

Mortar Couplings made of Aluminium

Type Size X25, rigid and swivelling

- Couplings with female thread, optionally rigid or swivelling
- Mainly used directly at the spraying nozzle, 60 % weight reduction compared with steel version, therefore essentially easier application
- Swivelling Version three parts, lead in teflon slide, therefore extremely robust and tight
- **Swivelling concept avoids hose twist of the rigid mortar hoses for much easier application**

Materials:

- Female thread: Aluminium
- Handles: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N, PTFE, PUR*

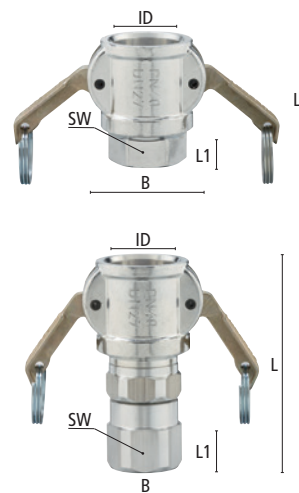
Max. Working Pressure	Thread	System	TÜV-inspected	Media	
PN 40 bar	ISO 228	X25	all types	Mortar/concrete	1

Coupling with female thread

Thread connection	L	SW	B	Type-Size	ID	L1	Passage	System	Weight	Type No.
G 1 f	72	41	70	X25	42	19	25	rigid	290	MIG 10-X25A
G 1 f	120	41	70	X25	42	21	23	swivelling	405	MIG 10-X25ADR*

Rubber rings Type No. MDR-X25 and handles Type No. MNH-630 (☺ page 257)

*Female thread sealing ring material polyurethane



Mortar Couplings

made of Malleable Iron/ Steel - Interchangeable with System "Mai"

Materials:

- Female thread, handle: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Male thread: Steel zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

Max. Working Pressure	Thread	Media	
PN 50 bar	ISO 228	Mortar/concrete	1

Coupling with female thread and 1 handle

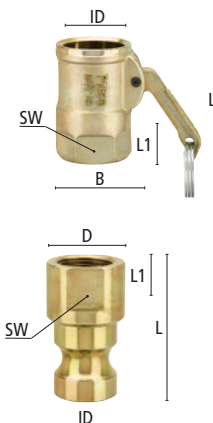
Thread connection	L	SW	B	ID	L1	Passage	Weight	Type No.
G 1 f	70	41	55	38	16	25	375	MIG 10-MA

Rubber rings, type no. EDR-100-BU (☺ page 332)

Plug with female thread

Thread connection	L	SW	D	ID	L1	Passage	Weight	Type No.
G 1 f	80	41	46	37.5	18.5	25	405	VIG 10-MA

For hose connection use screwing stems for steel band (☺ page 259) or crimping ferrules (☺ page 261)

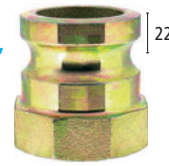


Mortar Couplings

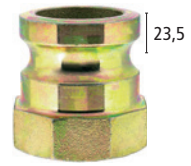
made of Malleable Iron/ Steel, Rigid and Swivelling - Standard Version



- Couplings of malleable iron / steel, zinc-plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose (On request according to drawing or hose sample)
- Attention: Only same type-size and same system interchangeable!
- For mortar and concrete lines on pumps, spraying- devices, plastering machines a.o.
- Other swivelling types on request!
- Swivelling Version three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier application

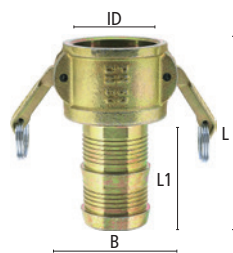


System 22
(for all type-sizes except 42)



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

Max. Working Pressure	Thread	TÜV-inspected	Media	
PN 50 bar	all types	all types	Mortar/concrete	1



Couplings with hose stem (full passage)

										System 22	System 23.5
Hose connect.	L	B	Type-Size	ID	L1	Passage	System	Weight	Type No.	Type No.	
Hose i.D. 25	120	55	25	35.5	67	20	rigid, 1 Handle	477	MST 25	Same dimension	
Hose i.D. 25	138	74	X25	42	64	25	rigid, 2 Handles	778	MST-X25	Same dimension	
Hose i.D. 35	132	77	35	51	75	29	rigid, 2 Handles	795	MST 35	MST 35-N	
Hose i.D. 35	152	77	35	51	68	30	swivelling, 2 Handles	970	MST 35-DR	MST 35-DR-N	
Hose i.D. 38	146	77	35	51	64	33	rigid, 2 Handles	903	MST 38/35	MST 38/35-N	
Hose i.D. 42	144	84	42	54	67	38	rigid, 2 Handles	960	MST 42**	Same dimension	
Hose i.D. 50	140	94	50	64	83	43	rigid, 2 Handles	1195	MST 50	MST 50-N	
Hose i.D. 65	185	105	65	74	98	56	rigid, 2 Handles	2172	MST 65*	Same dimension	

Couplings with hose stem (reduced passage)

Hose connect.	L	SW	B	Type-Size	ID	L1	Passage	System	Weight	Type No.	Type No.
Hose i.D. 19	122	41	55	25	35.5	50	16	rigid, 1 Handle	512	MST 25/19 R	Same dimension
Hose i.D. 19	125	41	74	X25	42	50	16	rigid, 2 Handles	760	MST-X25/19 R	Same dimension
Hose i.D. 25	138	50	77	35	51	64	24	rigid, 2 Handles	783	MST 35/25 R	MST 35/25 R-N
Hose i.D. 35	160	70	94	50	64	77	30	rigid, 2 Handles	1495	MST 50/35 R	MST 50/35 R-N
Hose i.D. 42	160	70	94	50	64	77	38	rigid, 2 Handles	1510	MST 50/42 R	MST 50/42 R-N

Couplings with female thread

Thr. connect.	L	SW	B	Type-Size	ID	L1	Passage	System	Weight	Type No.	Type No.
G 1 f	70	41	55	25	35.5	18	24	rigid, 1 Handle	410	MIG 10/25	Same dimension
G 1 f	73,5	41	74	X25	42	19	25	rigid, 2 Handles	652	MIG 10-X25	Same dimension
G 1 f	74	50	77	35	51	19	30	rigid, 2 Handles	770	MIG 10/35	MIG 10/35-N
G 1 1/4 f	74	50	77	35	51	19	35	rigid, 2 Handles	648	MIG 54/35	MIG 54/35-N
G 1 1/4 f	125	50	77	35	51	23	33	swivelling, 2 Handles	1170	MIG 54/35-DR	MIG 54/35-N-DR
G 1 1/2 f	74	56	77	35	51	19	35	rigid, 2 Handles	766	MIG 15/35	MIG 15/35-N
G 1 1/2 f	66	60	84	42	54	19	38	rigid, 2 Handles	730	MIG 15/42**	Same dimension
G 2 f	79	70	94	50	64	26	50	rigid, 2 Handles	990	MIG 20/50	MIG 20/50-N
G 2 f	135	70	94	50	64	25	43	swivelling, 2 Handles	1550	MIG 20/50-DR	MIG 20/50-DR-N
G 2 1/2 f	81	84	105	65	74	26	58	rigid, 2 Handles	1027	MIG 25/65*	Same dimension

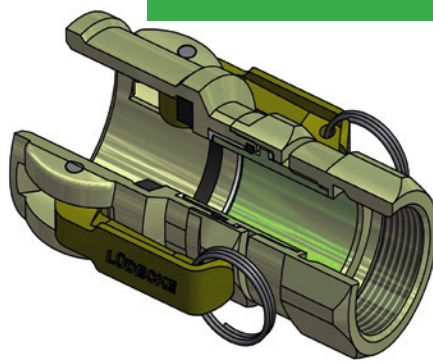
Couplings with male thread

Thr. connect.	L	SW	B	Type-Size	ID	L1	Passage	System	Weight	Type No.	Type No.
G 1 m	91	41	55	25	35.5	17	24	rigid, 1 Handle	485	MAG 10/25	Same dimension
G 1 m	90	41	74	X25	42	16	25	rigid, 2 Handles	735	MAG 10-X25	Same dimension
G 1 1/4 m	93	50	77	35	51	19	33	rigid, 2 Handles	793	MAG 54/35	MAG 54/35-N
G 1 1/2 m	98	60	84	42	54	22	38	rigid, 2 Handles	935	MAG 15/42**	Same dimension
G 2 m	113	70	94	50	64	25	47	rigid, 2 Handles	1420	MAG 20/50	MAG 20/50-N
G 2 1/2 m	119	84	94	50	64	25	50	rigid, 2 Handles	1620	MAG 25/50	MAG 25/50-N

* max. working pressure for type-size 65 PN 25 bar

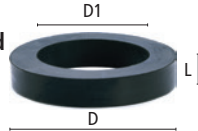
**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40

Mortar Couplings



Materials

- Female thread, handle:
Malleable iron, zinc-plated
and yellow passivated (free of
chrome VI)
- O-rings: Buna N
- Hose thread: Steel zinc-plated
and and yellow passivated
(free of chrome VI)



Seals of Buna N
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 St.)

L	D	D1	Type No.	Type No.
6	36	24,5	MDR 25	MNH-628
6	43.5	28.5	MDR-X25	MNH-630
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6.5	55	41	MDR 42	MNH-628
6	67	51	MDR 50	MNH-636
6.3	76	61	MDR 65	MNH-636

L	D	D1	Type No.	Type No.
6	36	24.5	MDR 25	MNH-628
6	43.5	28.5	MDR-X25	MNH-630
6	53.5	36.5	MDR 35	MNH-628
6	67	51	MDR 50	MNH-636
6	67	51	MDR 50	MNH-636

L	D	D1	Type No.	Type No.
6	36	24.5	MDR 25	MNH-628
6	43.5	28.5	MDR-X25	MNH-630
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6.5	55	41	MDR 42	MNH-628
6	67	51	MDR 50	MNH-636
6	67	51	MDR 50	MNH-636
6.3	76	61	MDR 65	MNH-636

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

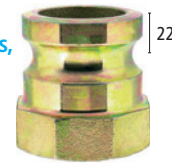
Mortar Plugs

made of Malleable Iron/ Steel, Rigid and Swivelling - Standard Version

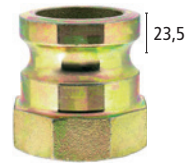


- Plugs of malleable iron / steel, zinc plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose (On request according to drawing or hose sample)
- Attention: Only same type-size and same system interchangeable!

- For mortar and concrete lines on pumps, spraying- devices, plastering machines a.o.
- Other swivelling types on request!
- Swivelling Version three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier application



System 22
(for all type-sizes except 42)



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

Max. Working Pressure	Thread	TÜV-inspected	Media	
PN 50 bar	ISO 228	all types	Mortar/concrete	1

							System 22	System 23.5
Plugs with hose stem (full passage)								
Hose connect.	L	Type-Size	ID	L1	Passage	System	Weight	Type No.
Hose i.D. 25	110	25	35	64	20	rigid	270	VST 25
Hose i.D. 25	120	X25	41	65	24	rigid	385	VST-X25
Hose i.D. 25	125	X25	41	60	24	swivelling	420	VST-X25-DR
Hose i.D. 35	120	35	49.5	70	30	rigid	515	VST 35
Hose i.D. 35	146	35	49.5	68	30	swivelling	740	VST 35-DR
Hose i.D. 38	120	35	49.5	70	33	rigid	470	VST 38/35
Hose i.D. 42	120	42	53	77	38	rigid	450	VST 42**
Hose i.D. 50	140	50	63	77.5	42	rigid	925	VST 50
Hose i.D. 50	170	50	63	82	43	swivelling	1230	VST 50-DR
Hose i.D. 65	156	65	73	98	56	rigid	1352	VST 65*
								Same dimension
								Same dimension
								Same dimension
								Same dimension
								Same dimension
								Same dimension
								Same dimension

Plugs with hose stem (reduced passage)								
Hose connect.	L	Type-Size	ID	L1	Passage	System	Weight	Type No.
Hose i.D. 19	100	X25	41	50	16	rigid	325	VST-X25/19R
Hose i.D. 25	115	35	49.5	64	20	rigid	545	VST 35/25 R
Hose i.D. 35	121	50	63	70	30	rigid	830	VST 50/35 R
Hose i.D. 42	121	50	63	70	38	rigid	757	VST 50/42 R
								Same dimension
								Same dimension
								Same dimension
								Same dimension

Plugs with female thread								
Thread connect.	L	SW	Type-Size	ID	L1	Passage	System	Type No.
G 1 f	67	41	25	35	15	20	rigid	VIG 10/25
G 1 f	67	41	X25	41	15	25	rigid	VIG 10-X25
G 1 f	106	41	X25	41	21	23	swivelling	VIG 10-X25-DR
G 1 1/4 f	67	50	X25	41	16	25	rigid	VIG 54-X25
G 1 f	63	50	35	49.5	20	30	rigid	VIG 10/35
G 1 1/4 f	68	50	35	49.5	16	33	rigid	VIG 54/35
G 1 1/4 f	120	50	35	49.5	23	33	swivelling	VIG 54/35-DR
G 1 1/2 f	68	55	35	49.5	19	33	rigid	VIG 15/35
G 2 f	74	70	35	49.5	20	33	rigid	VIG 20/35
G 1 1/2 f	62	55	42	53	16	38	rigid	VIG 15/42**
G 1 1/4 f	64	65	50	63	22	35	rigid	VIG 54/50
G 1 1/2 f	64	65	50	63	22	44	rigid	VIG 15/50
G 2 f	71	70	50	63	20	45	rigid	VIG 20/50
G 2 f	130	70	50	63	25	43	swivelling	VIG 20/50-DR
G 2 1/2 f	78	85	50	63	25	45	rigid	VIG 25/50
G 2 1/2 f	78	85	65	73	25	56	rigid	VIG 25/65*
								Same dimension

* max. working pressure for type-size 65 PN 25 bar

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

Other swivelling types on request

- Plug, screwing stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Coupling, handle: Malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

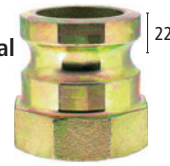
Technical drawing of a brass fitting. The drawing shows a side view of the component. Dimensions are indicated: ID (Inner Diameter) at the top, L (Length) on the right, ID1 (Inner Diameter) at the bottom, and R (Radius) at the bottom.

Mortar Couplings and Plugs

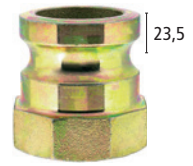
made of Malleable Iron/ Steel, Rigid and Swivelling, for Hydraulic Hose Crimping



- For hydraulic crimping with turned steel ferrules
- Safe, closed and unremovable connection of hose and fitting
- Couplings and Plugs of malleable iron/ steel, zinc-plated and yellow passivated (free of chrome VI)
- Turned stem profile for exact fit of the hose
- Stem-profiles, ferrules and crimping dimensions for special hoses on request according to drawings or hose samples
- Swivelling Version three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier application

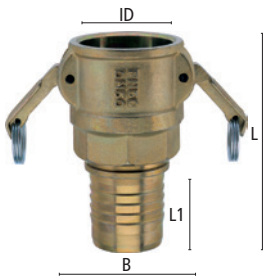


System 22
(for all type-sizes except 42)



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

Max. Working Pressure	Thread	TÜV-inspected	Media	
PN 50 bar	ISO 288	all types	Mortar/concrete	1



Couplings with hose stem (full passage)

Hose connect.	L	B	Type-Size	ID	Passage	System	Presshül.	Weight	Type No.	Type No.
Hose 25x7	125	55	25	35,5	24	rigid, 2 Handles	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	138	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	System	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	Type-Size	ID	L1	Passage	System	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
swivelling 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
swivelling 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
swivelling 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	System	Presshül.	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

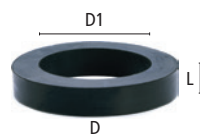
*type-size 25 with one handle

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

Mortar Couplings and Plugs

Material:

- 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)
- O-rings: Buna N



Seals of Buna N
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 St.)

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

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

Hose connect.	L	D	Type-size	D1	D2	System	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	80	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

