



Accessories quick connect spray nozzles	282
Accessories wash brushes	287
Adjustable nozzles	280
Brush holder	288
Ceramic high pressure nozzles	265
Cleantecs rotating nozzles with carbide insert	277
easywash365+ brush holder	288
easywash365+ wash brushes - large areas are completely clean from now on!	285
Flat jet lances	281
Further information about high pressure nozzles	266-267
High pressure nozzles	264-265
High pressure telescopic lances	290
Lance clips	273
Mud suckers	283
Nozzle protector and nozzle holder	268
Quick connect spray nozzles by Spraying Systems	282
Quick connect spray nozzles with hardened stainless steel insert	282
Rotating brushes	287
Rotating nozzles	278-279
Sandblast kits	288-289
Self-service lances	288
Spray width depending on spray angle and distance	267
ST-33 High Pressure Filter	171
ST-559 Suttner rotating nozzles with carbide insert	270
Suttner rotating nozzles in different colours	271
Suttner rotating nozzles with ceramic insert	269-277
Suttner rotating nozzles without plastic plug	271
Telescopic lances and wash brushes	284
Tip cleaner	265
Vario nozzles and triple nozzles	279-280
Vorwerk lances & wash brushes	286
Wall cleaner	290
Wash brushes	285-286

High pressure nozzles

1/4" M NPT



Impact = 100 %

	0°	15°	25°	40°	65°
D	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
02	610 05	613 05	617 50	620 30	625 20
025	610 07	613 07	617 65	620 35	625 25
03	610 10	613 10	617 70	621 00	625 30
034		613 20	617 80		625 35
035	610 20		617 85	621 20	
04	610 30	613 30	617 90	621 30	625 40
045	610 40	613 40	618 00	621 40	625 50
05	610 50	613 50	618 10	621 50	625 60
055	610 60	613 60	618 20	621 60	625 70
06	610 70	613 70	618 30	621 70	625 80
065	610 80	613 80	618 40	621 80	625 90
07	610 90	613 90	618 50	621 90	626 00
075	611 00	614 00	618 60	622 00	
08	611 10	614 10	618 70	622 10	626 10
085	611 20	614 20	618 80	622 20	
09	611 30	614 30	618 90	622 30	626 20
10	611 40	614 40	619 00	622 40	626 30
11	611 50	614 50	619 10	622 50	
12	611 60	614 60	619 20	622 60	
13	611 70	614 70	619 30	622 70	
14	611 75	614 75	619 35		
15	611 80	614 80	619 40	622 80	626 50
20	611 90	614 90	619 50	622 90	626 60
25	612 00	615 00	619 60	623 00	
30	612 10	615 10	619 70	623 20	626 70
35	612 50	615 20	619 75	623 25	
40	612 15	615 25	619 80	623 30	
50	612 20	615 35	619 90	623 32	

1/8" M NPT



Impact = 100 %

	0°	15°	25°	40°	65°
D	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
02	630 08	632 05	635 00		
03	630 10	632 10	635 10	638 10	
035		632 15	635 15		
04	630 20	632 20	635 20	638 20	639 591
045	630 30	632 30	635 30	638 30	
05	630 40	632 40	635 40	638 40	639 60
055	630 50	632 50	635 50	638 50	
06	630 60	632 60	635 60	638 60	639 61
065	630 70	632 70	635 70	638 70	
07	630 80	632 80	635 80	638 80	
075	630 90	632 85	635 90	638 90	
08	631 00	633 00	636 00	639 00	
085	631 10	633 10	636 10	639 10	
09	631 20	633 20	636 20	639 20	
10	631 30	633 30	636 30	639 30	639 65
11	631 40		636 40		
12	631 50			639 50	
15		633 60	636 80		

1/4" M NPT - VVSS



Impact = 100 %

	40°	65°	80°		
D	R+M Nr.	R+M Nr.	R+M Nr.		
01	620 20	625 10	627 000 1		
015	620 25	625 15	627 00		
02	620 29		627 02		
03			627 03		

1/8" M NPT - VVSS



Impact = 100 %

	40°	65°			
D	R+M Nr.	R+M Nr.			
01	638 01	639 55 *			
015		639 56			
02		639 57			
03		639 58			

Power 1/4" M NPT - PMEG



Impact = 250 %

	15°	25°			
D	R+M Nr.	R+M Nr.			
04	613 305	617 905			
045	613 405	618 005			
05	613 505	618 105			
055	613 605	618 205			
06	613 705	618 305			
065	613 805	618 405			

Power 1/8" M NPT - PMEG



Impact = 250 %

	15°	25°
D	R+M Nr.	R+M Nr.
04	632 205	635 205
045	632 305	635 305
05	632 405	635 405
055	632 505	635 505
06	632 605	635 605
065	632 705	635 705

Nozzle filter VV



Brass. Max. 70 bar

R+M Nr.	nozzle
649 90	1/4"
649 95	1/8"

Symbols **D** nozzle

* brass

High pressure nozzles

Tip nozzle



Impact = 100 %

	0°	15°	25°	40°	65°
D	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
02	600 02	602 40	604 90	607 40	609 052
025		602 45	604 95		
03	600 05	602 50	605 00	607 50	609 053
034	600 06	602 55	605 05		609 34
04	600 10	602 60	605 10	607 60	609 10
045	600 20	602 70	605 20	607 70	
05	600 30	602 80	605 30	607 80	609 30
055	600 40	602 90	605 40	607 90	609 305
06	600 50	603 00	605 50	608 00	
065	600 60	603 10	605 60	608 10	
07	600 70	603 20	605 70	608 20	
075	600 75	603 25	605 75	608 25	
08	600 80	603 30	605 80	608 30	609 008
085	600 90	603 40	605 90		
09	601 00	603 50	606 00	608 40	
10	601 10	603 60	606 10	608 60	609 100
12		603 70	606 20	608 66	
13	601 30	603 80	606 30	608 70	
15	601 40	603 90	606 40	608 80	
20	601 50		606 50	609 00	609 200

Tip cleaner



High speed steel (HSS) with aluminium shaft.

↔ 42 mm

R+M Nr.	∅
200 049 042	0.5

Advantages of Power-MEG nozzle



Ceramic high pressure nozzles



1/4" M NPT



Impact = 100 %. Max. 300 bar / 125 °C

	0°	15°	25°	40°	
D	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	
02	610 056	613 056	617 506*	620 306	
025		613 076	617 656	620 356	
03	610 106*	613 106	617 706	621 006	
035	610 206*	613 206	617 806	621 206*	
04	610 306*	613 306	617 906	621 306	
045	610 406*	613 406	618 006	621 406	
05	610 506*	613 506	618 106	621 506	
055	610 606*	613 606	618 206	621 606	
06	610 706	613 706	618 306	621 706	
065	610 806*		618 406	621 806	
07		613 906	618 506		
075	611 006*	614 006*		622 006*	
08	611 106*	614 106*		622 106	
09				622 306*	
10	611 406*	614 406*	619 006*	622 406*	
11	611 506*	614 506	619 106*	622 506*	
12	611 606*	614 606*	619 206*	622 606*	
15	611 806*	614 806	619 406*	622 806*	

- » Ceramic inserts provide up to 10 times the life of stainless steel inserts, maximizing your return of investment and decreasing downtime for nozzle replacement.
- » Extra long life ceramic orifice is nearly diamond-hard to resist wear.
- » The used ceramic is specially designed for high pressure and elevated temperature.
- » The extremely hard ceramic insert guarantees a more precise and stronger
- » Wedge-shaped orifice insert seats tightly as spray pressure increases.
- » The external body made out of stainless steel V2A / AISI 304 has a polished surface which is resistant to rust and slight damages.
- » The nozzles are equipped with a 1/4" M NPT connection.

1/4" M NPT



Impact = 100 %. Max. 500 bar / 150 °C

D	R+M Nr.
025	610 076 1*
03	610 106 1*
045	610 406 1*

* limited stock

Further information about high pressure nozzles

Output in l/min depends on pressure in bar

D	Ø*	Pressure in bar											
		3	10	20	30	40	50	60	70	80	90	100	110
01	0.59	0.4	0.7	1.0	1.3	1.4	1.6	1.7	1.8	2.0	2.1	2.2	2.3
015	0.71	0.6	1.0	1.5	1.8	2.1	2.4	2.6	2.8	3.0	3.2	3.4	3.6
02	0.84	0.8	1.4	2	2.5	2.8	3.2	3.5	3.7	4.0	4.2	4.5	4.7
025	0.94	1.0	1.6	2.5	3.1	3.5	4.0	4.3	4.7	5.0	5.3	5.6	5.9
03	1.03	1.2	2.0	3.1	3.7	4.3	4.8	5.3	5.7	6.1	6.3	6.8	7.1
035	1.10	1.4	2.5	3.6	4.2	4.9	5.5	6.0	6.5	7.0	7.4	7.8	8.2
04	1.21	1.6	2.8	4.1	5.2	5.9	6.6	7.3	7.8	8.4	8.9	9.4	9.8
045	1.26	1.8	3.1	4.5	5.5	6.4	7.1	7.8	8.4	9.0	9.6	10.2	10.5
05	1.33	2.0	3.5	5.1	6.2	7.1	8.0	8.7	9.4	10.0	10.7	11.3	11.8
055	1.39	2.2	3.7	5.6	6.8	7.8	8.7	9.6	10.3	11.1	11.8	12.4	13.0
06	1.46	2.4	4.1	6.1	7.4	8.6	9.6	10.4	11.3	12.1	12.8	13.6	14.3
065	1.52	2.6	4.3	6.6	8.0	9.3	10.4	11.3	12.3	13.2	14.0	14.7	15.4
07	1.57	2.8	5.0	7.1	8.6	10.0	11.2	12.2	13.2	14.1	15.0	15.8	16.6
075	1.63	3.0	5.3	7.6	9.3	10.7	12.0	13.1	14.2	15.2	16.1	16.9	17.7
08	1.68	3.2	5.6	8.2	9.8	11.3	12.7	14.0	15.1	16.1	17.1	18.0	18.9
085	1.73	3.4	6	8.7	10.4	12.1	13.5	14.8	16.0	17.1	18.1	19.1	20.0
09	1.78	3.6	6.5	9.2	11.1	12.8	14.3	15.7	17.0	18.0	19.2	20.2	21.2
10	1.88	3.9	7.0	10.2	12.3	14.2	16.0	17.4	18.9	20.1	21.4	22.5	23.6
11	1.96	4.3	7.8	11.2	13.4	15.5	17.3	19.0	20.5	22.0	23.3	24.5	25.7
12	2.05	4.7	8.4	12.3	14.6	16.9	18.9	20.8	22.4	24.0	25.4	26.8	28.1
13	2.13	5.1	9.5	13.3	15.9	18.3	20.5	22.5	24.3	26.0	27.5	29.0	30.4
14	2.21	5.5	10.2	14.3	17.1	19.7	22.1	24.2	26.1	28.0	29.6	31.3	32.8
15	2.30	5.9	10.8	15.3	18.5	21.3	23.9	26.1	28.3	30.2	32.1	33.8	35.3
20	2.66	7.9	14	20.5	24.7	28.5	31.9	34.9	37.8	40.3	42.7	45.1	47.2
30	3.25	11.8	21.1	31.0	37.0	42.7	47.8	52.4	56.6	60.5	64.2	67.6	70.9
40	3.76	15.8	28.0	41.0	49.4	57.0	63.7	69.8	75.4	80.7	85.5	90.2	94.6
50	4.28	19.7	35.3	51.0	61.50	71.00	80.00	87.00	94.50	102.50	107.00	112.50	118.00

Choosing the suitable nozzle is most important for output and smooth function of the high pressure cleaner:

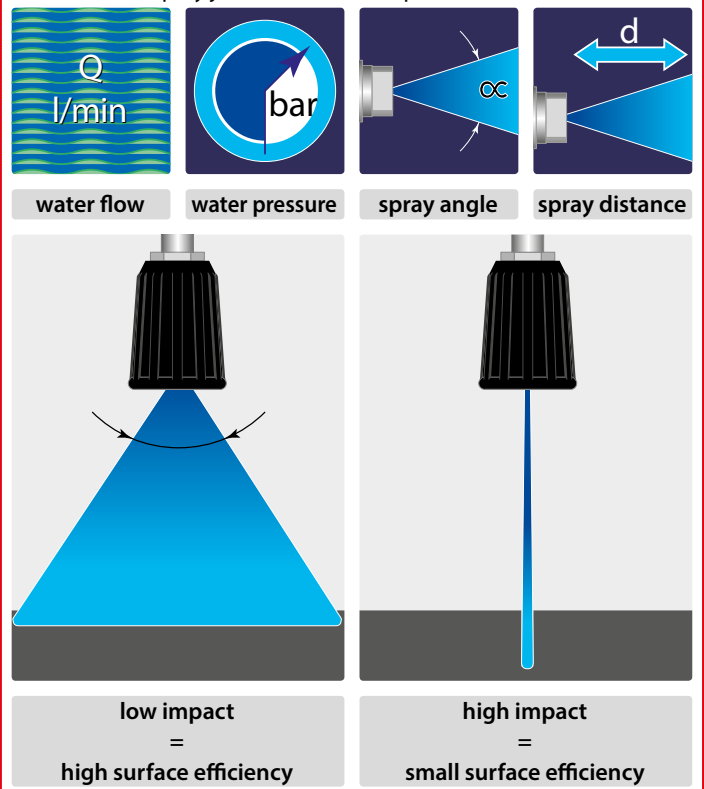
- Nozzle too small = machine permanently switches into bypass or off.
- Nozzle too wide = machine has a small output, lower pressure.

How to choose the suitable nozzle?

Attention: pressure and flow of the high pressure cleaner must be known e.g. 15 l/min (900 l/h) - working pressure of 150 bar.

- In the first line (pressure in bar) please go to column "150".
- Follow column "150" down to find l/min: take "15.2" (nearest to 15).
- Turn left in line "15.2" until the first column and stop at nozzle type "055".
- The size you need is "055"
- On pages 264 -265 please select type of nozzle and spray angle.
- In line "055" please find the R+M Nr. of the nozzle you need.

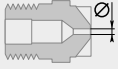
Important for excellent high pressure cleaning is the impact of the spray jet which is made up of 4 features.



* hole diameter in mm

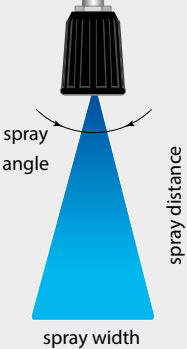
Further information about high pressure nozzles

Output in l/min depends on pressure in bar



		Pressure in bar											
		120	130	140	150	160	175	200	225	250	300	400	500
D	Ø	2.4	2.5	2.6	2.7	2.8	2.9	3.1	3.3	3.5	3.8	4.4	4.9
01	0.59	3.7	3.8	4.0	4.2	4.3	4.5	4.8	5.1	5.4	5.9	6.7	7.5
015	0.71	4.8	5.0	5.3	5.4	5.6	5.9	6.3	6.7	7.0	7.7	8.9	9.9
02	0.84	6.1	6.4	6.6	6.9	7.1	7.5	8.0	8.5	9.0	9.9	11.4	12.7
025	0.94	7.4	7.7	8.0	8.3	8.6	9.0	9.6	10.2	10.7	11.8	13.5	15.1
03	1.03	8.6	8.9	9.2	9.5	9.8	10.3	11.0	11.7	12.3	13.8	15.5	17.8
035	1.10	10.3	10.7	11.1	11.5	11.9	12.4	13.3	14.1	14.8	16.3	18.7	20.9
04	1.21	10.9	11.4	11.8	12.2	12.6	13.2	14.1	15.0	15.8	17.4	19.9	22.3
045	1.26	12.4	12.9	13.4	13.8	14.3	14.9	16.0	16.9	17.9	19.7	22.6	25.3
05	1.33	13.9	14.1	14.7	15.2	15.7	16.4	17.5	18.6	19.6	21.7	25.0	28.0
055	1.39	14.6	15.5	16.0	16.7	17.2	18.0	19.2	20.4	21.5	23.7	27.1	30.3
06	1.46	16.1	16.8	17.4	18.0	18.6	19.4	20.8	22.0	23.2	25.6	29.3	32.7
065	1.52	17.3	18.0	18.7	19.3	20.0	20.9	22.3	23.7	25.0	27.1	31.3	35.0
07	1.57	18.5	19.3	20.0	20.7	21.4	22.4	23.9	25.3	26.7	29.4	33.7	37.7
075	1.63	19.7	20.5	21.3	22.0	22.8	23.8	25.5	27.0	28.5	31.4	35.9	40.2
08	1.68	20.9	21.8	22.6	23.4	24.1	25.3	27.0	28.6	30.2	34.5	39.8	44.5
085	1.73	22.1	23.0	23.9	24.7	25.5	26.7	28.6	30.3	31.9	35.1	40.2	45.0
09	1.78	24.6	25.6	26.6	27.6	28.5	29.8	31.8	33.7	35.6	39.2	44.9	50.2
10	1.88	26.9	28.0	29.1	30.1	31.1	32.5	34.7	36.8	38.8	43.4	50.1	56.0
11	1.96	29.4	30.6	31.7	32.8	33.9	35.4	37.9	40.2	42.4	46.7	53.4	59.8
12	2.05	31.8	33.1	34.4	35.6	36.7	38.4	41.1	43.6	45.9	50.5	57.8	64.7
13	2.13	34.2	35.6	37.0	38.3	39.5	41.4	44.3	46.9	49.4	55.0	63.5	71.0
14	2.21	36.9	38.4	39.9	41.3	42.6	44.6	47.7	50.6	53.3	58.7	67.2	75.2
15	2.30	49.3	51.3	53.2	55.1	56.9	59.5	63.6	67.5	71.1	78.2	89.6	100.0
20	2.66	74.0	77.1	80.0	82.8	85.5	89.4	95.6	101.0	107.0	118.0	149.0	151.0
30	3.25	98.8	103.0	107.0	110.0	114.0	119.0	127.0	135.0	143.0	157.0	198.0	202.0
40	3.76	123.00	128.00	133.00	138.00	142.50	149.00	159.00	168.50	178.00	196.00	224.50	251.00
50	4.28												

Spray width depending on spray angle and distance



Angle	Distance in cm										
	1	2	3	5	7	10	20	30	50	70	100
5°	0.09	0.17	0.26	0.44	0.61	0.87	1.75	2.62	4.37	6.11	8.73
10°	0.17	0.35	0.52	0.87	1.22	1.75	3.50	5.25	8.75	12.25	17.50
15°	0.26	0.53	0.79	1.32	1.84	2.63	5.27	7.90	13.17	18.43	26.33
20°	0.35	0.71	1.06	1.76	2.47	3.53	7.05	10.58	17.63	24.69	35.27
25°	0.44	0.89	1.33	2.22	3.10	4.43	8.87	13.30	22.17	31.04	44.34
40°	0.73	1.46	2.18	3.64	5.10	7.28	14.56	21.84	36.40	50.96	72.79
65°	1.27	2.55	3.82	6.37	8.92	12.74	25.48	38.22	63.71	89.19	127.41
80°	1.68	3.36	5.03	8.39	11.75	16.78	33.56	50.35	83.91	117.47	167.82
110°	2.86	5.71	8.57	14.28	19.99	28.56	57.13	85.69	142.81	199.94	285.63

Symbols  diameter  nozzle  flow

Nozzle protector and nozzle holder

2-component nozzle protector ST-10

The ST-10 is the ideal combination made out of hard and soft plastics. The nozzle protector is suitable for cold and hot water applications in the car wash, agriculture and food industry. The ST-10 is unimpeachable, protects your nozzles and preserves the surfaces to be cleaned at the same time. Suitable for nozzles 1/4" M NPT. Zinc-plated steel max. 400 bar. Stainless steel max. 500 bar

Plastic. Zinc-plated steel	Plastic. Zinc-plated steel	Plastic. Zinc-plated steel	Plastic. Zinc-plated steel	Plastic. Stainless steel	Plastic. Stainless steel	For nozzles with filter. Plastic. Stainless steel.	For nozzles with filter. Plastic. Stainless steel.
R+M Nr. 200 010 500	R+M Nr. 200 010 510	R+M Nr. 200 010 520	R+M Nr. 200 010 530	R+M Nr. 200 010 770	R+M Nr. 200 010 760	R+M Nr. 200 010 745	R+M Nr. 200 010 725
Plastic. Stainless steel	Plastic. Stainless steel	Plastic. Stainless steel	Plastic. Stainless steel	Plastic. Stainless steel	Plastic. Stainless steel		
R+M Nr. 200 010 700	R+M Nr. 200 010 710	R+M Nr. 200 010 720	R+M Nr. 200 010 730	R+M Nr. 200 010 755	R+M Nr. 200 010 740		

For nozzles 1/4" M NPT

ST-005. Plastic. Zinc-plated steel	ST-005. Plastic. Stainless steel	Rubber. Zinc-plated steel	Socket. Brass. Quadrangle	ST-12. Plastic. Zinc-plated steel	1/4" F NPT : 3/8" F. Stainless steel. Socket	Socket. Round. Stainless steel
R+M Nr. 200 000 003	R+M Nr. 200 000 008	R+M Nr. 519 05	R+M Nr. 518 00	R+M Nr. 200 012 500	R+M Nr. 710 101 350	R+M Nr. 040 004 100

For nozzles 1/8" M

ST-005. Plastic. Zinc-plated steel	Socket. Hexagon. Stainless steel	Socket. Plastic. For nozzle with hexagon 13 + 14	2-component nozzle protector ST-10. Plastic. Stainless steel
R+M Nr. 200 000 004	R+M Nr. 518 70	R+M Nr. 519 32	R+M Nr. 200 010 830

For tip nozzles

1/4" F : M18 M. Nozzle holder EG. Brass	O-ring. Nozzle holder EG	M18 F. Nozzle holder EG. Stainless steel	M18 F. Nozzle protector
R+M Nr. 010 000 043	R+M Nr. 790 25	R+M Nr. 040 000 041	R+M Nr. 519 60
1/4" F. Nozzle protector complete without nozzle tip.	1/4" F : M18 F. Adaptor. Brass	1/4" M : M18 F. Adaptor 2 pieces	3/8" M : M18 F. Adaptor. Stainless steel
R+M Nr. 519 601	R+M Nr. 519 40	R+M Nr. 519 70	R+M Nr. 040 001 125

Adaptor 500 bar lances

	1/4" M : M20 F. Stainless steel
R+M Nr. 519 714 209	

Nozzle protector

	Rubber
R+M Nr. 519 35	

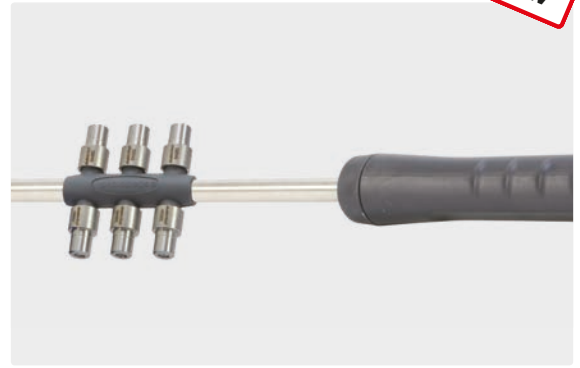
Symbols nozzle colour coding

hydroblade® Nozzle System

new

Set consists of nozzle holder, 6 equal nozzles and O-rings. Max. 400 bar / 150 °C

- » Strong and uniform flat jet with extraordinarily narrow jet depth
- » Application: High pressure and steam jet cleaning
- » Suitable for existing systems
- » Stainless steel



0°

15°

25°

40°

D
034
040
045
050
055
060
065
070
075
080
090
100

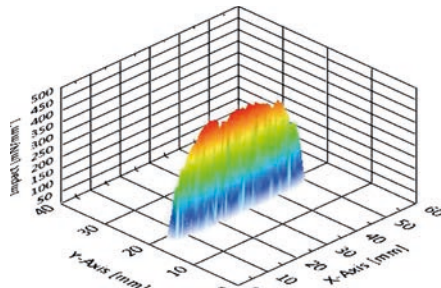
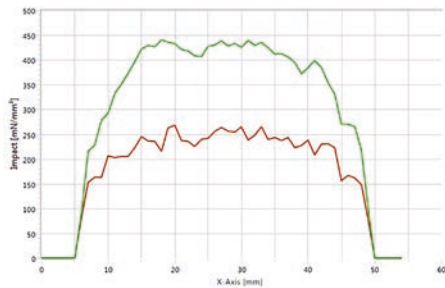
R+M Nr.
126 100 040
126 100 045
126 100 050
126 100 055
126 100 060
126 100 075

R+M Nr.
126 015 034
126 015 040
126 015 045
126 015 050
126 015 055
126 015 060
126 015 070
126 015 075
126 015 080

R+M Nr.
126 025 034
126 025 040
126 025 045
126 025 050
126 025 055
126 025 060
126 025 065
126 025 070
126 025 075
126 025 080
126 025 090
126 025 100

R+M Nr.
126 040 040
126 040 045
126 040 050
126 040 055
126 040 060
126 040 070

hydroblade® Benchmark



hydroblade® flat jet nozzles feature a homogenous liquid and pressure distribution. Highly efficient jets are achieved with spray angles of up to 40°. Thanks to the flow geometry of the nozzles, a compact and controlled jet is generated.



The hydroblade® set consists of nozzle holder, 6 equal nozzles, and corresponding O-rings.

Symbols nozzle

Nozzle protector and nozzle holder

For hydroblade®



1/4" F : M20 M.
Nozzle holder.
Stainless steel

R+M Nr.
200 088 125



M20x1 F.
Nozzle protector.
Brass

R+M Nr.
020 000 085

Suttner rotating nozzles with ceramic insert

ST-357.1



1/4" F. Spray angle 20°.
100 - 250 bar. Max. 100 °C

R+M Nr.	D
200 357 530	3
200 357 535	35
200 357 540	4
200 357 545	45
200 357 550	5
200 357 555	55
200 357 560	6
200 357 565	65
200 357 570	7
200 357 580	8
200 357 690	9
200 357 510	10



Kit ST-357.1

R+M Nr.
200 357 130
200 357 135
200 357 140
200 357 145
200 357 150
200 357 155
200 357 160
200 357 165
200 357 170
200 357 280
200 357 290
200 357 110



M18 F. Spray angle 20°.
100 - 250 bar. Max. 100 °C

R+M Nr.	D
200 357 330	3
200 357 335	35
200 357 340	4
200 357 345	45
200 357 350	5
200 357 355	55
200 357 360	6
200 357 365	65
200 357 370	7
200 357 380	8
200 357 390	9
200 357 310	10



Kit ST-357.1

R+M Nr.
200 357 130
200 357 135
200 357 140
200 357 145
200 357 150
200 357 155
200 357 160
200 357 165
200 357 170
200 357 280
200 357 290
200 357 110



1/8" M. Spray angle 20°.
100 - 250 bar. Max. 100 °C

R+M Nr.	D
200 357 430	3
200 357 435	35
200 357 440	4
200 357 445	45
200 357 450	5
200 357 455	55
200 357 460	6
200 357 465	65
200 357 470	7
200 357 480	8
200 357 490	9
200 357 410	10



Kit ST-357.1

R+M Nr.
200 357 130
200 357 135
200 357 140
200 357 145
200 357 150
200 357 155
200 357 160
200 357 165
200 357 170
200 357 280
200 357 290
200 357 110

ST-458.1



1/4" F. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D
200 458 630	3
200 458 635	35
200 458 640	4
200 458 645	45
200 458 650	5
200 458 655	55
200 458 660	6
200 458 665	65
200 458 670	7
200 458 680	8
200 458 690	9
200 458 610	10



Kit ST-458.1

R+M Nr.
200 458 230
200 458 235
200 458 240
200 458 245
200 458 250
200 458 255
200 458 260
200 458 265
200 458 270
200 458 280
200 458 290
200 458 210



M18 F. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D
200 458 331	3
200 458 335	35
200 458 340	4
200 458 345	45
200 458 350	5
200 458 355	55
200 458 360	6
200 458 365	65
200 458 370	7
200 458 380	8
200 458 390	9
200 458 310	10



Kit ST-458.1

R+M Nr.
200 458 230
200 458 235
200 458 240
200 458 245
200 458 250
200 458 255
200 458 260
200 458 265
200 458 270
200 458 280
200 458 290
200 458 210



1/8" M. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D
200 458 430	3
200 458 435	35
200 458 440	4
200 458 445	45
200 458 450	5
200 458 455	55
200 458 460	6
200 458 465	65
200 458 470	7
200 458 480	8
200 458 490	9
200 458 410	10



Kit ST-458.1

R+M Nr.
200 458 230
200 458 235
200 458 240
200 458 245
200 458 250
200 458 255
200 458 260
200 458 265
200 458 270
200 458 280
200 458 290
200 458 210

Suttner rotating nozzles with ceramic insert

ST-456



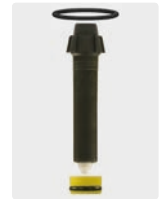
1/4" F. Spray angle 20°. 200 - 350 bar. Max. 100 °C

Kit ST-456

M18 F. Spray angle 20°. 200 - 350 bar. Max. 100 °C

Kit ST-456

ST-558



1/4" F. 300 - 500 bar. Max. 90 °C

Kit ST-558

R+M Nr.	D	C
200 456 530	03	yellow
200 456 535	035	purple
200 456 540	04	brown
200 456 545	045	light green
200 456 550	05	black
200 456 555	055	light blue
200 456 560	06	red
200 456 565	065	nature
200 456 570	07	pink
200 456 580	08	orange

R+M Nr.
200 456 130
200 456 135
200 456 140
200 456 145
200 456 150
200 456 155
200 456 160
200 456 165
200 456 170
200 456 180

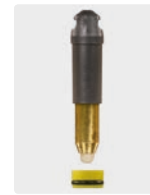
R+M Nr.	D	C
200 456 630	03	yellow
200 456 635	035	purple
200 456 640	04	brown
200 456 645	045	light green
200 456 650	05	black
200 456 655	055	light blue
200 456 660	06	red
200 456 665	065	nature
200 456 670	07	pink
200 456 680	08	orange
200 456 690 *	09	green

R+M Nr.
200 456 130
200 456 135
200 456 140
200 456 145
200 456 150
200 456 155
200 456 160
200 456 165
200 456 170
200 456 180
200 456 190

R+M Nr.	D	C
200 558 540	04	brown

R+M Nr.
200 558 140

ST-458.1



1/4" F. Spray angle 20°. 120 - 250 bar. Max. 100 °C

Kit ST-458.1

1/2" F. Spray angle 20°. 120 - 250 bar. Max. 100 °C

Kit ST-458.1

1/2" F. Spray angle 20°. 120 - 250 bar. Max. 100 °C

Kit ST-458.1

R+M Nr.	D	C
200 458 811	11	
200 458 812	12	
200 458 813	13	
200 458 815	15	
200 458 818	18	
200 458 820	20	
200 458 825	25	
200 458 830	30	

R+M Nr.
200 458 311
200 458 312
200 458 313
200 458 315
200 458 318
200 458 320
200 458 325
200 458 330

R+M Nr.	D	C
200 458 712	12	
200 458 715	15	
200 458 720	20	
200 458 730	30	

R+M Nr.
200 458 312
200 458 315
200 458 320
200 458 330

R+M Nr.	D	C
200 458 745	045	light green
200 458 755	055	light blue
200 458 770	07	pink
200 458 791	09	green

R+M Nr.
200 458 245
200 458 255
200 458 270
200 458 290

ST-559 Suttner rotating nozzles with carbide insert

ST-559



1/4" F. 300-600 bar. Max. 90 °C

M20x1 F. 300-600 bar. Max. 90 °C

Kit ST-559

R+M Nr.	D
200 559 520	02
200 559 530	03
200 559 540	04
200 559 550	05
200 559 555	055
200 559 560	06

R+M Nr.	D
200 559 320	02
200 559 330	03
200 559 340	04

R+M Nr.
200 559 120
200 559 130
200 559 140
200 559 150
200 559 155
200 559 160

* limited stock

Suttner rotating nozzles without plastic cap

ST-357.1



1/4" F. Spray angle 20°. 100 - 250 bar. Max. 100 °C

R+M Nr.	D
200 357 632	3
200 357 637	35
200 357 642	4
200 357 647	45
200 357 652	5
200 357 657	55
200 357 662	6
200 357 667	65
200 357 672	7
200 357 682	8
200 357 692	9
200 357 612	10



Kit ST-357.1

R+M Nr.	
200 357 130	
200 357 135	
200 357 140	
200 357 145	
200 357 150	
200 357 155	
200 357 160	
200 357 165	
200 357 170	
200 357 280	
200 357 290	
200 357 110	

ST-458.1



1/4" F. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D
200 458 632	3
200 458 637	35
200 458 642	4
200 458 647	45
200 458 652	5
200 458 657	55
200 458 662	6
200 458 667	65
200 458 672	7
200 458 682	8
200 458 692	9
200 458 612	10



Kit ST-458.1

R+M Nr.	
200 458 230	
200 458 235	
200 458 240	
200 458 245	
200 458 250	
200 458 255	
200 458 260	
200 458 265	
200 458 270	
200 458 280	
200 458 290	
200 458 210	

ST-33 High Pressure Filter



Brass with stainless steel filter. Bidirectional. Max. 400 bar / 40 l/min. / 150 °C

R+M Nr.	I	⊙	⊙
200 033 855	45.6 mm	1/4" M	1/4" F

Suttner rotating nozzles in different colours

With effect from today we enlarge the choice of colours of the plastic plugs for our rotating nozzles ST-357, ST-456 and ST-458. In addition to the standard colour black, you are invited to take the nozzle in blue, red, yellow and green, now. The decision is up to you as it is possible now to adapt the rotating nozzles individually to your company's colour or to the one of your customers.

By using different colours the affiliation to a certain unit (rental business), user or application is possible in an easy way. Moreover, classifications regarding different areal divisions within the HACCP can be realized.

What would you like to mark? Please find it out and test it!



Plastic caps for rotating nozzles ST-357

R+M Nr.	C
020 007 405	black
020 007 406	blue
020 007 409	yellow
020 007 411	green
020 007 412	red

Plastic caps for rotating nozzles ST-456

R+M Nr.	C
020 001 022	black
020 001 041	blue
020 001 046	yellow
020 001 047	green
020 001 048	red

Plastic caps for rotating nozzles ST-458

R+M Nr.	C
020 001 025	black
020 001 026	blue
020 001 029	yellow
020 001 031	green
020 001 032	red

Symbols **D** nozzle **C** colour coding **I** height **⊙** thread

Suttner rotating nozzles with ceramic insert

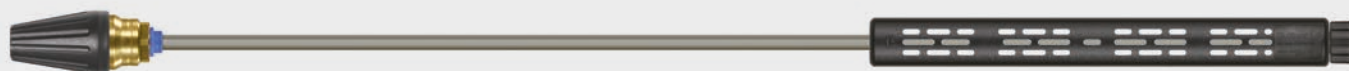


M22 F. Lance with rotating nozzle ST-357.1. Spray angle 20°. 100 - 250 bar. Max. 100 °C

R+M Nr.	D	C	↔	M*
653 030 04	03	yellow	430 mm	zinc-plated steel
653 035 04	035	purple	430 mm	zinc-plated steel
653 040 04	04	brown	430 mm	zinc-plated steel
653 045 04	045	light green	430 mm	zinc-plated steel
653 050 04	05	black	430 mm	zinc-plated steel
653 055 04	055	light blue	430 mm	zinc-plated steel
653 060 04	06	red	430 mm	zinc-plated steel
653 065 04	065	nature	430 mm	zinc-plated steel
653 070 04	07	pink	430 mm	zinc-plated steel

M22 F. Lance with rotating nozzle ST-357.1. Spray angle 20°. 100 - 250 bar. Max. 100 °C

R+M Nr.	D	C	↔	M*
653 030 049	03	yellow	430 mm	stainless steel
653 035 049	035	purple	430 mm	stainless steel
653 040 049	04	brown	430 mm	stainless steel
653 045 049	045	light green	430 mm	stainless steel
653 050 049	05	black	430 mm	stainless steel
653 055 049	055	light blue	430 mm	stainless steel
653 060 049	06	red	430 mm	stainless steel
653 065 049	065	nature	430 mm	stainless steel
653 070 049	07	pink	430 mm	stainless steel



K

M22 F. Lance with vented handle ST-9 380 mm and rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D	C	↔	M*
653 835 012	035	purple	1,000 mm	zinc-plated steel
653 840 012	04	brown	1,000 mm	zinc-plated steel
653 845 012	045	light green	1,000 mm	zinc-plated steel
653 850 012	05	black	1,000 mm	zinc-plated steel
653 855 012	055	light blue	1,000 mm	zinc-plated steel
653 860 012	06	red	1,000 mm	zinc-plated steel
653 865 012	065	nature	1,000 mm	zinc-plated steel
653 870 012	07	pink	1,000 mm	zinc-plated steel
653 880 012	08	orange	1,000 mm	zinc-plated steel

M22 F. Lance with vented handle ST-9 380 mm and rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D	C	↔	M*
653 835 021	035	purple	1,000 mm	stainless steel
653 840 021	04	brown	1,000 mm	stainless steel
653 845 021	045	light green	1,000 mm	stainless steel
653 850 021	05	black	1,000 mm	stainless steel
653 855 021	055	light blue	1,000 mm	stainless steel
653 860 021	06	red	1,000 mm	stainless steel
653 865 021	065	nature	1,000 mm	stainless steel
653 870 021	07	pink	1,000 mm	stainless steel
653 880 021	08	orange	1,000 mm	stainless steel

* lance

Suttner rotating nozzles with ceramic insert



K

Plug K. Lance with rotating nozzle ST-357.1. Spray angle 20°. 100 - 250 bar. Max. 100 °C

Plug K. Lance with rotating nozzle ST-357.1. Spray angle 20°. 100 - 250 bar. Max. 100 °C

R+M Nr.	D	C	↔	M*
653 030 011	03	yellow	430 mm	zinc-plated steel
653 035 011	035	purple	430 mm	zinc-plated steel
653 040 011	04	brown	430 mm	zinc-plated steel
653 045 011	045	light green	430 mm	zinc-plated steel
653 050 011	05	black	430 mm	zinc-plated steel
653 055 011	055	light blue	430 mm	zinc-plated steel
653 060 011	06	red	430 mm	zinc-plated steel
653 065 011	065	nature	430 mm	zinc-plated steel
653 070 011	07	pink	430 mm	zinc-plated steel

R+M Nr.	D	C	↔	M*
653 030 019	03	yellow	430 mm	stainless steel
653 035 019	035	purple	430 mm	stainless steel
653 040 019	04	brown	430 mm	stainless steel
653 045 019	045	light green	430 mm	stainless steel
653 050 019	05	black	430 mm	stainless steel
653 055 019	055	light blue	430 mm	stainless steel
653 060 019	06	red	430 mm	stainless steel
653 065 019	065	nature	430 mm	stainless steel
653 070 019	07	pink	430 mm	stainless steel



Kr

M22 M. Lance with rotating nozzle ST-357.1. Spray angle 20°. 100 - 250 bar. Max. 100 °C

M22 M. Lance with rotating nozzle ST-357.1. Spray angle 20°. 100 - 250 bar. Max. 100 °C

R+M Nr.	D	C*	↔	M**
653 030 03	03	yellow	430 mm	zinc-plated steel
653 035 03	035	purple	430 mm	zinc-plated steel
653 040 03	04	brown	430 mm	zinc-plated steel
653 045 03	045	light green	430 mm	zinc-plated steel
653 050 03	05	black	430 mm	zinc-plated steel
653 055 03	055	light blue	430 mm	zinc-plated steel
653 060 03	06	red	430 mm	zinc-plated steel
653 065 03	065	nature	430 mm	zinc-plated steel
653 070 03	07	pink	430 mm	zinc-plated steel

R+M Nr.	D	C*	↔	M*
653 030 039	03	yellow	430 mm	stainless steel
653 035 039	035	purple	430 mm	stainless steel
653 040 039	04	brown	430 mm	stainless steel
653 045 039	045	light green	430 mm	stainless steel
653 050 039	05	black	430 mm	stainless steel
653 055 039	055	light blue	430 mm	stainless steel
653 060 039	06	red	430 mm	stainless steel
653 065 039	065	nature	430 mm	stainless steel
653 070 039	07	pink	430 mm	stainless steel

Lance clips

The lance clips are easily clamped onto every 1/4" lance thus informing the user about the nozzle size or the affiliation to a certain unit, user or application.

Moreover, classifications regarding different areal divisions within the HACCP can be realized. The marking of various spray angles is also possible.

The lance clips suitable for all 1/4" lances are made out of polypropylene which is intended to come into contact with foodstuffs.



R+M Nr.	C
020 004 230	yellow
020 004 235	purple
020 004 240	brown
020 004 245	light green
020 004 250	black
020 004 255	light blue
020 004 260	red
020 004 265	nature
020 004 270	pink
020 004 280	orange
020 004 290	green
020 004 300	grey

* lance

Symbols **D** nozzle **C** colour coding **↔** length **M** material

Suttner rotating nozzles with ceramic insert



Kr

M22 M. Lance with rotating nozzle ST-456. Spray angle 20°. 200 - 350 bar.
Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 135 018	035	purple	600 mm	zinc-plated steel
653 140 018	04	brown	600 mm	zinc-plated steel
653 145 018	045	light green	600 mm	zinc-plated steel
653 150 018	05	black	600 mm	zinc-plated steel
653 155 018	055	light blue	600 mm	zinc-plated steel
653 160 018	06	red	600 mm	zinc-plated steel
653 165 018	065	nature	600 mm	zinc-plated steel
653 170 018	07	pink	600 mm	zinc-plated steel
653 180 018	08	orange	600 mm	zinc-plated steel

M22 M. Lance with rotating nozzle ST-456. Spray angle 20°. 200 - 350 bar.
Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 135 018 9	035	purple	600 mm	stainless steel
653 140 018 9	04	brown	600 mm	stainless steel
653 145 018 9	045	light green	600 mm	stainless steel
653 150 018 9	05	black	600 mm	stainless steel
653 155 018 9	055	light blue	600 mm	stainless steel
653 160 018 9	06	red	600 mm	stainless steel
653 165 018 9	065	nature	600 mm	stainless steel
653 170 018 9	07	pink	600 mm	stainless steel
653 180 018 9	08	orange	600 mm	stainless steel



Kr

M22 M. Lance with rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar.
Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 835 016	035	purple	430 mm	zinc-plated steel
653 840 016	04	brown	430 mm	zinc-plated steel
653 845 016	045	light green	430 mm	zinc-plated steel
653 850 016	05	black	430 mm	zinc-plated steel
653 855 016	055	light blue	430 mm	zinc-plated steel
653 860 016	06	red	430 mm	zinc-plated steel
653 865 016	065	nature	430 mm	zinc-plated steel
653 870 016	07	pink	430 mm	zinc-plated steel
653 880 016	08	orange	430 mm	zinc-plated steel

M22 M. Lance with rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar.
Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 835 019	035	purple	430 mm	stainless steel
653 840 019	04	brown	430 mm	stainless steel
653 845 019	045	light green	430 mm	stainless steel
653 850 019	05	black	430 mm	stainless steel
653 855 019	055	light blue	430 mm	stainless steel
653 860 019	06	red	430 mm	stainless steel
653 865 019	065	nature	430 mm	stainless steel
653 870 019	07	pink	430 mm	stainless steel
653 880 019	08	orange	430 mm	stainless steel

* lance

Suttner rotating nozzles with ceramic insert



M22 M. Lance with vented handle ST-9 380 mm and rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 835 015	035	purple	1,000 mm	zinc-plated steel
653 840 015	04	brown	1,000 mm	zinc-plated steel
653 845 015	045	light green	1,000 mm	zinc-plated steel
653 850 015	05	black	1,000 mm	zinc-plated steel
653 855 015	055	light blue	1,000 mm	zinc-plated steel
653 860 015	06	red	1,000 mm	zinc-plated steel
653 865 015	065	nature	1,000 mm	zinc-plated steel
653 870 015	07	pink	1,000 mm	zinc-plated steel
653 880 015	08	orange	1,000 mm	zinc-plated steel

M22 M. Lance with vented handle ST-9 380 mm and rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 835 020	035	purple	1,000 mm	stainless steel
653 840 020	04	brown	1,000 mm	stainless steel
653 845 020	045	light green	1,000 mm	stainless steel
653 850 020	05	black	1,000 mm	stainless steel
653 855 020	055	light blue	1,000 mm	stainless steel
653 860 020	06	red	1,000 mm	stainless steel
653 865 020	065	nature	1,000 mm	stainless steel
653 870 020	07	pink	1,000 mm	stainless steel
653 880 020	08	orange	1,000 mm	stainless steel



A Kr

Plug KW. Lance with rotating nozzle ST-357.1. Spray angle 20°. 100 - 250 bar. Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 030 17	03	yellow	430 mm	zinc-plated steel
653 035 17	035	purple	430 mm	zinc-plated steel
653 040 17	04	brown	430 mm	zinc-plated steel
653 045 17	045	light green	430 mm	zinc-plated steel
653 050 17	05	black	430 mm	zinc-plated steel
653 055 17	055	light blue	430 mm	zinc-plated steel
653 060 17	06	red	430 mm	zinc-plated steel
653 065 17	065	nature	430 mm	zinc-plated steel
653 070 17	07	pink	430 mm	zinc-plated steel

Plug KW. Lance with rotating nozzle ST-357.1. Spray angle 20°. 100 - 250 bar. Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 030 179	03	yellow	430 mm	stainless steel
653 035 179	035	purple	430 mm	stainless steel
653 040 179	04	brown	430 mm	stainless steel
653 045 179	045	light green	430 mm	stainless steel
653 050 179	05	black	430 mm	stainless steel
653 055 179	055	light blue	430 mm	stainless steel
653 060 179	06	red	430 mm	stainless steel
653 065 179	065	nature	430 mm	stainless steel
653 070 179	07	pink	430 mm	stainless steel

* lance

Symbols **D** nozzle **C** colour coding **↔** length **M** material

Suttner rotating nozzles with ceramic insert



A Kr

Plug KW. Lance with rotating nozzle ST-456. Spray angle 20°. 200 - 350 bar. Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 135 017	035	purple	600 mm	zinc-plated steel
653 140 017	04	brown	600 mm	zinc-plated steel
653 145 017	045	light green	600 mm	zinc-plated steel
653 150 017	05	black	600 mm	zinc-plated steel
653 155 017	055	light blue	600 mm	zinc-plated steel
653 160 017	06	red	600 mm	zinc-plated steel
653 165 017	065	nature	600 mm	zinc-plated steel
653 170 017	07	pink	600 mm	zinc-plated steel
653 180 017	08	orange	600 mm	zinc-plated steel

Plug KW. Lance with rotating nozzle ST-456. Spray angle 20°. 200 - 350 bar. Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 135 017 9	035	purple	600 mm	stainless steel
653 140 017 9	04	brown	600 mm	stainless steel
653 145 017 9	045	light green	600 mm	stainless steel
653 150 017 9	05	black	600 mm	stainless steel
653 155 017 9	055	light blue	600 mm	stainless steel
653 160 017 9	06	red	600 mm	stainless steel
653 165 017 9	065	nature	600 mm	stainless steel
653 170 017 9	07	pink	600 mm	stainless steel
653 180 017 9	08	orange	600 mm	stainless steel



A Kr

Plug KW. Lance with rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 835 024	035	purple	600 mm	zinc-plated steel
653 840 024	04	brown	600 mm	zinc-plated steel
653 845 024	045	light green	600 mm	zinc-plated steel
653 850 024	05	black	600 mm	zinc-plated steel
653 855 024	055	light blue	600 mm	zinc-plated steel
653 860 024	06	red	600 mm	zinc-plated steel
653 865 024	065	nature	600 mm	zinc-plated steel
653 870 024	07	pink	600 mm	zinc-plated steel
653 880 024	08	orange	600 mm	zinc-plated steel

Plug KW. Lance with rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D	C	↔	M)*
653 835 025	035	purple	600 mm	stainless steel
653 840 025	04	brown	600 mm	stainless steel
653 845 025	045	light green	600 mm	stainless steel
653 850 025	05	black	600 mm	stainless steel
653 855 025	055	light blue	600 mm	stainless steel
653 860 025	06	red	600 mm	stainless steel
653 865 025	065	nature	600 mm	stainless steel
653 870 025	07	pink	600 mm	stainless steel
653 880 025	08	orange	600 mm	stainless steel

* lance

Suttner rotating nozzles with ceramic insert



A Kr













Plug KW. Lance with vented handle ST-9 380 mm and rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D	C	↔	M*
653 835 014	035	purple	1,000 mm	zinc-plated steel
653 840 014	04	brown	1,000 mm	zinc-plated steel
653 845 014	045	light green	1,000 mm	zinc-plated steel
653 850 014	05	black	1,000 mm	zinc-plated steel
653 855 014	055	light blue	1,000 mm	zinc-plated steel
653 860 014	06	red	1,000 mm	zinc-plated steel
653 865 014	065	nature	1,000 mm	zinc-plated steel
653 870 014	07	pink	1,000 mm	zinc-plated steel
653 880 014	08	orange	1,000 mm	zinc-plated steel

Plug KW. Lance with vented handle ST-9 380 mm and rotating nozzle ST-458.1. Spray angle 20°. 200 - 400 bar. Max. 100 °C

R+M Nr.	D	C	↔	M*
653 835 023	035	purple	1,000 mm	stainless steel
653 840 023	04	brown	1,000 mm	stainless steel
653 845 023	045	light green	1,000 mm	stainless steel
653 850 023	05	black	1,000 mm	stainless steel
653 855 023	055	light blue	1,000 mm	stainless steel
653 860 023	06	red	1,000 mm	stainless steel
653 865 023	065	nature	1,000 mm	stainless steel
653 870 023	07	pink	1,000 mm	stainless steel
653 880 023	08	orange	1,000 mm	stainless steel

Cleantecs rotating nozzles with carbide insert

<p>HM 500</p>  <p>Kit HM 500</p>  <p>G9/16". Spray angle 20°. Max. 500 bar / 90 °C</p> <table border="1"> <thead> <tr><th>R+M Nr.</th><th>D</th></tr> </thead> <tbody> <tr><td>655 500 630</td><td>03</td></tr> </tbody> </table>	R+M Nr.	D	655 500 630	03	<p>HM 500</p>  <p>Kit HM 500</p>  <p>M20x1. Spray angle 20°. Max. 500 bar / 90 °C</p> <table border="1"> <thead> <tr><th>R+M Nr.</th><th>D</th></tr> </thead> <tbody> <tr><td>655 500 130</td><td></td></tr> <tr><td>655 500 640</td><td>028</td></tr> </tbody> </table>	R+M Nr.	D	655 500 130		655 500 640	028	<p>HM 500</p>  <p>Kit HM 500</p>  <p>M20x1. Spray angle 20°. Max. 500 bar / 90 °C</p> <table border="1"> <thead> <tr><th>R+M Nr.</th><th>D</th></tr> </thead> <tbody> <tr><td>655 500 130</td><td></td></tr> <tr><td>655 500 650</td><td>05</td></tr> <tr><td>655 500 150</td><td></td></tr> </tbody> </table>	R+M Nr.	D	655 500 130		655 500 650	05	655 500 150																																																																																									
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* lance

Symbols **D** nozzle **C** colour coding **↔** length **M** material

Rotating nozzles

R+M 150



K

Plug K. Lance with rotating nozzle R+M 150. Spray angle 17°. 50 - 150 bar. Max. 60 °C

R+M Nr.	D	C	⇄	M*	R+M Nr.
653 325 011	025	green	430 mm	zinc-plated steel	
653 330 011	03	yellow	430 mm	zinc-plated steel	
653 335 011	035	black	430 mm	zinc-plated steel	
653 340 011	04	blue	430 mm	zinc-plated steel	
653 345 011	045	dark green	430 mm	zinc-plated steel	



A

Plug KW. Lance with rotating nozzle R+M 150. Spray angle 17°. 50 - 150 bar. Max. 60 °C

R+M Nr.	D	C	⇄	M*	R+M Nr.
653 325 05	025	green	430 mm	zinc-plated steel	
653 330 05	03	yellow	430 mm	zinc-plated steel	
653 335 05	035	black	430 mm	zinc-plated steel	
653 340 05	04	blue	430 mm	zinc-plated steel	
653 345 05	045	dark green	430 mm	zinc-plated steel	



Kr

M22 M. Lance with rotating nozzle R+M 150. Spray angle 17°. 50 - 150 bar. Max. 60 °C

R+M Nr.	D	C	⇄	M*	R+M Nr.
653 325 03	025	green	430 mm	zinc-plated steel	
653 330 03	03	yellow	430 mm	zinc-plated steel	
653 335 03	035	black	430 mm	zinc-plated steel	
653 340 03	04	blue	430 mm	zinc-plated steel	
653 345 03	045	dark green	430 mm	zinc-plated steel	

* lance

Symbols **D** nozzle **C** colour coding **⇄** length **M** material **DN** nominal diameter **⇄** flow

Rotating nozzles

R+M 150



1/4" F. Spray angle 17°. 50 - 150 bar. Max. 60 °C

R+M Nr.	D	C
653 325	025	green
653 330	03	yellow
653 335	035	black
653 340	04	blue
653 345	045	dark green

IP ROTOMAX



1/4" F. Housing black. Nozzle and seal kit ceramic. Adjustable spray angle. 100 - 250 bar. Max. 80 °C

R+M Nr.	DN	↔	C
996 050 01	1.4 mm	10 - 16 l/min	red
996 050 02	1.6 mm	12 - 18 l/min	blue
996 050 03	2.0 mm	14 - 21 l/min	black

Vario nozzles and triple nozzles

Vario nozzles



M22 M. Lance with vario nozzle. Zinc-plated steel. Max. 200 bar / 150 °C

R+M Nr.	D	C	↔	M*
658 103 03	03	yellow	430 mm	zinc-plated steel
658 103 53	035	white	430 mm	zinc-plated steel
658 104 03	04	blue	430 mm	zinc-plated steel
658 104 53	045	orange	430 mm	zinc-plated steel
658 105 03	05	green	430 mm	zinc-plated steel
658 105 53	055	black	430 mm	zinc-plated steel
658 106 03	06	grey	430 mm	zinc-plated steel

M22 M. Lance with vario nozzle. Stainless steel Max. 200 bar / 150 °C

R+M Nr.	D	C	↔	M*
658 103 039	03	yellow	430 mm	stainless steel
658 103 539	035	white	430 mm	stainless steel
658 104 039	04	blue	430 mm	stainless steel
658 104 539	045	orange	430 mm	stainless steel
658 105 039	05	green	430 mm	stainless steel
658 105 539	055	black	430 mm	stainless steel
658 106 039	06	grey	430 mm	stainless steel



1/4" F. Housing black. Max. 200 bar / 150 °C

R+M Nr.	D	C
658 103 0	03	yellow
658 103 5	035	white
658 104 0	04	blue
658 104 5	045	orange
658 105	05	green
658 105 5	055	black
658 106	06	grey



M18 F. Housing black. Max. 200 bar / 150 °C

R+M Nr.	D	C
658 103 04	03	yellow
658 103 54	035	white
658 104 04	04	blue
658 104 54	045	orange
658 105 04	05	green
658 105 54	055	black
658 106 04	06	grey

* lance

Functional principle vario nozzles



Vario nozzles and triple nozzles

Triple nozzles



M22 M. Lance with triple nozzle. Max. 250 bar / 80 °C

R+M Nr.	D	C	↔	M*
657 545 03	045	blue	430 mm	zinc-plated steel
657 555 03	055	red	430 mm	zinc-plated steel
657 560 03	06	green	430 mm	zinc-plated steel

R+M Nr.



1/4" F. Housing black. Max. 250 bar / 80 °C

R+M Nr.	D	C
657 545	045	blue
657 555	055	red
657 560	06	green

M18 F. Housing black. Max. 250 bar / 80 °C

R+M Nr.	D	C
657 545 1	045	blue
657 555 1	055	red
657 560 1	06	green

Functional principle triple nozzles



Adjustable nozzles



M22 M. Lance with adjustable nozzle. Spray angle 25°. Max. 200 bar / 150 °C

R+M Nr.	D	↔	M*
657 340 30	04	430 mm	zinc-plated steel
657 345 30	045	430 mm	zinc-plated steel
657 350 30	05	430 mm	zinc-plated steel
657 355 30	055	430 mm	zinc-plated steel
657 370 30	07	430 mm	zinc-plated steel

R+M Nr.	D	↔	M*
657 340 309	04	430 mm	stainless steel
657 345 309	045	430 mm	stainless steel
657 350 309	05	430 mm	stainless steel
657 355 309	055	430 mm	stainless steel
657 370 309	07	430 mm	stainless steel



Plug KW. Lance with adjustable nozzle. Without nozzle. Max. 200 bar / 150 °C

R+M Nr.	↔	M*
657 300 7	600 mm	zinc-plated steel

R+M Nr.	↔	M*
657 300 79	600 mm	stainless steel

* lance

Flat jet lances



Kr

M22 M. Lance with nozzle protector ST-10 and nozzle. Max. 400 bar / 150 °C

R+M Nr.	D	☐	(M)*
512 903 03	2503	430 mm	zinc-plated steel
512 904 03	2504	430 mm	zinc-plated steel
512 904 53	25045	430 mm	zinc-plated steel
513 103 03	2503	500 mm	zinc-plated steel
513 104 03	2504	500 mm	zinc-plated steel
513 104 53	25045	500 mm	zinc-plated steel
513 107 53	2507	500 mm	zinc-plated steel
513 203 53	25035	600 mm	zinc-plated steel
513 204 03	2504	600 mm	zinc-plated steel
513 204 53	25045	600 mm	zinc-plated steel
513 205 03	2505	600 mm	zinc-plated steel
513 206 03	2506	600 mm	zinc-plated steel
513 207 03	2507	600 mm	zinc-plated steel
513 208 03	2508	600 mm	zinc-plated steel
513 210 03	2510	600 mm	zinc-plated steel
513 211 03	2511	600 mm	zinc-plated steel
513 212 53	25125	600 mm	zinc-plated steel

M22 M. Lance with nozzle protector ST-10 and nozzle. Max. 400 bar / 150 °C

R+M Nr.	D	☐	(M)*
512 903 039	2503	430 mm	stainless steel
512 904 039	2504	430 mm	stainless steel
512 904 539	25045	430 mm	stainless steel
513 103 039	2503	500 mm	stainless steel
513 104 039	2504	500 mm	stainless steel
513 104 539	25045	500 mm	stainless steel
513 107 539	2507	500 mm	stainless steel
513 203 539	25035	600 mm	stainless steel
513 204 039	2504	600 mm	stainless steel
513 204 539	25045	600 mm	stainless steel
513 205 039	2505	600 mm	stainless steel
513 206 039	2506	600 mm	stainless steel
513 207 039	2507	600 mm	stainless steel
513 208 039	2508	600 mm	stainless steel
513 210 039	2510	600 mm	stainless steel
513 211 039	2511	600 mm	stainless steel
513 212 539	25125	600 mm	stainless steel



A Kr

Plug KW. Lance with protector ST-10 without nozzle. Max. 400 bar / 150 °C

R+M Nr.	☐	(M)*
513 100 07	500 mm	zinc-plated steel
513 200 07	600 mm	zinc-plated steel

Plug KW. Lance with protector ST-10 without nozzle. Max. 400 bar / 150 °C

R+M Nr.	☐	(M)*
513 100 079	500 mm	stainless steel
513 200 079	600 mm	stainless steel

* lance

Symbols **D** nozzle **C** colour coding **☐** length **(M)** material

Quick connect spray nozzles by Spraying Systems

limited stock

- » Original Spraying Systems nozzles exclusively for R+M / Suttner
- » High strength plastic. Highly impact resistant.
- » Long lifetime and excellently thermal and chemical stability. Resistant to mineral acids and alkaline solutions.
- » Nipple stainless steel. Nipple at black nozzle plastic.
- » Suitable for applications requiring a frequent and quick change of the spraying angle.
- » Max. 210 bar



Blasting nozzle. Delivers a very concentrated stream of water. **Care should be used to avoid gouging wood or damaging fragile surfaces.**

Chiseling nozzle. The spray should be directed at a 45° angle to the surface and used like a scraper to remove paint, grease and dirt.

Flushing nozzle. Best suited for flushing dirt, mud and grime.

Wash nozzle. Recommended for rinsing and moderate washing.

Low pressure soap nozzle. Designed for prespraying detergents on all kinds of surfaces. Low pressure rinsing.

	0°	15°	25°	40°	65°
ⓓ	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
03	610 107				
035	610 207	613 207	617 807	621 207	
04	610 307	613 307	617 907	621 307	
045	610 407	613 407	618 007	621 407	
40					626 807

Quick connect spray nozzles with hardened stainless steel insert

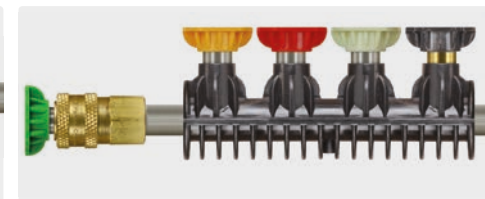
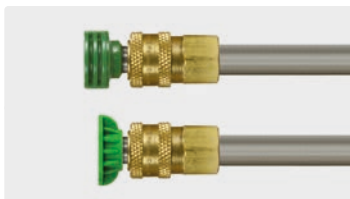
limited stock

- » High strength plastic. Highly impact resistant
- » Long lifetime and excellently thermal stability.
- » Nipple stainless steel. Nipple at black nozzle made out of brass.
- » Suitable for applications requiring a frequent and quick change of the spraying angle.
- » Max. 210 bar



	0°	15°	25°	40°
ⓓ	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
035		613 208		
045	610 408			
05	610 508		618 108	621 508
055	610 608	613 608	618 208	621 608
06		613 708	618 308	

Accessories quick connect spray nozzles



Coupling 1/4" F NPT

Nipple 1/4" M NPT

Nozzle holder for quick connect spray nozzles. Suitable for 1/4" lances. Without accessories

R+M Nr.	R+M Nr.	R+M Nr.
550 001 40	550 011 40	020 002 510

Coupling-system ST-245

Nipple ST-245



⊖ 1/4" M.
Stainless steel.
Max. 350 bar

R+M Nr.	⊖
040 005 447	27.5



⊖ 1/4" M.
Stainless steel.
Max. 350 bar

R+M Nr.	⊖
040 005 446	33.5



⊖ 1/4" M. Stainless steel. Max. 350 bar.
For wear cone

R+M Nr.	⊖
040 005 445	3 42.0

ST-245 Coupling / wear cone ST-245

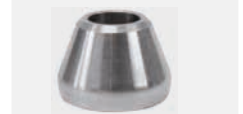


R+M Nr.	⊖
200 245 500	1 1/4" F



R+M Nr.	⊖
200 245 510	1 3/8" M

For 040 005 445



R+M Nr.	⊖
040 005 431	2

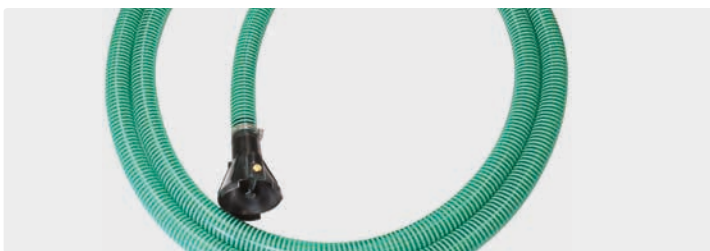


4
Suitable for all 1/4" F nozzles for sewer cleaning.

Mud suckers

The high-performance mud sucker for all standard pressure washers

extracts stones (up to 20 mm), mud, dirt, sand, algae & sediment.
Operating pressure min. 80 bar at 7 l/min. Suction power of approx. 8,000 to 18,000 l/h. Spiral hose: DN 38 mm, length 5 m



M22 M

M21 M

1/2" M

M18 M

Plug KW

⊖	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
04	545 504 0	545 514 0	545 524 0	545 534 0
045	545 504 5	545 514 5	545 524 5	545 534 5
05	545 505 0	545 515 0	545 525 0	545 535 0
055	545 505 5	545 515 5	545 525 5	545 535 5
06	545 506 0	545 516 0	545 526 0	545 536 0
065	545 506 5	545 516 5	545 526 5	545 536 5
07	545 507 0	545 517 0	545 527 0	545 537 0
08	545 508 0	545 518 0	545 528 0	545 538 0
10	545 501 0			

R+M Nr.	⊖	HP hose ⊖
545 545 5	055	5 m
545 546 0	06	5 m

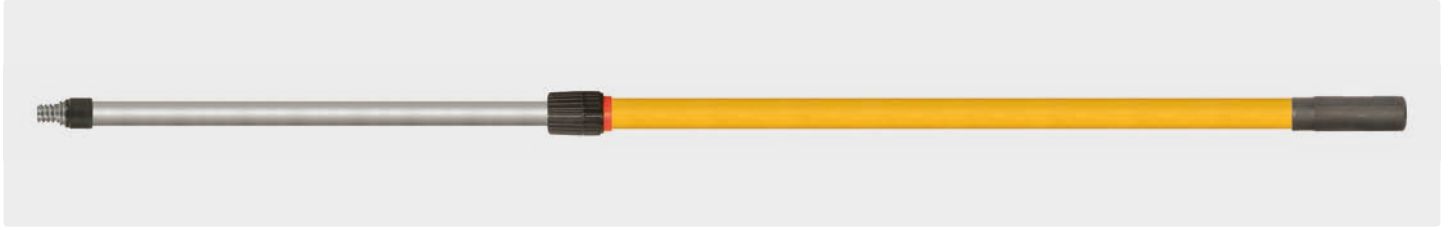
Performance chart

high pressure cleaner		capacity of mud sucker	
⊖	⊖	capacity	capacity
100 bar	10 l/min	ca. 170 l/min	ca. 10,000 l/h
150 bar	12 l/min	ca. 220 l/min	ca. 13,000 l/h
200 bar	15 l/min	ca. 300 l/min	ca. 18,000 l/h

Symbols ⊖ pressure ⊖ flow ⊖ nozzle ⊖ inlet ⊖ length

Telescopic lances and wash brushes

Telescopic lances with coarse thread



Telescopic lances with coarse thread. Telescopic handle without water flow

R+M Nr.	☐	
525 050		900 - 1,800 mm
525 070		1,800 - 3,600 mm
525 085		1,800 - 5,400 mm
525 100		2,400 - 7,200 mm



Telescopic lances with coarse thread. Telescopic handle with water flow

R+M Nr.	☐	⊙
525 200	900 - 1,800 mm	coupler plug "universal"
525 300	1,800 - 3,600 mm	coupler plug "universal"

Wash brushes with coarse thread



Bristles 60 mm. Soft. 250 x 80 mm

R+M Nr.	VPE
525 000	1



Bristles 60 mm. Hard. 250 x 80 mm

R+M Nr.	VPE
525 010	1

R+M EcoLine with coarse thread



Bristles 60 mm. Hard. 250 x 80 mm

R+M Nr.	VPE
525 015	1
525 016	6

Accessories telescopic lances with coarse thread



Screw connection

R+M Nr.
525 901



Angle adaptor

R+M Nr.
525 040



Spare valve. 3/4" M : 3/4" F

R+M Nr.
726 420

Further telescopic lances are on page 290 and further wash brushes are on pages 285-287.

Symbols ☐ length VPE packing unit ⊙ inlet ⊙ thread

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

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

R+M Nr.	C	Ⓢ
523 703	60 mm	1/8" M



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

R+M Nr.	C	Ⓢ
200 023 700	60 mm	1/4" F



new

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

R+M Nr.	C	Ⓢ
200 023 730	60 mm	1/4" F



K

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

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 Ⓢ thread Ⓢ nozzle ↔ flow

Rotating brushes

Brushes without hinge



1/4" M. Natural. Max. 50 bar / 50 °C

R+M Nr.
522 10



1/4" M. Nylon. Max. 50 bar / 50 °C

R+M Nr.
522 30



M18 F. Natural. Max. 50 bar / 50 °C

R+M Nr.
522 20



M18 F. Nylon. Max. 50 bar / 50 °C

R+M Nr.
522 40

Brushes with hinge



1/4" F. Natural. Max. 50 bar / 50 °C

R+M Nr.
522 50



1/4" F. Nylon. Max. 50 bar / 50 °C

R+M Nr.
522 60



M18 F. Natural. Max. 50 bar / 50 °C

R+M Nr.
523 001



1/4" F. Perlon. Max. 50 bar / 50 °C

R+M Nr.
200 021 121

Brushes with hinge and lance



R+M Nr.		lance
522 504	M22 M	430 mm

Replacement brushes



Natural

R+M Nr.
524 10



Nylon

R+M Nr.
524 20

Accessories wash brushes

Brush with air injector turbofoam365+



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

Bristles 60 mm

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

Air injector



1/4" F : 1/4" M. l/min at 100 bar

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

Brush holder



With snap fit. Only works with nozzle holder 108 290 18 +

R+M Nr.	
108 290 15	1/4" M

Nozzle holder



1/4" F. For brush holder 108 290 15

R+M Nr.	
108 290 18	1/8" F
108 290 19	1/4" F

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



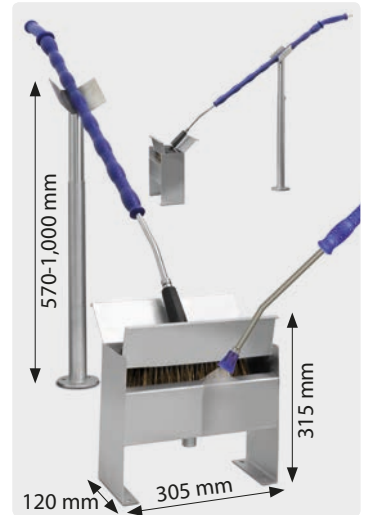
Container with overflow and lateral drain for cleaning. For wall and floor mounting. H x W x D = 670 x 340 x 143 mm

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

Wash brush holder, two-piece. For floor mounting and positioning for different length of lances.
Pipe Ø 42 mm



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



Self-service lances

Self-service lances with brush longitudinal



Brush hog hair.

R+M Nr.	bristles
200 023 500	60 mm

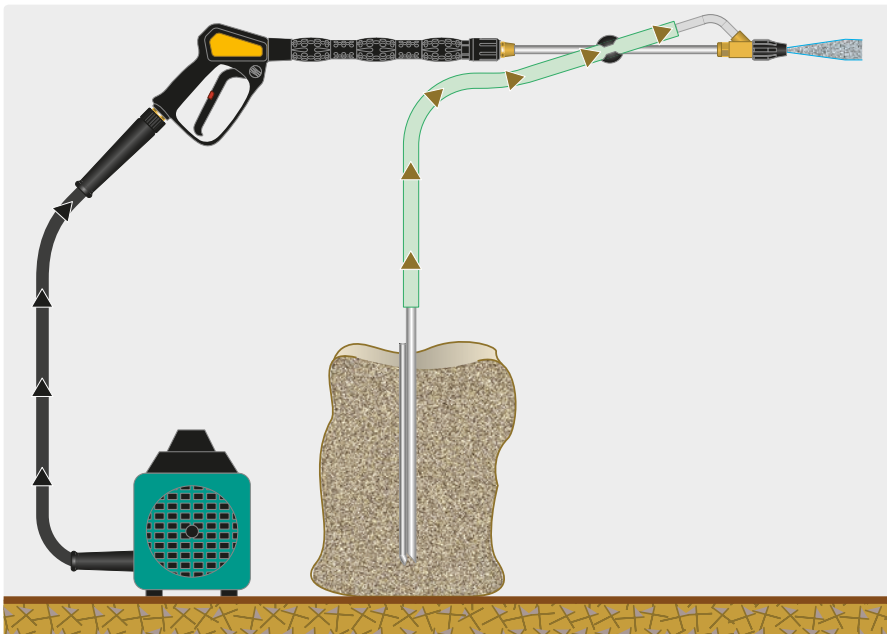
Brush with nozzle protector for nozzle 1/8" M. Without high pressure nozzle

R+M Nr.	(C)
523 960	1/8" M
523 961	1/4" M
523 962	M22 M
523 963	M22 F long nipple



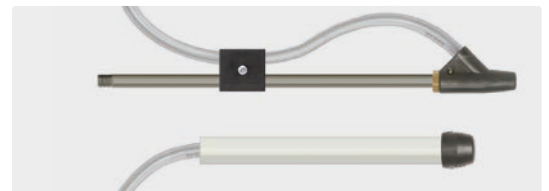
Sandblast kits

Principle of function sandblast kit

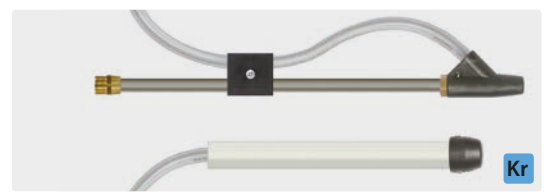


ST-355 hobby

Grain size of the sand 0.2 - 0.8 mm. Lance 300 mm.
Suction hose 3 m.
Max. 150 bar



R+M Nr.	(O)
200 355 500	1/4" m



R+M Nr.	(O)
520 93	M22 M

Sandblast kits

Sandblaster ST-555

M22 M. Stainless steel. Grain size of the sand 0.4 - 0.8 mm for DN 12 and 0.6 - 1.2 mm for DN 19.
Pipe with suction quantity control and hose 4 m.
Max. 500 bar / 100 °C



Rep. kits Sandblaster ST-555



3 nozzles M4. Hardened stainl. steel

D	R+M Nr.
03	200 555 430
04	200 555 440
055	200 555 455
065	200 555 465
075	200 555 475



Sand blasting nozzle

R+M Nr.
200 555 410



K

R+M Nr.	⊕	⊖
561 922 200	M20 F	M22 F



K

R+M Nr.	⊕	⊖
561 922 220	M22 F	M22 F

One tool, six blasting agents, numerous applications:

The sandblaster is suitable for dust-free blasting of the following solids with a grain size ranging from 0.4 to 1.2 mm:

- » **Glass beads**
for cleaning of copper and bronze as well as polishing of stainless steel
- » **Glass powder**
for cleaning of stainless steel and natural stone or for removal of graffiti from light surfaces
- » **Slag (fine)**
for cleaning of sandstone or brick as well as removal of graffiti from dark surfaces
- » **Slag (coarse)**
removal of rust from metals or of old coatings and paintings. cleaning and grinding of concrete surfaces
- » **Sodium carbonate (water-soluble)**
cleaning of sensitive surfaces such as aluminium, glass, plastics, stainless steel
- » **Mineral blasting agent (sand)**
removal of rust from metals or of old coatings and paintings. Cleaning and grinding of concrete surfaces. Varnish removal.



R+M Nr.	⊕	D	⊖
200 555 530	12	03	2.3
200 555 540	12	04	2.3
200 555 555	12	055	2.3
200 555 565	12	065	2.3
200 555 575	12	075	2.3
200 555 630	19	03	3.1
200 555 640	19	04	3.1
200 555 655	19	055	3.1
200 555 665	19	065	3.1
200 555 675	19	075	3.1

Sandblast head ST-55 with regulator

Sand nozzle ST-55



Grain size of the sand 0.2 - 0.8 mm.
Lance 500 / 600 mm.
Suction hose 4 / 5 m.
With or without grip aside.
Max. 200 bar

Hardened stainless steel

R+M Nr.
200 055 495



1/4" M lance 500 mm without grip hose 4 m	1/4" M lance 600 mm with grip hose 5 m	M22 F lance 600 mm with grip hose 5 m	M21 F lance 600 mm with grip hose 5 m	M22 M lance 600 mm with grip hose 5 m	Nippel KW lance 600 mm with grip hose 5 m	M22 M lance 430 mm without grip hose 5 m	M18 F without lance without grip hose 5 m
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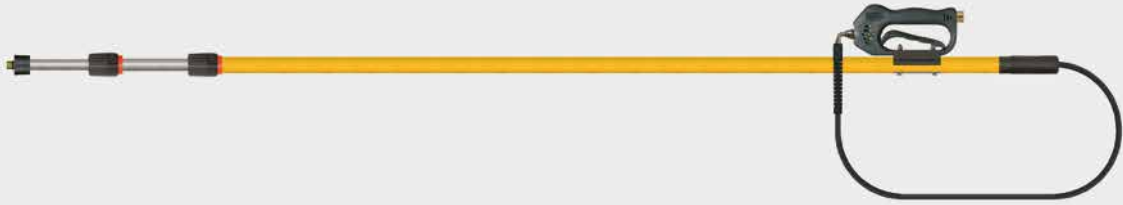
D	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.	R+M Nr.
04	new	520 824 0	520 844 0	520 834 0	520 814 0	520 874 0	520 804 0	520 854 0
045		520 824 5	520 844 5	520 834 5	520 814 5	520 874 5	520 804 5	520 854 5
05		520 825 0	520 845 0	520 835 0	520 815 0	520 875 0	520 805 0	520 855 0
055		520 825 5	520 845 5	520 835 5	520 815 5	520 875 5	520 805 5	520 855 5
06	200 055 606	520 826 0	520 846 0	520 836 0	520 816 0	520 876 0	520 806 0	520 856 0
065		520 826 5	520 846 5 K	520 836 5 W	520 816 5	520 876 5 A	520 806 5 Kr	520 856 5 K

Symbols ⊕ length ⊕ inlet M material D nozzle ⊖ thread ⊖ weight DN nominal diameter

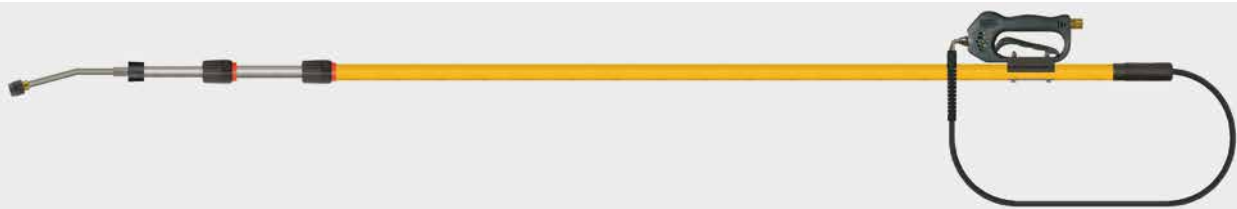
High pressure telescopic lances

- » Light and handy. Length easily adjustable. Adjustable from 2.3 m to 7.4 m.
- » Lance with embedded high pressure hose and mounted Suttner gun ST-601. Lance without high pressure nozzle.
- » Max. 275 bar / 100 °C

Our telescopic high pressure lances are up to
30 % lighter than comparable lances.

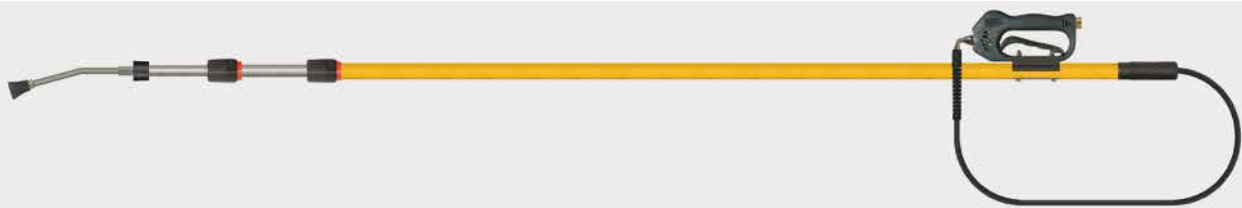


R+M Nr.	⌀	↻	↔	Ⓒ
525 070 8	2.4 kg	1/4" M	2.3 - 3.8 m	3/8" F
525 085 8	4.3 kg	1/4" M	2.3 - 5.6 m	3/8" F
525 100 8	5.4 kg	1/4" M	2.9 - 7.4 m	3/8" F



K

R+M Nr.	⌀	↻	↔	Ⓒ
525 070 1	2.6 kg	nozzle protector without tip	2.3 - 3.8 m	M22 M
525 085 1	4.5 kg	nozzle protector without tip	2.3 - 5.6 m	M22 M
525 100 1	5.6 kg	nozzle protector without tip	2.9 - 7.4 m	M22 M



R+M Nr.	⌀	↻	↔	Ⓒ
525 070 2	2.6 kg	nozzle protector ST-10 - 1/4" F NPT	2.3 - 3.8 m	3/8" F
525 085 2	4.5 kg	nozzle protector ST-10 - 1/4" F NPT	2.3 - 5.6 m	3/8" F
525 100 2	5.6 kg	nozzle protector ST-10 - 1/4" F NPT	2.9 - 7.4 m	3/8" F

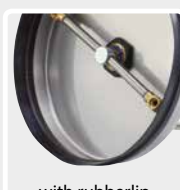
Wall cleaner



turbodevil



with brush strips



with rubberlip

- » Rotating wall cleaner suitable for telescopic lances
- » Splash guard stainless steel with rubberlip or brush strips
- » Splash guard ⌀ 300 mm
- » Without nozzles. 2 nozzles 1/4" M with 15° spray angle are required
- » Max. 250 bar / 90 °C.

R+M Nr.	Ⓒ	TYP	⌀
521 032 251	M22 M	rubberlip	1.9 kg
521 032 254	M22 M	brush strips	1.9 kg
521 032 256	M18 F	K rubberlip	1.9 kg
521 032 255	M18 F	K brush strips	1.9 kg
521 032 258	1/4" F	rubberlip	1.9 kg
521 032 257	1/4" F	brush strips	1.9 kg



Screw connections

R+M Nr.
525 901

Symbols Ⓒ inlet ↻ outlet TYP type ↔ length ⌀ weight