

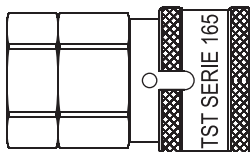
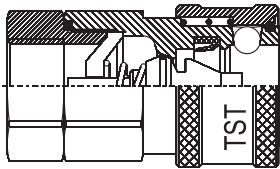
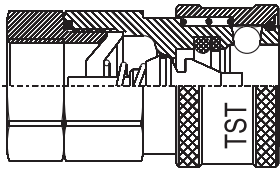
HYDRAULIC COUPLINGS
HYDRAULIK KUPPLUNGEN

SERIE 165



ND - NW: Ø6.5-Ø51 / 33-2050 mm²

Interchangeability / Kompatibilität
SNAP - TITE H, IH, PH SERIES
US - MIL -C-51234



Sealing Advantages

There are two types seals on the sockets.

Vorteile des Dichtsystems:

Zwei Dichtungstypen vereint in einer Kupplung

U-packer Type : U-packer seal permits a positive sealing at all pressures. Under adverse conditions, such as side load it scratches on the plug and can perfectly seals.

Radial Wellen Dichtring: Der Radial Wellendichtring (Simmering) dichtet zusätzlich unter Druck. Unter ungünstigen Bedingungen wie Querbelastung wird es an den Stecker gedrückt und dichtet zusätzlich ab.

PH seal : This seal configuration is include O-ring + PTFE back up ring, it can be placed in U-packer seal slot of the socket. This type seal combination can use for high pressure and high flow multiple cycle pneumatic or hydraulic application.

PH Dichtung: Dieser Dichtungssatz besteht aus einem O-Ring und einem PTFE (Teflon) Stützring. Es kann zusammen in der Nut des Radial Wellendichtringes montiert werden. Diese Dichtungskombination kann genutzt werden für Anwendungen aus Pneumatik und Hydraulik mit hohem Druck oder auch Durchfluss.

Safety Pin (ME)

To prevent accidental disconnection have to turn the sleeve across the slot. For ordering please add ME and of the order no.

Sicherheitsverriegelung (ME)

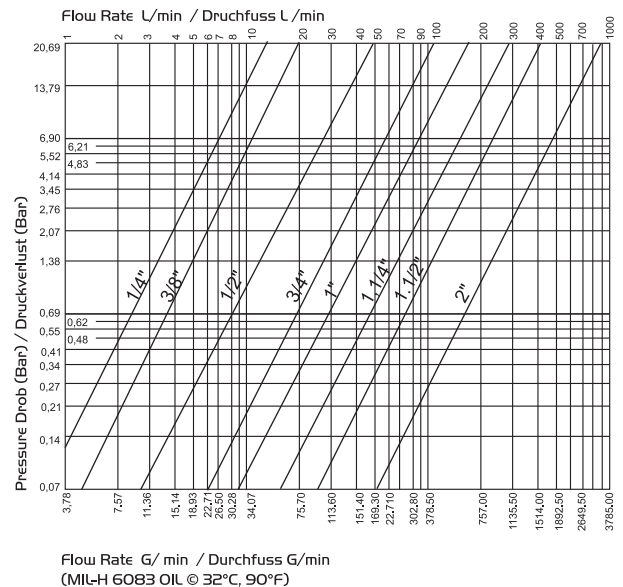
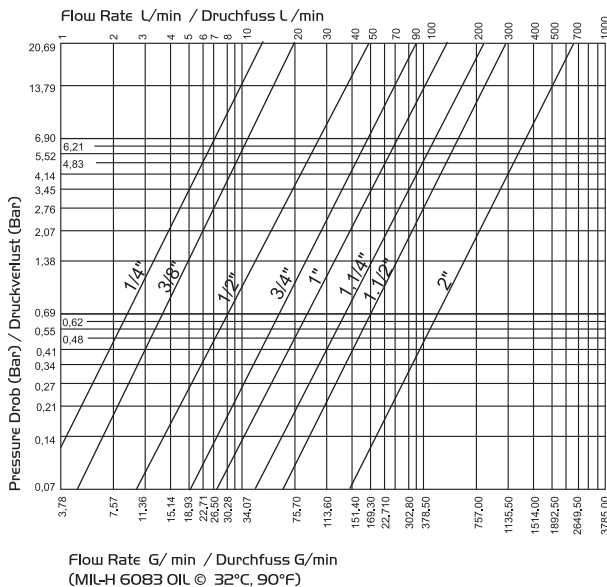
Um Unfälle zu vermeiden beim Öffnen der Kupplung ist die Schiebehülse über den Zapfen zu schieben. Bei Bestellung fügen Sie zur Artikelnummer die Endung "ME" hinzu.



Shut-Off Socket and Shut-Off Plug (Double Shut-Off)
Kupplungen ohne Ventil & Verschlussnippel (Beidseitig absperrend)



Shut-Off Socket and Thru-Flow Plug (Single Shut-Off)
Kupplungen ohne Ventil & Anschlusnippel (Einseitig absperrend)





SERIE 165

HYDRAULIC COUPLINGS
HYDRAULIK KUPPLUNGEN

Interchangeability / Kompatibilität
SNAP - TITE H, IH, PH SERIES
US - MIL -C-51234

ND - NW: Ø6.5-Ø51 / 33-2050 mm2



Body Size Baugröße	Shut-Off Socket & Shut-Off Plug / Shut-Off Socket & Thru-Flow Plug Kupplungen ohne Ventil & Verschlussnippel / Kupplungen ohne Ventil & Anschlußnippel								Thru-Flow Socket & Thru-Flow Plug Kupplungen ohne Ventil & Anschlußnippel							
	Steel - Stahl		Aluminium		Brass - Messing		Stainless Steel Edelstahl		Steel - Stahl		Aluminium		Brass - Messing		Stainless Steel Edelstahl	
	Psi	Bar	Psi	Bar	Psi	Bar	Psi	Bar	Psi	Bar	Psi	Bar	Psi	Bar	Psi	Bar
1/4" - 6.5mm	6500	448	2250	155	2250	155	5000	345	11000	759	4000	276	4000	276	10000	690
3/8" - 10mm	4500	310	2250	155	2250	155	4000	276	11000	759	4000	276	4000	276	8000	552
1/2" - 13mm	4000	276	1750	121	2000	168	3750	259	11000	759	4000	276	4000	276	8000	552
3/4" - 19mm	3500	241	1750	121	2000	138	2000	138	9000	621	3500	241	3500	241	7000	483
1" - 25mm	2000	138	1500	103	1750	121	2000	138	6000	414	3000	207	3000	207	4000	276
1.1/4" - 31mm	1750	121	375	26	350	24	1500	103	5000	345	1000	69	1000	69	3000	207
1.1/2" - 38mm	1500	103	375	26	350	24	1500	103	5000	345	1000	69	1000	69	3000	207
2" - 51mm	1500	103	300	21	400	28	500	34	4000	276	750	52	750	52	1000	69

Temperature Range - Temperaturbereich
-20°C +100°C (-40F +250°F)

Working Pressure - Betriebsdruck
In The Chart

Flow Capacity - Größen
NW - 1/4" - 2"

Material - Material

- Coupler Body - Kupplungsgrundkörper : Brass - Messing
- Back Part - Rückwärtiger : Brass - Messing
- Sleeve - Hülse : Brass - Messing
- Valve - Ventil : Brass - Messing
- Springs - Federn : Stainless Steel - Edelstahl
- Balls - Kugeln : AISI 420 & Herdened - AISI 420 Stahl gehärtet
- Seals - Dichtungen : Nitrile NBR (Ni)
- Plug - Nippel : Brass - Messing

Options Material - Optionen Material

- B (Standard) : Brass - Messing
- C : Steel - Stahl
- S3 - S6 : Stainless Steel - Edelstahl
- A : Aluminium - Aluminium

Seals - Dichtungen

Standard: Molded U Seal - U Dichtung

PH Seal / PH Dichtung

- O-Ring + PTFE Back-Up Ring For Steel & Stainless Steel Socket
- O-Ring + PTFE Stützring für Kupplungen in Stahl und Edelstahl

Vale System & Combination

- Thru-Flow : Thru Flow Socket & Thru Flow Plugs
- Singel Shut-Off : Shut-off Socket & Thru Flow Plugs
- Double Shut-Off : Shut-Off Socket & Shut-Off Plugs
- Ps : Thru-Flow Socket can not be - sed with Shut-Off plugs
- Only same size plugs and sockets are interchangeable regardless of material and end fittings.

Ventiltypen und Kombinationsoptionen:

- Freier Durchlass: Kupplung und Stecker ohne Ventil
- Einseitige Absperrung: Nippel mit Ventil und Kupplung ohne Ventil
- Doppelte Absperrung: Nippel mit Ventil und Kupplung mit Ventil
- Beachte: Kupplung ohne Ventil kann nicht verwendet werden mit Stecker mit Ventil Kupplungen und Stecker gleicher Nennweite sind austauschbar unabhängig von Material oder Anschluss

For optional orders please add the symbol of your option end of the order no.
Bei Bestellungen Kennbuchstabe bitte hinzufügen (Beispiel: 165.06 DGF 17C)

Thru Flow Sockets / Kupplungen ohne Ventil



Couplers and Plugs Kupplungen und Nippel	Body Size Baugröße	Connection Anschluß ØT	Order No - Bestellnr.	L	LI	L2	ØD	SW	
<p>BSP Female Threaded Thru-Flow Socket Kupplungen ohne Ventil BSP Innengewinde</p>	04 - 6.5 mm	BSP 1/4"	165.04 DGF 13	34			25.7	22	
	06 - 10 mm	BSP 3/8"	165.06 DGF 17	38			31	24	
	08 - 13 mm	BSP 1/2"	165.08 DGF 21	41			35	30	
	12 - 19 mm	BSP 3/4"	165.12 DGF 26	48.7			42	36	
	16 - 25 mm	BSP 1"	165.16 DGF 33	49.5			50	50	
	20 - 31 mm	BSP 1.1/4"	165.20 DGF 42	58			55	50	
	24 - 38 mm	BSP 1.1/2"	165.24 DGF 48	65.2			70	63	
	32 - 51 mm	BSP 2"	165.32 DGF 60	63			90	82	
	<p>NPT Female Threaded Thru-Flow Socket Kupplungen ohne Ventil NPT Innengewinde</p>	04 - 6.5 mm	NPT 1/4"	165.04 NGF 13	34			25.7	22
		06 - 10 mm	NPT 3/8"	165.06 NGF 17	38			31	24
08 - 13 mm		NPT 1/2"	165.08 NGF 21	44			35	30	
12 - 19 mm		NPT 3/4"	165.12 NGF 26	48.7			42	36	
16 - 25 mm		NPT 1"	165.16 NGF 33	49.5			50	50	
20 - 31 mm		NPT 1.1/4"	165.20 NGF 42	58			55	50	
24 - 38 mm		NPT 1.1/2"	165.24 NGF 48	65.2			70	63	
32 - 51 mm		NPT 2"	165.32 NGF 60	70			90	82	

HYDRAULIC COUPLINGS
HYDRAULIK KUPPLUNGEN

SERIE 165



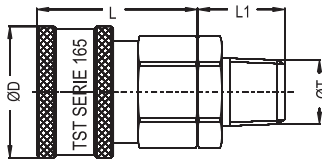
ND - NW: Ø6.5-Ø51 / 33-2050 mm2

Interchangeability / Kompatibilität
SNAP - TITE H, IH, PH SERIES
US - MIL -C-51234



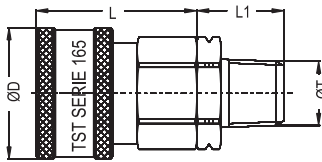
Shut - Off Sockets / Kupplungen mit Ventil

Couplers and Plugs
Kupplungen und Nippel



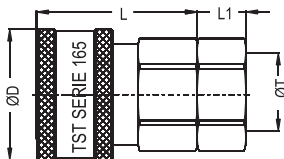
BSPT (Taper) Male Threaded Shut-Off Socket
Kupplungen mit Ventil und BSPT Außgewinde

Body Size Baugröße	Connection Anschluß ØT	Order No - Bestellnr.	L	L1	L2	ØD	SW
04 - 6.5 mm	BSPT 1/4"	165.04 RGB 13	34	19		25.7	22
06 - 10 mm	BSPT 3/8"	165.06 RGB 17	38	19		31	24
08 - 13 mm	BSPT 1/2"	165.08 RGB 21	41	26		35	30
12 - 19 mm	BSPT 3/4"	165.12 RGB 26	48.7	28		42	36
16 - 25 mm	BSPT 1"	165.16 RGB 33	52.5	38		50	50
20 - 31 mm	BSPT 1.1/4"	165.20 RGB 42	58	39		55	50
24 - 38 mm	BSPT 1.1/2"	165.24 RGB 48	65.2	42		70	63
32 - 51 mm	BSPT 2"	165.32 RGB 60	80	46		90	82



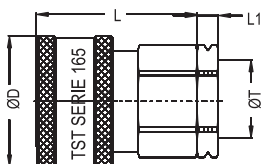
NPT (Taper) Male Threaded Shut-Off Socket
Kupplungen mit Ventil und NPT Außgewinde

04 - 6.5 mm	NPT 1/4"	165.04 TGB 13	34	19		25.7	22
06 - 10 mm	NPT 3/8"	165.06 TGB 17	38	19		31	24
08 - 13 mm	NPT 1/2"	165.08 TGB 21	41	27		35	30
12 - 19 mm	NPT 3/4"	165.12 TGB 26	48.7	28		42	36
16 - 25 mm	NPT 1"	165.16 TGB 33	52.5	38		50	50
20 - 31 mm	NPT 1.1/4"	165.20 TGB 42	58	39		55	50
24 - 38 mm	NPT 1.1/2"	165.24 TGB 48	65.2	42		70	63
32 - 51 mm	NPT 2"	165.32 TGB 60	80	46		90	82



BSP Female Threaded Shut-Off Socket
Kupplungen mit Ventil und BSP Innengewinde

04 - 6.5 mm	BSP 1/4"	165.04 DGB 13	34	9.8		25.7	22
06 - 10 mm	BSP 3/8"	165.06 DGB 17	38	15		31	24
08 - 13 mm	BSP 1/2"	165.08 DGB 21	41	13.5		35	30
12 - 19 mm	BSP 3/4"	165.12 DGB 26	48.7	14.5		42	36
16 - 25 mm	BSP 1"	165.16 DGB 33	52.5	15.5		50	50
20 - 31 mm	BSP 1.1/4"	165.20 DGB 42	58	16.8		55	50
24 - 38 mm	BSP 1.1/2"	165.24 DGB 48	65.2	18		70	63
32 - 51 mm	BSP 2"	165.32 DGB 60	80	20		90	82



NPT Female Threaded Shut-Off Socket
Kupplungen mit Ventil und NPT Innengewinde

04 - 6.5 mm	NPT 1/4"	165.04 NGB 13	34	9.8		25	22
06 - 10 mm	NPT 3/8"	165.06 NGB 17	38	19		31	24
08 - 13 mm	NPT 1/2"	165.08 NGB 21	41	13.5		35	30
12 - 19 mm	NPT 3/4"	165.12 NGB 26	48.7	14.5		42	36
16 - 25 mm	NPT 1"	165.16 NGB 33	52.5	20.5		50	50
20 - 31 mm	NPT 1.1/4"	165.20 NGB 42	58	31.8		55	50
24 - 38 mm	NPT 1.1/2"	165.24 NGB 48	65.2	18		70	63
32 - 51 mm	NPT 2"	165.32 NGB 60	80	25		90	82



ND - NW: Ø6.5-Ø51 / 33-2050 mm2

SERIE 165

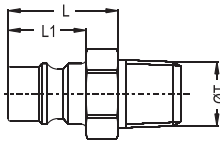
HYDRAULIC COUPLINGS
HYDRAULIK KUPPLUNGEN



Interchangeability / Kompatibilität
SNAP - TITE H, IH, PH SERIES
US - MIL -C-51234

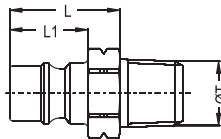
Shut - Off Plugs / Anschlußnippel

Couplers and Plugs
Kupplungen und Nippel



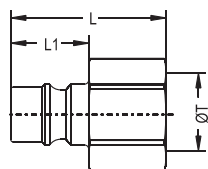
BSPT (Taper) Male Threaded Thru-Flow Plugs
Anschlußnippel mit BSPT Außengewinde

Body Size Baugröße	Connection Anschluß ØT	Order No - Bestellnr.	L	L1	L2	ØD	SW
04 - 6.5 mm	BSPT 1/4"	165,04 RU 13	21	15			16
06 - 10 mm	BSPT 3/8"	165,06 RU 17	24	18.4			17
08 - 13 mm	BSPT 1/2"	165,08 RU 21	25.5	18.7			24
12 - 19 mm	BSPT 3/4"	165,12 RU 26	32.6	22.6			30
16 - 25 mm	BSPT 1"	165,16 RU 33	39	29			38
20 - 31 mm	BSPT 1.1/4"	165,20 RU 42	32.6	23.3			50
24 - 38 mm	BSPT 1.1/2"	165,24 RU 48	40	27.3			54
32 - 51 mm	BSPT 2"	165,32 RU 60	50	34			70



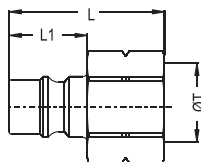
NPT (Taper) Male Threaded Thru-Flow Plugs
Anschlußnippel mit NPT Außengewinde

04 - 6.5 mm	NPT 1/4"	165,04 TU 13	21	15			16
06 - 10 mm	NPT 3/8"	165,06 TU 17	24	18.4			17
08 - 13 mm	NPT 1/2"	165,08 TU 21	25.5	18.7			24
12 - 19 mm	NPT 3/4"	165,12 TU 26	32.6	22.6			30
16 - 25 mm	NPT 1"	165,16 TU 33	39	29			38
20 - 31 mm	NPT 1.1/4"	165,20 TU 42	32.6	23.3			50
24 - 38 mm	NPT 1.1/2"	165,24 TU 48	40	27.3			54
32 - 51 mm	NPT 2"	165,32 TU 60	50	34			70



BSP Female Threaded Thru-Flow Plugs
Anschlußnippel mit BSP Innengewinde

04 - 6.5 mm	BSP 1/4"	165,04 DU 13	32.7	15			16
06 - 10 mm	BSP 3/8"	165,06 DU 17	36.6	18.4			24
08 - 13 mm	BSP 1/2"	165,08 DU 21	43.5	18.7			25
12 - 19 mm	BSP 3/4"	165,12 DU 26	49	22.6			30
16 - 25 mm	BSP 1"	165,16 DU 33	54	29			38
20 - 31 mm	BSP 1.1/4"	165,20 DU 42	54	23.3			50
24 - 38 mm	BSP 1.1/2"	165,24 DU 48	62	27.3			54
32 - 51 mm	BSP 2"	165,32 DU 60	70	34			70



NPT (Taper) Female Threaded Thru-Flow Plugs
Anschlußnippel mit NPT Innengewinde

04 - 6.5 mm	NPT 1/4"	165,04 NU 13	32.7	15			16
06 - 10 mm	NPT 3/8"	165,06 NU 17	36.6	18.4			24
08 - 13 mm	NPT 1/2"	165,08 NU 21	43.5	18.7			25
12 - 19 mm	NPT 3/4"	165,12 NU 26	49	22.6			30
16 - 25 mm	NPT 1"	165,16 NU 33	54	29			38
20 - 31 mm	NPT 1.1/4"	165,20 NU 42	54	23.3			50
24 - 38 mm	NPT 1.1/2"	165,24 NU 48	62	27.3			54
32 - 51 mm	NPT 2"	165,32 NU 60	70	34			70

HYDRAULIC COUPLINGS
HYDRAULIK KUPPLUNGEN

SERIE 165



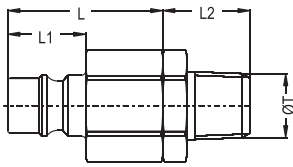
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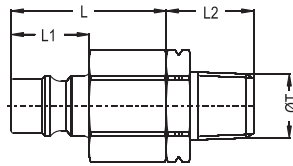
Shut - Off Plugs / Verschußnippel

Couplers and Plugs
Kupplungen und Nippel



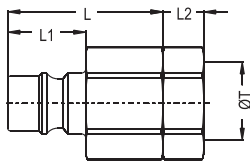
BSPT (Taper) Male Threaded Shut-Off Plug
Verschußnippel mit BSPT Außengewinde

Body Size Baugröße	Connection Anschluß ØT	Order No - Bestellnr.	L	L1	L2	ØD	SW
04 - 6.5 mm	BSPT 1/4"	165.04 RUB 13	32.7	15	19		22
06 - 10 mm	BSPT 3/8"	165.06 RUB 17	36.6	18.4	19		24
08 - 13 mm	BSPT 1/2"	165.08 RUB 21	37.5	18.7	26		30
12 - 19 mm	BSPT 3/4"	165.12 RUB 26	45.5	22.6	28		36
16 - 25 mm	BSPT 1"	165.16 RUB 33	50	29	38		50
20 - 31 mm	BSPT 1.1/4"	165.20 RUB 42	55	23.3	39		50
24 - 38 mm	BSPT 1.1/2"	165.24 RUB 48	60.8	27.3	42		63
32 - 51 mm	BSPT 2"	165.32 RUB 60	74.5	34	46		82



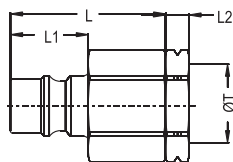
NPT (Taper) Male Threaded Shut-Off Plug
Verschußnippel mit NPT Außengewinde

04 - 6.5 mm	NPT 1/4"	165.04 TUB 13	32.7	15	19		22
06 - 10 mm	NPT 3/8"	165.06 TUB 17	36.6	18.4	19		24
08 - 13 mm	NPT 1/2"	165.08 TUB 21	37.5	18.7	26		30
12 - 19 mm	NPT 3/4"	165.12 TUB 26	45.5	22.6	28		36
16 - 25 mm	NPT 1"	165.16 TUB 33	50	29	38		50
20 - 31 mm	NPT 1.1/4"	165.20 TUB 42	55	23.3	39		50
24 - 38 mm	NPT 1.1/2"	165.24 TUB 48	60.8	27.3	42		63
32 - 51 mm	NPT 2"	165.32 TUB 60	74.5	34	46		82



BSP Female Threaded Shut-Off Plug
Verschußnippel mit BSP Innengewinde

04 - 6.5 mm	BSP 1/4"	165.04 DUB 13	32.7	15	9.8		22
06 - 10 mm	BSP 3/8"	165.06 DUB 17	36.6	18.4	15		24
08 - 13 mm	BSP 1/2"	165.08 DUB 21	37.5	18.7	13.5		30
12 - 19 mm	BSP 3/4"	165.12 DUB 26	45.5	22.6	14.5		36
16 - 25 mm	BSP 1"	165.16 DUB 33	50	29	15.5		50
20 - 31 mm	BSP 1.1/4"	165.20 DUB 42	55	23.3	16.8		50
24 - 38 mm	BSP 1.1/2"	165.24 DUB 48	60.8	27.3	18		63
32 - 51 mm	BSP 2"	165.32 DUB 60	74.5	34	20		82



NPT Female Threaded Shut-Off Plug
Verschußnippel mit NPT Innengewinde

04 - 6.5 mm	NPT 1/4"	165.04 NUB 13	32.7	15	9.8		22
06 - 10 mm	NPT 3/8"	165.06 NUB 17	36.6	18.4	15		24
08 - 13 mm	NPT 1/2"	165.08 NUB 21	37.5	18.7	13.5		30
12 - 19 mm	NPT 3/4"	165.12 NUB 26	45.5	22.6	14.5		36
16 - 25 mm	NPT 1"	165.16 NUB 33	50	29	15.5		50
20 - 31 mm	NPT 1.1/4"	165.20 NUB 42	55	23.3	16.8		50
24 - 38 mm	NPT 1.1/2"	165.24 NUB 48	60.8	27.3	18		63
32 - 51 mm	NPT 2"	165.32 NUB 60	74.5	34	20		82



ND - NW: Ø6.5-Ø51 / 33-2050 mm2

SERIE 165 ■

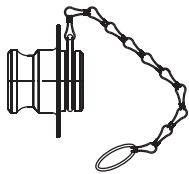
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HYDRAULIK KUPPLUNGEN



Interchangeability / Kompatibilität
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US - MIL -C-51234

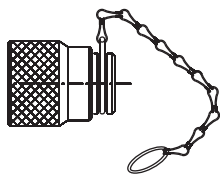
Shut - Off Plugs / Anschlußnippel

Couplers and Plugs
Kupplungen und Nippel



Aluminium Dust Cap Of The Socket
Staubstecker mit Kette für Kupplung

Body Size Baugröße	Order No - Bestellnr.
04 - 6.5 mm	165.04 KG 00
06 - 10 mm	165.06 KG 00
08 - 13 mm	165.08 KG 00
12 - 19 mm	165.12 KG 00
16 - 25 mm	165.16 KG 00
20 - 31 mm	165.20 KG 00
24 - 38 mm	165.24 KG 00
32 - 51 mm	165.32 KG 00



Aluminium Dust Cap Of The Plug
Staubstecker mit Kette für Nippel

04 - 6.5 mm	165.04 KU 00
06 - 10 mm	165.06 KU 00
08 - 13 mm	165.08 KU 00
12 - 19 mm	165.12 KU 00
16 - 25 mm	165.16 KU 00
20 - 31 mm	165.20 KU 00
24 - 38 mm	165.24 KU 00
32 - 51 mm	165.32 KU 00