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## Reduction sockets

Female thread : female thread



Brass



Stainless steel



Nickel-plated brass

| IG : IG     |
|-------------|
| 1/8" : 1/4" |
| 1/4" : 3/8" |
| 1/4" : 1/2" |
| 3/8" : 1/2" |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 518 20  | 400 bar | 26 mm |
| 518 60  | 400 bar | 28 mm |

| R+M Nr.     | P       | I     |
|-------------|---------|-------|
| 040 001 023 | 400 bar | 26 mm |

| R+M Nr. | P      | I     |
|---------|--------|-------|
| 518 524 | 50 bar | 24 mm |
| 518 534 | 50 bar | 26 mm |

## Sockets

Female thread : female thread



Hexagon. Brass



Hexagon. Stainless steel

| IG : IG     |
|-------------|
| 1/8" : 1/8" |
| 1/4" : 1/4" |
| 3/8" : 3/8" |
| 1/2" : 1/2" |
| 3/4" : 3/4" |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 518 10  | 400 bar | 22 mm |
| 518 30  | 400 bar | 26 mm |
| 518 40  | 300 bar | 26 mm |
| 518 50  | 250 bar | 30 mm |
| 518 55  | 150 bar | 36 mm |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 518 19  | 500 bar | 22 mm |
| 518 39  | 500 bar | 25 mm |
| 518 49  | 400 bar | 26 mm |
| 518 59  | 400 bar | 34 mm |
| 518 559 | 250 bar | 36 mm |



Hexagon. Zinc-plated steel



Round. Zinc-plated steel



Round. Stainless steel

| IG : IG     |
|-------------|
| 1/4" : 1/4" |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 518 32  | 400 bar | 25 mm |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 519 00  | 500 bar | 25 mm |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 519 009 | 500 bar | 25 mm |

## Reduction double nipples

Male thread : male thread



Brass



Stainless steel



Zinc-plated steel

| AG : AG     |
|-------------|
| 1/8" : 1/4" |
| 1/8" : 3/8" |
| 1/4" : 3/8" |
| 1/4" : 1/2" |
| 3/8" : 1/2" |
| 3/8" : 3/4" |
| 1/2" : 3/4" |
| 3/4" : 1"   |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 570 20  | 400 bar | 22 mm |
| 570 30  | 400 bar | 23 mm |
| 570 50  | 400 bar | 24 mm |
| 570 60  | 400 bar | 27 mm |
| 570 80  | 400 bar | 27 mm |
| 571 00  | 250 bar | 34 mm |
| 571 20  | 150 bar | 38 mm |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 570 29  | 500 bar | 29 mm |
| 570 39  | 500 bar | 30 mm |
| 570 59  | 500 bar | 33 mm |
| 570 69  | 500 bar | 37 mm |
| 570 89  | 500 bar | 40 mm |
| 571 09  | 400 bar | 43 mm |
| 571 29  | 250 bar | 45 mm |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 570 28  | 500 bar | 28 mm |
| 570 38  | 500 bar | 30 mm |
| 570 58  | 500 bar | 32 mm |
| 570 68  | 500 bar | 35 mm |
| 570 88  | 500 bar | 37 mm |
| 570 858 | 400 bar | 39 mm |
| 571 08  | 400 bar | 40 mm |
| 571 28  | 250 bar | 46 mm |

Symbols IG female thread AG male thread I height P pressure

## Double nipples

Male thread : male thread



Brass

| AG : AG     | R+M Nr. | P       | I     |
|-------------|---------|---------|-------|
| 1/8" : 1/8" | 570 10  | 400 bar | 20 mm |
| 1/4" : 1/4" | 570 40  | 400 bar | 23 mm |
| 1/4" : 1/4" | 570 45  | 400 bar | 30 mm |
| 3/8" : 3/8" | 570 70  | 400 bar | 25 mm |
| 3/8" : 3/8" | 570 71  | 400 bar | 30 mm |
| 1/2" : 1/2" | 570 90  | 400 bar | 30 mm |
| 3/4" : 3/4" | 571 10  | 250 bar | 33 mm |
| 1" : 1"     | 571 30  | 150 bar | 32 mm |



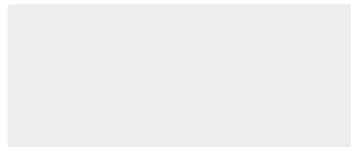
Stainless steel

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 570 19  | 500 bar | 25 mm |
| 570 49  | 500 bar | 29 mm |
| 570 79  | 500 bar | 35 mm |
| 570 99  | 500 bar | 42 mm |
| 571 19  | 400 bar | 44 mm |
| 571 39  | 250 bar | 43 mm |



Zinc-plated steel

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 570 18  | 500 bar | 25 mm |
| 570 48  | 500 bar | 29 mm |
| 570 78  | 500 bar | 34 mm |
| 570 98  | 500 bar | 38 mm |
| 571 18  | 400 bar | 42 mm |
| 571 38  | 250 bar | 48 mm |



Stainless steel

| AGR BSP : AGN NPT | R+M Nr. | P | I |
|-------------------|---------|---|---|
| 3/8" : 3/8"       |         |   |   |
| 1/2" : 1/2"       |         |   |   |



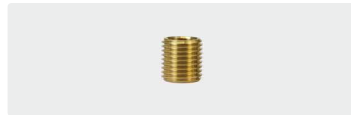
Zinc-plated steel

| R+M Nr.   | P       | I     |
|-----------|---------|-------|
| 570 892   | 315 bar | 38 mm |
| 570 999 2 | 200 bar | 46 mm |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 570 782 | 280 bar | 35 mm |
| 570 982 | 200 bar | 43 mm |

## Reduction nipples

Female thread : male thread



Round. Brass

| IG : AG     | R+M Nr. | P       | I     |
|-------------|---------|---------|-------|
| 1/8" : 1/4" | 575 11  | 400 bar | 13 mm |
| 1/8" : 3/8" |         |         |       |
| 1/8" : 1/2" |         |         |       |
| 1/4" : 3/8" |         |         |       |
| 1/4" : 1/2" |         |         |       |
| 3/8" : 1/2" |         |         |       |
| 3/8" : 3/4" |         |         |       |
| 1/2" : 3/4" |         |         |       |
| 3/4" : 1"   |         |         |       |



Hexagon. Brass

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 575 10  | 400 bar | 13 mm |
| 575 20  | 400 bar | 14 mm |
| 575 45  | 400 bar | 20 mm |
| 575 30  | 400 bar | 14 mm |
| 575 40  | 400 bar | 20 mm |
| 575 50  | 400 bar | 20 mm |
| 575 60  | 250 bar | 20 mm |
| 575 70  | 250 bar | 20 mm |
| 575 80  | 150 bar | 23 mm |



Hexagon. Stainless steel

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 575 19  | 500 bar | 18 mm |
| 575 29  | 500 bar | 18 mm |
| 575 459 | 500 bar | 18 mm |
| 575 39  | 500 bar | 20 mm |
| 575 49  | 500 bar | 25 mm |
| 575 59  | 500 bar | 23 mm |
| 575 69  | 250 bar | 24 mm |
| 575 79  | 250 bar | 27 mm |
| 575 89  | 150 bar | 27 mm |

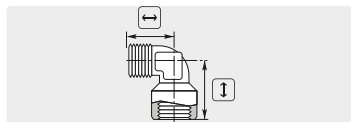


Hexagon. Zinc-plated steel

| IG : AG     | R+M Nr. | P       | I     |
|-------------|---------|---------|-------|
| 1/8" : 1/4" | 575 18  | 500 bar | 18 mm |
| 1/8" : 3/8" | 575 28  | 500 bar | 20 mm |
| 1/4" : 3/8" | 575 38  | 500 bar | 20 mm |
| 1/4" : 1/2" | 575 48  | 500 bar | 25 mm |
| 1/4" : 3/4" | 575 468 | 500 bar | 27 mm |
| 3/8" : 1/2" | 575 58  | 500 bar | 24 mm |
| 3/8" : 3/4" | 575 68  | 250 bar | 27 mm |
| 1/2" : 3/4" | 575 78  | 250 bar | 27 mm |
| 1/2" : 1"   | 575 758 | 150 bar | 30 mm |

## Elbow

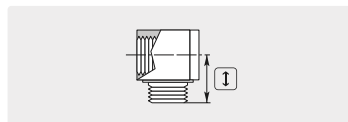
## Female thread : male thread



Brass

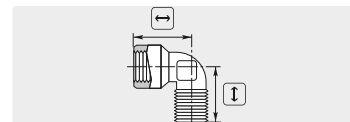
| IG : AG     |
|-------------|
| 1/8" : 1/8" |
| 1/4" : 1/4" |
| 3/8" : 3/8" |
| 1/2" : 1/2" |

| R+M Nr.     | P       | ↔  | I  |
|-------------|---------|----|----|
| 010 005 410 | 350 bar | 29 | 29 |
| 010 005 400 | 350 bar | 29 | 29 |



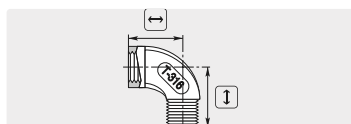
Brass (short version)

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 572 00  | 250 bar | 18 mm |
| 572 10  | 250 bar | 19 mm |
| 572 20  | 250 bar | 21 mm |



Brass

| R+M Nr. | P       | ↔  | I  |
|---------|---------|----|----|
| 572 30  | 150 bar | 26 | 24 |
| 572 35  | 150 bar | 26 | 24 |
| 572 36  | 150 bar | 34 | 31 |

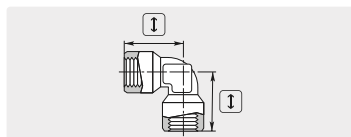


Stainless steel

| IG : AG     |
|-------------|
| 1/4" : 1/4" |
| 3/8" : 3/8" |

| R+M Nr. | P       | ↔  | I  |
|---------|---------|----|----|
| 579 15  | 150 bar | 22 | 28 |
| 579 29  | 150 bar | 23 | 31 |

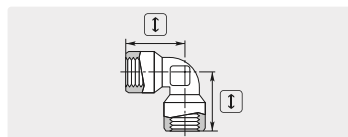
## Female thread : female thread



Brass

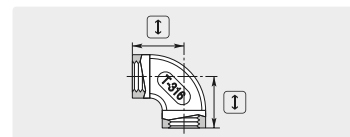
| IG : IG     |
|-------------|
| 1/4" : 1/4" |
| 3/8" : 3/8" |
| 1/2" : 1/2" |

| R+M Nr.     | P       | I     |
|-------------|---------|-------|
| 010 005 420 | 350 bar | 29 mm |
| 010 005 430 | 350 bar | 29 mm |



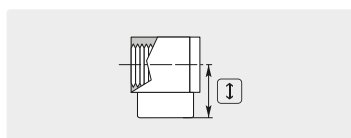
Nickel-plated brass

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 572 40  | 150 bar | 26 mm |
| 572 50  | 150 bar | 28 mm |
| 572 51  | 150 bar | 34 mm |



Stainless steel

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 579 10  | 150 bar | 19 mm |
| 575 25  | 150 bar | 25 mm |



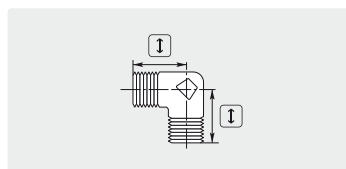
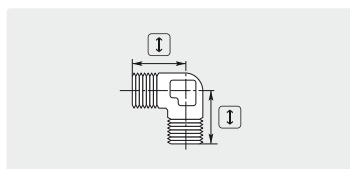
Brass (short version)

| IG : IG     |
|-------------|
| 1/4" : 1/4" |

| R+M Nr.     | P       | I       |
|-------------|---------|---------|
| 710 101 075 | 250 bar | 19,5 mm |

## Elbow

Male thread : male thread



Brass

Nickel-plated brass

| IG : AG     |
|-------------|
| 1/4" : 1/4" |
| 3/8" : 3/8" |
| 1/2" : 1/2" |

| R+M Nr.     | P       | I     |
|-------------|---------|-------|
| 010 005 440 | 350 bar | 29 mm |
| 010 005 450 | 350 bar | 29 mm |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 572 60  | 150 bar | 24 mm |
| 572 70  | 150 bar | 27 mm |
| 572 80  | 150 bar | 32 mm |

## Reduction extension nipples

Female thread : male thread



Brass

Stainless steel

| IG : AG       |
|---------------|
| 1/4" : 1/8"   |
| 1/4" : 3/8"   |
| 3/8" : 1/4"   |
| 3/8" : 1/2"   |
| 1/2" : 3/8"   |
| 3/4" : 1/2"   |
| 1" : 1/2"     |
| 1" : 3/4"     |
| 1-1/4" : 3/4" |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 576 10  | 150 bar | 25 mm |
| 576 40  | 250 bar | 29 mm |
| 576 30  | 250 bar | 26 mm |
| 576 65  | 250 bar | 34 mm |
| 576 60  | 250 bar | 32 mm |
| 576 70  | 250 bar | 34 mm |
| 576 90  | 150 bar | 26 mm |

| R+M Nr.   | P       | I     |
|-----------|---------|-------|
| 576 19    | 400 bar | 25 mm |
| 576 49    | 400 bar | 27 mm |
| 576 39    | 400 bar | 26 mm |
| 576 659   | 400 bar | 34 mm |
| 576 69    | 400 bar | 32 mm |
| 576 79    | 400 bar | 34 mm |
| 576 88    | 400 bar | 49 mm |
| 576 900 9 | 250 bar | 51 mm |
| 576 910 9 | 250 bar | 55 mm |

## Extension nipples

Female thread : male thread



Brass

Stainless steel

| IG : AG     |
|-------------|
| 1/4" : 1/4" |
| 3/8" : 3/8" |
| 3/8" : 3/8" |
| 1/2" : 1/2" |

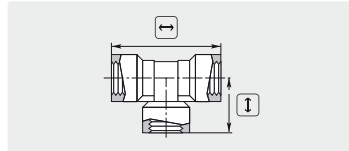
| R+M Nr. | P       | I     |
|---------|---------|-------|
| 576 20  | 400 bar | 28 mm |
| 576 50  | 250 bar | 29 mm |
| 576 55  | 250 bar | 40 mm |
| 576 80  | 250 bar | 34 mm |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 576 29  | 250 bar | 26 mm |
| 576 59  | 250 bar | 29 mm |
| 576 89  | 250 bar | 34 mm |

Symbols IG female thread AG male thread L length I height P pressure

## T-connections

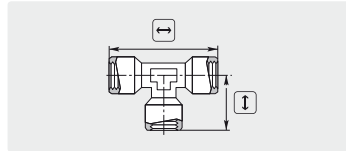
## Female thread



Brass

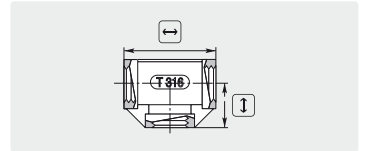
| IG : IG     |
|-------------|
| 1/4" : 1/4" |
| 3/8" : 3/8" |
| 1/2" : 1/2" |

| R+M Nr.     | P       | ↔  | ↓  |
|-------------|---------|----|----|
| 010 005 480 | 350 bar | 58 | 29 |



Brass

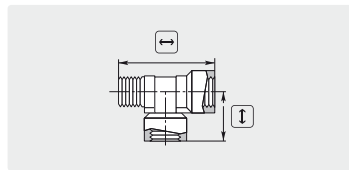
| R+M Nr. | P       | ↔  | ↓  |
|---------|---------|----|----|
| 573 30  | 150 bar | 51 | 25 |
| 573 32  | 150 bar | 56 | 28 |
| 573 33  | 150 bar | 70 | 35 |



Stainless steel

| R+M Nr. | P       | ↔  | ↓  |
|---------|---------|----|----|
| 579 50  | 150 bar | 39 | 20 |
| 579 60  | 150 bar | 48 | 24 |
| 579 70  | 150 bar | 52 | 26 |

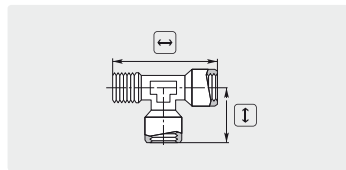
## Female thread : male thread



Brass

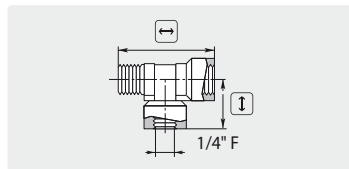
| IG : AG     |
|-------------|
| 1/4" : 1/4" |
| 3/8" : 3/8" |
| 1/2" : 1/2" |

| R+M Nr.     | P       | ↔  | ↓  |
|-------------|---------|----|----|
| 010 005 470 | 350 bar | 58 | 29 |



Nickel-plated brass

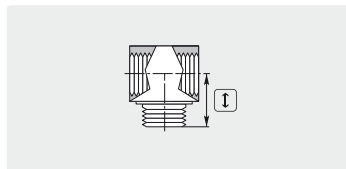
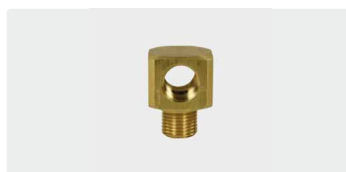
| R+M Nr. | P       | ↔  | ↓  |
|---------|---------|----|----|
| 573 50  | 150 bar | 49 | 26 |
| 573 60  | 150 bar | 54 | 28 |
| 573 70  | 150 bar | 67 | 32 |



Brass

| IG : AG             |
|---------------------|
| 1/8" : 1/8"         |
| 1/4" : 1/4"         |
| 3/8" : 3/8"         |
| 3/8" F : M : 1/4" F |

| R+M Nr.     | P       | ↔  | ↓  |
|-------------|---------|----|----|
| 010 005 460 | 350 bar | 58 | 29 |



Brass (T-block)

| R+M Nr. | P       | ↔  | ↓  |
|---------|---------|----|----|
| 573 00  | 250 bar | 16 | 16 |
| 573 10  | 250 bar | 22 | 20 |
| 573 20  | 250 bar | 27 | 22 |

## Plugs

### Male thread



Brass. With hexagon



Brass. With hexagon



Nickel-plated brass

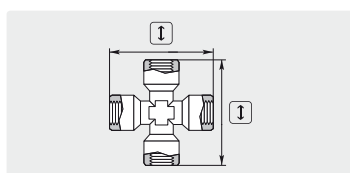
| AG   | R+M Nr. | P       | I     |
|------|---------|---------|-------|
| 1/8" | 578 01  | 250 bar | 11 mm |
| 1/4" | 578 15  | 250 bar | 13 mm |
| 3/8" | 578 25  | 250 bar | 15 mm |
| 1/2" | 578 30  | 250 bar | 18 mm |
| 3/4" | 578 40  | 150 bar | 24 mm |

| R+M Nr.     | P       | I     |
|-------------|---------|-------|
| 578 00      | 250 bar | 8 mm  |
| 578 10      | 250 bar | 10 mm |
| 010 000 365 | 250 bar | 10 mm |

| R+M Nr. | I      |
|---------|--------|
| 574 638 | 5.5 mm |

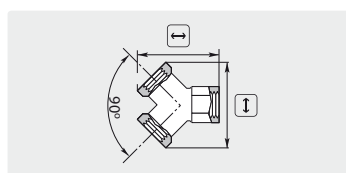
## Distribution fittings

### Cross

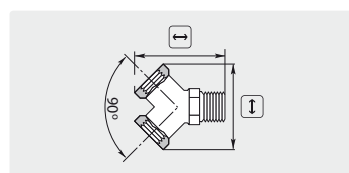


F. Nickel-plated brass

### 3-way



F. Nickel-plated brass



F : M. Nickel-plated brass

| IG   | R+M Nr. | P       | I     |
|------|---------|---------|-------|
| 1/4" | 574 514 | 150 bar | 51 mm |
| 3/8" |         |         |       |
| 1/2" |         |         |       |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 574 00  | 150 bar | 32 36 |
| 574 10  | 150 bar | 37 40 |
| 574 15  | 150 bar | 45 53 |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 574 35  | 150 bar | 42 40 |

## Swivel connectors

### Female thread : male thread



Stainless steel

| IG : AG     | R+M Nr. | P       | I     |
|-------------|---------|---------|-------|
| 1/4" : 1/4" | 582 03  | 350 bar | 34 mm |
| 3/8" : 3/8" | 582 04  | 350 bar | 42 mm |
| 1/2" : 1/2" | 582 02  | 200 bar | 44 mm |
| 1/2" : 3/8" | 582 01  | 350 bar | 44 mm |

| R+M Nr. | P       | I     |
|---------|---------|-------|
| 582 039 | 350 bar | 34 mm |
| 582 049 | 350 bar | 42 mm |
| 582 029 | 200 bar | 44 mm |
| 582 019 | 350 bar | 44 mm |

Symbols IG female thread AG male thread I length I height P pressure

### Compression fittings (bicone ring system)

#### Straight screw connectors



X-GE. Zinc-plated steel

| R+M Nr.    | TYP  | AG  | AG   | I  |
|------------|------|-----|------|----|
| 580 90     | 6 LL | M10 | 1/8" | 20 |
| 580 95     | 6 L  | M12 | 1/8" | 23 |
| 580 98     | 6 L  | M12 | 1/4" | 28 |
| 580 99     | 8 L  | M14 | 1/8" | 24 |
| 581 00     | 8 L  | M14 | 1/4" | 29 |
| 581 05     | 8 L  | M14 | 3/8" | 31 |
| 581 10     | 10 L | M16 | 1/4" | 30 |
| 581 20     | 10 L | M16 | 3/8" | 28 |
| 581 25     | 10 L | M16 | 1/2" | 34 |
| 581 50     | 12 L | M18 | 1/4" | 31 |
| 581 60     | 12 L | M18 | 3/8" | 28 |
| 581 55     | 12 L | M18 | 1/2" | 31 |
| 581 141 21 | 14 S | M22 | 1/2" | 41 |



X-GE. Stainless steel

| R+M Nr.    | TYP  | AG  | AG   | I  |
|------------|------|-----|------|----|
| 581 19     | 10 L | M16 | 1/4" | 30 |
| 581 29     | 10 L | M16 | 3/8" | 28 |
| 581 59     | 12 L | M18 | 1/4" | 31 |
| 581 69     | 12 L | M18 | 3/8" | 28 |
| 596 143 81 | 14 S | M22 | 3/8" | 39 |
| 596 141 21 | 14 S | M22 | 1/2" | 41 |

#### Straight screw connectors



X-GAI. Zinc-plated steel

| R+M Nr. | TYP  | IG   | AG  | I  |
|---------|------|------|-----|----|
| 580 00  | 6 L  | 1/4" | M12 | 25 |
| 580 10  | 8 L  | 1/4" | M14 | 31 |
| 580 20  | 10 L | 1/4" | M16 | 32 |
| 580 50  | 10 L | 3/8" | M16 | 28 |
| 580 30  | 12 L | 1/4" | M18 | 33 |
| 580 40  | 12 L | 3/8" | M18 | 33 |



X-GAI. Stainless steel

| R+M Nr. | TYP  | IG   | AG  | I  |
|---------|------|------|-----|----|
| 580 29  | 10 L | 1/4" | M16 | 32 |
| 580 39  | 12 L | 1/4" | M18 | 33 |

#### Nominal pressure according to DIN 2401

LL = light series

L = solid series

S = heavy duty series

Other connections are available on request.

| TYP         | Stainless steel | Zinc-plated steel |
|-------------|-----------------|-------------------|
| LL ( 4 - 8) | 100 bar         | 100 bar           |
| L ( 6 - 10) | 315 bar         | 500 bar           |
| L (12 - 18) | 315 bar         | 400 bar           |
| L (22 - 42) | 160 bar         | 250 bar           |
| S ( 6 - 10) | 630 bar         | 800 bar           |
| S (12 - 16) | 490 bar         | 630 bar           |
| S (20 - 38) | 315 bar         | 420 bar           |

#### Double nipples / connectors



X-G. Zinc-plated steel

| R+M Nr. | TYP  | AG  | I  |
|---------|------|-----|----|
| 581 30  | 10 L | M16 | 27 |
| 581 70  | 12 L | M18 | 28 |



X-G. Stainless steel

| R+M Nr. | TYP  | AG  | I  |
|---------|------|-----|----|
| 581 79  | 12 L | M18 | 28 |

#### Elbows

WE-R. Zinc-plated steel.  
With nut & bicone ring

| R+M Nr.   | TYP  | AG   | Ø  | I  |
|-----------|------|------|----|----|
| 583 00    | 6 L  | 1/8" | 6  | 28 |
| 583 20    | 12 L | 3/8" | 12 | 35 |
| 583 121 4 | 12 L | 1/4" | 12 | 35 |

#### Pipe pieces

EG. Zinc-plated steel.  
Nut & bicone ring premounted

| R+M Nr.  | TYP  | AG  | Ø    | I     |
|----------|------|-----|------|-------|
| 581 12   | 8 L  | M14 | 1/4" | 8 42  |
| 581 11   | 10 L | M16 | 1/4" | 10 40 |
| 581 15   | 10 L | M16 | 3/8" | 10 44 |
| 581 61   | 12 L | M18 | 3/8" | 12 47 |
| 581 619* | 12 L | M18 | 3/8" | 12 47 |
| 581 13   | 12 L | M18 | 1/4" | 12 47 |

X-EG. Zinc-plated steel.  
Without nut & bicone ring

| R+M Nr. | AG  | Ø    | I     |
|---------|-----|------|-------|
| 582 25  | M18 | 3/8" | 12 47 |

#### Bicone rings



Zinc-plated steel

| R+M Nr. | TYP   | Ø  |
|---------|-------|----|
| 584 102 | L / S | 10 |
| 584 122 | L / S | 12 |

#### Nut



Zinc-plated steel

| R+M Nr. | TYP  | Ø   |
|---------|------|-----|
| 584 101 | 10 L | M16 |
| 584 121 | 12 L | M18 |

\* Stainless steel



## Removable screw connections

Male thread : male thread



Stainless steel

| AG : AG     | R+M Nr.     | P              |
|-------------|-------------|----------------|
| 1/2" : 1/2" | 574 812 009 | max. 15 bar 67 |
| 3/4" : 3/4" | 574 834 009 | max. 15 bar 73 |

## Quick screw couplings ST-740 and nipples ST-741

Quick screw couplings ST-740 and nipples ST-741



M24 F : M.  
Max. 700 bar / 150 °C



M24 F : M.  
Max. 700 bar / 150 °C



M : M24 M.  
Max. 700 bar / 150 °C



M24 M : M24 M.  
Max. 700 bar / 150 °C

| ⊙    | R+M Nr.     | R+M Nr.     | R+M Nr.     | R+M Nr.     |
|------|-------------|-------------|-------------|-------------|
| 3/8" | 200 740 501 | 200 740 601 | 200 741 501 |             |
| 1/2" | 200 740 503 |             | 200 741 503 |             |
| M24  |             |             |             | 200 741 600 |



M24 F : F.  
Max. 700 bar / 150 °C



M24 F : F.  
Max. 700 bar / 150 °C



F : M24 M.  
Max. 700 bar / 150 °C

| ⊙     | R+M Nr.     | R+M Nr.     | R+M Nr.     |
|-------|-------------|-------------|-------------|
| 1/4"  | 200 740 504 | 200 740 604 | 200 741 504 |
| 3/8"  | 200 740 502 | 200 740 602 | 200 741 502 |
| M16x1 | 200 740 506 |             |             |

Seals



O-ring - ST-740

| R+M Nr.     |
|-------------|
| 050 000 408 |



O-ring - ST-741

| R+M Nr.     |
|-------------|
| 050 001 000 |



Back ring - ST-740

| R+M Nr.     |
|-------------|
| 050 000 407 |

Symbols ⊙ female thread AG male thread ⊞ length ⊞ height ⊙ thread ⊙ diameter TYP type

## Suttner quick screw swivel couplings ST-44

## Quick screw coupling : male thread



K

M22 F : M. Max. 400 bar / 150 °C

| ⊙    |
|------|
| 1/4" |
| 3/8" |
| 1/2" |
| M18  |
| M22  |

| R+M Nr. | ⓘ     |
|---------|-------|
| 568 00  | 49 mm |
| 568 25  | 70 mm |
| 568 26  | 73 mm |
| 568 30  | 76 mm |
| 568 10  | 76 mm |



W

M21 F : M. Max. 400 bar / 150 °C

| R+M Nr. | ⓘ     |
|---------|-------|
| 568 50  | 49 mm |
| 568 70  | 46 mm |



M22 F : M. Max. 200 bar

| R+M Nr.     | ⓘ     |
|-------------|-------|
| 200 044 510 | 49 mm |



K

M22 F : M22 M. Stainless steel.  
Max. 400 bar / 150 °C

| ⊙   |
|-----|
| M22 |

| R+M Nr. | ⓘ     |
|---------|-------|
| 568 19  | 56 mm |

## Quick screw coupling : female thread



K

M22 F : F. Max. 400 bar / 150 °C

| ⊙    |
|------|
| 1/4" |
| 3/8" |

| R+M Nr. | ⓘ     |
|---------|-------|
| 568 15  | 67 mm |
| 568 20  | 68 mm |



W

M21 F : F. Max. 400 bar / 150 °C

| R+M Nr. | ⓘ     |
|---------|-------|
| 568 80  | 67 mm |

## Seals ST-44



O-ring

| R+M Nr.     | VPE |
|-------------|-----|
| 050 000 651 | 1   |
| 568 009 100 | 100 |



U-ring

| R+M Nr.     |
|-------------|
| 050 000 379 |



O-ring (back)

| R+M Nr. | TYP   |
|---------|-------|
| 568 011 | small |
| 568 010 | big   |



Back ring

| R+M Nr.     | VPE |
|-------------|-----|
| 050 001 511 | 1   |
| 568 008 100 | 100 |



Seal kit

| R+M Nr.   |
|-----------|
| 568 001 1 |

Symbols ⓘ height ⊙ thread VPE packing unit TYP type

## Quick screw couplings ST-241

### Quick screw couplings with internal o-ring



1/2" F : F. Max. 300 bar / 150 °C



1/2" F : M. Max. 300 bar / 150 °C

| 1/4" |
|------|
| 3/8" |
| 1/2" |

| R+M Nr.     | I     |
|-------------|-------|
| 200 241 500 | 52 mm |
| 200 241 520 | 52 mm |
| 200 241 540 | 53 mm |

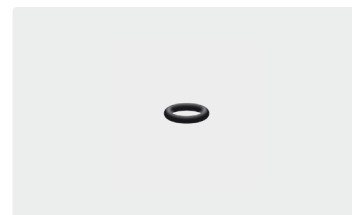
| R+M Nr.     | I     |
|-------------|-------|
| 200 241 510 | 56 mm |
| 200 241 530 | 56 mm |
| 200 241 550 | 58 mm |



F : 1/2" M. Max. 300 bar / 150 °C



M : 1/2" M. Max. 300 bar / 150 °C



O-ring nipple

| 1/4" |
|------|
| 3/8" |
| 1/2" |

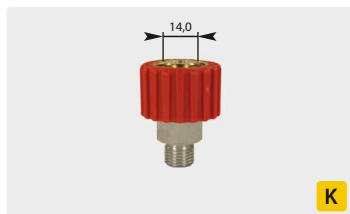
| R+M Nr.     | I     |
|-------------|-------|
| 200 241 700 | 34 mm |
| 200 241 720 | 34 mm |
| 200 241 740 | 36 mm |

| R+M Nr.     | I     |
|-------------|-------|
| 200 241 710 | 38 mm |
| 200 241 730 | 38 mm |
| 200 241 750 | 40 mm |

| R+M Nr.     | VPE |
|-------------|-----|
| 050 000 160 | 1   |
| 791 025 100 | 100 |

## Mosmatic quick screw swivel couplings

### Quick screw coupling : male thread



K

M22 F : M. Max. 250 bar / 120 °C



W

M21 F : M. Max. 250 bar / 120 °C



O-ring Swivel MSM

| 1/4" |
|------|
| 3/8" |
| M18  |
| M22  |

| R+M Nr.    | I     |
|------------|-------|
| 108 701 01 | 47 mm |
| 108 701 03 | 48 mm |
| 108 701 07 | 42 mm |
| 108 701 09 | 46 mm |

| R+M Nr.    | I     |
|------------|-------|
| 108 700 01 | 47 mm |
| 108 700 03 | 48 mm |
| 108 700 07 | 42 mm |

| R+M Nr.    | VPE |
|------------|-----|
| 790 35     | 1   |
| 790 351 00 | 100 |

### Quick screw coupling : female thread



K

M22 F : F. Max. 250 bar / 120 °C



W

M21 F : F. Max. 250 bar / 120 °C

| 1/4" |
|------|
| 3/8" |

| R+M Nr.    | I     |
|------------|-------|
| 108 701 02 | 47 mm |
| 108 701 04 | 48 mm |

| R+M Nr.    | I     |
|------------|-------|
| 108 700 02 | 47 mm |
| 108 700 04 | 48 mm |

## Quick screw couplings

## Quick screw coupling : male thread



Standard M22 : M. Black.  
Max. 400 bar / 150 °C



Standard M21 : M. Grey.  
Max. 400 bar / 150 °C



Short M22 : M. Black.  
Max. 400 bar / 150 °C

| AG   |
|------|
| 1/4" |
| 3/8" |
| 1/2" |
| M16  |
| M18  |
| M21  |
| M22  |

| R+M Nr. | I     |
|---------|-------|
| 561 40  | 49 mm |
| 561 60  | 46 mm |
| 561 66  | 50 mm |
| 561 80  | 51 mm |
| 561 90  | 47 mm |
| 561 98  | 49 mm |
| 561 95  | 60 mm |

| R+M Nr. | I     |
|---------|-------|
| 564 20  | 44 mm |
| 564 40  | 45 mm |
| 564 50  | 43 mm |
| 564 62  | 49 mm |
| 564 60  | 60 mm |

| R+M Nr. | I     |
|---------|-------|
| 560 30  | 28 mm |



Short M21 : M. Grey.  
Max. 400 bar / 150 °C



Short M22 : M. Stainless steel.  
Max. 400 bar / 150 °C



M22 : M. Stainless steel.  
Max. 500 bar

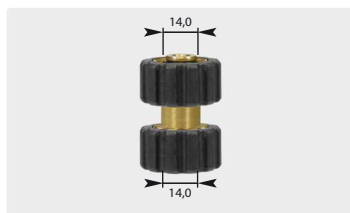
| AG   |
|------|
| 1/4" |
| 3/8" |

| R+M Nr. | I     |
|---------|-------|
| 563 20  | 27 mm |

| R+M Nr. | I     |
|---------|-------|
| 560 39  | 28 mm |

| R+M Nr. | I     |
|---------|-------|
| 561 49  | 48 mm |
| 561 69  | 45 mm |

## Quick screw coupling : quick screw coupling



M22 F : M22 F.  
Max. 400 bar / 150 °C



M22 F : M21 F.  
Max. 400 bar / 150 °C

| Q |
|---|
|---|

| R+M Nr. | I     |
|---------|-------|
| 561 96  | 50 mm |

| R+M Nr. | I     |
|---------|-------|
| 561 97  | 50 mm |

## Quick screw couplings

### Quick screw coupling : female thread



Standard M22 : F. Black.  
Max. 400 bar / 150 °C

| IG   |  |
|------|--|
| 1/8" |  |
| 1/4" |  |
| 3/8" |  |
| 1/2" |  |

| R+M Nr. | I     |
|---------|-------|
| 561 20  | 45 mm |
| 561 30  | 45 mm |
| 561 50  | 45 mm |
| 561 65  | 45 mm |



Standard M21: F. Grey.  
Max. 400 bar / 150 °C

| R+M Nr. | I     |
|---------|-------|
| 564 00  | 42 mm |
| 564 10  | 41 mm |
| 564 30  | 41 mm |



Standard 1/2" : F. Blue.  
Max. 400 bar / 150 °C

| R+M Nr. | I     |
|---------|-------|
| 561 10  | 43 mm |



Short M22 : F. Black.  
Max. 400 bar / 150 °C

| IG   |  |
|------|--|
| 1/8" |  |
| 1/4" |  |
| 3/8" |  |

| R+M Nr. | I     |
|---------|-------|
| 560 10  | 31 mm |
| 560 20  | 28 mm |



M22 : F. Stainless steel.  
Max. 500 bar

| R+M Nr. | I     |
|---------|-------|
| 561 39  | 45 mm |
| 561 59  | 45 mm |

### Seals



O-ring. 10x2.2. Viton

| R+M Nr.    | VPE |
|------------|-----|
| 790 24     | 1   |
| 790 241 00 | 100 |



Back ring

| R+M Nr.     | VPE |
|-------------|-----|
| 050 001 440 | 1   |
| 787 001 100 | 100 |



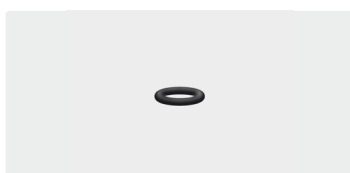
O-ring. 10x2. Perbunan

| R+M Nr. | VPE |
|---------|-----|
| 790 10  | 1   |
| 790 100 | 100 |



O-ring. 10x2. Viton

| R+M Nr.    | VPE |
|------------|-----|
| 790 20     | 1   |
| 790 201 00 | 100 |



O-ring. 10x2.2. Perbunan

| R+M Nr.    | VPE |
|------------|-----|
| 790 25     | 1   |
| 790 251 00 | 100 |

## Quick screw nipples

Male thread : female thread



M22 M : F. Brass. Max. 400 bar

|      | R+M Nr.  | I  |
|------|----------|----|
| 1/8" | 565 10   | 29 |
| 1/4" | 565 20   | 29 |
| 3/8" | 565 40   | 29 |
| 1/2" | 565 65   | 29 |
| M16  | 565 90 * | 34 |
| M18  |          |    |
| M22  | 565 66   | 33 |



M21 M : F. Brass. Max. 400 bar

|          | R+M Nr. | I  |
|----------|---------|----|
| 567 10   |         | 30 |
| 567 20   |         | 29 |
| 567 40   |         | 29 |
|          |         |    |
| 567 60 * |         | 30 |



1/2" M : F. Brass. Max. 400 bar

|        | R+M Nr. | I  |
|--------|---------|----|
| 567 80 |         | 29 |
|        |         |    |
|        |         |    |
|        |         |    |

M22 M : F. Brass. Long.  
Max. 400 bar

|      | R+M Nr. | I  |
|------|---------|----|
| 1/4" | 565 251 | 40 |
| 3/8" | 565 401 | 40 |
| 1/2" |         |    |

M22 M : F. Brass. With hexagon.  
Max. 400 bar

|        | R+M Nr. | I  |
|--------|---------|----|
| 565 80 |         | 38 |

M22 M : F. Stainless steel.  
Max. 500 bar

|         | R+M Nr. | I  |
|---------|---------|----|
| 565 29  |         | 29 |
| 565 49  |         | 29 |
| 565 659 |         | 30 |

## Quick screw nipples

Male thread : male thread

M22 M : M. Brass.  
Max. 400 bar

|      | R+M Nr. | I     |
|------|---------|-------|
| 1/4" | 565 30  | 29 mm |
| 3/8" | 565 50  | 29 mm |
| 1/2" | 565 60  | 29 mm |

M22 M : M with cone (AGR). Brass.  
Max. 400 bar

|         | R+M Nr. | I       |
|---------|---------|---------|
| 565 301 |         | 31.5 mm |
| 565 501 |         | 31.5 mm |

M21 M : M. Brass.  
Max. 400 bar

|        | R+M Nr. | I     |
|--------|---------|-------|
| 567 30 |         | 32 mm |
| 567 50 |         | 32 mm |

M22 M : M. Brass. Long.  
Max. 400 bar

|      | R+M Nr. | I     |
|------|---------|-------|
| 1/4" | 565 311 | 40 mm |
| 3/8" | 565 511 | 40 mm |
| 1/2" |         |       |

M22 M : M. Stainless steel.  
Max. 500 bar

|        | R+M Nr. | I     |
|--------|---------|-------|
| 565 39 |         | 29 mm |
| 565 59 |         | 29 mm |
| 565 69 |         | 29 mm |

M22 M : M. Stainless steel.  
Max. 400 bar

|           | R+M Nr. | I     |
|-----------|---------|-------|
| 565 312 9 |         | 42 mm |

\* limited stock

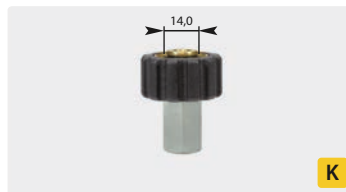
## Quick screw couplings suitable for system 2000



M22 F : M. Max. 400 bar / 150 °C

|      |
|------|
|      |
| 1/4" |

|                |       |
|----------------|-------|
| <b>R+M Nr.</b> |       |
| 560 302        | 30 mm |



M22 F : F. Max. 400 bar / 150 °C

|                |       |
|----------------|-------|
| <b>R+M Nr.</b> |       |
| 561 302        | 45 mm |



M22 F : M. Max. 400 bar / 150 °C

|                |       |
|----------------|-------|
| <b>R+M Nr.</b> |       |
| 561 402        | 49 mm |



M22 F : F. Max. 400 bar / 150 °C

|      |
|------|
|      |
| 3/8" |

|                |       |
|----------------|-------|
| <b>R+M Nr.</b> |       |
| 561 502        | 47 mm |



M22 F : M. Max. 400 bar / 150 °C

|                |       |
|----------------|-------|
| <b>R+M Nr.</b> |       |
| 561 602        | 50 mm |

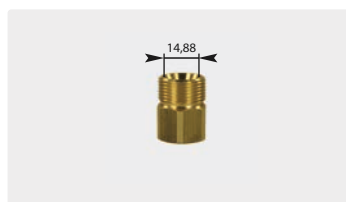
## Quick screw couplings US

### Quick screw couplings US


M22 F : F.  
Max. 400 bar / 150 °C

|        |
|--------|
|        |
| 3/8" F |

|                |       |
|----------------|-------|
| <b>R+M Nr.</b> |       |
| 561 501        | 45 mm |

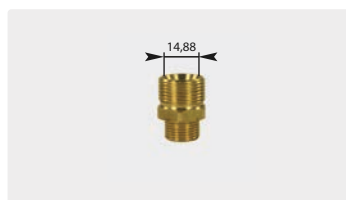

M22 : F.  
Max. 400 bar / 150 °C

|                |    |
|----------------|----|
| <b>R+M Nr.</b> |    |
| 565 402        | 29 |


M22 F : F.  
Max. 400 bar / 150 °C

|        |
|--------|
|        |
| 1/4" M |
| 3/8" M |

|                |       |
|----------------|-------|
| <b>R+M Nr.</b> |       |
| 561 601        | 46 mm |


M22 : M.  
Max. 400 bar / 150 °C

|                |    |
|----------------|----|
| <b>R+M Nr.</b> |    |
| 565 302        | 29 |

### Seal


O-ring. Quick screw coupling US.  
10.77 x 2.62. NBR 70

|                   |     |  |
|-------------------|-----|--|
| <b>R+M Nr.</b>    |     |  |
| 903 825 00        | 1   |  |
| 790 117 726 210 0 | 100 |  |

Symbols height thread

## Quick screw couplings

## Quick screw couplings with long centric nipple



M22 F : F.  
Max. 400 bar / 150 °C



M22 M : M. Long.  
Max. 400 bar / 150 °C

|      |
|------|
|      |
| 1/4" |
| 3/8" |

| R+M Nr. |       |
|---------|-------|
| 561 31  | 36 mm |

| R+M Nr. |       |
|---------|-------|
| 565 311 | 40 mm |
| 565 511 | 40 mm |



M22 M : F. Long.  
Max. 400 bar / 150 °C



M22 M : 1/4" M. Long.  
Max. 400 bar / 150 °C

|      |
|------|
|      |
| 1/4" |
| 3/8" |

| R+M Nr. |       |
|---------|-------|
| 565 251 | 40 mm |
| 565 401 | 40 mm |

| R+M Nr.   |       |
|-----------|-------|
| 565 311 9 | 40 mm |

## QSC with hexagon centric nipple



M22 F : F.  
Max. 400 bar / 150 °C



M22 F : F. With hexagon.  
Max. 400 bar / 150 °C

|      |
|------|
|      |
| 1/4" |

| R+M Nr. |       |
|---------|-------|
| 560 50  | 41 mm |

| R+M Nr. |       |
|---------|-------|
| 565 80  | 38 mm |



## Suttner swivels

### ST-300 swivels



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

| R+M Nr.     |       |
|-------------|-------|
| 200 300 010 | 45 mm |



Repair kit

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

### ST-300 swivels



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

| R+M Nr.     |       |
|-------------|-------|
| 200 300 050 | 57 mm |



Repair kit

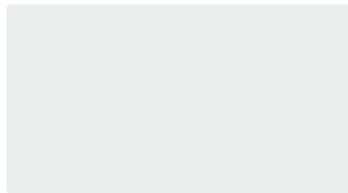
| R+M Nr.     |  |
|-------------|--|
| 200 300 100 |  |

### ST-300 swivels



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

| R+M Nr.     |       |
|-------------|-------|
| 200 300 040 | 44 mm |



| R+M Nr. |  |
|---------|--|
|         |  |

### ST-301 swivels



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

| R+M Nr.     |       |
|-------------|-------|
| 200 301 050 | 58 mm |



Repair kit

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

### ST-301 swivels



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

| R+M Nr.     |       |
|-------------|-------|
| 200 301 060 | 62 mm |



Repair kit

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

### ST-310 swivels



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

| R+M Nr.     |       |
|-------------|-------|
| 200 310 000 | 57 mm |



Repair kit

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

### ST-310 swivels



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

| R+M Nr.     |       |
|-------------|-------|
| 200 310 010 | 45 mm |



Repair kit

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

### ST-310 swivels



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

| R+M Nr.     |       |
|-------------|-------|
| 200 310 040 | 49 mm |



Repair kit

| R+M Nr.     |  |
|-------------|--|
| 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.     | i     |
|-------------|-------|
| 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.     | i     |
|-------------|-------|
| 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.     | i     |
|-------------|-------|
| 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.     | i     |
|-------------|-------|
| 200 340 050 | 73 mm |



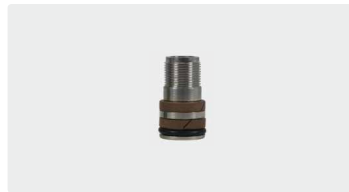
Repair kit

| R+M Nr.     |
|-------------|
| 200 340 100 |



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

| R+M Nr.     | i     |
|-------------|-------|
| 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.     | i     |
|-------------|-------|
| 200 340 520 | 73 mm |



Repair kit

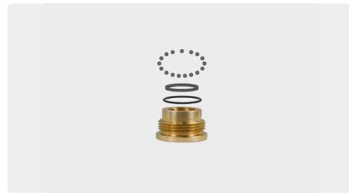
| R+M Nr.     |
|-------------|
| 200 340 100 |

## ST-351 swivels



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

| R+M Nr.     | i     |
|-------------|-------|
| 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.     | i     |
|-------------|-------|
| 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. DN 6



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

| R+M Nr.     | I     |
|-------------|-------|
| 200 320 500 | 48 mm |



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

| R+M Nr.     | I     |
|-------------|-------|
| 200 320 550 | 48 mm |



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

| R+M Nr.     | I     |
|-------------|-------|
| 200 320 502 | 48 mm |



Repair kit swivels ST-320

| R+M Nr.     |
|-------------|
| 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

| R+M Nr.     | I     |
|-------------|-------|
| 200 322 500 | 65 mm |



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

| R+M Nr.     | I     |
|-------------|-------|
| 200 322 510 | 65 mm |



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

| R+M Nr.     | I     |
|-------------|-------|
| 200 322 520 | 67 mm |



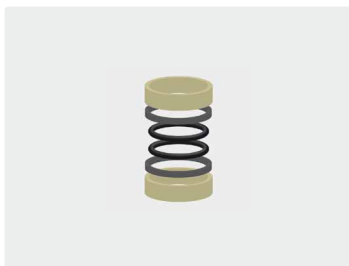
1/2" F : 1/2" M. DN 12.  
Max. 300 bar / 30 r.p.m. / 90 °C

| R+M Nr.     | I     |
|-------------|-------|
| 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

| R+M Nr.     | I       | Ⓢ      |
|-------------|---------|--------|
| 200 322 523 | 79.5 mm | 1/2" F |
| 200 322 525 | 79.5 mm | 3/8" F |



Repair kit swivels ST-322

| R+M Nr.     |
|-------------|
| 200 322 490 |

Symbols I 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.     | I     |
|-------------|-------|
| 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.     | I     |
|-------------|-------|
| 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.     | I     |
|-------------|-------|
| 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.     | I     | 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.     | I     | 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.     | I     | 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.     | I     | 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.     | I     | 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.     | I     | 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.     | I     | 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.     | I     | 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.    | I     |
|------------|-------|
| 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.   | I     |
|-----------|-------|
| 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

| 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 |



**DGV.** Single ball bearing system

| 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 |



**DGK.** Single ball bearing system

| 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 DGV1

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

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



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

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



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

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



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

| 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 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 / 2000 r.p.m. / 120 °C



DYF.

| R+M Nr.    | G      | ⊗      | ↔  |
|------------|--------|--------|----|
| 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.    | G      | ⊗      | ↔  |
|------------|--------|--------|----|
| 108 584 01 | 3/8" F | 1/4" M | 84 |
|            |        |        |    |
|            |        |        |    |



DYG.

| R+M Nr.    | G      | ⊗      | ↔  |
|------------|--------|--------|----|
| 108 570 03 | 1/4" F | 3/8" M | 80 |
| 108 571 03 | 3/8" F | 3/8" M | 80 |
|            |        |        |    |
|            |        |        |    |



DYF.

| R+M Nr.    | G      | ⊗      | ↔  |
|------------|--------|--------|----|
| 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 |



DYF 90°

| R+M Nr.    | G      | ⊗      | ↔  |
|------------|--------|--------|----|
| 108 563 03 | 1/4" F | 3/8" M | 84 |
| 108 563 01 | 1/4" F | 1/4" M | 84 |

## 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.    | G      | ⊗      | ↔  |
|------------|--------|--------|----|
| 108 311 03 | 3/8" F | 3/8" M | 66 |

## 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.    | G      | ⊗      | ↔  |
|------------|--------|--------|----|
| 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.    | G   | ⊗      | ↔  |
|------------|-----|--------|----|
| 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.    | G   | ⊗      | ↔  |
|------------|-----|--------|----|
| 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.    | G        | ⊗        | ↔   |
|------------|----------|----------|-----|
| 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.    | G      | ⊗      | ↔   |
|------------|--------|--------|-----|
| 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.    | G      | ⊗      | ↔   |
|------------|--------|--------|-----|
| 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.    | G      | ⊗      | ↔   |
|------------|--------|--------|-----|
| 108 591 13 | 3/8" F | 3/8" M | 109 |



DYU 90°. Max. 500 bar

| R+M Nr.    | G      | ⊗      | ↔   |
|------------|--------|--------|-----|
| 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.   | I     |
|-----------|-------|
| 750 400 1 | 80 mm |



Repair kit swivel 750 400 1

| R+M Nr.   | I |
|-----------|---|
| 750 400 2 |   |



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

| R+M Nr. | I     |
|---------|-------|
| 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.   | I     |
|-----------|-------|
| 750 280 0 | 59 mm |



Seal kit swivel 750 280 0

| R+M Nr.   | I |
|-----------|---|
| 750 200 2 |   |



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

| R+M Nr. | I     |
|---------|-------|
| 562 60  | 39 mm |

## High pressure quick couplings

### Couplings 25KF



Coupling : F. Nickel-plated brass / nickel-plated steel.  
Max. 250 bar / 100 °C

| ⊙    | DN  |
|------|-----|
| 1/4" | 7.8 |
| 3/8" | 7.8 |

| R+M Nr. | I     |
|---------|-------|
| 552 30  | 55 mm |
| 552 50  | 54 mm |



Coupling : M. Nickel-plated brass / nickel-plated steel.  
Max. 250 bar / 100 °C

| R+M Nr. | I     |
|---------|-------|
| 552 40  | 58 mm |
| 552 60  | 57 mm |

### Plugs 25SF



Plug : F. ∅ 12 mm. Nickel-plated steel.  
Max. 250 bar / 100 °C

| R+M Nr. | I     |
|---------|-------|
| 555 20  | 33 mm |
| 555 40  | 33 mm |



Plug : M. ∅ 12 mm. Nickel-plated steel.  
Max. 250 bar / 100 °C

| R+M Nr. | I     |
|---------|-------|
| 555 30  | 34 mm |
| 555 50  | 33 mm |

### Couplings 25KB



Coupling : F. Nickel-plated brass. With valve.  
Max. 35 bar / 100 °C

| ⊙    | DN  |
|------|-----|
| 1/4" | 7.4 |
| 3/8" | 7.4 |

| R+M Nr. | I     |
|---------|-------|
| 553 20  | 55 mm |
| 553 30  | 54 mm |

### Plugs 25SB



Plug : F. ∅ 12 mm. Brass. With valve.  
Max. 35 bar / 100 °C

| R+M Nr. | I     |
|---------|-------|
| 556 10  | 43 mm |
| 556 30  | 43 mm |

### Back ring



TYP 25KF + 25KB

| R+M Nr. |
|---------|
| 790 41  |

## High pressure quick couplings

## Couplings CEJN 322 and plug



Coupling : F. Chrome-plated brass /  
chrome-plated steel.  
Max. 200 bar / 100 °C



Coupling : F. Chrome-plated brass /  
chrome-plated steel. With valve.  
Max. 200 bar / 100 °C



Coupling : M. Chrome-plated brass /  
chrome-plated steel.  
Max. 200 bar / 100 °C

| ⊙    | DN  |
|------|-----|
| 1/4" | 7.4 |
| 3/8" | 7.4 |
| M18  | 7.4 |

| R+M Nr. | I     |
|---------|-------|
| 552 001 | 48 mm |
| 552 002 | 50 mm |
| 552 008 | 84 mm |

| R+M Nr. | I     |
|---------|-------|
| 552 031 | 57 mm |
| 552 032 | 57 mm |

| R+M Nr. | I     |
|---------|-------|
| 552 011 | 45 mm |
| 552 012 | 47 mm |
| 552 018 | 69 mm |



Plug : F. ⌀ 12 mm. Nickel-plated  
steel. Max. 200 bar / 100 °C



Plug : M. ⌀ 12 mm. Nickel-plated  
steel. Max. 200 bar / 100 °C

| ⊙    | DN  |
|------|-----|
| 1/4" | 7.4 |
| 3/8" | 7.4 |
| M18  | 7.4 |

| R+M Nr. | I     |
|---------|-------|
| 552 101 | 36 mm |
| 552 102 | 38 mm |

| R+M Nr. | I     |
|---------|-------|
| 552 111 | 36 mm |
| 552 112 | 38 mm |
| 552 108 | 56 mm |

## Couplings SP-20 150 bar and plug



Coupling : F. Brass.  
Max. 250 bar / 100 °C



Coupling : M. Brass.  
Max. 150 bar / 100 °C



Plug : F. ⌀ 14.8 mm. Zinc-plated  
steel. Max. 150 bar / 100 °C

| ⊙    | DN  |
|------|-----|
| 1/4" | 8.0 |
| 3/8" | 8.0 |
| 1/2" | 8.0 |

| R+M Nr. | I     |
|---------|-------|
| 550 10  | 41 mm |
| 550 30  | 42 mm |

| R+M Nr. | I     |
|---------|-------|
| 550 20  | 43 mm |

| R+M Nr. | I     |
|---------|-------|
| 551 11  | 40 mm |
| 551 10  | 40 mm |



Plug : M. ⌀ 14.8 mm. Zinc-plated  
steel. Max. 150 bar / 100 °C



O-ring. TYP SP-20. 13.1x2.6.  
Max. 150 bar / 100 °C

| ⊙    | DN  |
|------|-----|
| 3/8" | 8.0 |

| R+M Nr. | I     |
|---------|-------|
| 551 20  | 43 mm |

| R+M Nr. | I |
|---------|---|
| 790 60  |   |



## Suttner high pressure quick couplings ST-45-250 KW

### Couplings and plug ST-45-250 KW



Coupling : M.  
Stainless steel.  
Max. 250 bar / 150 °C



Coupling : F.  
Stainless steel.  
Max. 250 bar / 150 °C



Coupling : F.  
Stainless steel.  
Max. 250 bar / 150 °C



Plug : F.  
Hardened stainless steel.  
Max. 250 bar / 150 °C

| ⊙    | DN |
|------|----|
| 1/4" | 10 |
| 3/8" | 10 |
| 1/2" | 10 |
| M22  | 10 |

| R+M Nr.     | I     |
|-------------|-------|
| 200 045 595 | 49 mm |

| R+M Nr.     | I     |
|-------------|-------|
| 200 045 570 | 41 mm |
| 200 045 560 | 41 mm |
| 200 045 550 | 41 mm |
| 200 045 575 | 41 mm |

| R+M Nr.     | I     |
|-------------|-------|
| 200 045 565 | 43 mm |
| 200 045 555 | 43 mm |

| R+M Nr.     | I     |
|-------------|-------|
| 040 005 482 | 38 mm |



Plug : M.  
Stainless steel.  
Max. 250 bar / 150 °C



Plug : M.  
Hardened stainless steel.  
Max. 250 bar / 150 °C



Coupling : F.  
Nickel-plated brass.  
Max. 250 bar / 150 °C



Coupling : F.  
Nickel-plated brass.  
Max. 250 bar / 150 °C

| ⊙    | DN |
|------|----|
| 1/4" | 10 |
| 3/8" | 10 |
| 1/2" | 10 |

| R+M Nr. | I     |
|---------|-------|
| 557 206 | 44 mm |

| R+M Nr.     | I     |
|-------------|-------|
| 040 005 669 | 42 mm |

| R+M Nr.     | I     |
|-------------|-------|
| 200 045 510 | 41 mm |

| R+M Nr.     | I     |
|-------------|-------|
| 200 045 505 | 43 mm |



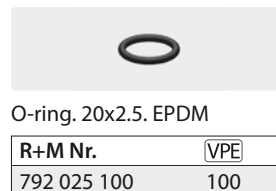
Plug : F.  
Zinc-plated steel.  
Max. 250 bar / 150 °C



Plug : F.  
Stainless steel.  
Max. 250 bar / 150 °C



Plug : F.  
Hardened stainless steel.  
Max. 250 bar / 150 °C



O-ring. 20x2.5. EPDM

| ⊙    | DN |
|------|----|
| 3/8" | 10 |
| 1/2" | 10 |

| R+M Nr. | I     |
|---------|-------|
| 557 204 | 38 mm |

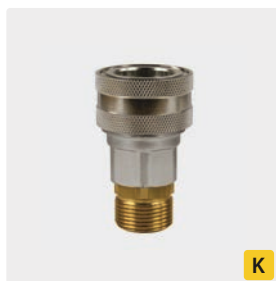
| R+M Nr. | I     |
|---------|-------|
| 557 209 | 38 mm |
| 557 29  | 45 mm |

| R+M Nr. | I     |
|---------|-------|
| 557 209 | 38 mm |

| R+M Nr.     | I   |
|-------------|-----|
| 791 825 100 | 100 |



Plug : F.  
Zinc-plated steel + brass.  
Max. 250 bar / 150 °C



Coupling : M.  
Nickel-plated brass + brass.  
Max. 250 bar / 150 °C

| ⊙   | DN |
|-----|----|
| M22 | 10 |

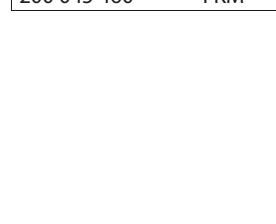
| R+M Nr. | I     |
|---------|-------|
| 557 205 | 73 mm |

| R+M Nr. | I     |
|---------|-------|
| 557 105 | 63 mm |



O-ring. 18x2.5. EPDM

| R+M Nr.     | I    |
|-------------|------|
| 557 104 11  | EPDM |
| 200 045 460 | FKM  |



Seal kit

Symbols I height DN nominal diameter ⊙ thread VPE packing unit ∅ diameter TYP type M material

## Suttner high pressure quick couplings ST-3100

## Couplings and plug ST-3100

Coupling : F. Stainless steel.  
Max. 250 bar / 150 °C

| ⊙    | DN |
|------|----|
| 1/4" | 10 |
| 3/8" | 12 |
| 1/2" | 12 |

| R+M Nr.     | I     |
|-------------|-------|
| 203 100 466 | 44 mm |
| 203 100 461 | 44 mm |
| 203 100 460 | 44 mm |

Coupling : F. Stainless steel.  
Max. 250 bar / 150 °C

| R+M Nr.     | I     |
|-------------|-------|
| 203 100 456 | 50 mm |
| 203 100 455 | 50 mm |

Coupling : M. Stainless steel.  
60° cone. Max. 250 bar / 150 °C

| R+M Nr.     | I     |
|-------------|-------|
| 203 100 653 | 47 mm |
| 203 100 474 | 50 mm |
| 203 100 655 | 45 mm |

Coupling : M. Stainless steel.  
60° cone. Max. 250 bar / 150 °C

| ⊙    | DN |
|------|----|
| 1/4" | 10 |
| 3/8" | 12 |
| 1/2" | 12 |

| R+M Nr.     | I     |
|-------------|-------|
| 203 100 652 | 53 mm |
| 203 100 473 | 55 mm |
| 203 100 656 | 54 mm |

Plug : F. Stainless steel.  
Max. 250 bar / 150 °C

| R+M Nr.     | I     |
|-------------|-------|
| 040 005 665 | 35 mm |
| 040 005 667 | 41 mm |
| 040 005 661 | 47 mm |

Plug : M. Stainless steel. 60° cone.  
Max. 250 bar / 150 °C

| R+M Nr.     | I     |
|-------------|-------|
| 040 005 668 | 47 mm |
| 040 005 662 | 47 mm |

Plug : F. Hardened stainless steel.  
Max. 250 bar / 150 °C

| ⊙    | DN |
|------|----|
| 1/4" | 10 |
| 3/8" | 12 |
| 1/2" | 12 |

| R+M Nr.     | I     |
|-------------|-------|
| 040 005 465 | 35 mm |
| 040 005 467 | 41 mm |
| 040 005 461 | 47 mm |

Plug : M. Hardened stainless steel.  
60° cone. Max. 250 bar / 150 °C

| R+M Nr.     | I     |
|-------------|-------|
| 040 005 459 | 47 mm |
| 040 005 462 | 47 mm |

Plug : F. Stainless steel. For moulded  
handles. Max. 250 bar / 150 °C

| R+M Nr.     | I     |
|-------------|-------|
| 040 005 664 | 40 mm |

Plug : F. Stainless steel + brass.  
Max. 250 bar / 150 °C

| ⊙   | DN |
|-----|----|
| M22 | 10 |

| R+M Nr.     | I     |
|-------------|-------|
| 203 100 665 | 56 mm |

Coupling : M. Stainless steel.  
Max. 250 bar / 150 °C

| R+M Nr.     | I     |
|-------------|-------|
| 203 100 660 | 57 mm |



O-ring. 15.1x2.7

| R+M Nr.     | VPE |
|-------------|-----|
| 551 502 42  | 1   |
| 791 512 710 | 100 |



O-ring. 18x2

| R+M Nr.    | VPE |
|------------|-----|
| 551 502 43 | 1   |
| 791 821 00 | 100 |

## Couplings "B"

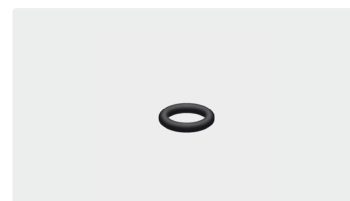
Coupling : F. Stainless steel.  
Max. 150 bar / 90 °C

| ⊙    | DN |
|------|----|
| 1/2" | 11 |

| R+M Nr.         | I     |
|-----------------|-------|
| 710 247 212 000 | 35 mm |

Plug : M. Stainless steel.  
Max. 150 bar / 90 °C

| R+M Nr.         | I     |
|-----------------|-------|
| 710 247 112 100 | 44 mm |



O-ring. 13x2

| R+M Nr. | I |
|---------|---|
| 791 32  |   |

## Suttner ultra high pressure quick couplings ST-45-600

### Couplings and plug ST-45-600



Coupling : M. Stainless steel.  
Max. 600 bar / 150 °C



Coupling : M. Stainless steel.  
Max. 600 bar / 150 °C



Plug : F. Hardened stainless steel.  
Max. 600 bar / 150 °C

| ⊙    | DN |
|------|----|
| 1/4" | 8  |

| R+M Nr.     | I     |
|-------------|-------|
| 200 045 600 | 57 mm |

| R+M Nr.     | I     |
|-------------|-------|
| 200 045 605 | 57 mm |

| R+M Nr.     | I     |
|-------------|-------|
| 040 005 468 | 40 mm |



O-ring. 11x1.5



Back ring. 11x14x1



O-ring. 10x2.5

| R+M Nr.     |
|-------------|
| 050 000 020 |

| R+M Nr.     |
|-------------|
| 050 001 430 |

| R+M Nr.     |
|-------------|
| 050 000 160 |

## Suttner high pressure quick couplings ST-246

### Coupling and plug ST-246-8



Coupling : F. Stainless steel V2A.  
Max. 350 bar / 100 °C



Plug : F. Hardened stainless steel.  
Max. 350 bar / 100 °C



Plug : M. Hardened stainless steel.  
Max. 350 bar / 100 °C

| ⊙    | DN |
|------|----|
| 1/2" | 11 |

| R+M Nr.         | I       |
|-----------------|---------|
| 710 246 412 000 | 41.0 mm |

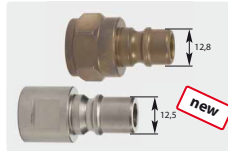
| R+M Nr.         | I       |
|-----------------|---------|
| 710 246 312 001 | 43.7 mm |

| R+M Nr.         | I       |
|-----------------|---------|
| 710 246 312 101 | 45.2 mm |

### Coupling and plug ST-246-6



Coupling : F.  
Stainless steel V2A.  
Max. 350 bar / 100 °C



Plug : F. Hardened stainless steel.  
Max. 350 bar / 100 °C



Plug : M.  
Stainless steel.  
Max. 350 bar / 100 °C



NBR 75

| ⊙               | DN  |
|-----------------|-----|
| 3/8"            | 8.5 |
| 1/4"            | 6.0 |
| M22 x 1.5 (CEL) | 6.0 |

| R+M Nr.         | I    |
|-----------------|------|
| 710 246 238 000 | 37.8 |

| R+M Nr.         | I    |
|-----------------|------|
| 710 246 138 001 | 36.6 |
| 040 005 423     | 41.0 |

| R+M Nr.     | I    |
|-------------|------|
| 040 005 424 | 42.5 |

| R+M Nr.     | ⊙    | TYP      |
|-------------|------|----------|
| 710 005 004 | 1/2" | ST-246-8 |
| 710 005 003 | 3/8" | ST-246-6 |

## Bonded seals



Bonded seals. Steel

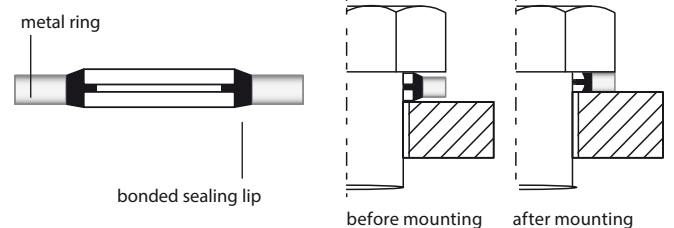


Bonded seals. Stainless steel

| R+M Nr.       | ⊙    | VPE |
|---------------|------|-----|
| 788 881 4     | 1/4" | 1   |
| 788 881 410 0 | 1/4" | 100 |
| 788 883 8     | 3/8" | 1   |
| 788 883 810 0 | 3/8" | 100 |
| 788 881 2     | 1/2" | 1   |
| 788 881 210 0 | 1/2" | 100 |
| 788 881       | 1"   | 1   |

| R+M Nr.        | ⊙    | VPE |
|----------------|------|-----|
| 788 881 49     | 1/4" | 1   |
| 788 881 491 00 | 1/4" | 100 |
| 788 883 89     | 3/8" | 1   |
| 788 883 891 00 | 3/8" | 100 |
| 788 881 29     | 1/2" | 1   |
| 788 881 291 00 | 1/2" | 100 |

### Functional principle of bonded seal



Symbols I height DN nominal diameter ⊙ thread VPE packing unit TYP type

## Hose connectors



M22 M. Standard. Brass.  
Max. 400 bar

R+M Nr.

569 20



M21 M. Standard. Brass.  
Max. 400 bar

R+M Nr.

569 10



1/2" M. Standard. Brass.  
Max. 400 bar

R+M Nr.

569 30



M22 M. Standard. Stainless steel.  
Max. 400 bar

R+M Nr.

569 29



M22 M. Solid version stainless steel.  
Max. 500 bar

R+M Nr.

569 59



M22 M. DKOS stainless steel.  
Max. 500 bar

R+M Nr.

593 142



M24 M. Stainless steel.  
Max. 700 bar

R+M Nr.

200 741 600



M21 M : M22 M. Brass. Reduction.  
Max. 400 bar

R+M Nr.

569 15



M22 M. Solid version. Brass.  
Max. 400 bar

R+M Nr.

569 50



Rubber cover

R+M Nr.

569 60



M22 M. Solid version with rubber cover.  
Max. 400 bar

R+M Nr.

569 40



M22 M. Long with moulded handle.  
Max. 280 bar

R+M Nr.

569 70



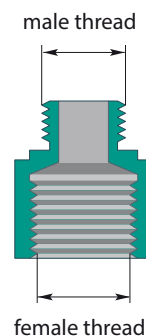
M22 M. Solid version stainless steel  
with rubber cover.  
Max. 500 bar

R+M Nr.

569 49

## Comparison chart of metric, bsp and trapezoidal thread

| pipe           | IG        | AG        | metric  | IG       | AG    |
|----------------|-----------|-----------|---------|----------|-------|
| 1/8" ( 5x10)   | 8.566 mm  | 9.728 mm  | M12x1.5 | 10.38 mm | 12 mm |
| 1/4" ( 8x13)   | 11.445 mm | 13.157 mm | M14x1.5 | 12.38 mm | 14 mm |
| 3/8" (12x17)   | 14.950 mm | 16.662 mm | M16x1.5 | 14.38 mm | 16 mm |
| 1/2" (15x21)   | 18.631 mm | 20.955 mm | M18x1.5 | 16.38 mm | 18 mm |
| 3/4" (21x27)   | 24.117 mm | 26.441 mm | M21x1.5 | 19.38 mm | 21 mm |
| 1" (26x34)     | 30.291 mm | 33.249 mm | M22x1.5 | 20.38 mm | 22 mm |
| 1.1/4" (33x42) | 38.952 mm | 41.910 mm | M24x1.5 | 22.38 mm | 24 mm |
| 1.1/2" (40x49) | 44.324 mm | 47.803 mm | M27x1.5 | 25.38 mm | 27 mm |
| 2" (50x60)     | 56.656 mm | 59.614 mm | M30x1.5 | 28.38 mm | 30 mm |
| trapezoidal    |           | IG        | AG      |          |       |
| TR20           |           | 18.1 mm   | 20 mm   |          |       |
| TR22           |           | 20.1 mm   | 22 mm   |          |       |



## Hose adaptor



Plug 10 mm : M22 M.  
Max. 210 bar

R+M Nr.

316 951 0 190 mm



Plug 11 mm : M22 M.  
Max. 400 bar

R+M Nr.

316 961 1 190 mm



Plug 11 mm : M22 M.  
Max. 400 bar

R+M Nr.

316 961 2 145 mm  
316 961 3 150 mm



M22 M : plug. Brass.  
Max. 250 bar / 100 °C

R+M Nr.

559 908 221 104 mm



Back ring

R+M Nr.

790 58 10 mm  
790 59 11 mm



O-ring

R+M Nr.

790 55 10 mm  
790 57 11 mm

Symbols IG female thread AG male thread O thread I height Ø diameter VPE packing unit

## Hose adapter

limited stock



K

Plug coupling 10 mm : 3/8" M.  
Max. 400 bar

| R+M Nr.   |
|-----------|
| 559 910 1 |
|           |
|           |



K

Plug coupling 11 mm.  
Max. 400 bar

| R+M Nr.    |        |
|------------|--------|
| 559 911 12 | 1/2" M |
| 559 911 38 | 3/8" M |
| 559 911 22 | M22 M  |
| 559 911 23 | M22 F  |



K

M22 F : M22 M. K 2000. Brass.  
Max. 400 bar

| R+M Nr. |
|---------|
| 565 66  |



K

Plug 10 mm : M22 M.  
Max. 250 bar

| R+M Nr.   |
|-----------|
| 559 910 2 |



O-ring

| R+M Nr. |       |
|---------|-------|
| 790 55  | 10 mm |



W

M24 M : M. Brass \*.  
Max. 400 bar

| R+M Nr.   |     |
|-----------|-----|
| 318 241 8 | M18 |
| 318 242 1 | M21 |



W

M27 M : M. Brass \*.  
Max. 400 bar

| R+M Nr.   |     |
|-----------|-----|
| 318 271 8 | M18 |
| 318 272 1 | M21 |



W

M24 M : 3/8" F. Brass \*.  
Max. 400 bar

| R+M Nr. |
|---------|
| 318 24  |



W

M27 M : 3/8" F. Brass \*.  
Max. 400 bar

| R+M Nr. |
|---------|
| 318 27  |

limited stock



Copper washer. K 2000

| R+M Nr.   |         |
|-----------|---------|
| 781 519 1 | 18.8 mm |



Back ring

| R+M Nr. |       |
|---------|-------|
| 790 58  | 10 mm |



O-ring

| R+M Nr. |     |
|---------|-----|
| 791 42  | M24 |



O-ring

| R+M Nr.    |     |
|------------|-----|
| 903 598 00 | M27 |



O-ring. 10x2.2. Perbunan

| R+M Nr.    |     |
|------------|-----|
| 790 25     | 1   |
| 790 251 00 | 100 |



O-ring. 9.5x2

| R+M Nr.     |   |
|-------------|---|
| 050 002 456 | 1 |

new

\* not to be used with patented WAP / Venturi inserts



| Matches with         | Page     |
|----------------------|----------|
| Lances               | 245      |
| HP-gun               | 206      |
| Hoses                | 134      |
| Sewer cleaning hoses | 178, 179 |
| hydroblade®          | 303      |

### ST-247 coupling system

The new high-pressure hose and lance coupling system ST-247 can be added to existing high-pressure cleaning systems and provides for quick and reliable changing of accessories without any annoying screwing and jamming.

Thanks to its intuitive operation and very sturdy design, it offers all advantages of a quick coupling system.

Being made of a high-quality combination of brass and stainless steel, it is perfectly suitable for use in professional or industrial environments such as agriculture and cleaning of large surfaces ranging from transporters to public places and outside surfaces.

Thanks to the plastic coating of the handwheels, the coupling system is ideally suited for hot-water applications.

#### ST-247 couplings



Brass. TR22 F.  
Max. 400 bar / 150° C.

|             |
|-------------|
| R+M Nr.     |
| 200 247 310 |



TR22 F. Brass.  
Incl. 2 heat resistant caps.  
Max. 400 bar / 150° C.

|             |
|-------------|
| R+M Nr.     |
| 200 247 410 |



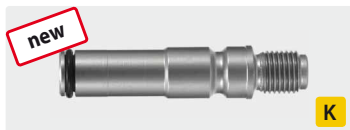
M22 F. Brass.  
Incl. 1 heat resistant cap.  
Max. 400 bar / 150° C.

|             |
|-------------|
| R+M Nr.     |
| 200 247 420 |



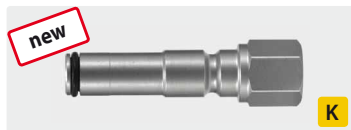
ST-247. Brass.  
Max. 310 bar / 45 l/min / 150 °C

|             |
|-------------|
| R+M Nr.     |
| 200 247 255 |



ST-247 : 1/4" M.  
Hardened stainless steel.  
Max. 400 bar / 150° C.

|             |
|-------------|
| R+M Nr.     |
| 200 247 110 |



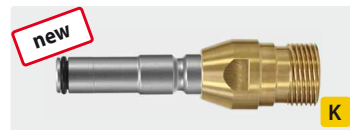
ST-247 : 1/4" F.  
Hardened stainless steel.  
Max. 400 bar / 150° C.

|             |
|-------------|
| R+M Nr.     |
| 200 247 100 |



ST-247 : M22 M.  
Hardened stainless steel.  
Max. 400 bar / 150° C

|             |
|-------------|
| R+M Nr.     |
| 200 247 125 |



ST-247 : TR22 M.  
Brass/stainless steel.  
Max. 400 bar / 150° C.

|             |
|-------------|
| R+M Nr.     |
| 200 247 120 |



## ST-247 coupling system

### TR22 adapters (old : new)



TR22 M : M22 F. Alternative to adapter 2+3. Brass.  
Max. 400 bar / 150° C.

| R+M Nr.     |
|-------------|
| 561 022 220 |



TR22 M : M22 F QSV. Brass. Swivel.  
Alternative to adapter 2+3.  
Max. 400 bar / 150° C.

| R+M Nr.     |
|-------------|
| 568 022 220 |



TR22 M : M 22 F QSV. Brass. Swivel.  
Alternative to adapter 2+3.  
Max. 400 bar / 150° C.

| R+M Nr.     |
|-------------|
| 568 022 221 |



TR22 F : 3/8" F. Swivel. Brass.  
Alternative to adapter 12.  
Incl. 1 heat resistant cap.  
Max. 400 bar / 150° C

| R+M Nr.     |
|-------------|
| 200 301 110 |



TR22 F : M22 M. Swivel. Brass.  
Alternative to adapter 12.  
Incl. 1 heat resistant cap.  
Max. 400 bar / 150° C

| R+M Nr.     |
|-------------|
| 200 301 100 |



3/8" M : TR22 M.  
Brass.  
Max. 400 bar / 150° C.

| R+M Nr.     |
|-------------|
| 010 003 041 |



TR22 F : TR22 M.  
Brass.  
Max. 400 bar / 150° C

| R+M Nr.     |
|-------------|
| 200 247 250 |



TR22 F : 3/8" M.  
Alternative to adapter 6. Brass.  
Max. 400 bar / 150° C

| R+M Nr. |
|---------|
| 565 683 |



TR22 F : 3/8" F.  
Alternative to adapter 6. Brass.  
Max. 400 bar / 150° C

| R+M Nr. |
|---------|
| 565 684 |



TR22 F : M22 M.  
Alternative to adapter 6. Brass.  
Max. 400 bar / 150° C

| R+M Nr. |
|---------|
| 565 681 |

### TR20 adapters lances



TR20 F : M18 M. Alternative to adapter 8. Brass.  
Max. 400 bar / 150° C

| R+M Nr. |
|---------|
| 565 686 |



M22 F : TR20 M. Alternative to adapter 7. Brass.  
Max. 400 bar / 150° C

| R+M Nr. |
|---------|
| 565 685 |



M18 x 1.5 IG : TR20 AG. Alternative to adapter 7.  
Brass.  
Max. 400 bar / 150° C

| R+M Nr. |
|---------|
| 565 687 |

### Hose connectors



TR22 M. Alternative to adapter 9.  
Brass. Max. 400 bar

| R+M Nr. |
|---------|
| 569 22  |



TR 22 M : M22 x 1,5 M. Alternative to  
adapter 1. Brass. Max. 400 bar

| R+M Nr. |
|---------|
| 569 23  |

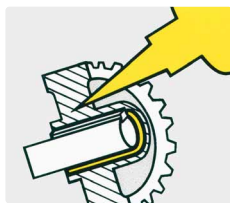
### Wrench



| R+M Nr.     | SW |
|-------------|----|
| 100 000 235 | 27 |

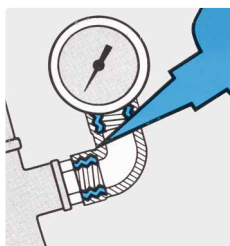
## Adhesives &amp; sealing materials

## Retaining



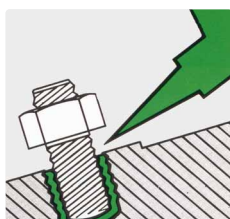
| TYP   | R+M Nr.       | C     | ð      | °C            | Nm *    | function                                                                                                                |
|-------|---------------|-------|--------|---------------|---------|-------------------------------------------------------------------------------------------------------------------------|
| 83.21 | 954 50        | green | 50 ml  | -55 – +175 °C | 25 - 35 | high strength retaining and locking approved as sealant or pure Oxygen BAM.                                             |
| 83.21 | 954 55        | green | 250 ml | -55 – +175 °C | 25 - 35 |                                                                                                                         |
| 83.05 | 954 830 505 0 | green | 50 ml  | -55 – +200 °C | 25 - 35 | high tenacity, extremely quick hardening, suitable for passive surfaces as galvanized steel and steel without activator |
| 83.05 | 954 830 525 0 | green | 250 ml | -55 – +200 °C | 25 - 35 |                                                                                                                         |

## Threadsealing



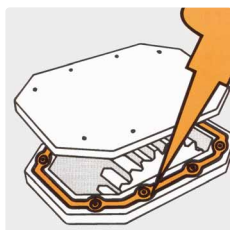
| TYP   | R+M Nr.       | C      | ð      | °C            | Nm *    | function                                                                                |
|-------|---------------|--------|--------|---------------|---------|-----------------------------------------------------------------------------------------|
| 53.14 | 954 531 405 0 | brown  | 50 ml  | -55 – +150 °C | 12 - 16 | brown small diameter pneumatic and hydraulic fittings connection, DVGW approved for gas |
| 58.11 | 954 581 105 0 | yellow | 50 ml  | -55 – +150 °C | 18 - 22 | yellow pipe sealant approved for DWGV, WRAS and BAM. Low screwing friction              |
| 58.11 | 954 581 125 0 | yellow | 250 ml | -55 – +150 °C | 18 - 22 |                                                                                         |
| 85.86 | 954 858 605 0 | green  | 50 ml  | -55 – +200 °C | 25 - 35 | green DIN-DVGW/KTW approved for gas and potable water. High temperature sealing +200 °C |

## Threadlocking



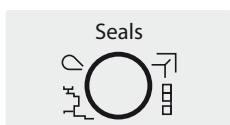
| TYP   | R+M Nr.       | C    | ð     | °C            | Nm *    | function                                                                                              |
|-------|---------------|------|-------|---------------|---------|-------------------------------------------------------------------------------------------------------|
| 55.03 | 954 550 305 0 | blue | 50 ml | -55 – +150 °C | 18 - 23 | oil tolerant threadlock. DVGW/KTW approved. larger gap filling.                                       |
| 83.54 | 954 835 405 0 | blue | 50 ml | -55 – +150 °C | 28 - 35 | green studlocking general purpose high torque strength                                                |
| 54.03 | 954 540 350   | blue | 50 ml | -55 – +150 °C | 14 - 18 | medium-tight screw locking device for protection of threads in case of a push, vibration and pressure |

## Liquid gasketing



| TYP   | R+M Nr.       | C      | ð     | °C            | Nm *  | function                                                                 |
|-------|---------------|--------|-------|---------------|-------|--------------------------------------------------------------------------|
| 58.14 | 954 581 407 5 | orange | 75 ml | -55 – +150 °C | 5 - 8 | orange general purpose flexible, small to medium size gear boxes sealing |

## Superglue



| TYP | R+M Nr.    | C     | ð     | °C           | setting time | function                                                                                 |
|-----|------------|-------|-------|--------------|--------------|------------------------------------------------------------------------------------------|
| 43  | 954 430 20 | green | 20 ml | -55 – +80 °C | 2 - 5 sec.   | multi use instant adhesive. Bonds ceramic, fabrics, aluminium, leather and most plastics |

limited stock

## Activator

| TYP | R+M Nr.    | ð      | function                | fixture time    |
|-----|------------|--------|-------------------------|-----------------|
| 11  | 954 112 00 | 200 ml | for anaerobic adhesives | 30 - 60 seconds |



## Thread seal tape



| R+M Nr. | VPE       |
|---------|-----------|
| 954 00  | 1 reel    |
| 954 10  | 10 reels  |
| 954 25  | 250 reels |

## Grease for seals



| R+M Nr. | ð    |
|---------|------|
| 953 50  | 50 g |

\* shear strength

## Threadsealing/threadlocking R+M



| TYP  | R+M Nr.       | C     | ð       | VPE       | °C            | Nm *    | function                                                                                                 |
|------|---------------|-------|---------|-----------|---------------|---------|----------------------------------------------------------------------------------------------------------|
| 5353 | 954 535 302 2 | green | 1.8 gr. | 20 pieces | -55 – +150 °C | 40 - 50 | high strength, for locking and sealing. High viscosity and high thixotropy, allows for higher tolerances |

Symbols °C temperature ð volume TYP type VPE packing unit C colour ð weight