

Mortar Couplings and Plugs

made of Malleable Iron/ Steel, rigid and swivelling, for Hydraulic Hose Crimping



- For hydraulic hose crimping with ferrules made of steel
- Safe, clean and unremovable connection of hose and coupling
- Couplings and Plugs made of malleable iron/ steel zinc-plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect hose fit
- Stem profiles, ferrules and crimping dimensions for special hoses on request according to drawings or hose samples
- Swivelling version made of three parts, lead in teflon slide, absolutely leakage-proof for long lifetime
- Permanent floating of mostly rigid mortar hoses



System 22
(for all type-sizes except 42)



System 23.5
(only at type-sizes 35 and 50!)

| Max. Working Pressure | Temperature | Thread | TÜV-certified | Media | |
|-----------------------|---------------|---------|---------------|-----------------|---|
| PN 50 bar | -40°C – +90°C | ISO 228 | all types | Mortar/concrete | 1 |



| | | | | | | | | System 22 | System 23.5 | |
|---|-----|----|-----------|------|---------|-----------------|---------|-----------|-------------|----------------|
| Couplings with hose stem (full passage) | | | | | | | | Type No. | Type No. | |
| Hose connect. | L | B | Type-Size | ID | Passage | Version | Ferrule | Weight | Type No. | Type No. |
| Hose 25x7 | 125 | 55 | 25 | 35.5 | 24 | rigid,1 Handle | PH-X25 | 540 | MSTP 25* | Same dimension |
| Hose 25x7 | 128 | 74 | X25 | 42 | 24 | rigid,2 Handles | PH-X25 | 780 | MSTP-X25 | Same dimension |
| Hose 35x7 | 134 | 77 | 35 | 51 | 30 | rigid,2 Handles | PH-35 | 910 | MSTP 35 | MSTP 35-N |
| Hose 38x7 | 135 | 77 | 35 | 51 | 33 | rigid,2 Handles | PH-38 | 910 | MSTP 38/35 | MSTP 38/35-N |
| Hose 42x7 | 127 | 84 | 42 | 54 | 38 | rigid,2 Handles | PH-42 | 974 | MSTP 42** | Same dimension |
| Hose 50x9 | 145 | 94 | 50 | 64 | 44 | rigid,2 Handles | PH-50 | 1480 | MSTP 50 | MSTP 50-N |

| Couplings with hose stem (reduced passage) | | | | | | | | | | |
|--|-----|----|-----------|----|---------|------------------|---------|--------|--------------|----------------|
| Hose connect. | L | B | Type-Size | ID | Passage | Version | Ferrule | Weight | Type No. | Type No. |
| Hose 19x6 | 125 | 74 | X25 | 42 | 15 | rigid, 2 Handles | PH-19 | 780 | MSTP-X25/19R | Same dimension |
| Hose 25x7 | 129 | 77 | 35 | 51 | 24 | rigid, 2 Handles | PH-X25 | 870 | MSTP 35/25 R | MSTP 35/25 R-N |
| Hose 35x7 | 140 | 94 | 50 | 64 | 30 | rigid, 2 Handles | PH-35 | 1480 | MSTP 50/35 R | MSTP 50/35 R-N |



| Plugs with hose stem (full passage) | | | | | | | | | | | |
|-------------------------------------|-----|----|--------|------|------|-------|------------|-----------|--------|-------------|----------------|
| Hose connect. | L | SW | T-Size | AD | L1 | Pass. | Version | Ferrule | Weight | Type No. | Type No. |
| Hose 25x7 | 100 | - | 25 | 35.5 | 44 | 20 | rigid | PH-X25 | 305 | VSTP 25 | Same dimension |
| Hose 25x7 | 104 | - | X25 | 41 | 44 | 24 | rigid | PH-X25 | 339 | VSTP-X25 | Same dimension |
| Hose 25x7 | 115 | 41 | X25 | 41 | 45.5 | 24 | swivelling | PH-X25 DR | 380 | VSTP-X25-DR | Same dimension |
| Hose 35x7 | 107 | - | 35 | 49.5 | 50 | 30 | rigid | PH-35 | 522 | VSTP 35 | VSTP 35-N |
| Hose 35x7 | 135 | 50 | 35 | 49.5 | 50 | 30 | swivelling | PH-35 DR | 740 | VSTP 35-DR | VSTP 35-N-DR |
| Hose 38x7 | 107 | - | 35 | 49.5 | 50 | 33 | rigid | PH-38 | 472 | VSTP 38/35 | VSTP 38/35-N |
| Hose 42x7 | 106 | - | 42 | 54 | 50 | 38 | rigid | PH-42 | 475 | VSTP 42** | Same dimension |
| Hose 50x9 | 113 | - | 50 | 63 | 55 | 44 | rigid | PH-50 | 758 | VSTP 50 | VSTP 50-N |
| Hose 50x9 | 145 | 65 | 50 | 63 | 55 | 43 | swivelling | PH-50 DR | 1020 | VSTP 50-DR | VSTP 50-N-DR |

| Plugs with hose stem (reduced passage) | | | | | | | | | | |
|--|-----|-----------|------|----|---------|---------|---------|--------|--------------|----------------|
| Hose connect. | L | Type-Size | ID | L1 | Passage | Version | Ferrule | Weight | Type No. | Type No. |
| Hose 19x6 | 95 | 25 | 35.5 | 40 | 15 | rigid | PH-19 | 238 | VSTP 25/19 R | Same dimension |
| Hose 19x6 | 100 | X25 | 41 | 40 | 15 | rigid | PH-19 | 345 | VSTP-X25/19R | Same dimension |
| Hose 25x7 | 102 | 35 | 49.5 | 45 | 24 | rigid | PH-X25 | 490 | VSTP 35/25 R | VSTP 35/25 R-N |
| Hose 35x7 | 107 | 50 | 63 | 50 | 30 | rigid | PH-35 | 820 | VSTP 50/35 R | VSTP 50/35 R-N |
| Hose 42x7 | 108 | 50 | 63 | 45 | 38 | rigid | PH-42 | 741 | VSTP 50/42 R | VSTP 50/42 R-N |

Other swivelling types on request

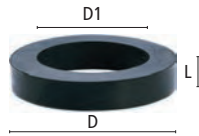
*type-size 25 with one handle

**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40

Mortar Couplings and Plugs

Materials

- Coupling, handle: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Plug, hose stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Seals: NBR



Seals of NBR
55° Shore A



Handle with safety-ring and
slotted pin of malleable
iron zinc-plated and yellow
passivated (free of chrome VI)

Suitable spare parts
(Packing Unit: 10 pcs.)

| L | D | D1 | Weight | Type No. | Weight | Type No. |
|-----|------|------|--------|----------|--------|----------|
| 6 | 36 | 24.5 | 5 | MDR 25 | 60 | MNH-628 |
| 6 | 43.5 | 28.5 | 5 | MDR-X25 | 60 | MNH-630 |
| 6 | 53.5 | 36.5 | 5 | MDR 35 | 60 | MNH-628 |
| 6 | 53.5 | 36.5 | 5 | MDR 35 | 60 | MNH-628 |
| 6.5 | 55 | 41 | 6 | MDR 42 | 60 | MNH-628 |
| 6 | 67 | 51 | 7 | MDR 50 | 60 | MNH-636 |

| L | D | D1 | Weight | Type No. | Weight | Type No. |
|---|------|------|--------|----------|--------|----------|
| 6 | 43.5 | 28.5 | 5 | MDR-X25 | 60 | MNH-630 |
| 6 | 53.5 | 36.5 | 5 | MDR 35 | 60 | MNH-628 |
| 6 | 67 | 51 | 7 | MDR 50 | 60 | MNH-636 |

Crimping Ferrules made of turned steel for hydraulic crimping (inner profile exactly suitable to hose stem profile)

| Hose connect. | L | D | Type-size | D1 | D2 | Version | Weight | Type No. |
|---------------|----|----|-----------|------|------|------------|--------|-----------|
| Hose 19x6 | 40 | 38 | 19/25 | 31.5 | 24.5 | rigid | 102 | PH-19 |
| Hose 25x7 | 50 | 50 | X25 | 41 | 33 | rigid | 218 | PH-X25 |
| Hose 25x7 | 50 | 50 | X25 | 41 | 31.3 | swivelling | 220 | PH-X25 DR |
| Hose 35x7 | 55 | 58 | 35 | 49 | 42.5 | rigid | 275 | PH-35 |
| Hose 35x7 | 55 | 58 | 35 | 49 | 41 | swivelling | 280 | PH-35 DR |
| Hose 38x7 | 55 | 61 | 35 | 53 | 45.5 | rigid | 259 | PH-38 |
| Hose 42x7 | 55 | 65 | 42 | 56 | 50.5 | rigid | 313 | PH-42 |
| Hose 50x9 | 60 | 75 | 50 | 68.5 | 59.5 | rigid | 302 | PH-50 |
| Hose 50x9 | 60 | 75 | 50 | 68.5 | 57 | swivelling | 310 | PH-50 DR |



Screwing Stems for hydraulic crimping

| Hose connect. | Thread connect. | L | D | L1 | L2 | Passage | Ferrule | Weight | Type No. |
|---------------|-----------------|------|------|----|----|---------|---------|--------|--------------|
| Hose 19x6 | G 1 m | 69.5 | 24 | 40 | 18 | 15 | PH-19 | 125 | MSTP-X25/19T |
| Hose 25x7 | G 1 m | 73.5 | 32.5 | 45 | 18 | 24 | PH-X25 | 120 | MSTP-X25T |
| Hose 35x7 | G 1 1/4 m | 80 | 42 | 50 | 19 | 30 | PH-35 | 218 | MSTP-35T |
| Hose 38x7 | G 1 1/4 m | 80 | 45 | 50 | 19 | 33 | PH-38 | 223 | MSTP-38/35T |
| Hose 35x7 | G 2 m | 86 | 42 | 50 | 24 | 30 | PH-35 | 526 | MSTP-50/35T |
| Hose 42x7 | G 1 1/2 m | 86 | 50 | 50 | 20 | 38 | PH-42 | 246 | MSTP-42T |
| Hose 42x7 | G 2 m | 87 | 50 | 50 | 25 | 38 | PH-42 | 452 | MSTP-50/42T |
| Hose 50x9 | G 2 m | 91 | 59 | 55 | 25 | 41 | PH-50 | 497 | MSTP-50T |

