

**COUPLINGS, MULTICOUPLINGS & MOULD COOLING PRODUCTS**

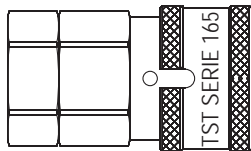
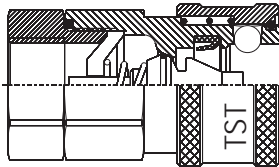
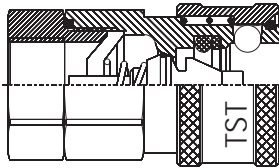
KUPPLUNGEN, MULTIKUPPLUNGEN & KÜHLUNGSELEMENTE FÜR WERKZEUGE

**SERIE 165**



ND - NW: Ø6.5-Ø51 / 33-2050 mm<sup>2</sup>

**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)**

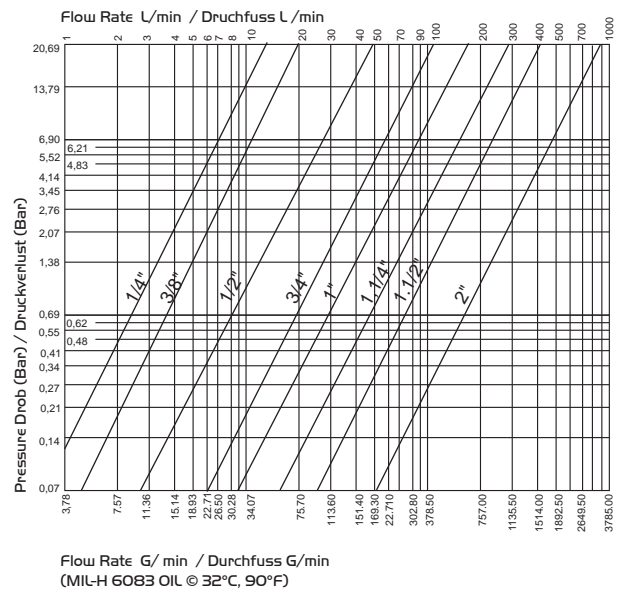
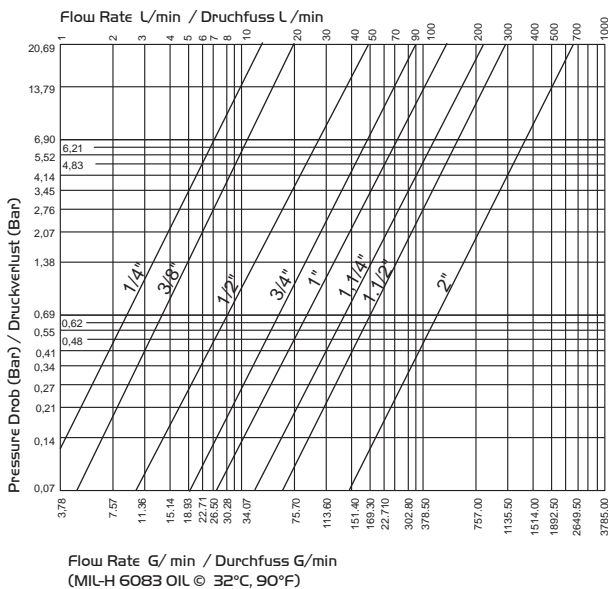
Um Unfälle zu vermeiden beim Öffnen der Kupplung ist die Schiebehülse über den Zapfen zu schieben. Bei Bestellung fügen Sie zur Artikelnummer die Endung "ME" hinzu.



**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 & Anschlussnippel (Einseitig absperrend)





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Interchangeability / Kompatibilität  
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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 - Rückwartiger : 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.

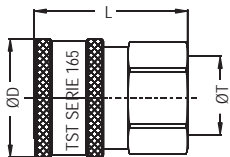
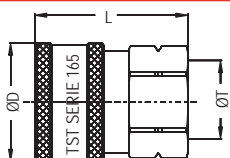
Ventiltypen und Kombinationsoptionen:

- 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	22	
	06 - 10 mm	BSP 3/8"	165.06 DGF 17	38			30	25	
	08 - 13 mm	BSP 1/2"	165.08 DGF 21	41			35	30	
	12 - 19 mm	BSP 3/4"	165.12 DGF 26	49			41	38	
	16 - 25 mm	BSP 1"	165.16 DGF 33	52.5			50	48	
	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	65.3			70	63	
	32 - 51 mm	BSP 2"	165.32 DGF 60	80			90	88	
	 <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	22
		06 - 10 mm	NPT 3/8"	165.06 NGF 17	38			30	25
08 - 13 mm		NPT 1/2"	165.08 NGF 21	41			35	30	
12 - 19 mm		NPT 3/4"	165.12 NGF 26	49			41	38	
16 - 25 mm		NPT 1"	165.16 NGF 33	52.5			50	48	
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	65.3			70	63	
32 - 51 mm		NPT 2"	165.32 NGF 60	80			90	88	

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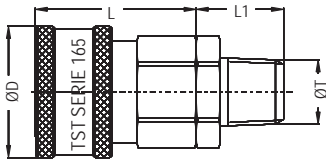
ND - NW: Ø6.5-Ø51 / 33-2050 mm2

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



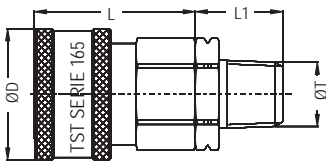
**Shut - Off Sockets / Kupplungen mit Ventil**

**Couplers and Plugs  
Kupplungen und Nippel**



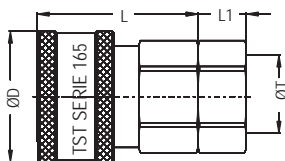
BSPT (Taper) Male Threaded Shut-Off Socket  
Kupplungen mit Ventil und BSPT Außengewinde

Body Size Baugröße	Connection Anschluß ØT	Order No - Bestellnr.	L	LI	L2	ØD	SW
04 - 6.5 mm	BSPT 1/4"	165.04 RGB 13	34	19		25	22
06 - 10 mm	BSPT 3/8"	165.06 RGB 17	38	17.5		30	25
08 - 13 mm	BSPT 1/2"	165.08 RGB 21	41	24.3		35	30
12 - 19 mm	BSPT 3/4"	165.12 RGB 26	49	24.4		41	38
16 - 25 mm	BSPT 1"	165.16 RGB 33	52.5	29		50	48
20 - 31 mm	BSPT 1.1/4"	165.20 RGB 42	58	33.3		55	50
24 - 38 mm	BSPT 1.1/2"	165.24 RGB 48	65.3	36.6		70	63
32 - 51 mm	BSPT 2"	165.32 RGB 60	80	35.6		90	88



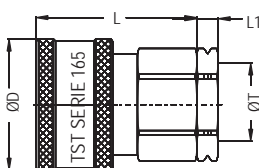
NPT (Taper) Male Threaded Shut-Off Socket  
Kupplungen mit Ventil und NPT Außengewinde

04 - 6.5 mm	NPT 1/4"	165.04 TGB 13	34	19		25	22
06 - 10 mm	NPT 3/8"	165.06 TGB 17	38	17.5		30	25
08 - 13 mm	NPT 1/2"	165.08 TGB 21	41	24.3		35	30
12 - 19 mm	NPT 3/4"	165.12 TGB 26	49	24.4		41	38
16 - 25 mm	NPT 1"	165.16 TGB 33	52.5	29		50	48
20 - 31 mm	NPT 1.1/4"	165.20 TGB 42	58	33.3		55	50
24 - 38 mm	NPT 1.1/2"	165.24 TGB 48	65.3	36.6		70	63
32 - 51 mm	NPT 2"	165.32 TGB 60	80	35.6		90	88



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

04 - 6.5 mm	BSP 1/4"	165.04 DGB 13	34	10		25	22
06 - 10 mm	BSP 3/8"	165.06 DGB 17	38	10.2		30	25
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	49	14.5		41	38
16 - 25 mm	BSP 1"	165.16 DGB 33	52.5	15.2		50	48
20 - 31 mm	BSP 1.1/4"	165.20 DGB 42	58	16		55	50
24 - 38 mm	BSP 1.1/2"	165.24 DGB 48	65.3	18		70	63
32 - 51 mm	BSP 2"	165.32 DGB 60	80	20		90	88



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

04 - 6.5 mm	NPT 1/4"	165.04 NGB 13	34	10		25	22
06 - 10 mm	NPT 3/8"	165.06 NGB 17	38	10.2		30	25
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	49	14.5		41	38
16 - 25 mm	NPT 1"	165.16 NGB 33	52.5	15.2		50	48
20 - 31 mm	NPT 1.1/4"	165.20 NGB 42	58	16		55	50
24 - 38 mm	NPT 1.1/2"	165.24 NGB 48	65.3	18		70	63
32 - 51 mm	NPT 2"	165.32 NGB 60	80	20		90	88



SERIE 165 ■

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KUPPLUNGEN, MULTIKUPPLUNGEN & KÜHLUNGSELEMENTE FÜR WERKZEUGE

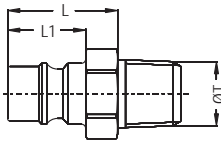


**Interchangeability / Kompatibilität**  
 SNAP - TITE H, IH, PH SERIES  
 US - MIL - C-51234

**Shut - Off Plugs / Anschlußnippel**

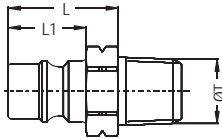
ND - NW: Ø6.5-Ø51 / 33-2050 mm2

**Couplers and Plugs**  
**Kupplungen und Nippel**



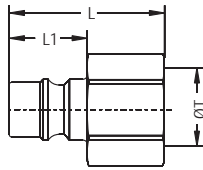
BSPT (Taper) Male Threaded Thru-Flow Plugs  
 Anschlußnippel mit BSPT Außengewinde

Body Size Baugröße	Connection Anschluß ØT	Order No - Bestellnr.	L	LI	L2	ØD	SW
04 - 6.5 mm	BSP 1/4"	165.04 RU 13	32.3	14.7			14
06 - 10 mm	BSP 3/8"	165.06 RU 17	36.6	18			17
08 - 13 mm	BSP 1/2"	165.08 RU 21	38.4	18.3			22
12 - 19 mm	BSP 3/4"	165.12 RU 26	45.5	22.5			27
16 - 25 mm	BSP 1"	165.16 RU 33	49.5	23.1			35
20 - 31 mm	BSP 1.1/4"	165.20 RU 42	54.6	23			48
24 - 38 mm	BSP 1.1/2"	165.24 RU 48	61.2	27			54
32 - 51 mm	BSP 2"	165.32 RU 60	75	33.5			63



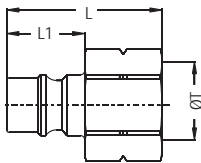
NPT (Taper) Male Threaded Thru-Flow Plugs  
 Anschlußnippel mit NPT Außengewinde

04 - 6.5 mm	NPT 1/4"	165.04 TU 13	32.3	14.7			14
06 - 10 mm	NPT 3/8"	165.06 TU 17	36.6	18			17
08 - 13 mm	NPT 1/2"	165.08 TU 21	38.4	18.3			22
12 - 19 mm	NPT 3/4"	165.12 TU 26	45.5	22.5			27
16 - 25 mm	NPT 1"	165.16 TU 33	49.5	23.1			35
20 - 31 mm	NPT 1.1/4"	165.20 TU 42	54.6	23			48
24 - 38 mm	NPT 1.1/2"	165.24 TU 48	61.2	27			54
32 - 51 mm	NPT 2"	165.32 TU 60	75	33.5			63



BSP Female Threaded Thru-Flow Plugs  
 Anschlußnippel mit BSP Innengewinde

04 - 6.5 mm	BSP 1/4"	165.04 DU 13	32.3	14.7			16
06 - 10 mm	BSP 3/8"	165.06 DU 17	36.6	18			20
08 - 13 mm	BSP 1/2"	165.08 DU 21	43.7	18.3			25
12 - 19 mm	BSP 3/4"	165.12 DU 26	47.2	22.5			30
16 - 25 mm	BSP 1"	165.16 DU 33	54.1	23.1			38
20 - 31 mm	BSP 1.1/4"	165.20 DU 42	56.4	23			48
24 - 38 mm	BSP 1.1/2"	165.24 DU 48	62	27			54
32 - 51 mm	BSP 2"	165.32 DU 60	66	33.5			70



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

04 - 6.5 mm	NPT 1/4"	165.04 NU 13	33.5	14.7			16
06 - 10 mm	NPT 3/8"	165.06 NU 17	38.6	18			20
08 - 13 mm	NPT 1/2"	165.08 NU 21	43.7	18.3			25
12 - 19 mm	NPT 3/4"	165.12 NU 26	48.8	22.5			30
16 - 25 mm	NPT 1"	165.16 NU 33	53.3	23.1			38
20 - 31 mm	NPT 1.1/4"	165.20 NU 42	56.4	23			48
24 - 38 mm	NPT 1.1/2"	165.24 NU 48	62	27			54
32 - 51 mm	NPT 2"	165.32 NU 60	66	33.5			70

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**SERIE 165**



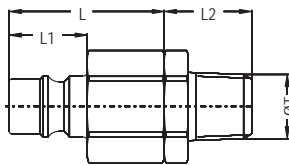
ND - NW: Ø6.5-Ø51 / 33-2050 mm2

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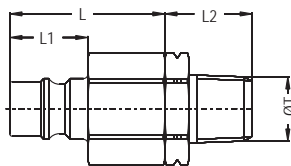
**Shut - Off Plugs / Verschlussnippel**

**Couplers and Plugs**  
**Kupplungen und Nippel**



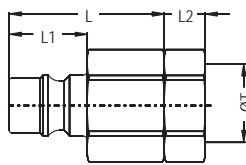
BSPT (Taper) Male Threaded Shut-Off Plug  
 Verschlussnippel mit BSPT Außengewinde

Body Size Baugröße	Connection Anschluß ØT	Order No - Bestellnr.	L	LI	L2	ØD	SW
04 - 6.5 mm	BSPT 1/4"	165.04 RUB 13	32.5	14.7	19		22
06 - 10 mm	BSPT 3/8"	165.06 RUB 17	36.6	18	17.5		25
08 - 13 mm	BSPT 1/2"	165.08 RUB 21	38.4	18.3	24.3		30
12 - 19 mm	BSPT 3/4"	165.12 RUB 26	45.5	22.5	24.4		38
16 - 25 mm	BSPT 1"	165.16 RUB 33	49.5	23.1	29		48
20 - 31 mm	BSPT 1.1/4"	165.20 RUB 42	54.6	23	33.3		50
24 - 38 mm	BSPT 1.1/2"	165.24 RUB 48	61.2	27	36.6		63
32 - 51 mm	BSPT 2"	165.32 RUB 60	75	33.5	35.6		88



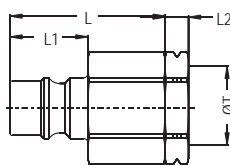
NPT (Taper) Male Threaded Shut-Off Plug  
 Verschlussnippel mit NPT Außengewinde

04 - 6.5 mm	NPT 1/4"	165.04 TUB 13	32.5	14.7	19		22
06 - 10 mm	NPT 3/8"	165.06 TUB 17	36.6	18	17.5		25
08 - 13 mm	NPT 1/2"	165.08 TUB 21	38.4	18.3	24.3		30
12 - 19 mm	NPT 3/4"	165.12 TUB 26	45.5	22.5	24.4		38
16 - 25 mm	NPT 1"	165.16 TUB 33	49.5	23.1	29		48
20 - 31 mm	NPT 1.1/4"	165.20 TUB 42	54.6	23	33.3		50
24 - 38 mm	NPT 1.1/2"	165.24 TUB 48	61.2	27	36.6		63
32 - 51 mm	NPT 2"	165.32 TUB 60	75	33.5	35.6		88



BSP Female Threaded Shut-Off Plug  
 Verschlussnippel mit BSP Innengewinde

04 - 6.5 mm	BSP 1/4"	165.04 DUB 13	32.5	14.7	10		22
06 - 10 mm	BSP 3/8"	165.06 DUB 17	36.6	18	10.2		25
08 - 13 mm	BSP 1/2"	165.08 DUB 21	38.4	18.3	13.5		30
12 - 19 mm	BSP 3/4"	165.12 DUB 26	45.5	22.5	14.2		38
16 - 25 mm	BSP 1"	165.16 DUB 33	49.5	23.1	15.2		48
20 - 31 mm	BSP 1.1/4"	165.20 DUB 42	54.6	23	16		50
24 - 38 mm	BSP 1.1/2"	165.24 DUB 48	61.2	27	18		63
32 - 51 mm	BSP 2"	165.32 DUB 60	75	33.5	20		88



NPT Female Threaded Shut-Off Plug  
 Verschlussnippel mit NPT Innengewinde

04 - 6.5 mm	NPT 1/4"	165.04 NUB 13	32.5	14.7	8		22
06 - 10 mm	NPT 3/8"	165.06 NUB 17	36.6	18	10.1		25
08 - 13 mm	NPT 1/2"	165.08 NUB 21	38.4	18.3	12		30
12 - 19 mm	NPT 3/4"	165.12 NUB 26	45.5	22.5	12.7		38
16 - 25 mm	NPT 1"	165.16 NUB 33	49.5	23.1	15.2		48
20 - 31 mm	NPT 1.1/4"	165.20 NUB 42	54.6	23	17		50
24 - 38 mm	NPT 1.1/2"	165.24 NUB 48	61.2	27	18		63
32 - 51 mm	NPT 2"	165.32 NUB 60	75	33.5	20		88



SERIE 165 ■

**COUPLINGS, MULTICOUPLINGS & MOULD COOLING PRODUCTS**

KUPPLUNGEN, MULTIKUPPLUNGEN & KUHLUNGSELEMENTE FÜR WERKZEUGE

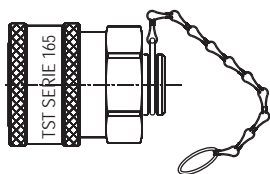


**Interchangeability / Kompatibilität**  
 SNAP - TITE H, IH, PH SERIES  
 US - MIL - C-51234

**Shut - Off Plugs / Anschlußnippel**

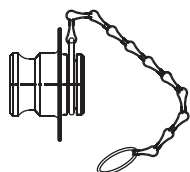
ND - NW: Ø6.5-Ø51 / 33-2050 mm<sup>2</sup>

**Couplers and Plugs**  
**Kupplungen und Nippel**



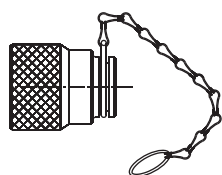
Metal Pressure Cap Of The Plug  
 Blindkupplung unter Druck einsetzbar

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



Aluminium Dust Cap Of The Socket  
 Staubstecker mit Kette für Kupplung

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