitchen & bathroom. Single pack with European perforation and product code.






Size: 35 x 40 cm     

R+M Nr.	(M)	(VPE)
951 700 710	PET/PA microfibre, high-tech polyurethane	10
951 700 750	PET/PA microfibre, high-tech polyurethane	50

### easyclean365+ microfibre cloth WA 1400



The extremely absorbent drying wonder! Ideal for the professionally exterior cleaning of vehicles, car finish, motorcycles, catering trade, kitchen & bathroom.

Size: 45 x 50 cm     

R+M Nr.	(M)	(VPE)
951 700 510	PET/PA microfibre, high-tech polyurethane	10
951 700 550	PET/PA microfibre, high-tech polyurethane	50

### Mosmatic air spinner system

The air spinner system is a novelty used in the self-service car wash. It is especially designed for outdoor vacuum cleaner and self-service drying plants. The air spinner system eliminates the use of floor hoses so that the user has more room to move.

#### Air system spinner LU-W for wall fastening



R+M Nr.	↔	M	⊙	⊞
108 603 11	1,600 mm	stainless steel	⊙ 50 mm	8.0 kg

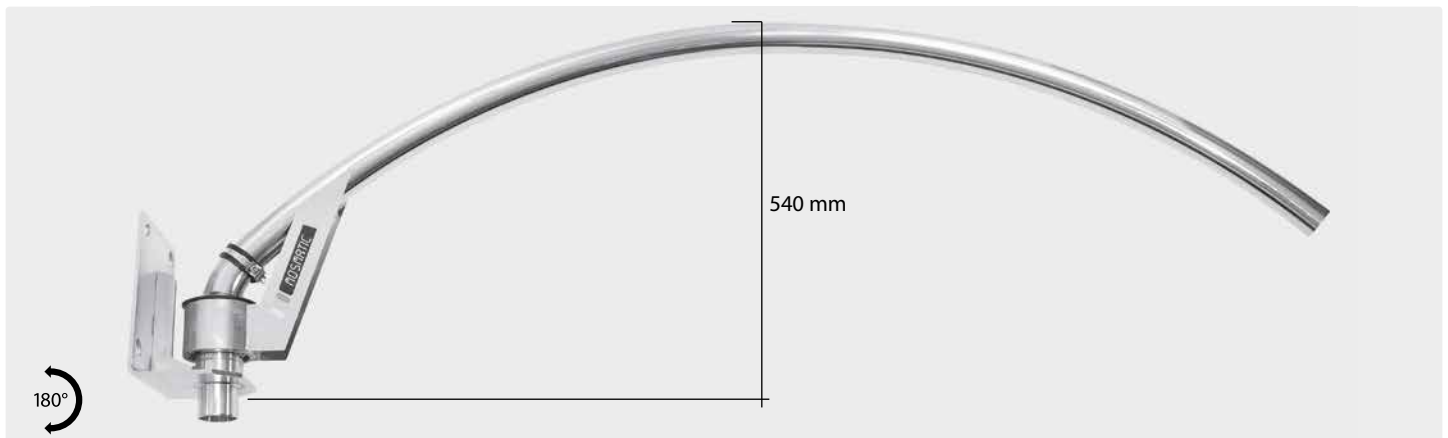
#### Air system spinner LU-D for ceiling fastening



R+M Nr.	↔	M	⊙	⊞
108 603 10	1,600 mm	stainless steel	⊙ 50 mm	8.0 kg

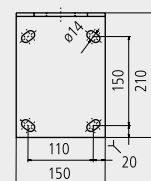


R+M Nr.	↔	M	⊙	⊞
108 603 13	1,600 mm	stainless steel	⊙ 50 mm	8.0 kg



R+M Nr.	↔	M	⊙	⊞
108 609 58	1,750 mm	stainless steel	⊙ 50 mm	8.6 kg

Wall plate



Symbols ↔ length M material ⊙ thread ⊞ weight ⊘ diameter V voltage W watt

## Mosmatic air spinner system

Air system spinner LU-B for floor fastening



360°

Spinner with a moving radius of 360°. Height 3,100 mm

R+M Nr.	↔	M	⊙	⊠
108 603 12	1,600 mm	stainless steel	⊙ 50 mm	18.0 kg

### 90° elbow pipe



1 pipe clamp

R+M Nr.	⊙
108 603 14	⊙ 50 mm

### Extension



1 pipe clamp. 1,000 mm

R+M Nr.	⊙
108 603 15	⊙ 50 mm

### Rotating socket



1 pipe clamp

R+M Nr.	⊙
108 603 23	⊙ 50 mm

### Clip flue



2 pipe clamps. ↔ Max. 1.5 m

R+M Nr.	⊙
108 603 20	⊙ 50 mm

System is also available in 40 mm.

## Mosmatic self-service air dryer



### To easily dry in a quick and uncomplicated way!

Substantially reduces water spots, no impairment of the paint – both in summer and winter. The strong blower and the especially moulded air nozzle guarantee a polished and spotless result. It dries the smallest gaps such as door joints, wing mirrors, radiator grills etc. and really eliminates water spots. Combined with a Mosmatic air spinner system the dryer is for sure an interesting and very profitable attraction at your wash bay.

**Attention:** Connection should be carried out by authorised staff only!

### Specifications

Dimension drying unit	533 mm x 533 mm.
Dimension universal plate	421 mm x 421 mm



Drying unit with 75 cm hose connection ⊙ 50 mm, universal plate for mounting the dryer, special air nozzle with 4.5 m hose connection ⊙ 50 mm, wall holder for mounting the special air nozzle, information and operation sign.

R+M Nr.	V	W
108 603 96	220 - 240 Volt 50 / 60 Hz	2 motors à 1,600 Watt





**Underbody lance ST-97.1**

Material stainless steel. Rolls: POM. Pipe: stainless steel, plastic-coated. Max. 40 l/min. 100 °C. 3 nozzles 1/8" M are required. Spraying angle of 25°



R+M Nr.	⊘	⊖	spray gun	P	↔	⊘ rolls
200 097 801	3/8" F	3 x 1/8" F	ST-601 standard	180 bar	1,700 mm	60 mm
200 097 803	3/8" F	3 x 1/8" F	ST-601 weep	180 bar	1,700 mm	60 mm
200 097 802	3/8" F	3 x 1/8" F	ST-601 freeze stop	180 bar	1,700 mm	60 mm

**Hurricane**

- » Ergonomical and versatile
- » Requires 2 HP-nozzles
- » Incl. HP gun
- » Easy to maneuver
- » High rpm stainless steel swivel features reinforced self lubricated stainless steel ball bearings for improved performance. The dual spring based carbide seal system, guarantees long lasting operation under tough conditions
- » **Delivery about 3 weeks**

Manual underbody washing made easy. The handy Hurricane is versatile as for example for cars, trucks, agricultural and construction machines. The object to be cleaned does not even need to be on a lifting platform.



R+M Nr.	⊘	min. clearance	⊖	°C	P	castor-⊘	⊘	⊖
108 806 91	520 mm	165 mm	2 x HP-nozzles 15°, 1/8"	120°	275 bar	1x 60, 2x 100 mm	3/8" F	12.4 kg
108 806 93	520 mm	230 mm	2 x nozzle tips 15°	120°	275 bar	1x 60, 2x 100 mm	3/8" F	15.1 kg



**Mosmatic surface cleaner with air recovery system and integrated gum remover**



- » Such as the other devices of the FL-AH series the new FL-AH-KAU is a record performance regarding quality, finish and excellent cleaning result. We do not know anybody who has not yet seen places such as railway stations, stadiums, schools and many more which are covered with hundreds of chewing gums. This development is the best solution against this appearance!
- » In order to ensure an effective removal of the gums the special nozzle is positioned behind the stainless steel cap. The surface is cleaned in a conventional way by means of the gun which is mounted at the right side. In case of removing stubborn dirt e.g. chewing gums the special nozzle is switched on by the gun mounted at the left side. The gums are cut up and totally removed by the hp jets and finally sucked in.
- » By means of four 100 mm plastic rolls the surface cleaner can be easily moved.
- » The frame as well as all mounting parts made out of stainless steel offer additional stability. Best cleaning results are achieved due to the height adjustable housing.
- » The swivel has reinforced self-lubricating stainless steel ball bearings and a dual spring based carbide seal system especially designed for higher revs. This combination guarantees a very long durability.
- » 2 spray guns ST-2605 equipped with the patented LTF technology, 2 hp nozzles 15° 03 and a special nozzle for the removal of chewing gums are included. Further nozzle sizes are available on request.
- » Suitable for 50 mm suction hose. Suction hose is excluded.
- » Max. 350 bar / 120 °C. Min. 15 l/min / 250 bar

R+M Nr.	∅	Ⓒ	Ⓢ
108 809 61	520 mm	3/8" F	20 kg

**LTF - Low Trigger Force 90 % reduced holding force and 40 % reduced trigger force against usual market guns.**

**Mosmatic floor cleaner**

**FL-ABB 200**



Stainless steel. 2 flat stream nozzles 15° 1/8" M are required.  
Min. 18 l/min / 150 bar.  
Max. 350 bar / 120 °C

- » Floor cleaner - graffiti removing by means of suction system
- » Field of application: graffiti removing, restoration of different surfaces, maintenance of buildings and exclusively designed for applications with high water pressure
- » Suitable for applications from the outside e.g. concrete, brick, lime stone buildings or wooden surfaces
- » Suitable for 50 mm suction hose
- » Our spray gun ST-2605 (202 605 500) equipped with the patented LTF system is recommended for effortless cleaning applications
- » The high pressure gun and nozzles are excluded

R+M Nr.	∅	Ⓒ	Ⓢ
108 780 35	200 mm	1/4" F	2.7 kg

**FL-EB 200**



Stainless steel. 2 flat stream nozzles 15° 1/8" M are required.  
Max. 275 bar / 120 °C

- » Floor cleaner - economy
- » This multifunction floor cleaner is especially designed for all applications such as brick-lined walls, boat walls, bases, stairs, sidewalks, windows etc.
- » Our spray gun ST-2605 (202 605 500) equipped with the patented LTF system is recommended for effortless cleaning applications
- » The high pressure gun and nozzles are excluded

R+M Nr.	∅	Ⓒ	Ⓢ
108 780 02	200 mm	1/4" F	2.7 kg

Symbols ∅ diameter Ⓢ outlet Ⓒ inlet P pressure Ⓢ weight °C temperature

## easywash365+ vertical boom

**Absolutely new in the car wash industry!**

- » Completely made out of stainless steel
- » Rotatable by 360°
- » Solid construction
- » Spring action

The vertical boom for single washing bays! This cost-efficient solution is ideal for smaller self-service motorcycle, bicycle or car washing bays. It is not absolutely imperative that the boom is incorporated in the technical board as it can be easily mounted on the wall. Therefore, the vertical boom is also the perfect solution for areas with a shortage of space. Due to its compact design not much room is needed, but however a high degree of mobility is given. The radius of 360° as well as the built-in spring guarantee best possible mobility when carrying out the washing.

The **easywash365+** vertical boom is completely made out of stainless steel. A mounting bracket is included in the consignment.

**Technical specifications:**

Height 2,008 mm.  
Weight 4.4 kg

R+M Nr.  
108 607 01

## easywash365+ suction swivel arm

**New for self-service vacuum cleaning**

- » entirely made out of stainless steel
- » solid construction
- » suspension

The vertical **easywash365 + suction swivel arm** for self-service!

This cost-effective solution is ideal for single suction places. In this case, the arm does not necessarily have to be integrated into the cabinet technology, but can be easily mounted on a wall. Perfect if space might be limited, because due to its construction this boom needs little space and bending over offers a lot of mobility.

The built-in spring prevents kinking of the suction hose and allows a barrier-free handling with optional freedom of mobility.

The vertical **easywash365 + suction swivel arm** is completely made out of stainless steel and is supplied including a mounting bracket.

Height 2,320 mm.  
Tube height 1,500 mm.  
Internal tube diameter of 65 mm.  
Weight 10.1 kg

R+M Nr.  
109 001 500

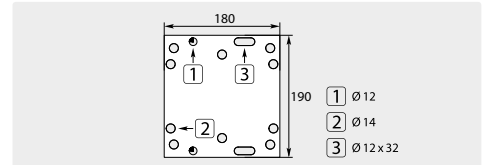
Symbols length inlet outlet weight diameter

## easywash365+ car wash ceiling booms

### easywash365+ standard



Stainless steel. Ready for installation with two integrated swivels and professional high pressure hose with spring and integrated hose bend restrictors. Axle 2-ball bearings and permanently lubricated. Max. 275 bar / 90 °C.

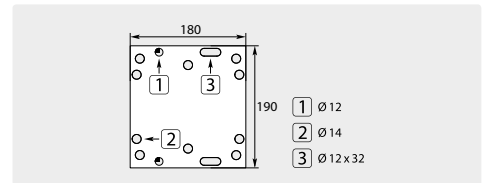


R+M Nr.	↔	⌚	↻	⊠
109 766 954	1,750 mm	1/4" F	1/4" M	8.0 kg

### easywash365+ double ceiling booms



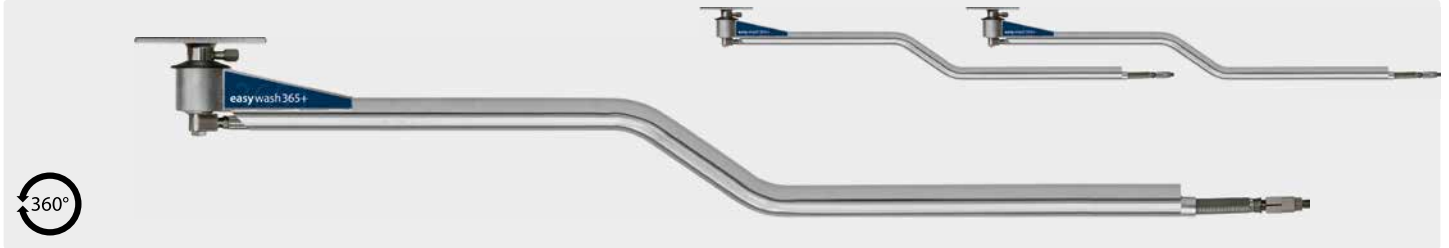
Stainless steel. Ready for installation with three integrated swivels, professional high pressure hose with spring and integrated hose bend restrictors. Axle 2-ball bearings and permanently lubricated. Especially developed for 2 different application mediums. Max. 275 bar / 90 °C



R+M Nr.	↔	⌚	↻	⊠
109 767 921	1,600 mm / 1,750 mm	1/4" F	1/4" M	13.5 kg

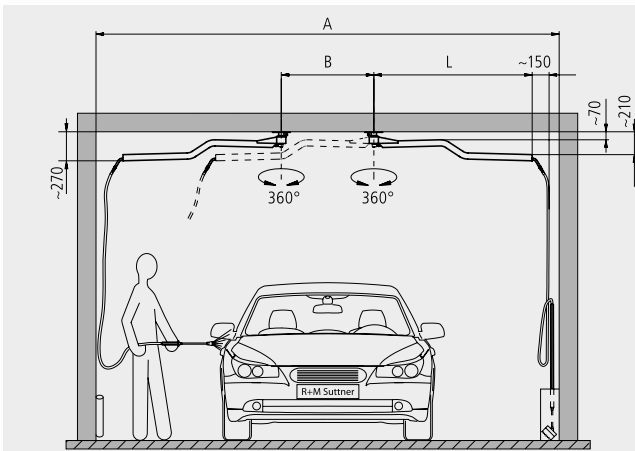
easywash365+ car wash ceiling booms

easywash365+ car wash ceiling boom-Z



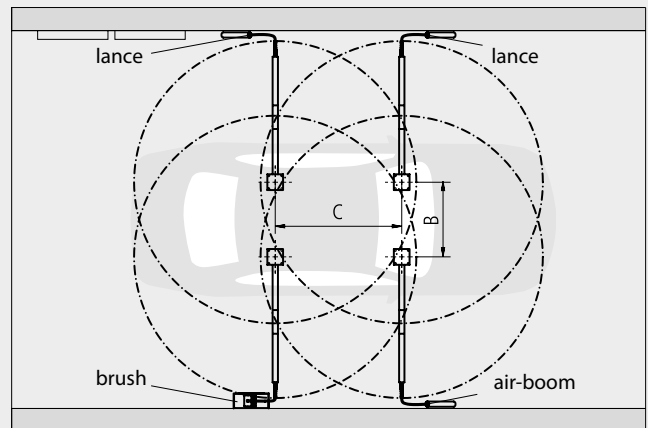
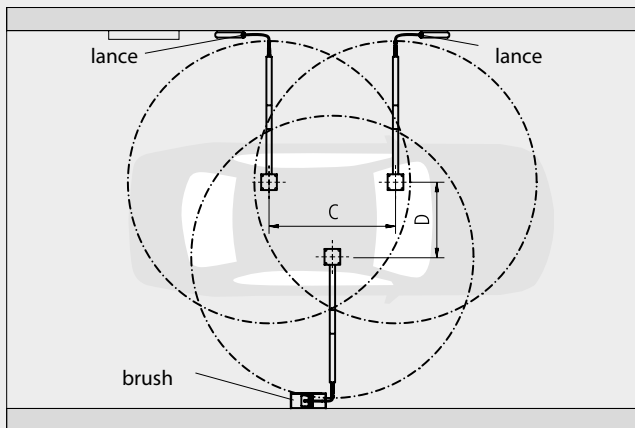
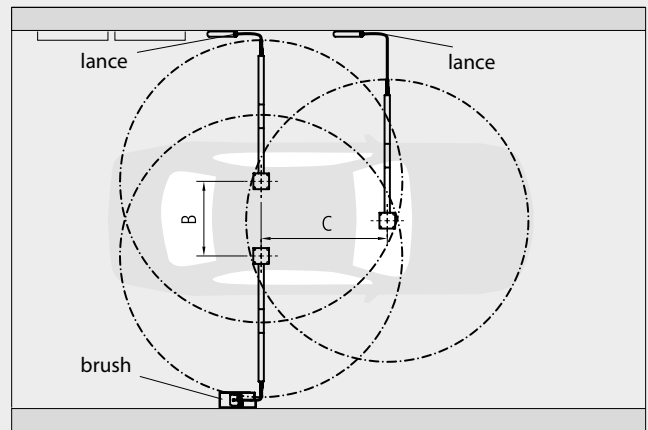
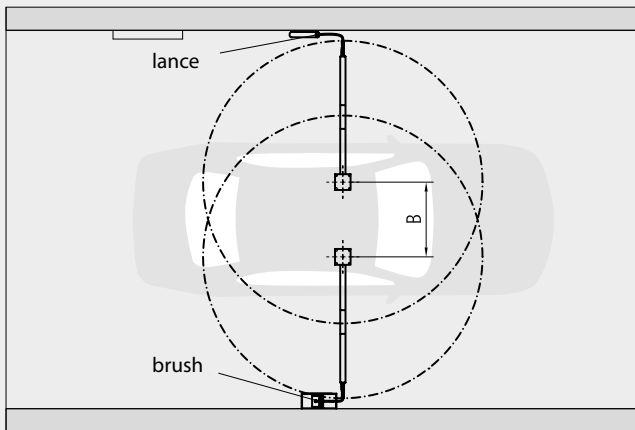
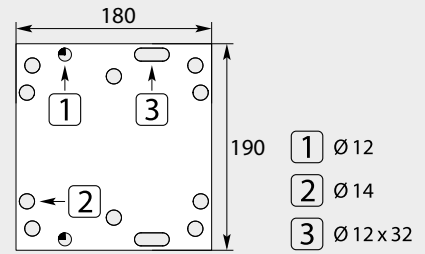
Stainless steel. Ready for installation with two integrated swivels and professional high pressure hose with spring and integrated hose bend restrictors. Axle 2-ball bearings and permanently lubricated. Especially designed for using two booms side by side. Max. 275 bar / 90 °C

R+M Nr.				
109 765 926	1,550 mm	1/4" F	1/4" M	8.0 kg



Mounting example for ceiling boom-Z

- A = 4,600 mm
- B = 900 mm
- C = 1,500 mm
- D = 750 mm
- L = 1,550 mm



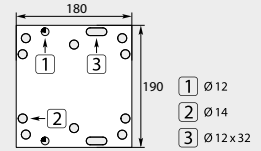
## easywash365+ car wash ceiling booms with suspension

### easywash365+ standard



Stainless steel. Ready for installation with two integrated swivels and professional high pressure hose with spring and integrated hose bend restrictors. Axle 2-ball bearings and permanently lubricated. Max. 275 bar / 90 °C.

R+M Nr.	↔	⊕	⊖	⊞
109 766 972	1,750 mm	1/4" F	1/4" M	8.0 kg

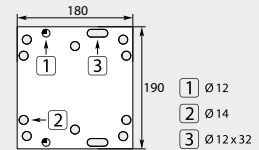


### easywash365+ car wash ceiling boom-Z



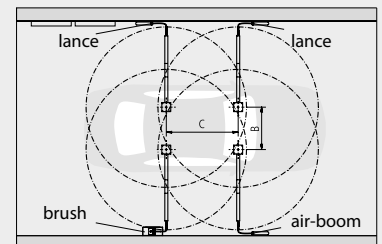
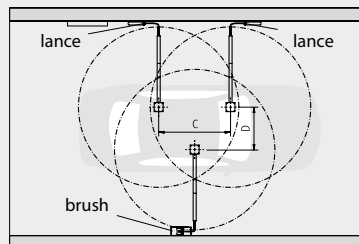
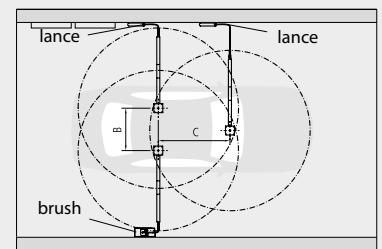
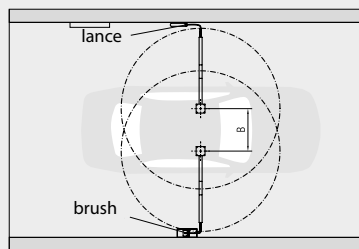
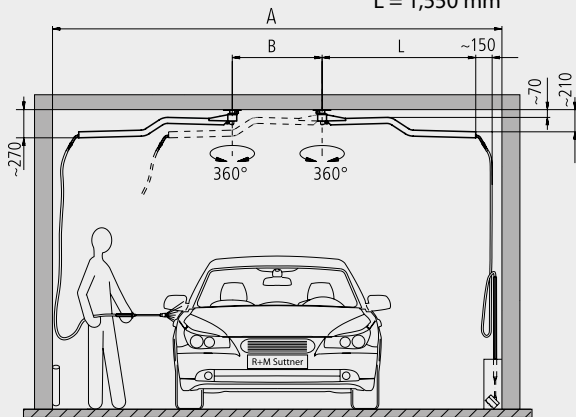
Stainless steel. Ready for installation with two integrated swivels and professional high pressure hose with spring and integrated hose bend restrictors. Axle 2-ball bearings and permanently lubricated. Especially designed for using two booms side by side. Max. 275 bar / 90 °C

R+M Nr.	↔	⊕	⊖	⊞
109 765 978	1,550 mm	1/4" F	1/4" M	8.0 kg



Mounting example for ceiling boom-Z

- A = 4,600 mm
- B = 900 mm
- C = 1,500 mm
- D = 750 mm
- L = 1,550 mm



Symbols ⊕ diameter ⊕ inlet ⊖ outlet ⊞ weight ↔ length



**easywash365+ car wash ceiling booms**

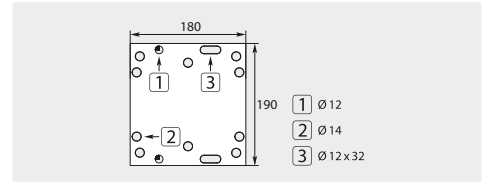
**easywash365+ double ceiling booms with suspension**



Stainless steel. Ready for installation with three integrated swivels, professional high pressure hose with spring and integrated hose bend restrictors. Axle 2-ball bearings and permanently lubricated. Especially developed for 2 different application mediums.

Max. 275 bar / 90 °C

R+M Nr.	↔	⌚	↺	⊠
109 763 904	1,600 mm / 1,750 mm	1/4" F	1/4" M	13.5 kg



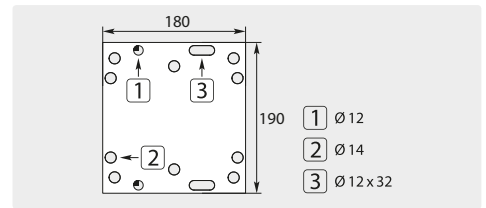
**easywash365+ motorcycle ceiling booms**



Stainless steel. Ready for installation with two integrated swivels and professional high pressure hose with spring and integrated hose bend restrictors. Axle 2-ball bearings and permanently lubricated. Especially designed for using in motorcycle bays.

Max. 275 bar / 90 °C

R+M Nr.	↔	⌚	↺	⊠
109 766 956	850 mm	1/4" F	1/4" M	5.9 kg



**Swivels for easywash365+ ceiling booms**



1/4" M BSP : 3/8" F NPT

R+M Nr.
108 409 26



1/4" M BSP : 3/8" F NPT

R+M Nr.
108 329 27

**Wall mounts**



Stainless steel V2A / AISI 304. For easywash365+ and Mosmatic ceiling booms

R+M Nr.
109 721 047

**Positioner**



Positioner with solenoid. By means of a positioning device the Mosmatic ceiling boom-Z can easily be parked in the desired position.

R+M Nr.
108 659 11

**Replacement hoses**

**easywash365+**

Hoses for easywash365+ ceiling booms

R+M Nr.	↔
340 144 000 994 9	850 mm
340 144 001 694 9	1,550 mm
340 144 001 744 9	1,600 mm
340 144 001 894 9	1,750 mm
340 144 002 034 9	2,050 mm

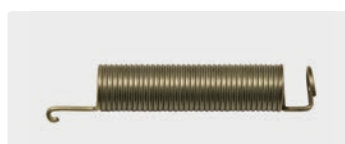
**Mosmatic**

Hoses for Mosmatic ceiling booms

R+M Nr.	↔
346 176 001 67	1,550 mm
346 176 001 72	1,600 mm
346 176 001 87	1,750 mm
346 176 002 00	1,900 mm
346 176 002 15	2,050 mm
346 176 002 35	2,250 mm
346 176 002 60	2,500 mm

**Replacement spring**

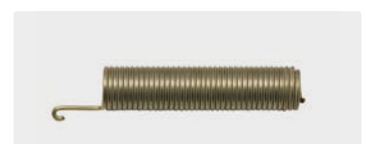
**easywash365+**



Replacement spring for easywash365+ ceiling booms

R+M Nr.
108 901 858

**Mosmatic**



Replacement spring for Mosmatic ceiling booms

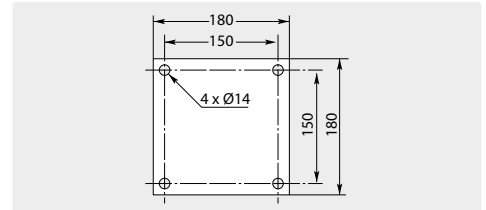
R+M Nr.
108 375 70

## Mosmatic car wash ceiling booms

### Mosmatic standard



Stainless steel. Ceiling boom with ball bearing swivels. Maintenance-free. Connection with swivel. Max. 275 bar / 90 °C

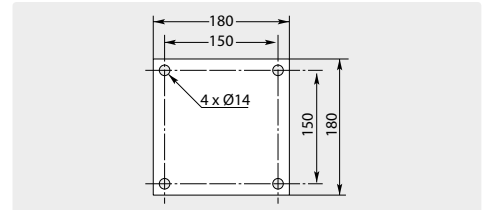


R+M Nr.	↔	⊕	⊖	⊞
109 717	1,750 mm	1/4" F	1/4" M	10.5 kg

### Mosmatic car wash ceiling boom-Z with insulated high pressure hose



Stainless steel. Ready for installation with two integrated swivels. Especially designed for using two booms side by side. Insulated high pressure hose. Max. 275 bar / 90 °C. **Attention: Delivery time of approx. 2 weeks!**

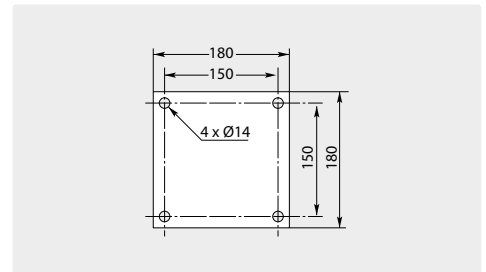


R+M Nr.	↔	⊕	⊖	⊞
108 650 11	1,550 mm	1/4" F	1/4" M	9.9 kg

### Mosmatic double ceiling booms with insulated high pressure hoses



Stainless steel. Ready for installation with three integrated swivels, professional high pressure hose with spring and integrated hose bend restrictors. Axle 2-ball bearings and permanently lubricated. Especially developed for 2 different application mediums. Max. 275 bar / 90 °C. **Attention: Delivery time of approx. 2 weeks!**



R+M Nr.	↔	⊕	⊖	⊞
108 674 23	1,750 mm / 1,900 mm	1/4" F	1/4" M	19.2 kg
108 674 33	1,900 mm / 2,050 mm	1/4" F	1/4" M	19.5 kg
108 674 43	2,050 mm / 2,250 mm	1/4" F	1/4" M	19.8 kg
108 674 53	2,250 mm / 2,500 mm	1/4" F	1/4" M	21.1 kg

Symbols ⊕ diameter ⊕ inlet ⊖ outlet ⊞ weight ↔ length

### Mosmatic car wash ceiling booms with LED

- » Modern visual effects
- » Visualisation of the wash cycles
- » Additional lighting for the wash bay
- » Stand out above competition
- » **Delivery about 3 weeks**

The worlds first for the self-service car wash. The LED Boom can be synchronized with your wash cycle to visualize your wash program. The LED ceiling boom is not only an eye-catcher for self-service car washes, but also provides additional lighting for the bay adding safety for your clients. This is product should be installed by a certified electrician.



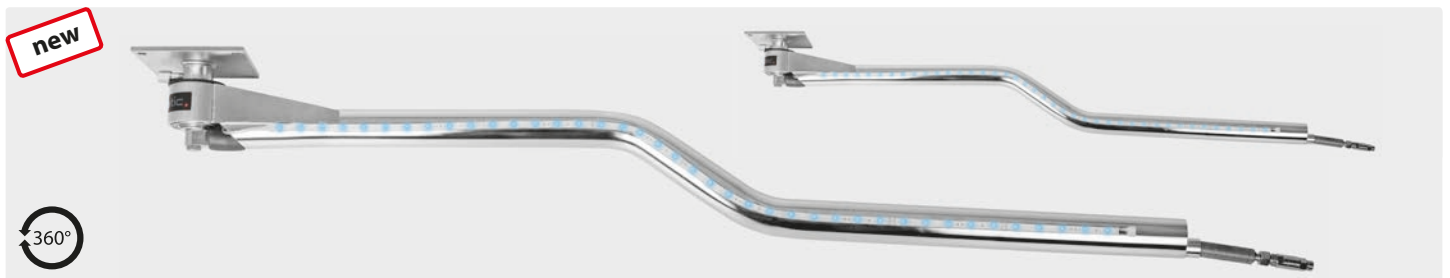
#### Mosmatic standard with LED



Ceiling boom with ball bearing swivels. Maintenance-free. Connection with swivel

R+M Nr.	M	↔	P	G	⊖	V	LED/m	IP code	light intensity	°C	⊞
108 662 23	stainless steel	1,750 mm	275 bar	1/4" F	1/4" M	24	30	IP 66	120 lx	90° C	10.2 kg

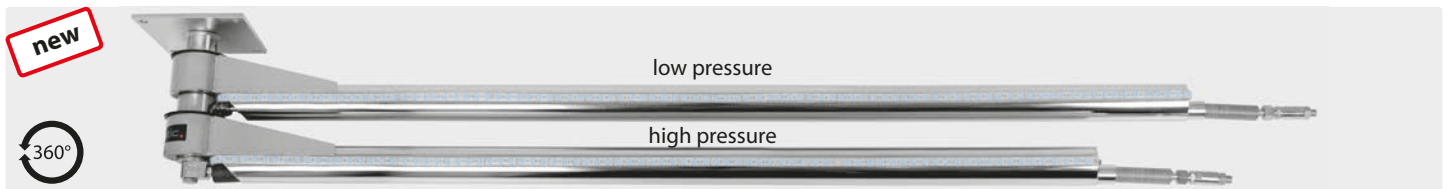
#### Mosmatic car wash ceiling boom-Z with LED



Ready for installation with two integrated swivels. Especially designed for using two booms side by side. Insulated high pressure hose

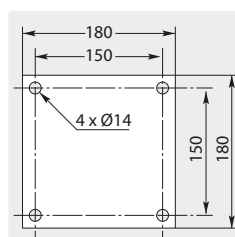
R+M Nr.	M	↔	P	G	⊖	V	LED/m	IP code	light intensity	°C	⊞
108 652 13	stainless steel	1,550 mm	275 bar	1/4" F	1/4" M	24	30	IP 66	120 lx	90° C	10.1 kg

#### Mosmatic double ceiling booms with LED



Ready for installation with three integrated swivels, professional high pressure hose with spring and integrated hose bend restrictors. Axle 2-ball bearings and permanently lubricated. Especially developed for 2 different application mediums

R+M Nr.	M	↔	P	G	⊖	V	LED/m	IP code	light intensity	°C	⊞
108 676 13	stainless steel	1,600 / 1,750 mm	275 bar	1/4" F	1/4" M	24	30	IP 66	120 lx	90° C	18.9 kg



#### LED-Controller

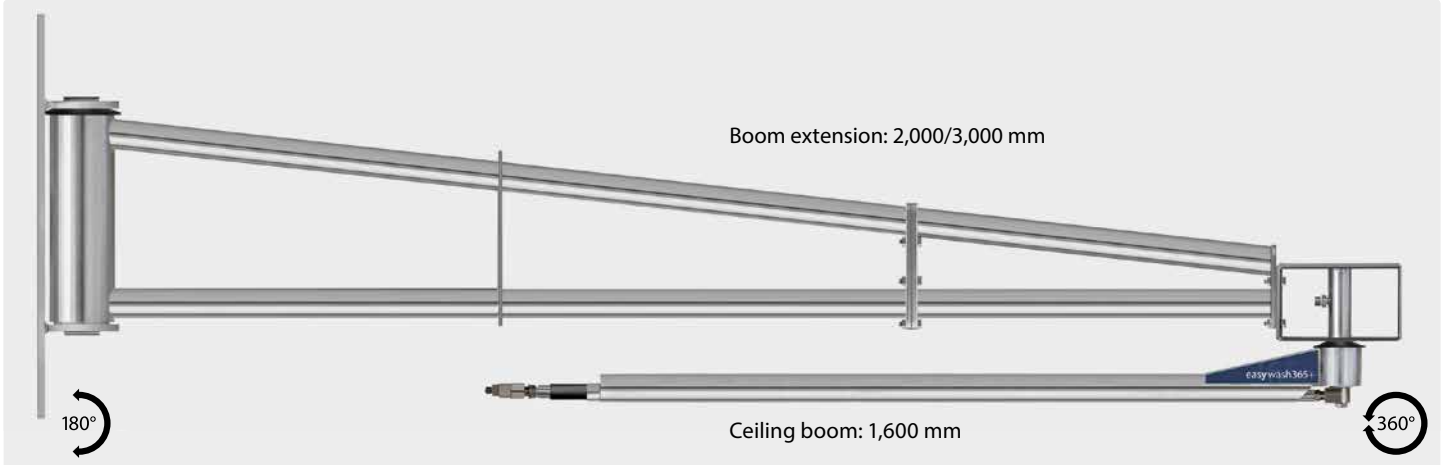
Controller, power supply, remote control, receiver with housing. For max. 2 booms

R+M Nr.

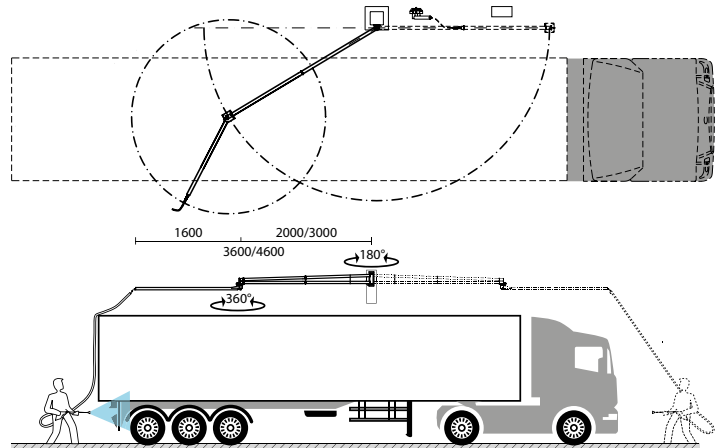
108 659 75

## easywash365+ wall boom extension with ceiling boom

### Wall boom extension with ceiling boom



- » Designed for washing large vehicles
- » Ceiling boom swivelling 360°, wall boom swivelling by 180°
- » Maintenance-free ball bearing swivels
- » Optionally available counter plate
- » Total length of up to 4,600 mm
- » Max. 275 bar / 120 °C
- » Connection: 3/8" M
- » Material: stainless steel



### easywash365+ wall boom extension with ceiling boom

R+M Nr.	↔	⊕	⊖
109 760 972	2,000 + 1,600	3/8" M	3/8" M
109 760 973	3,000 + 1,600	3/8" M	3/8" M

### easywash365+ wall boom counter plate

Stainless steel. 10 mm

#### R+M Nr.

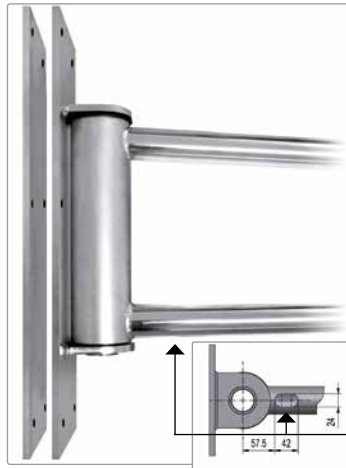
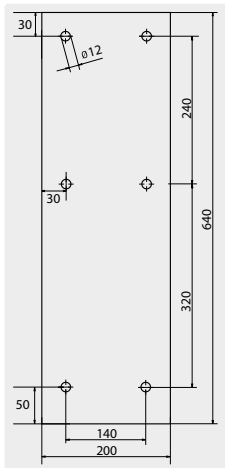
109 790 419 3

### High pressure hose for easywash365+ boom extension

3/8" DKR : 3/8" DKR - 90°. 2 SC. DN 8. Black

#### R+M Nr.

345 154 002 11	↔	2,100
345 154 003 11		3,100



**Top connection:** robust bracket for safe assembly of the boom

**Very robust** and welded attachment with an optionally available counter plate for your safety (screws M12)

**Pass:** high pressure hose for wall boom extension is optionally available

**easywash365+ wall and ceiling booms**

High pressure ceiling boom including high pressure hose for walls and ceiling



- » Assembly at walls or ceiling
- » High pressure hose including, DN 8, black
- » Ceiling boom swivelling by 360°, 180° in case of wall assembly
- » Ball bearing swivel
- » Total length of up to 2,500 mm
- » Max. 275 bar / 120 °C
- » Connection: 3/8" M
- » Material: stainless steel

**easywash365+ wall and ceiling booms**

Stainless steel. Boom with ball bearing swivel and high pressure hose. DN 8. Maintenance-free. Max. 275 bar / 120 °C

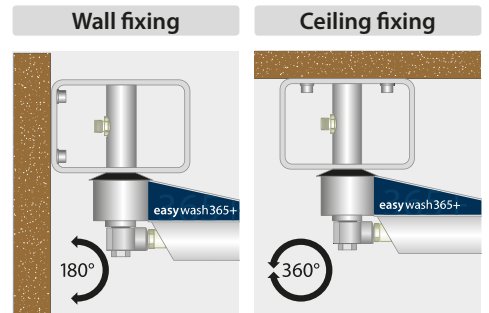
R+M Nr.	↔	⊕	⊖
109 766 970	1,600 mm	3/8" M	3/8" M
109 766 971	2,000 mm	3/8" M	3/8" M
109 766 973	2,500 mm	3/8" M	3/8" M



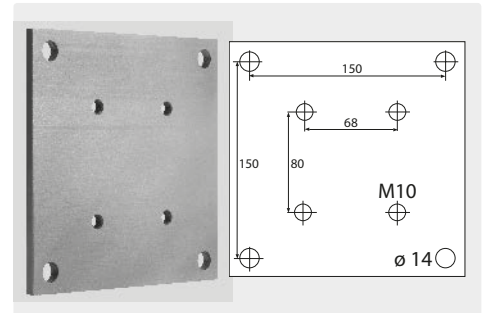
Tip: 3/8" M connection for high pressure hose with o-ring

**Replacement hoses**

R+M Nr.	↔
355 144 001 758 4	1,600 mm
355 144 002 198 4	2,000 mm
355 144 002 648 4	2,500 mm

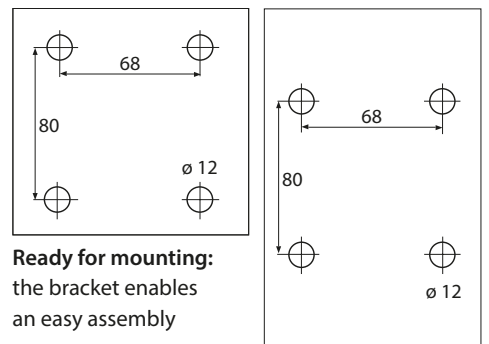


**easywash365+ mounting plate**



For walls and ceiling. Stainless steel. 180 x 180 mm. Thickness: 8 mm. 4 x M10

R+M Nr.
109 790 461 4

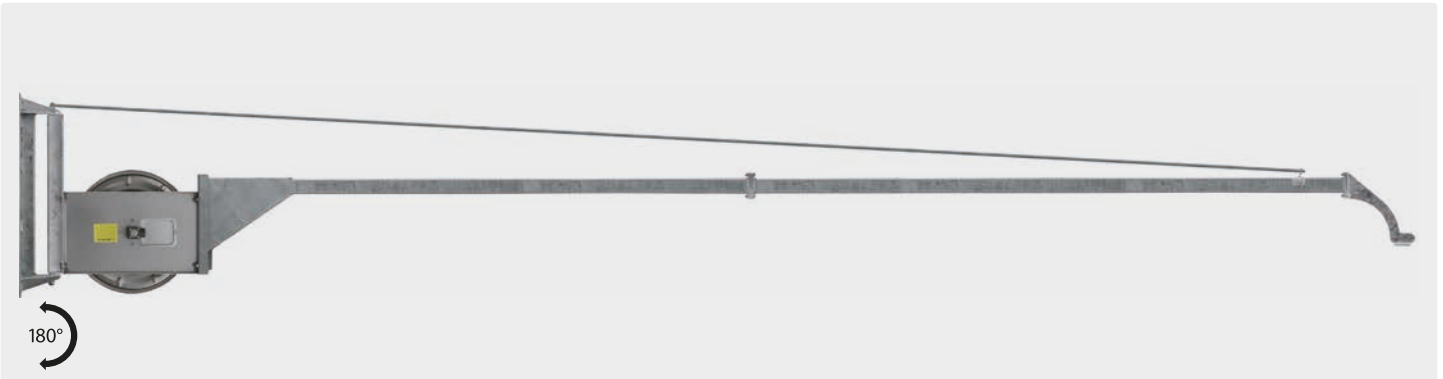


Ready for mounting: the bracket enables an easy assembly



## R+M car wash booms

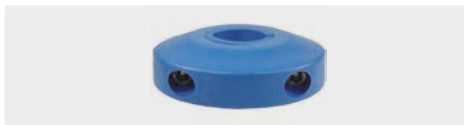
### R+M booms with hose reel ST 14



Zinc-plated steel. Extension with hose reel ST 14 made out of stainless steel.  
 Hose capacity outer  $\varnothing$  = hose  $\varnothing$  15 mm  $\cdot$  20 mm = 12 m.  
 Without high pressure hose. Max. 300 bar

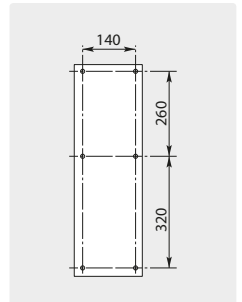
R+M Nr.	$\varnothing$	$\odot$	$\ominus$	$\boxplus$
109 825	2,570 mm	3/8" F	3/8" F	45.0 kg
109 835	3,570 mm	3/8" F	3/8" F	50.0 kg
109 845	4,570 mm	3/8" F	3/8" F	54.0 kg

### Hose stopper



Hose stop with six exchangeable inserts.  
 Hose  $\varnothing$  10 - 34 mm

R+M Nr.
741 03



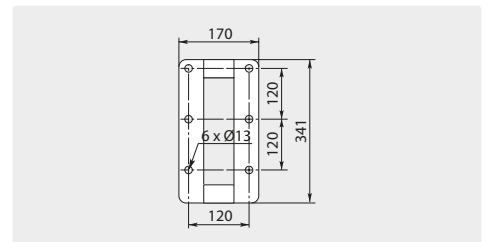
## R+M car wash booms

### R+M booms with pressure pipe



Zinc-plated steel. Pipe zinc-plated steel. Maintenance-free. Max. 400 bar

R+M Nr.	$\varnothing$	$\odot$	$\ominus$	$\boxplus$
109 10	2,000 mm	1/4" M	1/4" M	12.0 kg
109 20	2,500 mm	1/4" M	1/4" M	14.0 kg
109 30	3,000 mm	1/4" M	1/4" M	15.0 kg
109 40	3,500 mm	1/4" M	1/4" M	17.0 kg




Symbols  $\varnothing$  length  $\odot$  inlet  $\ominus$  outlet  $\boxplus$  weight  $\varnothing$  diameter shipment by truck

## R+M car wash booms

## R+M booms with hose carrier



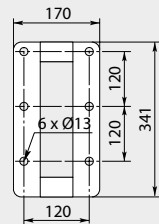
Zinc-plated steel. Maintenance-free. Trolley zinc-plated steel  
 ∅ 17 - 25 mm

R+M Nr.	↔	hose reel trolleys	⊞
109 506	3,000 mm	3 pieces	12.0 kg
109 516 	4,000 mm	4 pieces	14.0 kg



## Hose trolleys



R+M Nr.  
107 308 001



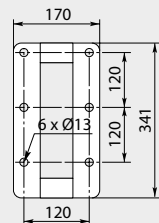
Zinc-plated steel. Maintenance-free. Trolley zinc-plated steel  
 ∅ 17 - 25 mm

R+M Nr.	↔	hose reel trolleys	⊞
109 526 	5,000 mm	5 pieces	38.0 kg
109 536 	6,000 mm	6 pieces	43.0 kg

## Hose trolleys



R+M Nr.  
107 308 001



Symbols  height  length  weight  diameter  shipment by truck

## Suttner swivels

### ST-300 swivels



3/8" M : 3/8" F. Stainless steel / nickel-plated brass. Max. 275 bar / 90 °C

<b>R+M Nr.</b>	
200 300 010	45 mm



Repair kit

<b>R+M Nr.</b>
200 300 100

### ST-300 swivels



1/4" F : 3/8" F. Stainless steel / nickel-plated brass. Max. 275 bar / 90 °C

<b>R+M Nr.</b>	
200 300 050	57 mm



Repair kit

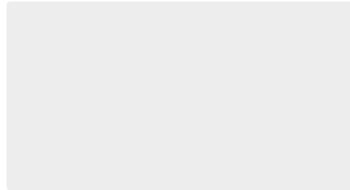
<b>R+M Nr.</b>
200 300 100

### ST-300 swivels



1/4" M : 1/4" F. Brass. Max. 275 bar / 90 °C

<b>R+M Nr.</b>	
200 300 040	44 mm



<b>R+M Nr.</b>

### ST-301 swivels



1/4" F : 3/8" F. Stainless steel / brass. Swivel with radial friction bearing. Max. 350 bar / 90 °C

<b>R+M Nr.</b>	
200 301 050	58 mm



Repair kit

<b>R+M Nr.</b>
200 300 100

### ST-301 swivels



1/4" F : M22 M. Stainless steel / brass. Swivel with radial friction bearing. Max. 350 bar / 90 °C

<b>R+M Nr.</b>	
200 301 060	62 mm



<b>R+M Nr.</b>
200 300 100

### ST-310 swivels



1/4" F : 3/8" F. Stainless steel. Max. 350 bar / 90 °C

<b>R+M Nr.</b>	
200 310 000	57 mm



Repair kit

<b>R+M Nr.</b>
200 300 100

### ST-310 swivels



3/8" M : 3/8" F. Stainless steel. Max. 350 bar / 90 °C

<b>R+M Nr.</b>	
200 310 010	45 mm



Repair kit

<b>R+M Nr.</b>
200 300 100

### ST-310 swivels



1/2" M : 1/2" F. Stainless steel. Max. 350 bar / 90 °C

<b>R+M Nr.</b>	
200 310 040	49 mm



Repair kit

<b>R+M Nr.</b>
200 300 100

## Suttner swivels

## ST-311 swivels



1/4" F : 3/8" F. Stainless steel.  
Swivel with radial friction bearing.  
Max. 350 bar / 90 °C

R+M Nr.	
200 311 050	58 mm



Repair kit

R+M Nr.
200 300 100

## ST-311 swivels



1/4" F : M22 M. Stainless steel.  
Swivel with radial friction bearing.  
Max. 350 bar / 90 °C

R+M Nr.	
200 311 060	58 mm



Repair kit

R+M Nr.
200 300 100

## ST-340 swivels



1/2" M : 1/2" F. Stainless steel.  
Max. 350 bar / 90 °C

R+M Nr.	
200 340 010	52 mm



Repair kit

R+M Nr.
200 340 100



1/4" F : 1/2" F. Stainless steel.  
Max. 350 bar / 90 °C

R+M Nr.	
200 340 050	73 mm



Repair kit

R+M Nr.
200 340 100



1/2" M : 1/2" F. Brass.  
Max. 250 bar / 90 °C

R+M Nr.	
200 340 510	52 mm



Repair kit

R+M Nr.
200 340 150



1/4" F : 1/2" F. Brass.  
Max. 250 bar / 90 °C

R+M Nr.	
200 340 520	73 mm



Repair kit

R+M Nr.
200 340 100

## ST-351 swivels



1/2" M : 1/2" F.  
Max. 600 bar

R+M Nr.	
200 351 510	72 mm



Repair kit swivel ST-351

R+M Nr.
200 351 400

## ST-350 swivels



3/8" M : 3/8" F. Stainless steel.  
Max. 500 bar / 90 °C

R+M Nr.	
200 350 010	45 mm



Repair kit

R+M Nr.
200 300 120

## ST-345 swivels



1/4" F : 1/4" M. 350 bar. Stainless

R+M Nr.
200 345 500



1/4" F : 1/4" M. 350 bar. Stainless.  
easywash365+ blue

R+M Nr.
200 345 510



1/4" F : 1/4" M. 350 bar. Stainless.  
RAL 5005

R+M Nr.
200 345 520



1/4" F : 1/4" M. 350 bar. Stainless

R+M Nr.
200 345 530

**Suttner swivels ST-320**

Completely stainless steel. Swivel with slide ring as sealing element



3/8" F : 3/8" M. DN 6.  
Max. 400 bar / 30 r.p.m. / 90 °C

<b>R+M Nr.</b>	
200 320 500	48 mm



1/4" F : 1/4" M. DN 6.  
Max. 400 bar / 30 r.p.m. / 90 °C

<b>R+M Nr.</b>	
200 320 550	48 mm



3/8" F : 3/8" M. DN 6.  
Max. 400 bar / 30 r.p.m. / 90 °C

<b>R+M Nr.</b>	
200 320 502	48 mm



Repair kit swivels ST-320

<b>R+M Nr.</b>
200 320 490

**Suttner swivels ST-322**

Completely stainless steel. Swivel with slide ring as sealing element. Field of application: Hose reels



3/8" F : 3/8" M. DN 10.  
Max. 400 bar / 30 r.p.m. / 90 °C

<b>R+M Nr.</b>	
200 322 500	65 mm



1/2" F : 3/8" M. DN 10.  
Max. 300 bar / 30 r.p.m. / 90 °C

<b>R+M Nr.</b>	
200 322 510	65 mm



1/2" F : 1/2" M. DN 12.  
Max. 300 bar / 30 r.p.m. / 90 °C

<b>R+M Nr.</b>	
200 322 520	67 mm



1/2" F : 1/2" M. DN 12.  
Max. 300 bar / 30 r.p.m. / 90 °C

<b>R+M Nr.</b>	
200 322 522	68 mm



M28 M. DN 12.  
For series R+M 434 - R+M 564.  
Max. 300 bar / 30 r.p.m. / 90 °C

<b>R+M Nr.</b>		
200 322 523	79.5 mm	1/2" F
200 322 525	79.5 mm	3/8" F



Repair kit swivels ST-322

<b>R+M Nr.</b>
200 322 490

Symbols height inlet



### easywash365+ swivels

Housing nickel-plated brass. Axle stainless steel. Field of application: Ceiling booms in self-service car wash



1/4" F : 1/4" M. DN 7.  
Max. 275 bar / 30 r.p.m. / 120 °C

R+M Nr.	Ø
562 390 503	46 mm



3/8" F : 1/4" M. DN 7.  
Max. 275 bar / 30 r.p.m. / 120 °C

R+M Nr.	Ø
562 390 505	46 mm



3/8" F : 3/8" M. DN 7.  
Max. 275 bar / 30 r.p.m. / 120 °C

R+M Nr.	Ø
562 390 507	46 mm



Repair kit **easywash365+** swivels

R+M Nr.
750 140 2

### easywash365+ swivels

Housing stainless steel / nickel-plated brass. Axle stainless steel. Maintenance-free. DN 6. Field of application: Swivels applicable to high pressure spray guns and hose connections, ceiling booms in self-service car wash



1/4" M : 1/4" F.  
Max. 275 bar / 120 °C

R+M Nr.	Ø	VPE
562 391 600	63 mm	1
562 391 601	63 mm	25



1/4" M : 3/8" F.  
Max. 275 bar / 120 °C

R+M Nr.	Ø	VPE
562 391 605	64 mm	1
562 391 606	64 mm	25



3/8" M : 1/4" F.  
Max. 275 bar / 120 °C

R+M Nr.	Ø	VPE
562 391 610	63 mm	1
562 391 611	63 mm	25



3/8" M : 3/8" F.  
Max. 275 bar / 120 °C

R+M Nr.	Ø	VPE
562 391 615	64 mm	1
562 391 616	64 mm	25



1/4" F : 1/4" F.  
Max. 275 bar / 120 °C

R+M Nr.	Ø	VPE
562 391 620	69 mm	1
562 391 621	69 mm	25



3/8" F : 3/8" F.  
Max. 275 bar / 120 °C

R+M Nr.	Ø	VPE
562 391 625	67 mm	1
562 391 626	67 mm	25



1/4" F : M18 M.  
Max. 275 bar / 120 °C

R+M Nr.	Ø	VPE
562 391 630	62 mm	1
562 391 631	62 mm	25



1/4" F : M14 M.  
Max. 275 bar / 120 °C

R+M Nr.	Ø	VPE
562 391 627	62 mm	1
562 391 628	62 mm	25

### Mosmatic swivels WDG

Housing nickel-plated brass. Axle stainless steel. Field of application: Ceiling booms in self-service car wash



1/4" F : 1/4" M. DN 7.  
Max. 150 bar / 30 r.p.m. / 90 °C

R+M Nr.	Ø
750 140 11	46 mm



3/8" F : 1/4" M. DN 7.  
Max. 150 bar / 30 r.p.m. / 90 °C

R+M Nr.	Ø
750 140 1	46 mm



Repair kit  
Mosmatic swivels WDG

R+M Nr.
750 140 2

## Mosmatic swivels DGS / DGV / DGK

Housing stainless steel / nickel-plated brass. Axle stainless steel. DN 6. Rust-proof and maintenance-free. Field of application: Swivels applicable to high pressure spray guns and hose connections, ceiling booms in self-service car wash. Max. 275 bar / 30 r.p.m. / 120 °C



**DGS.** Double ball bearing system

**DGV.** Single ball bearing system

**DGK.** Single ball bearing system

R+M Nr.			
108 300 01	1/4" F	1/4" M	59 mm
108 300 02	1/4" F	1/4" F	62 mm
108 300 03	1/4" F	3/8" M	60 mm
108 300 04	1/4" F	3/8" F	63 mm
108 300 05	1/4" F	M14 M	57 mm
108 300 06	1/4" F	M16 M	57 mm
108 300 07	1/4" F	M18 M	57 mm
108 300 09	1/4" F	M22 M	61 mm
108 301 03	3/8" F	3/8" M	60 mm
108 301 04	3/8" F	3/8" F	63 mm
108 301 07	3/8" F	M18 M	57 mm
108 301 09	3/8" F	M22 M	61 mm

R+M Nr.			
108 325 11	1/4" M	1/4" M	60 mm
108 325 12	1/4" M	1/4" F	63 mm
108 325 13	1/4" M	3/8" M	61 mm
108 325 18	1/4" M	M21 M	62 mm
108 325 21	3/8" M	1/4" M	60 mm
108 325 24	3/8" M	3/8" F	61 mm
108 325 32	3/8" M	1/4" F	63 mm
108 325 33	3/8" M	3/8" M	61 mm
108 325 34	3/8" M	3/8" F	63 mm
108 325 37	3/8" M	M18 M	58 mm
108 325 39	3/8" M	M22 M	62 mm
108 325 82	1/4" F	1/4" F	67 mm
108 325 87	1/4" F	M18 M	62 mm

R+M Nr.			
108 320 31	1/4" M	DN 06	58 mm
108 320 33	1/4" F	DN 06	62 mm
108 321 32	3/8" M	DN 08	66 mm

## Mosmatic swivels DGVI

Stainless steel. DN 6. Rust-proof and maintenance-free. Field of application: Swivels applicable to high pressure spray guns and hose connections. Max. 500 bar / 30 r.p.m. / 120 °C



R+M Nr.			
108 327 02	1/4" M*	1/4" F	54
108 327 24	3/8" M*	3/8" F	56
108 327 34	3/8" M	3/8" F	64
108 328 14	1/2" M	1/2" F	75

R+M Nr.			
108 327 81	1/4" F	1/4" M	64
108 327 83	3/8" F	1/4" M	65

R+M Nr.			
108 327 82	1/4" F	1/4" F	66
108 327 84	1/4" F	3/8" F	68

R+M Nr.			
108 327 87	1/4" F	M18 M	62
108 327 88	1/4" F	M21 M	66
108 327 89	1/4" F	M22 M	66

## Mosmatic swivels DGE / DGEI

Stainless steel. Maintenance-free. Field of application: especially designed for high flow rates and low revolutions per minute as for example at automatic car wash plants. Max. 30 r.p.m. / 120 °C. DN 13 for 1/2". DN 25 for 1"



**DGE 90°.** Housing nickel-plated brass. Single ball bearing system. Rust-proof. Max. 275 bar

**DGE.** Housing nickel-plated brass. Single ball bearing system. Rust-proof. Max. 275 bar

**DGEI.** Housing stainless steel. Triple ball bearing system. Max. 350 bar

**DGEI 90°.** Housing stainless steel. Triple ball bearing system. Max. 350 bar

R+M Nr.			
108 348 23	1/2" F	1/2" M	91
108 348 25	1" F	1" M	113

R+M Nr.			
108 348 03	1/2" F	1/2" M	80
108 348 05	1" F	1" M	90

R+M Nr.			
108 347 03	1/2" F	1/2" M	80
108 347 05	1" F	1" M	95

R+M Nr.			
108 347 23	1/2" F	1/2" M	97
108 347 25	1" F	1" M	123

\* conical

Symbols height length mm outlet inlet VPE packing unit

### Mosmatic high RPM swivels DY-Series

Axle stainless steel. Housing nickel-plated brass. Triple ball bearing system. DN 6. Rust-proof and maintenance-free. Field of application: especially designed for high revolutions per minute and self-rotating applications. Max. 275 bar / 2,000 r.p.m. / 120 °C



DYF.

R+M Nr.	☉	☺	↔
108 580 03	1/4" F	3/8" M	80
108 581 03	3/8" F	3/8" M	80
108 580 00	1/4" F	M12 M	66

DYF.

R+M Nr.	☉	☺	↔
108 584 01	3/8" F	1/4" M	84

DYG.

R+M Nr.	☉	☺	↔
108 570 03	1/4" F	3/8" M	80
108 571 03	3/8" F	3/8" M	80

DYL.

R+M Nr.	☉	☺	↔
108 560 03	1/4" F	3/8" M	80
108 561 03	3/8" F	3/8" M	80
108 561 04	3/8" F	3/8" F	80
108 560 01	1/4" F	1/4" F	79

### Mosmatic seal kits



R+M Nr.	TYP
108 369 05	DY hard metal
108 369 01	DX ceramic

### Mosmatic swivels DGL



Axle stainless steel. Housing nickel-plated brass. Triple ball bearing system. DN 6. Rust-proof and maintenance-free. Field of application: designed for self-spinning applications. Very low torque required. Max. 275 bar / 1,000 r.p.m. / 30 °C. Max. 275 bar / 30 r.p.m. / 120 °C

R+M Nr.	☉	☺	↔
108 311 03	3/8" F	3/8" M	66

Symbols height length mm outlet inlet TYP type

**Mosmatic high RPM swivels DY-Series / WDRS**

Axle and housing stainless steel. Triple ball bearing system. Maintenance-free. DN 6 for 3/8". DN 13 for 1/2". DN 38 for 1.1/2"



**DYCI.** Triple ball bearing system. Field of application: especially designed for high revolutions per minute and self-rotating applications. Max. 350 bar / 2,000 r.p.m. / 120 °C

R+M Nr.	⊕	⊖	↔
108 550 03	1/4" F	3/8" M	95
108 551 03	3/8" F	3/8" M	95



**DYCI.** Triple ball bearing system. Field of application: especially designed for high revolutions per minute and self-rotating applications. Max. 350 bar / 2,000 r.p.m. / 120 °C

R+M Nr.	⊕	⊖	↔
108 552 53	M22	3/8" M	95



**DYDI.** Triple ball bearing system. Field of application: especially designed for high revolutions per minute and self-rotating applications. Max. 500 bar / 2,000 r.p.m. / 120 °C

R+M Nr.	⊕	⊖	↔
108 552 63	M22	3/8" M	95



**WDRS.** Double ball bearing system. Field of application: especially designed for high flow rates, e.g. automatic car wash. Max. 200 bar / 60 - 150 r.p.m. / 80 °C

R+M Nr.	⊕	⊖	↔
108 412 11	1/2" F	1/2" M	110
108 415 11	1.1/2" F	1.1/2" M	150

Axle and housing stainless steel. Quadruple ball bearing system. DN 6. Maintenance-free. Field of application: especially designed for high revolutions per minute and self-rotating applications. Max. 2,000 r.p.m. / 120 °C



**DYT.** Max. 350 bar

R+M Nr.	⊕	⊖	↔
108 590 03	1/4" F	3/8" M	107
108 591 01	3/8" F	1/4" M	109
108 591 03	3/8" F	3/8" M	109



**DYT 90°.** Max. 350 bar

R+M Nr.	⊕	⊖	↔
108 593 03	1/4" F	3/8" M	109
108 594 03	3/8" F	3/8" M	110



**DYU.** Max. 500 bar

R+M Nr.	⊕	⊖	↔
108 591 13	3/8" F	3/8" M	109



**DYU 90°.** Max. 500 bar

R+M Nr.	⊕	⊖	↔
108 594 13	3/8" F	3/8" M	110

**R+M swivels**



3/4" F : 3/4" M. DN 19. Housing and axle stainless steel. Max. 200 bar / 90 °C

R+M Nr.	ⓘ
750 400 1	80 mm



Repair kit swivel 750 400 1

R+M Nr.
750 400 2



3/8" M : 3/8" F. Brass. Max. 220 bar / 90 °C

R+M Nr.	ⓘ
562 50	39 mm



1/4" F : 3/8" M. DN 6. Housing and axle stainless steel. Max. 600 bar / 90 °C

R+M Nr.	ⓘ
750 280 0	59 mm



Seal kit swivel 750 280 0

R+M Nr.
750 200 2



3/8" M : 1/4" F. Brass. Max. 220 bar / 90 °C

R+M Nr.	ⓘ
562 60	39 mm

## Coin meter

## EMS-56



- » Mechanical coin tester with coin return (MMP)
- » Sort of coins: 1
- » Display for coins with 1 digit
- » Preselection / minimum insert  
1 - 4 coins adjustable
- » Adjustable time selection  
1 - 320 minutes per coin
- » Mechanically retrofit coin counter on request
- » Splash proof electronic
- » Current on contact 16 A - AC1
- » H x W x D 260 x 160 x 110 mm
- » Weight 3.5 kg

Housing powder-coated steel

24 V - 50 Hz

230 V - 50 Hz

money
JETON (profiled)
50 Cent
1 €

R+M Nr.
925 602 43
925 602 45
925 602 41

R+M Nr.
925 622 03
925 622 05
925 622 01

R+M Nr.

## EMS-57



- » Mechanical coin tester with coin return (MMP)
- » Sort of coins: 1
- » Display for time left with 3 digits
- » Preselection / minimum insert  
1 - 4 coins adjustable
- » Adjustable time selection  
1 - 320 minutes per coin
- » Mechanically retrofit coin counter on request
- » Splash proof electronic
- » Current on contact 16 A - AC1
- » H x W x D 260 x 160 x 110 mm
- » Weight 3.5 kg

Housing powder-coated steel

24 V - 50 Hz

230 V - 50 Hz

money
JETON (profiled)
50 Cent
1 €

R+M Nr.
925 710 243
925 710 245
925 710 241

R+M Nr.
925 712 303
925 712 305
925 712 301

Housing powder-coated stainless steel

24 V - 50 Hz

230 V - 50 Hz

money
JETON (profiled)
50 Cent
1 €

R+M Nr.
925 710 243 9
925 710 245 9
925 710 241 9

R+M Nr.
925 712 303 9
925 712 305 9
925 712 301 9

**Attention**  
Connection only  
by authorised staff.

## EMS-81



- » Mechanical coin tester with coin return (MMP)
- » Sort of coins: 1
- » Display for time left with 3 digits
- » Preselection / minimum insert  
1 - 4 coins adjustable
- » Adjustable time selection  
1 - 320 minutes per coin
- » Electronic counter for operating times, checkouts, clients
- » Splash proof electronic
- » Current on contact 16 A - AC1
- » H x W x D 260 x 160 x 110 mm
- » Weight 3.5 kg

Housing powder-coated steel

400 V - 50 Hz \*

money
JETON (profiled)
50 Cent
1 €

R+M Nr.
928 113 803
928 113 802
928 113 801

## EMS-82



- » Electronic coin tester with coin return (EMP)
- » Sorts of coins (Token 22 and 26 mm with hole. Coins 0.10 - 0.20 - 0.50 - 1.00 - 2.00 Euro)
- » Display for time left with 3 digits
- » Preselection / minimum insert freely programmable
- » Freely programmable time selection
- » Electronic counter for operating times, checkouts, clients
- » Splash proof electronic
- » Current on contact 16 A - AC1
- » H x W x D 260 x 160 x 110 mm
- » Weight 3.5 kg

Housing powder-coated stainless steel with spraying protection flap

24 V - 50 Hz

230 V - 50 Hz

money
programmable

R+M Nr.
928 210 240 9

R+M Nr.
928 212 300 9

R+M Nr.

\* with integrated switch 380 V - 16 A



## Coin meter

### Coin tester with microswitch



R+M Nr.	money	front plate	hole size
940 10	JETON (profiled)	129 x 52 mm	119 x 42 mm
940 18	50 Cent	129 x 52 mm	119 x 42 mm
940 19	1 €	129 x 52 mm	119 x 42 mm
940 20	2 €	129 x 52 mm	119 x 42 mm

### Coin tester with light barrier



**new**

R+M Nr.	money	front plate	hole size
940 108	JETON (profiled)	129 x 52 mm	119 x 42 mm
940 188	50 Cent	129 x 52 mm	119 x 42 mm
940 198	1 €	129 x 52 mm	119 x 42 mm
940 208	2 €	129 x 52 mm	119 x 42 mm

### Spraying protection flap



Polycarbon crystal clear. With two magnets and stainless steel fixing.  
Weight 0.1 kg

R+M Nr.	H x W x D
108 900 77	200 x 60 x 30 mm

### Spraying protection flap



R+M Nr.	H x W x D
921 00	200 x 60 x 30 mm

### Token



Packing unit 100 pieces

R+M Nr.	∅	TYP
929 10	25 mm	profiled
929 15	22 mm	with hole
929 16	26 mm	with hole

Symbols ∅ diameter TYP type

## Wash brushes with water flow

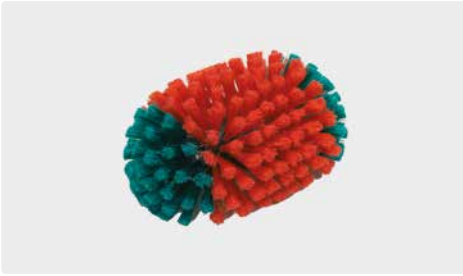
## Hand wash brush



Brush with integrated water flow. Connection suitable for Gardena system. Ideal for smaller cleaning applications. Bristles 50 mm

R+M Nr.	↔	M	°C
527 001 103	350 mm	polyester	50 °C

## Rim brush for trucks / busses



Brush for the cleaning of rims of trucks and busses. Connection for aluminum handles. Bristles 50 mm

R+M Nr.	↔	M	°C
527 001 102	230 mm	polyester	50 °C

## Wash brush



Solid brush suitable for larger surfaces. Suitable for cleaning of upper areas. With rubber edge. Connection for aluminum handle. Bristles 50 mm

R+M Nr.	↔	M	°C
527 001 100	400 mm	polyester	50 °C

## Wash brush swivelling



Brush with swivel. The inclined/slanted bristles ensure that all corners can be reached. With connection for aluminum handles. Bristles 50 mm

R+M Nr.	↔	M	°C
527 001 101	200 mm	polyester	50 °C

## High-low wash brush



The form of the brush allows the bristles to be in constant contact with the surface. The brush is equipped with a rubber edge. With connection for aluminum handles. Bristles 50 mm

R+M Nr.	↔	M	°C
527 001 104	250 mm	polyester	50 °C

## Wash brush



Solid brush suitable for larger surfaces. Suitable for cleaning of upper areas. The brush is equipped with a rubber edge. Connection for aluminum handles. Bristles 50 mm

R+M Nr.	↔	M	°C
527 001 109	260 mm	polyester	50 °C

## Wash brushes without water flow

### Long hand brush



Solid brush with long handle. Suitable for gas stations. Bristles 47 mm

R+M Nr.	↔	(M)	°C
527 001 106	410 mm	polyester	50 °C

### Short hand brush



Solid brush with short handle. Suitable for cleaning rims and radiator grills. Bristles 45 mm

R+M Nr.	↔	(M)	°C
527 001 107	245 mm	polyester	50 °C

### Ergonomic hand brush



Brush with rubber edge, ergonomic handle and inclined/slanted bristles. Suitable for dry and wet use. Bristles 40 mm

R+M Nr.	↔	(M)	°C
527 001 108	290 mm	polyester	50 °C

### Rim brushes



Brush for cleaning of car rims.  $\varnothing$  65 mm. Bristles 40 mm

R+M Nr.	↔	(M)	°C
527 001 105	330 mm	polyester	50 °C



Soft brush for cleaning car rims.  $\varnothing$  65 mm. Bristles 40 mm.

R+M Nr.	↔	(M)	°C
527 001 113	330 mm	polyester	50 °C

### Multi brush



Brush with soft bristles. Suitable for cleaning aluminum rims. Bristles 45 mm

R+M Nr.	↔	(M)	°C
527 001 112	320 mm	polyester	50 °C

Symbols (M) material ↔ length °C temperature

## Wash brushes without water flow

## Nail brushes



Very solid brush with a hole for hanging.  
40 x 47 x 120 mm

R+M Nr.	↔	(M)	°C
527 001 409	120 mm	polyester	50 °C

## Brush set



2 long-handled brushes with 30 mm and 50 mm wide bristles.

R+M Nr.	↔	(M)	°C
527 001 115	390 mm	polyester	50 °C

## Workshop broom



Wooden cover with screwed socket for handles.  
Suitable for sweeping wet and oily waste.

R+M Nr.	↔	(M)	°C
527 001 418	665 mm	PVC	60 °C

## Window brushes and accessories

## Hand squeegees



Effectively removes water and avoids lime spots.  
Protects lacquer and windows. With connection  
for aluminum handles

R+M Nr.	↔	(M)	°C
527 001 110	250 mm	rubber	50 °C
527 001 201	350 mm	rubber	50 °C



Effectively removes water and avoids lime spots.  
Protects lacquer and windows. With connection  
for aluminum handles

R+M Nr.	↔	(M)	°C
527 001 202	450 mm	rubber	50 °C

## Floor squeegees



Effective floor squeegee for water and oil.  
Oil-resistant rubber. With connection for  
aluminum handles.

R+M Nr.	↔	(M)	°C
527 001 302	600 mm	PP/rubber	50 °C

## Pad holder with swivel



The pads are fastened safely with sinkable arene  
hooks. With connection for aluminum handles

R+M Nr.	↔	(M)	°C
527 001 209	230 mm	polypropylen	50 °C

## Pad white



Scrubbing nylon, suitable for removing insects.  
Only suitable for windows and glass

R+M Nr.	VPE	(M)	°C	↔
527 001 206	1	nylon	50 °C	250
527 001 206 10	10	nylon	50 °C	250

## Pad brown



Suitable for removing extreme dirt on rough  
surfaces. Not designed for the use on coated  
surfaces

R+M Nr.	VPE	(M)	°C	↔
527 001 207	1	nylon	50 °C	250
527 001 207 10	10	nylon	50 °C	250

Symbols (VPE) packing unit (M) material ↔ length °C temperature (↔) height

## Window brushes and accessories

Windscreen scraper



The cleaning is facilitated by means of the integrated insect net. Popular at gas stations

R+M Nr.	↔	↓	°C
527 001 203	200 mm	500 mm	50 °C

Windscreen scraper with telescopic handle



The cleaning is facilitated by means of the integrated insect net. Ideal for trucks and busses

R+M Nr.	↔	↓	°C
527 001 204	200 mm	700 - 1,250 mm	50 °C

Replacement scraper



Spare head for 527 001 203 and 527 001 204

R+M Nr.	↔	°C
527 001 205	200 mm	50 °C

## Wall mounts



Wall holder helps keeping order and increases the life of the brushes

R+M Nr.	↔	M	°C
527 001 404	245 mm	aluminium	50 °C

## Snowbrooms



Snowbroom with integrated ice scraper. Shatterproof at arctic temperatures. Bristles 45 mm

R+M Nr.	↔	M
527 001 208	500 mm	PVC

## Shovels



To shovel snow or suitable as safety equipment for dangerous materials.

R+M Nr.	↔	M
527 001 303	500 mm	PVC

## Quick couplings suitable for Nito system



Hose tail for 1/2" hose

R+M Nr.	M
527 003 001	nickel-plated brass



Plug 1/2" M

R+M Nr.	M
527 003 003	nickel-plated brass

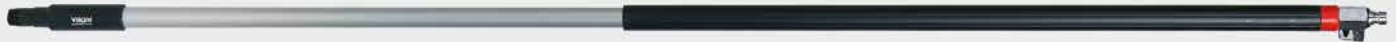


## Handles with water flow



Aluminum handle. Ergonomic handle with insulated grip. Connector suitable for Nito system

R+M Nr.	∅	↔	(M)	°C
527 001 405	34 mm	1,020 mm	aluminium	max. 50 °C



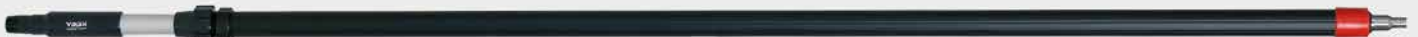
Aluminum handle. Ergonomic handle with insulated grip and ball valve. Connector suitable for Nito system

R+M Nr.	∅	↔	(M)	°C
527 001 406	34 mm	1,630 mm	aluminium	max. 50 °C



Aluminum handle. Ergonomic handle with insulated grip. Hose tail suitable for 1/2" and 3/4"

R+M Nr.	∅	↔	(M)	°C
527 001 400	34 mm	1,600 mm	aluminium	max. 50 °C



Aluminum handle. Telescopic handle with insulated grip. Hose tail suitable for 1/2" and 3/4"

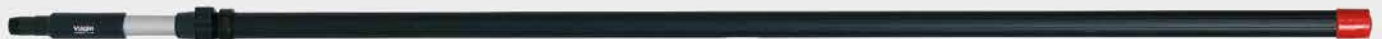
R+M Nr.	∅	↔	(M)	°C
527 001 402	50 mm	1,630 - 2,750 mm	aluminium	max. 50 °C

## Handles without water flow



Aluminum handle. Ergonomic handle with insulated grip

R+M Nr.	∅	↔	(M)	°C
527 001 403	34 mm	1,500 mm	aluminium	max. 50 °C



Aluminum handle. Telescopic handle with insulated grip

R+M Nr.	∅	↔	(M)	°C
527 001 401	50 mm	1,630 - 2,750 mm	aluminium	max. 50 °C

Symbols (M) material ↔ length ∅ diameter °C temperature