



# SCHNETZ

Leading manufacturer of  
Electrical & Hydraulic Products for Fire Protection &  
Industrial Doors and Gates

**Product catalog**

## Damper



UNO Damper

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DUO Dampers

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| Hydraulic dampers                                    | PAGE |
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| Uno damper: Single-sided damping for doors and gates | 2-3  |
| Duo damper: Damping on both sides for higher demands | 4    |
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| Accessories / Spare parts                            | 4    |

## HYDRAULIC DAMPERS

Standard products are shown in the catalogue. However, special versions are also possible.

### SPECIFICATIONS

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Impact speed           | 0.1 – 2.0 [m/s]                                                          |
| Operating temperature. | -15 to + 40 °C                                                           |
| Damping curve          | constant                                                                 |
| Attenuation type       | linear                                                                   |
| Damping medium         | Hydraulic oil                                                            |
| Setting                | Infinitely adjustable by turning the pulled out piston rod under tension |
| Cylinder               | Steel tube Ø 30 galvanized chromated                                     |
| Piston rod reset       | Return spring / magnet                                                   |
| Piston rod attachment  | Metal buffer with elastic impact disc / magnet                           |

### NOMENCLATURE

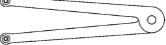
|                         |                                      |                                                                                                                                                                                                                                                       |
|-------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D XX YYY . Z -T -M- DEF | XX<br>YYY<br>. Z<br>-T<br>-M<br>-DEF | Cylinder diameter (always 30mm) stroke<br>length<br>Diaphragm spring force (.6 = normal force   .8 = high force)<br>T = with temperature protection   - = without temperature<br>fuse M = with magnet   - = no magnet<br>Marking of special equipment |
|-------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### UNO DAMPER

| Illustration               | Article          | Item No.     | Goal weight<br>max. [kg] | Damping force<br>[N] max. | hydraulic damper<br>Damping energy<br>per stroke max. | Total length<br>(mm) |
|----------------------------|------------------|--------------|--------------------------|---------------------------|-------------------------------------------------------|----------------------|
| Stroke 40 mm               |                  |              |                          |                           |                                                       |                      |
|                            | D 3040.6-T       | 02-107-40_6  | 500                      | 1200                      | 16                                                    | 179                  |
|                            | D 3040.8-T       | 02-107-40_8  | 1000                     | 4500                      | 40                                                    | 179                  |
|                            | D 3040.8-T-533   | 02-533-40    | 1000                     | 4500                      | 40                                                    | 192                  |
|                            | D 3040.8-T-534   | 02-534-40    | 1000                     | 4500                      | 40                                                    | 221                  |
|                            | D 3040.8-T-528   | 02-528-40    | 1000                     | 4500                      | 40                                                    | 208                  |
| Stroke 40 mm – with magnet |                  |              |                          |                           |                                                       |                      |
|                            | D 3040.6-T-M     | 02-106-100.6 | 500                      | 1400                      | 16                                                    | 200                  |
|                            | D 3040.8-T-M     | 02-106-100.8 | 1000                     | 4500                      | 40                                                    | 200                  |
| Stroke 50 mm               |                  |              |                          |                           |                                                       |                      |
|                            | D 3050.6-T       | 02-107-50_6  | 500                      | 1400                      | 21                                                    | 199                  |
|                            | D 3050.8-T       | 02-107-50_8  | 1000                     | 4500                      | 50                                                    | 199                  |
|                            | D 3050R-500      | 02-500-50    | 1000                     | 4500                      | 100                                                   | 223                  |
|                            | D 3050-526       | 02-526-50    | 1400                     | 4500                      | 200                                                   | 186                  |
|                            | D 3050.8-T-535   | 02-535-50    | 1000                     | 4500                      | 50                                                    | 189                  |
|                            | D 3050.8-T-539   | 02-539-50    | 1000                     | 4500                      | 100                                                   | 258                  |
|                            | D 3050-T-546     | 02-546-50    | 500                      | 1400                      | 21                                                    | 189                  |
|                            | D 3050.8-T-558   | 02-558-50    | 1000                     | 4500                      | 50                                                    | 274                  |
|                            | D 3050-562.4.46M | 02-562.4.46M | ---                      | 4500                      | ---                                                   | 191                  |
| Stroke 50 mm – with magnet |                  |              |                          |                           |                                                       |                      |
|                            | D 3050.6-T-M     | 02-106-40.6  | 500                      | 1400                      | 21                                                    | 220                  |
|                            | D 3050.8-T-M     | 02-106-40.8  | 1000                     | 4500                      | 50                                                    | 220                  |
| Stroke 70 mm               |                  |              |                          |                           |                                                       |                      |
|                            | D 3070.6-T       | 02-107-70_6  | 500                      | 1400                      | 36                                                    | 249                  |
|                            | D 3070.8-T       | 02-107-70_8  | 1500                     | 4500                      | 90                                                    | 249                  |
|                            | D 3070.8-508     | 02-508-70    | 1500                     | 4500                      | 90                                                    | 290                  |
|                            | D 3070.8-T-535   | 02-535-70    | 1500                     | 4500                      | 90                                                    | 249                  |
|                            | D 3070.8-T-555   | 02-555-70    | 1500                     | 4500                      | 90                                                    | 279                  |
|                            | D 3070.8-T-565   | 02-565-70    | 1500                     | 4500                      | 90                                                    | 262                  |

| UNO DAMPER                                                                         |                   |              |                       | hydraulic damper       |                                |                   |
|------------------------------------------------------------------------------------|-------------------|--------------|-----------------------|------------------------|--------------------------------|-------------------|
| Illustration                                                                       | Article           | Item No.     | Goal weight max. [kg] | Damping force [N] max. | Damping energy per stroke max. | Total length (mm) |
| Stroke 70 mm – with magnet                                                         |                   |              |                       |                        |                                |                   |
|    | D 3070.6-T-M      | 02-106-50.6  | 500                   | 1400                   | 36                             | 270               |
|    | D 3070.8-T-M      | 02-106-50.8  | 150                   | 4500                   | 90                             | 270               |
| Stroke 100 mm                                                                      |                   |              |                       |                        |                                |                   |
|    | D 30100.6-T       | 02-107-100_6 | 500                   | 1400                   | 54                             | 319               |
|    | D 30100.8-T       | 02-107-100_8 | 2000                  | 4500                   | 125                            | 319               |
|    | D 30/10 100.8-T   | 02-108-100   | 2000                  | 4500                   | 125                            | 334               |
|    | D 30100.8-T-519   | 02-519-100   | 2000                  | 4500                   | 125                            | 369               |
|    | D 30100.8-T-535   | 02-535-100   | 2000                  | 4500                   | 125                            | 319               |
|    | D 30100.9-T-548   | 02-548-100   | 2000                  | 5000                   | 125                            | 364               |
|    | D 30100.8-T-557   | 02-557-100   | 2000                  | 4500                   | 125                            | 364               |
|    | D 30100.8-T-564   | 02-564-100   | 2000                  | 4500                   | 125                            | 384               |
| Stroke 100 mm – with magnet                                                        |                   |              |                       |                        |                                |                   |
|    | D 30100.8-T-M-513 | 02-513-100   | 2000                  | 4500                   | 125                            | 390               |
|    | D 30100.6-T-M     | 02-106-70.6  | 500                   | 1400                   | 54                             | 340               |
|    | D 30100.8-T-M     | 02-106-70.8  | 2000                  | 4500                   | 125                            | 340               |
|    | D 30/10 100.8-T-M | 02-109-100   | 2000                  | 4500                   | 125                            | 355               |
| Stroke 90 mm                                                                       |                   |              |                       |                        |                                |                   |
|   | D 30100.8-T-565   | 02-565-100   | 1800                  | 4500                   | 110                            | 322               |
| Stroke 120 mm                                                                      |                   |              |                       |                        |                                |                   |
|  | D 30120.8-T       | 02-108-120   | 3000                  | 4500                   | 152                            | 374               |
| Stroke 120 mm – with magnet                                                        |                   |              |                       |                        |                                |                   |
|  | D 30120.8-T-M     | 02-109-120   | 3000                  | 4500                   | 152                            | 395               |
| Stroke 150 mm                                                                      |                   |              |                       |                        |                                |                   |
|  | D 30150.8-T       | 02-108-150   | 4000                  | 4500                   | 192                            | 464               |
| Stroke 150 mm – with magnet                                                        |                   |              |                       |                        |                                |                   |
|  | D 30150.8-T-M     | 02-109-150   | 4000                  | 4500                   | 192                            | 485               |
| Stroke 200 mm                                                                      |                   |              |                       |                        |                                |                   |
|  | D 30200.8-T       | 02-108-200   | 6000                  | 4500                   | 256                            | 564               |
|  | D 30200.8-T-531   | 02-531-200   | 6000                  | 4500                   | 256                            | 580               |
| Stroke 200 mm – with magnet                                                        |                   |              |                       |                        |                                |                   |
|  | D 30200.8-T-M     | 02-109-200   | 6000                  | 4500                   | 256                            | 585               |
|  | D 30200.8-T-M-544 | 02-544-200   | 6000                  | 4500                   | 256                            | 601               |

| DUO DAMPERS                                                                        |                  |              |                       | hydraulic damper       |                                |                   |
|------------------------------------------------------------------------------------|------------------|--------------|-----------------------|------------------------|--------------------------------|-------------------|
| Illustration                                                                       | Article          | Item No.     | Goal weight max. [kg] | Damping force [N] max. | Damping energy per stroke max. | Total length (mm) |
| Stroke 40 mm                                                                       |                  |              |                       |                        |                                |                   |
|    | DD 3045 b-517    | 02-517-45_b  | 500                   | 1400                   | 15                             | 285               |
|    | DD 3045 d-527    | 02-527-45_d  | 500                   | 1400                   | 15                             | 285               |
| Stroke 50 mm                                                                       |                  |              |                       |                        |                                |                   |
|    | DD 3050 a        | 02-204-50_a  | 500                   | 1400                   | 21                             | 388               |
|    | DD 3050 b        | 02-205-50_b  | 500                   | 1400                   | 21                             | 388               |
|    | DD 3050 c        | 02-205-50_c  | 500                   | 1400                   | 21                             | 333               |
| Stroke 70 mm                                                                       |                  |              |                       |                        |                                |                   |
|    | DD 3070 a        | 02-204-70_a  | 500                   | 1400                   | 36                             | 468               |
|    | DD 3070 b        | 02-205-70_b  | 500                   | 1400                   | 36                             | 468               |
|    | DD 3070 c        | 02-205-70_c  | 500                   | 1400                   | 36                             | 443               |
|    | DD 3070 f-504    | 02-504-70_f  | 500                   | 1400                   | 36                             | 468               |
|    | DD 3070 g-506    | 02-506-70_g  | 500                   | 1400                   | 36                             | 497               |
|    | DD 3070.8-T-545  | 02-545-70    | 1500                  | 4500                   | 90                             | 473               |
| Stroke 100 mm                                                                      |                  |              |                       |                        |                                |                   |
|    | DD 30100 a       | 02-204-100_a | 500                   | 1400                   | 54                             | 588               |
|    | DD 30100 b       | 02-205-100_b | 500                   | 1400                   | 54                             | 503               |
|    | DD 30100 b-503   | 02-503-100   | 500                   | 1400                   | 54                             | 503               |
|    | DD 30100 c       | 02-205-100_c | 500                   | 1400                   | 54                             | 528               |
|   | DD 30100 k       | 02-205-100_k | 500                   | 1400                   | 54                             | 488               |
|  | DD 30100 d-505   | 02-505-100_d | 500                   | 1400                   | 54                             | 476               |
|  | DD 30100.8-T-507 | 02-507-100   | 2000                  | 4500                   | 125                            | 503               |
|  | DD 30100 l-529   | 02-529-100_l | 500                   | 1400                   | 54                             | 502               |
|  | DD 30100.8-543   | 02-543-100   | 2000                  | 4500                   | 125                            | 476               |

| ACCESSORIES                                                                        |                                                 |              | hydraulic damper |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------|------------------|
| Illustration                                                                       | Article                                         | Item No.     |                  |
|  | Aluminium buffer with PUR cone                  | Z02-107-06   |                  |
|  | Aluminium buffer with PUR cone and O-ring       | Z02-204-06   |                  |
|  | Fastening block DK 30                           | Z02-107-34   |                  |
|  | Pair of Mounting Blocks DK 30/10                | Z02-108-34   |                  |
|  | Magnetic counter plate                          | Z837-2       |                  |
|   | Magnetic Buffer                                 | Z02-106-04   |                  |
|  | SKT. Nut M16x1                                  | ZM16x1DIN439 |                  |
|  | SKT nut M24x1.25                                | ZF001-20-10  |                  |
|  | End hole wrench for pin Ø 5, for D 3070.8-T-535 | Z6286005     |                  |