



# T060 - T090 - T190 SERIES

# tekno-met

QUICK COUPLINGS - SCHNELLKUPPLUNGEN

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EUROPEAN TYPE - EUROPÄISCHER TYP

WATER / WASSER

PNEUMATIC / PNEUMATISCH

HYDRAULIC / HYDRAULISCH

ACCESSORIES / ZUBEHÖR

## T060 - T090 - T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

### Interchangeability / Austauschbarkeit

EUROPEAN TYPE / EUROPÄISCHER TYP

### Temperature Range / Temperaturbereich

Nitrile (N) -20°C - +100°C  
FPM (V) -20°C - +180°C

### Working Pressure / Betriebsdruck

T060 10 Bar (145 PSI)  
T090 15 Bar (217 PSI)  
T190 15 Bar (217 PSI)

### Flow Size - Nennweite

T060 6 mm  
T090 9 mm  
T190 13 mm

### Material of Standard Version / Material für die Standardversion

Socket Body / Kupplungsgrundkörper	Brass / Messing
Sleeve / Hülse	Brass Messing
Springs / Federn	Stainless Steel / Edelstahl
Balls / Kugeln	Stainless Steel / Edelstahl
Plug / Nippel	Brass Messing
Seal/Dichtung	FPM (V)

### Options / Optionen

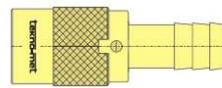
- S** : 303 Stainless Steel / 303 Edelstahl
- S6** : 316L Stainless Steel / 316L Edelstahl
- EM** : Safety Lock / Sicherheitsentriegelung
- EM2**: Safety Lock Type 2 / Sicherheitsentriegelung Typ 2
- EM3**: Safety Lock Type 3 / Sicherheitsentriegelung Typ 3

### Using Area

On temperature regulation applications  
with hot or cold water, oil etc  
Injection moulding industries  
On steam line

### Anwendungsbereiche

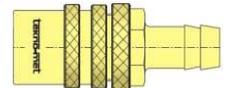
Werkzeugtemperierung  
Kühlung mit Öl oder Wasser  
Kunststoffindustrie  
Dampfanwendungen



EM Option



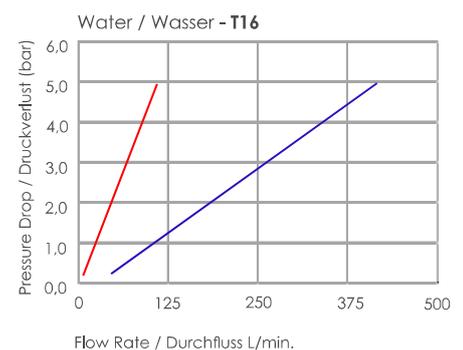
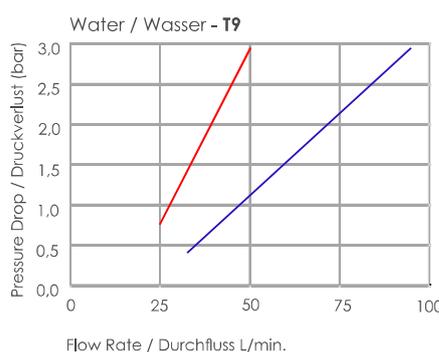
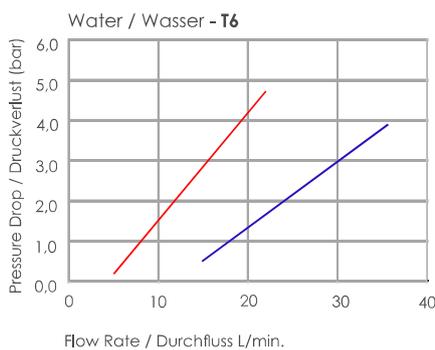
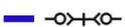
EM2 Option



EM3 Option



### Flow Rate - Pressure Drop / Durchfluss - Druckverlust

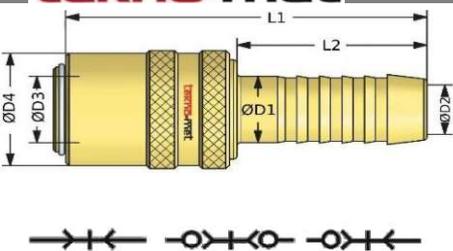


## T060-T090-T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

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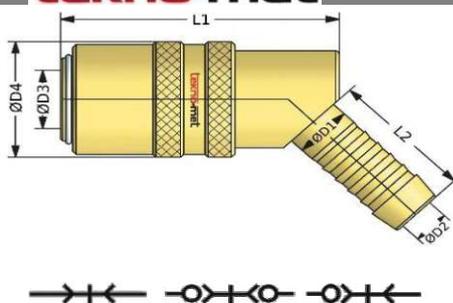
Standard Hose Tail Socket / Kupplung mit Standard - Schlauchtülle



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -○+○- -○+←	SIZE GRÖßE	ØD1	ØD2	ØD3	ØD4	L1	L2
SK T060 HG 06	CSK T060 HG 06	6	6	4	9	17	46	17
SK T060 HG 08	CSK T060 HG 08	6	8	5,5	9	17	46	17
SK T060 HG 09	CSK T060 HG 09	6	9	6	9	17	46	17
SK T060 HG 10	CSK T060 HG 10	6	10	7	9	17	46	17
SK T060 HG 13	CSK T060 HG 13	6	13	9	9	17	52	23
SK T090 HG 10	CSK T090 HG 10	9	10	7	13	22	60	23
SK T090 HG 13	CSK T090 HG 13	9	13	9	13	22	60	23
SK T190 HG 19	CSK T190 HG 19	13	19	15	19	31	90	32
SK T190 HG 25	CSK T190 HG 25	13	25	19	19	31	90	32

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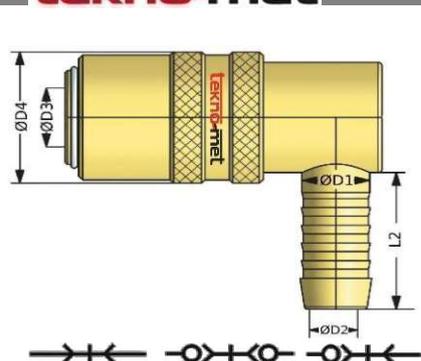
Standard Hose Tail Socket-45° / Kupplung mit Standard - Schlauchtülle-45°



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -○+○- -○+←	SIZE GRÖßE	ØD1	ØD2	ØD3	ØD4	L1	L2
SK T060 HG 06-45	CSK T060 HG 06-45	6	6	4	9	17	41	17
SK T060 HG 08-45	CSK T060 HG 08-45	6	8	5,5	9	17	41	17
SK T060 HG 09-45	CSK T060 HG 09-45	6	9	6	9	17	41	17
SK T060 HG 10-45	CSK T060 HG 10-45	6	10	7	9	17	41	17
SK T060 HG 13-45	CSK T060 HG 13-45	6	13	9	9	17	41	23
SK T090 HG 10-45	CSK T090 HG 10-45	9	10	7	13	22	51	23
SK T090 HG 13-45	CSK T090 HG 13-45	9	13	9	13	22	51	23
SK T190 HG 19-45	CSK T190 HG 19-45	13	19	15	19	31	78	32
SK T190 HG 25-45	CSK T190 HG 25-45	13	25	19	19	31	78	32

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Standard Hose Tail Socket-90° / Kupplung mit Standard - Schlauchtülle-90°

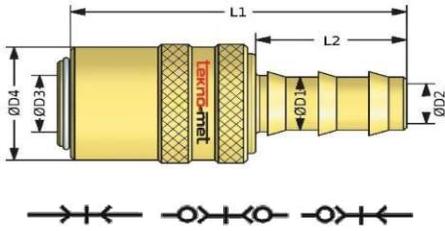


ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -○+○- -○+←	SIZE GRÖßE	ØD1	ØD2	ØD3	ØD4	L2
SK T060 HG 06-90	CSK T060 HG 06-90	6	6	4	9	17	17
SK T060 HG 08-90	CSK T060 HG 08-90	6	8	5,5	9	17	17
SK T060 HG 09-90	CSK T060 HG 09-90	6	9	6	9	17	17
SK T060 HG 10-90	CSK T060 HG 10-90	6	10	7	9	17	17
SK T060 HG 13-90	CSK T060 HG 13-90	6	13	9	9	17	23
SK T090 HG 10-90	CSK T090 HG 10-90	9	10	7	13	22	23
SK T090 HG 13-90	CSK T090 HG 13-90	9	13	9	13	22	23
SK T190 HG 19-90	CSK T190 HG 19-90	13	19	15	19	31	32
SK T190 HG 25-90	CSK T190 HG 25-90	13	25	19	19	31	32

## T060-T090-T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

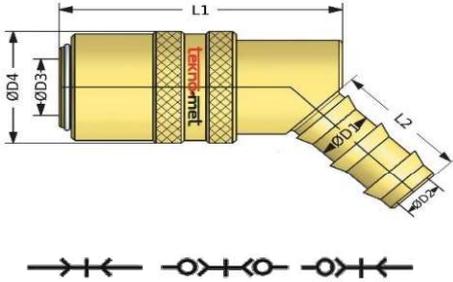
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Push Lock Hose Tail Socket / Kupplung mit Schnellsteck - Schlauchülle

ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -○+○- -○+○-	SIZE GRÖßE	ØD1	ØD2	ØD3	ØD4	L1	L2
SK T060 FG 06	CSK T060 FG 06	6	6	4	9	17	52	24
SK T060 FG 10	CSK T060 FG 10	6	10	7	9	17	52	24
SK T060 FG 13	CSK T060 FG 13	6	13	10	9	17	56	28
SK T090 FG 10	CSK T090 FG 10	9	10	7	13	22	64	28
SK T090 FG 13	CSK T090 FG 13	9	13	10	13	22	64	28
SK T190 FG 19	CSK T190 FG 19	13	19	15	19	31	96	38
SK T190 FG 25	CSK T190 FG 25	13	25	19	19	31	96	38

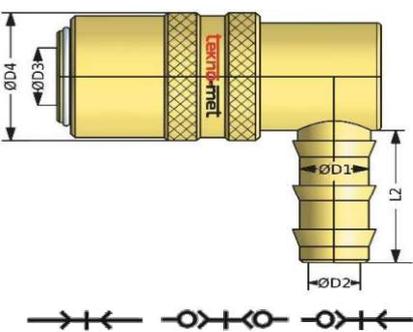
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Push Lock Hose Tail Socket - 45° / Kupplung mit Schnellsteck - Schlauchülle - 45°

ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -○+○- -○+○-	SIZE GRÖßE	ØD1	ØD2	ØD3	ØD4	L1	L2
SK T060 FG 06-45	CSK T060 FG 06-45	6	6	4	9	17	48	24
SK T060 FG 10-45	CSK T060 FG 10-45	6	10	7	9	17	48	24
SK T060 FG 13-45	CSK T060 FG 13-45	6	13	10	9	17	48	28
SK T090 FG 10-45	CSK T090 FG 10-45	9	10	7	13	22	55	28
SK T090 FG 13-45	CSK T090 FG 13-45	9	13	10	13	22	55	28
SK T190 FG 19-45	CSK T190 FG 19-45	13	19	15	19	31	84	38
SK T190 FG 25-45	CSK T190 FG 25-45	13	25	19	19	31	84	38

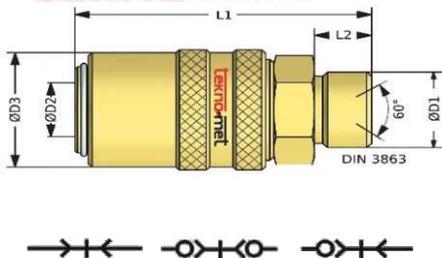
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Push Lock Hose Tail Socket - 90° / Kupplung mit Schnellsteck - Schlauchülle - 90°

ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -○+○- -○+○-	SIZE GRÖßE	ØD1	ØD2	ØD3	ØD4	L2
SK T060 FG 06-90	CSK T060 FG 06-90	6	6	4	9	17	25
SK T060 FG 10-90	CSK T060 FG 10-90	6	10	7	9	17	25
SK T060 FG 13-90	CSK T060 FG 13-90	6	13	10	9	17	25
SK T090 FG 10-90	CSK T090 FG 10-90	9	10	7	13	22	27
SK T090 FG 13-90	CSK T090 FG 13-90	9	13	10	13	22	27
SK T190 FG 19-90	CSK T190 FG 19-90	13	19	15	19	31	28
SK T190 FG 25-90	CSK T190 FG 25-90	13	25	19	19	31	28

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Male Thread Socket with 60° Sealing Cone / Kupplung mit Aussengewinde mit 60° Dichtkonus

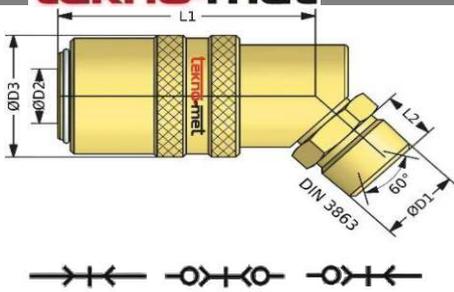
T090 EUF M14 →←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -○+○- -○+○-	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
SK T060 EG 10	CSK T060 EG 10	6	M10x1	9	17	48	9	17
SK T060 EG 13	CSK T060 EG 13	6	BSP 1/4	9	17	48	9	17
SK T060 EG 14	CSK T060 EG 14	6	M14x1,5	9	17	48	9	17
SK T060 EG 16	CSK T060 EG 16	6	M16x1,5	9	17	48	9	19
SK T060 EG 17	CSK T060 EG 17	6	BSP 3/8	9	17	48	9	19
SK T090 EG 13	CSK T090 EG 13	9	BSP 1/4	13	22	52	9	21
SK T090 EG 16	CSK T090 EG 16	9	M16x1,5	13	22	52	9	21
SK T090 EG 17	CSK T090 EG 17	9	BSP 3/8	13	22	52	9	21
SK T090 EG 21	CSK T090 EG 21	9	BSP 1/2	13	22	52	12	22
SK T190 EG 21	CSK T190 EG 21	13	BSP 1/2	19	31	74	12	30
SK T190 EG 24	CSK T190 EG 24	13	M24x1,5	19	31	78	16	30

## T060-T090-T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

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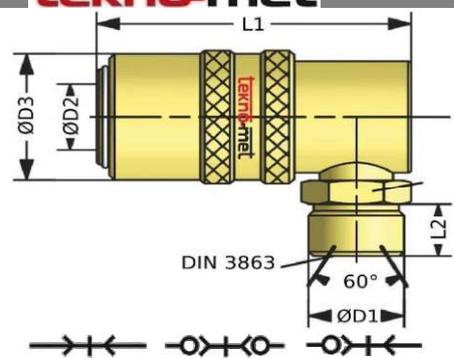
Male Thread Socket with 60° Sealing Cone-45° / Kupplung mit Aussengewinde mit 60° Dichtkonus-45°



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →+←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -O+← -O+←	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
SK T060 EG 13-45	CSK T060 EG 13-45	6	BSP 1/4	9	17	35	9	17
SK T060 EG 14-45	CSK T060 EG 14-45	6	M14x1,5	9	17	35	9	17
SK T060 EG 17-45	CSK T060 EG 17-45	6	BSP 3/8	9	17	35	9	19
SK T090 EG 17-45	CSK T090 EG 17-45	9	BSP 3/8	13	22	42	12	19
SK T090 EG 21-45	CSK T090 EG 21-45	9	BSP 1/2	13	22	42	12	22
SK T190 EG 21-45	CSK T190 EG 21-45	13	BSP 1/2	19	31	57	14	30
SK T190 EG 24-45	CSK T190 EG 24-45	13	M24x1,5	19	31	57	14	30

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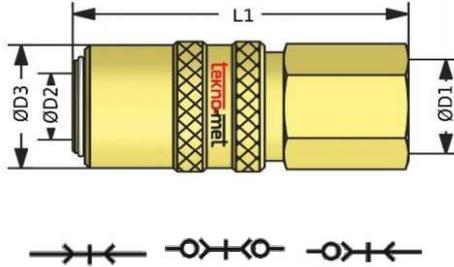
Male Thread Socket with 60° Sealing Cone-90° / Kupplung mit Aussengewinde mit 60° Dichtkonus-90°



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →+←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -O+← -O+←	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
SK T060 EG 13-90	CSK T060 EG 13-90	6	BSP 1/4	9	17	48	11	17
SK T060 EG 14-90	CSK T060 EG 14-90	6	M14x1,5	9	17	48	11	17
SK T060 EG 17-90	CSK T060 EG 17-90	6	BSP 3/8	9	17	48	11	19
SK T090 EG 17-90	CSK T090 EG 17-90	9	BSP 3/8	13	22	52	11	19
SK T090 EG 21-90	CSK T090 EG 21-90	9	BSP 1/2	13	22	52	14	22
SK T190 EG 21-90	CSK T190 EG 21-90	13	BSP 1/2	19	31	76	14	30
SK T190 EG 24-90	CSK T190 EG 24-90	13	M24x1,5	19	31	76	16	30

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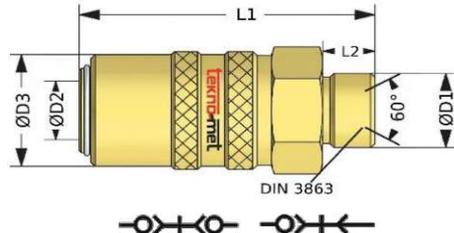
Female Thread Socket / Kupplung mit Innengewinde



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →+←	ORDER NO / BESTELL NR. With Valve/Mit Ventil -O+← -O+←	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
SK T060 DG 10	CSK T060 DG 10	6	M10x1	9	17	44	9	17
SK T060 EG 13	CSK T060 EG 13	6	BSP 1/4	9	17	44	11	17
SK T060 EG 14	CSK T060 EG 14	6	M14x1,5	9	17	44	11	17
SK T060 EG 17	CSK T060 EG 16	6	BSP 3/8	9	17	44	11	21
SK T090 EG 13	CSK T090 EG 13	9	BSP 1/4	13	22	48	11	17
SK T090 EG 16	CSK T090 EG 16	9	M16x1,5	13	22	48	11	21
SK T090 EG 17	CSK T090 EG 17	9	BSP 3/8	13	22	48	11	21
SK T090 EG 21	CSK T090 EG 21	9	BSP 1/2	13	22	48	11	25
SK T190 EG 21	CSK T190 EG 21	13	BSP 1/2	19	31	70	14	30
SK T190 EG 24	CSK T190 EG 24	13	M24x1,5	19	31	72	16	30
SK T190 EG 26	CSK T190 EG 26	13	BSP 3/4	19	31	72	16	30

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Male Thread Socket with 60° Sealing Cone-Short Type / Kupplung mit Aussengewinde mit 60° Dichtkonus-Kurze Version



ORDER NO / BESTELL NR. With Valve/Mit Ventil -O+← -O+←	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
TCSK T060 EG 13-KB	6	BSP 1/4	9	17	38	9	17
TCSK T090 EG 17-KB	9	BSP 3/8	13	17	38	9	17

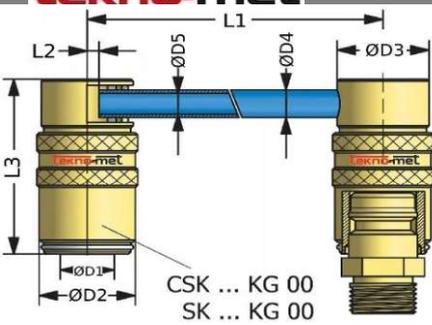


## T060-T090-T190 Series

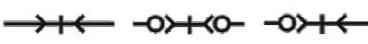
Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

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Diverging Socket / Umlenkkuplung

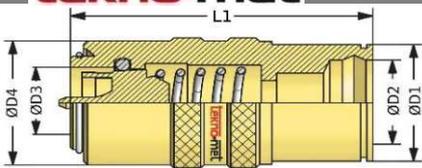


ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←←	ORDER NO / BESTELL NR. With Valve/Mit Ventil →←←	SIZE GRÖßE	ØD1	ØD2	ØD3	ØD4	ØD5	L1	L2	L3
SK T060 KG 125	CSK T060 KG 125	6	9	17	17	8	6	125	0	44
SK T060 KG 250	CSK T060 KG 250	6	9	17	17	8	6	250	0	44
SK T060 KG 500	CSK T060 KG 500	6	9	17	17	8	6	500	0	44
SK T060 KG125	CSK T060 KG125	6	13	22	22	10	8	125	2	53
SK T060 KG125	CSK T060 KG125	9	13	22	22	10	8	250	2	53
SK T060 KG125	CSK T060 KG125	9	13	22	22	10	8	500	2	53
SK T060 KG125	CSK T060 KG125	9	19	31	31	14	12	160	3	80
SK T060 KG125	CSK T060 KG125	9	19	31	31	14	12	315	3	80
SK T060 KG125	CSK T060 KG125	13	19	31	31	14	12	500	3	80

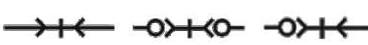


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Adapting Socket with T100.08 Plug/ Adapterkupplung mit T100.08 Nippel

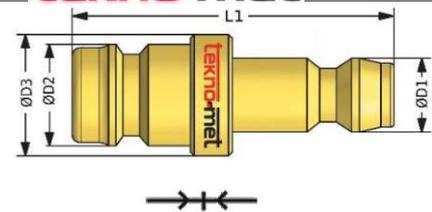


ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←←	ORDER NO / BESTELL NR. With Valve/Mit Ventil →←←	SIZE GRÖßE	ØD1	ØD2	ØD3	ØD4	L1
SK T060 AU T100.08	CSK T060 AU T100.08	6	21	17	9	17	44
SK T090 AU T100.08	CSK T090 AU T100.08	9	21	17	13	22	45



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Adapting Plug with T060-T090 Plug/ Adapternippel mit T060-T090 Nippel

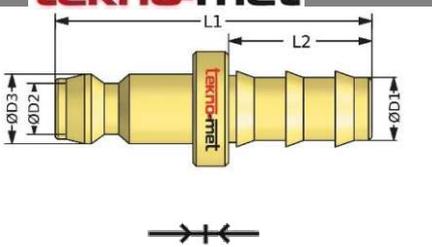


ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←←	SIZE GRÖßE	ØD1	ØD2	ØD3	L1
T060 HEF T060	6	9	9	10	34
T060 HEF T090	6	9	13	14	34
T090 HEF T090	9	9	13	14	34
T060 HEF T06	6	9	9	10	34
T090 HEF T06	6	9	13	14	34
T090 HEF T09	9	13	13	14	35



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Push Lock Hose Plug/ Nippel mit Schnellsteck - Schlauchtülle



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil →←←	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2
T060 FUF 10	6	10	6	9	42	24
T060 FUF 13	6	13	6	9	45	24
T090 FUF 10	9	10	9	13	43	24
T090 FUF 13	9	13	9	13	47	24
T190 FUF 13	13	13	13	19	60	28
T190 FUF 19	13	19	13	19	70	38

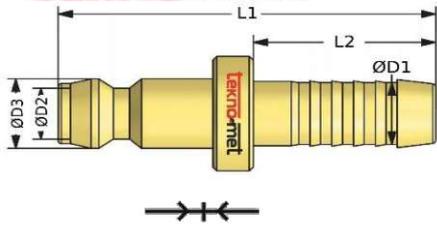


## T060-T090-T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

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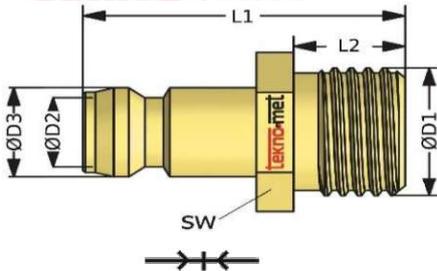
Standard Hose Tail Plug/ Nippel mit Standard - Schlauchülle



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil ↔↔↔	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2
T060 HUF 06	6	6	6	9	37	17
T060 HUF 08	6	8	6	9	37	17
T060 HUF 09	6	9	6	9	37	17
T060 HUF 10	6	10	6	9	37	17
T060 HUF 13	6	13	6	9	37	17
T090 HUF 09	9	9	9	13	39	23
T090 HUF 10	9	10	9	13	39	23
T090 HUF 13	9	13	9	13	39	23
T190 HUF 13	13	13	13	19	53	23
T190 HUF 16	13	16	13	19	55	25
T190 HUF 19	13	19	13	19	62	27

tekno-met

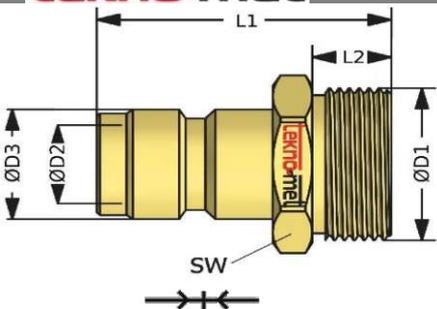
Cylindrical Male Thread Plug - T060 / Nippel mit Aussengewinde, Zylindrisch - T060



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil ↔↔↔	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
T060 EUF M08	5	M8x0,75	5	9	24	7	11
T060 EUF M10	6	M10x1	6	9	24	7	15
T060 EUF M1015	6	M10x1,5	6	9	26	9	15
T060 EUF 10	6	BSP 1/8	6	9	24	7	15
T060 EUF 13	6	BSP 1/4	6	9	26	9	15
T060 EUF M14	6	M14x1,5	6	9	26	9	15
T060 EUF 17	6	BSP 3/8	6	9	26	9	17
T060 EUF M16	6	M16x1,5	6	9	26	9	17

tekno-met

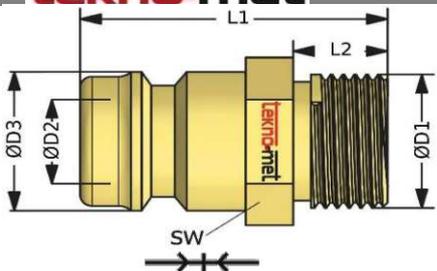
Cylindrical Male Thread Plug - T090 / Nippel mit Aussengewinde, Zylindrisch - T090



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil ↔↔↔	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
T090 EUF 10	9	BSP 1/8	9	13	24	7	15
T090 EUF M10	9	M10x1	9	13	24	7	15
T090 EUF M1015	9	M10x1,5	9	13	26	9	15
T090 EUF M12	9	M12x1,5	9	13	26	9	15
T090 EUF 13	9	BSP 1/4	9	13	26	9	15
T090 EUF M14	9	M14x1,5	9	13	26	9	15
T090 EUF M16	9	M16x1,5	9	13	26	9	17
T090 EUF 17	9	BSP 3/8	9	13	26	9	17
T090 EUF 21	9	BSP 1/2	9	13	26	9	22

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Cylindrical Male Thread Plug - T190 / Nippel mit Aussengewinde, Zylindrisch - T190



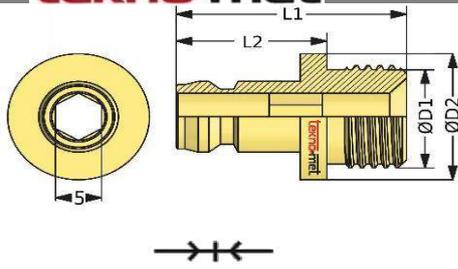
ORDER NO / BESTELL NR. Without Valve/Ohne Ventil ↔↔↔	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
T190 EUF 21	13	BSP 1/2	13	19	47	12	22
T190 EUF M24	13	M24x1,5	13	19	51	16	27
T190 EUF 26	13	BSP 3/4	13	19	51	16	27

## T060-T090-T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

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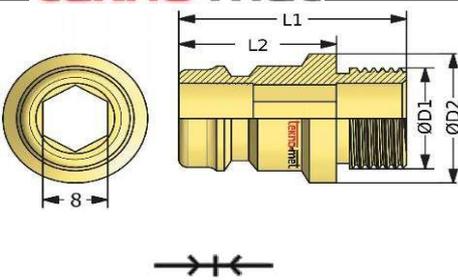
Inner Hexagonal Male Plug-T060 / Nippel mit Aussengewinde und Innenschkant-T060



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	SIZE GRÖÖBE	ØD1	ØD2	L1	L2	SW
T060 AUF M08	6	M8x0,75	6	24	16	5
T060 AUF M10	6	M10x1	6	24	16	5
T060 AUF 10	6	BSP 1/8	6	24	17	5
T060 AUF 13	6	BSP 1/4	6	26	17	5
T060 AUF M14	6	M14x1,5	6	27	18	5

tekno-met

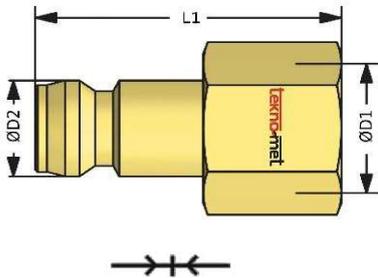
Inner Hexagonal Male Plug-T090 / Nippel mit Aussengewinde und Innenschkant-T090



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	SIZE GRÖÖBE	ØD1	ØD2	L1	L2	SW
T090 AUF 13	9	BSP 1/4	6	24	17	8
T090 AUF M14	9	M14x1,5	6	24	17	8
T090 AUF 17	9	BSP 3/8	6	24	17	8

tekno-met

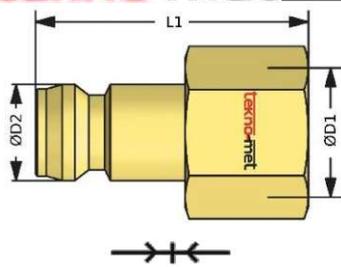
Female Thread Plug-T060 / Nippel mit Innengewinde-T060



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	SIZE GRÖÖBE	ØD1	ØD2	L1	SW
T060 DUF 10	6	BSP 1/8	9	25	14
T060 DUF 13	6	BSP 1/4	9	27	17
T060 DUF 17	6	BSP 3/8	9	27	19

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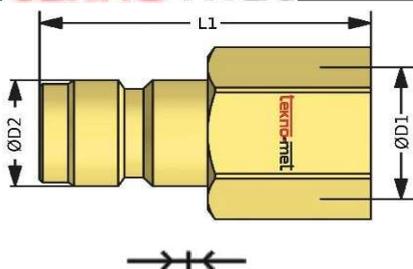
Female Thread Plug-T090 / Nippel mit Innengewinde-T090



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	SIZE GRÖÖBE	ØD1	ØD2	L1	SW
T090 DUF 13	9	BSP 1/4	13	26	17
T090 DUF 17	9	BSP 3/8	13	26	19
T090 DUF 21	9	BSP 1/2	13	28	24

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Female Thread Plug-T190 / Nippel mit Innengewinde-T190



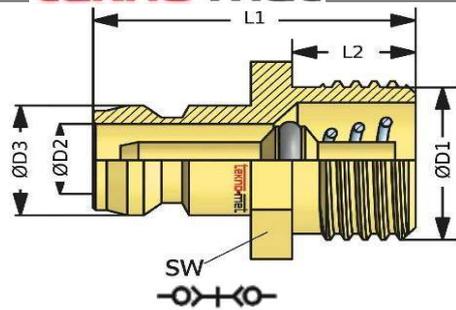
ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	SIZE GRÖÖBE	ØD1	ØD2	L1	SW
T190 DUF 21	13	BSP 1/2	19	46	24
T190 DUF 26	13	BSP 3/4	19	50	30

## T060-T090-T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

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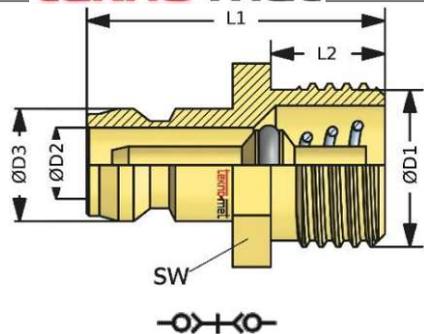
Male Thread Plug with Valve - T060 / Nippel mit Aussengewinde mit Ventil - T060



ORDER NO / BESTELL NR. With Valve/Mit Ventil -O+O-	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
T060 EUB 13	6	BSP 1/4	6	9	29	12	15
T060 EUB M14	6	M14x1,5	6	9	29	12	15
T060 EUB 17	6	BSP 3/8	6	9	29	12	17

tekno-met

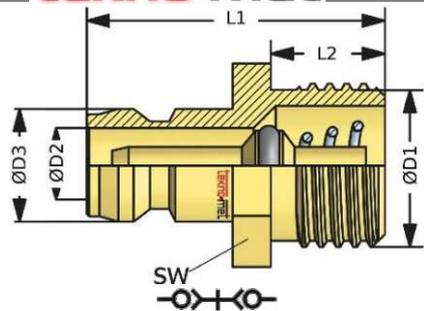
Male Thread Plug with Valve - T090 / Nippel mit Aussengewinde mit Ventil - T090



ORDER NO / BESTELL NR. With Valve/Mit Ventil -O+O-	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
T090 EUB 13	9	BSP 1/4	9	13	30	12	15
T090 EUB M14	9	M14x1,5	9	13	30	12	15
T090 EUB M16	9	M16x1,5	9	13	30	12	17
T090 EUB 17	9	BSP 3/8	9	13	30	12	17
T090 EUB 21	9	BSP 1/2	9	13	30	12	22

tekno-met

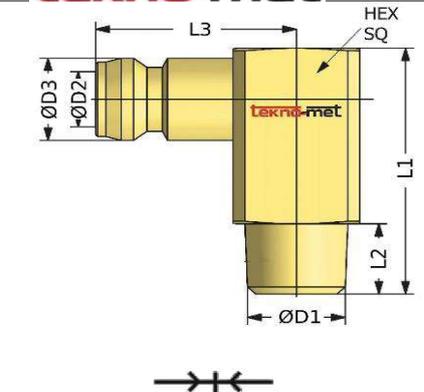
Male Thread Plug with Valve - T190 / Nippel mit Aussengewinde mit Ventil - T190



ORDER NO / BESTELL NR. With Valve/Mit Ventil -O+O-	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
T190 EUB 21	13	BSP 1/2	13	19	47	12	22
T190 EUB M24	13	M24x1,5	13	19	51	16	27
T190 EUB 26	13	BSP 3/4	13	19	51	16	27

tekno-met

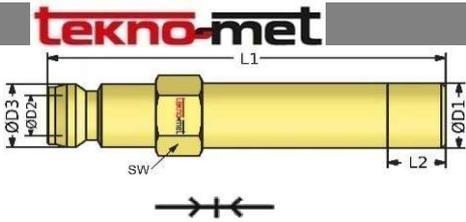
Male Thread Plug 90° / Nippel mit Aussengewinde 90° / Metric DIN 158 Conical DIN 2999



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil -+O-	SIZE GRÖßE	ØD1	ØD2	ØD3	L1	L2	SW
T060 EUF M08-90	5	M8x0,75	5	9	27	9	11
T060 EUF M10-90	6	M10x1	6	9	27	9	15
T060 RUF 10-90	6	BSPT 1/8	6	9	27	9	15
T060 RUF 13-90	6	BSPT 1/4	6	9	29	11	15
T060 EUF M14-90	6	M14x1,5	6	9	29	11	15
T060 RUF 17-90	6	BSPT 3/8	6	9	29	11	17
T090 RUF 13-90	9	BSPT 1/4	9	13	34	11	15
T090 EUF M14-90	9	M14x1,5	9	13	34	11	15
T090 EUF 13	9	BSPT 3/8	9	13	34	11	17
T090 EUF M14	13	BSPT 1/2	13	19	47	16	24
T090 EUF M16	13	M24x1,5	13	19	47	16	24

## T060-T090-T190 Series

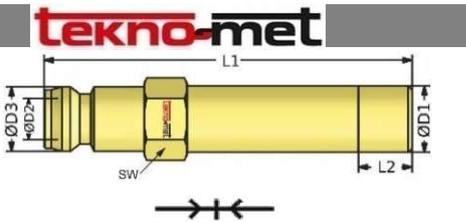
Couplings for Temperature Regulation / Kupplungen für Temperaturregelung



L: Legth (mm)  
L: Länge (mm)

Extension Plug with Thread-T060 / Verlängerunsnippel mit Gewinde-T060

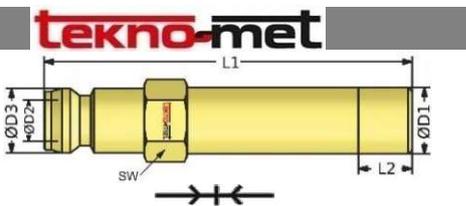
ORDER NO. / BESTELL NR. Without Valve/Ohne Ventil ↔↔↔	SIZE GRÖÖE	ØD1	ØD2	ØD3	L1	L2	SW
T060 EUF M08 x L	5	M8x0,75	5	9	L	7	11
T060 EUF M10 x L	6	M10x1	6	9	L	7	11
T060 EUF M1015 x L	6	M10x1,5	6	9	L	9	11
T060 EUF 10 x L	6	BSP 1/8	6	9	L	7	11
T060 EUF 13 x L	6	BSP 1/4	6	9	L	9	15
T060 EUF M14 x L	6	M14x1,5	6	9	L	9	15
T060 EUF 17 x L	6	BSP 3/8	6	9	L	9	17



L: Legth (mm)  
L: Länge (mm)

Extension Plug with Thread-T090 / Verlängerunsnippel mit Gewinde-T090

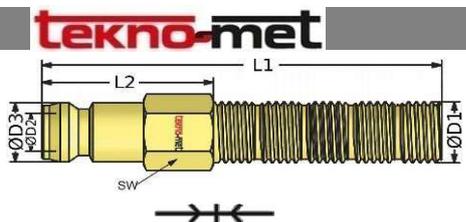
ORDER NO. / BESTELL NR. Without Valve/Ohne Ventil ↔↔↔	SIZE GRÖÖE	ØD1	ØD2	ØD3	L1	L2	SW
T090 EUF 10 x L	9	M8x0,75	9	13	L	7	15
T090 EUF M10 x L	9	M10x1	9	13	L	9	15
T090 EUF M1015 x L	9	M10x1,5	9	13	L	9	15
T090 EUF M12 x L	9	M12x1,5	9	13	L	9	15
T090 EUF 13 x L	9	BSP 1/4	9	13	L	9	15
T090 EUF M14 x L	9	M14x1,5	9	13	L	9	15
T090 EUF M16 x L	9	M16x1,5	9	13	L	9	17
T090 EUF 17 x L	9	BSP 3/8	9	13	L	9	17
T090 EUF 21 x L	9	BSP 1/2	9	13	L	12	22



L1: Length/Länge (mm)

Extension Plug with Thread-T190 / Verlängerunsnippel mit Gewinde-T190

ORDER NO. / BESTELL NR. Without Valve/Ohne Ventil ↔↔↔	SIZE GRÖÖE	ØD1	ØD2	ØD3	L1	L2	SW
T190 EUF 21 x L	13	BSP 1/2	13	19	L	12	22
T190 EUF M24 x L	13	M24x1,5	13	19	L	16	27
T190 EUF 26 x L	13	BSP 3/4	13	19	L	16	27

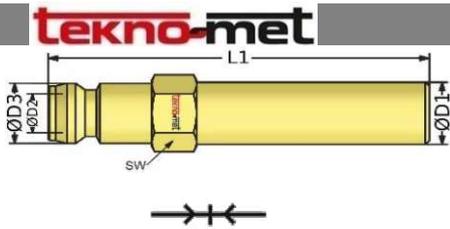


Extension Plug with Long Thread / Verlängerunsnippel mit Langer Gewinde

ORDER NO. / BESTELL NR. Without Valve/Ohne Ventil ↔↔↔	SIZE GRÖÖE	ØD1	ØD2	ØD3	L1	L2	SW
T060 BL M10 x 100	6	M10x1	6	9	100	40	11
T060 BL 10 x 100	6	BSP 1/8	6	9	100	40	11
T060 BL 13 x 100	6	BSP 1/4	6	9	100	40	15
T060 BL M14 x 100	6	M14x1,5	6	9	100	40	15
T060 BL 17 x 100	6	BSP 3/8	6	9	100	40	17
T090 BL M10 x 100	9	M10x1	9	13	100	40	15
T090 BL 10 x 100	9	BSP 1/8	9	13	100	40	15
T090 BL 13 x 100	9	BSP 1/4	9	13	100	40	15
T090 BL M14 x 100	9	M14x1,5	9	13	100	40	15
T090 BL M16 x 100	9	M16x1,5	9	13	100	40	17
T090 BL 17 x 100	9	BSP 3/8	9	13	100	40	17

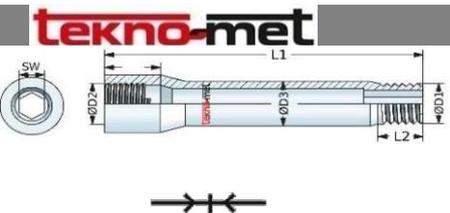
## T060-T090-T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung



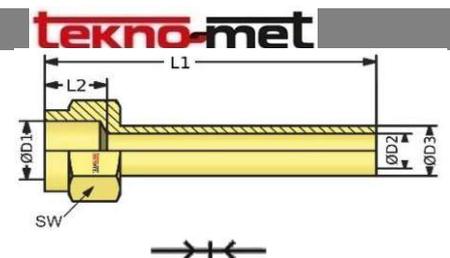
Extension Plug without Thread / Verlängerungsstück ohne Gewinde

ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	SIZE GRÖÖE	ØD1	ØD2	ØD3	L1	SW
T060 BN 63	6	8	6	9	63	11
T060 BN 100	6	8	6	9	100	11
T060 BN 120	6	10	6	9	120	11
T060 BN 240	6	10	6	9	240	11
T060 BN 360	6	10	6	9	360	11
T090 BN 100	9	10	9	13	100	15
T090 BN 120	9	10	9	13	120	15
T090 BN 150	9	10	9	13	150	15
T090 BN 300	9	10	9	13	300	15
T090 BN 450	9	10	9	13	450	15
T190 BN 500	13	10	13	19	500	22
T190 BN 800	13	10	13	19	800	22



Steel Extension Plug / Verlängerungsstück aus Stahl

ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	ØD1	ØD2	ØD3	L1	L2	L3	SW
TR 10 BU 50	BSPT 1/8	BSP 1/8	10	50	12	10	5
TR 10 BU 75	BSPT 1/8	BSP 1/8	10	75	12	10	5
TR 10 BU 100	BSPT 1/8	BSP 1/8	10	100	12	10	5
TR 10 BU 125	BSPT 1/8	BSP 1/8	10	125	12	10	5
TR 13 BU 50	BSPT 1/4	BSP 1/4	14	50	12	10	8
TR 13 BU 75	BSPT 1/4	BSP 1/4	14	75	12	10	8
TR 13 BU 100	BSPT 1/4	BSP 1/4	14	100	12	10	8
TR 13 BU 125	BSPT 1/4	BSP 1/4	14	125	12	10	8
TR 13 BU 150	BSPT 1/4	BSP 1/4	14	150	12	10	8
TN 10 BU 50	BSPT 1/8	BSP 1/8	10	50	12	10	5
TN 10 BU 75	BSPT 1/8	BSP 1/8	10	75	12	10	5
TN 10 BU 100	BSPT 1/8	BSP 1/8	10	100	12	10	5
TN 10 BU 125	BSPT 1/8	BSP 1/8	10	125	12	10	5
TN 13 BU 50	BSPT 1/4	BSP 1/4	14	50	12	10	8
TN 13 BU 75	BSPT 1/4	BSP 1/4	14	75	12	10	8
TN 13 BU 100	BSPT 1/4	BSP 1/4	14	100	12	10	8
TN 13 BU 125	BSPT 1/4	BSP 1/4	14	125	12	10	8
TN 13 BU 150	BSPT 1/4	BSP 1/4	14	150	12	10	8



Extended Tube Reduction / Verschlussstück-Verlängerung

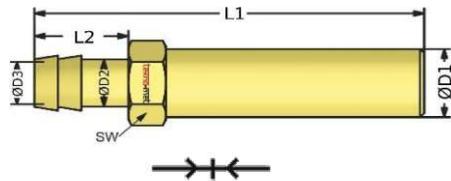
ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	ØD1	ØD2	ØD3	L1	L2	SW
TUN 14 120	M14x1,5	6	10	120	12	17
TUN 14 240	M14x1,5	6	10	240	12	17
TUN 16 150	M16x1,5	9	14	150	12	22
TUN 16 300	M16x1,5	9	14	300	12	22
TUN 24 500	M24x1,5	13	21	500	16	30
TUN 24 800	M24x1,5	13	21	800	16	30

## T060-T090-T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

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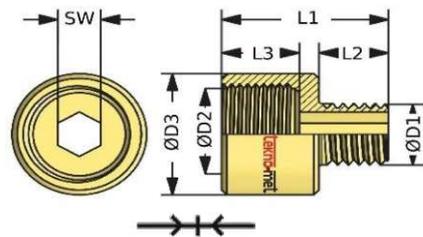
Extension Tube / Verlängerungstülle



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	ØD1	ØD2	ØD3	L1	L2	SW
TBHE 09 120	10	9	6	120	25	11
TBHE 09 240	10	9	6	240	25	11
TBHE 09 360	10	9	6	360	25	11
TBHE 13 150	14	13	9	150	33	15
TBHE 13 300	14	13	9	300	33	15
TBHE 13 450	14	13	9	450	33	15
TBHE 19 500	21	19	13	500	38	22

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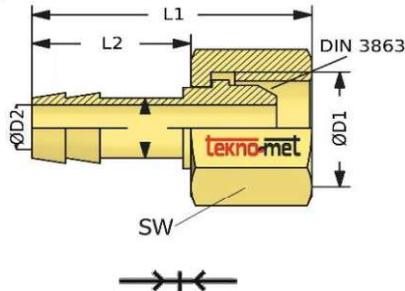
Cylindrical Reduction / Reduzernippel - Zylindrisch



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	ØD1	ØD2	ØD3	L1	L2	L3	SW
TBDM 14/10	M14x1,5	M10x1	17	22	7	12	6
TBDM 13/10	BSP 1/4	BSP 1/8	17	22	7	12	6
TBDM 16/14	M16x1,5	M14x1,5	20	24	9	12	8
TBDM 17/13	BSP 3/8	BSP 1/4	20	24	9	12	8

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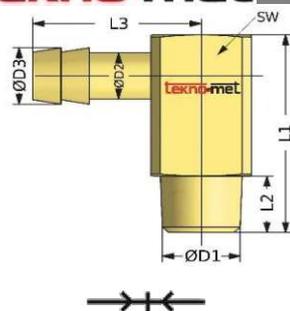
Hose Nipple - DIN 3863 / Schlauchtülle - DIN 3863



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	ØD1	ØD2	ØD3	L1	L2	SW
TSN 09 13	BSP 1/4	6	9	39	23,5	17
TSN 09 M14	M14x1,5	6	9	39	23,5	17
TSN 09 17	BSP 3/8	6	9	38,5	24,5	17
TSN 13 M16	M16x1,5	9	13	41	27	22
TSN 13 17	BSP 3/8	9	13	41	27	22
TSN 19 M24	M24x1,5	13	19	52	32	30
TSN 19 26	BSP 3/4	13	19	52	32	32

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Hose Nipple with Tapered Thread-90° / Schlauchtülle mit Kegelfgewinde-90° / DIN 158 DIN 2999



ORDER NO / BESTELL NR. Without Valve/Ohne Ventil	ØD2	ØD1	ØD3	L1	L2	L3	SW
TAHE 09 M08	6	M8x0,75	9	27	9	28	15
TAHE 09 M10	6	M10x1	9	27	9	28	15
TAHE 09 10	6	BSPT 1/8	9	27	9	28	15
TAHE 13 13	9	BSPT 1/4	13	34	11	32,5	17
TAHE 13 M14	9	M14x1,5	13	34	11	32,5	17
TAHE 19 21	13	BSPT 1/2	19	47	16	44	24
TAHE 19 M24	13	M24x1,5	19	47	16	44	24

### NBR O-RING

ORDER NO / BESTELL NR.	SERIE	Temp.
CG T060 N	T060	-20°C/100°C
CG T090 N	T090	-20°C/100°C
CG T190 N	T190	-20°C/100°C

### VITON O-RING

ORDER NO / BESTELL NR.	SERIE	Temp.
CG T060 V	T060	-10°C/200°C
CG T090 V	T090	-10°C/200°C
CG T190 V	T190	-10°C/200°C

### PUSH-PULL

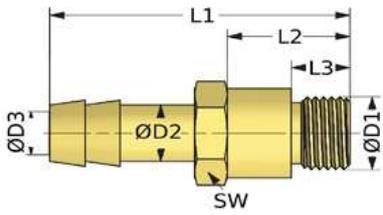
ORDER NO / BESTELL NR.	SERIE	D1-D2
SHF 10	T060-T06	12-22
SHF 13	T090-T09	15-24
SHF 19	T190-T19	21-32

## T060-T090-T190 Series

Couplings for Temperature Regulation / Kupplungen für Temperaturregelung

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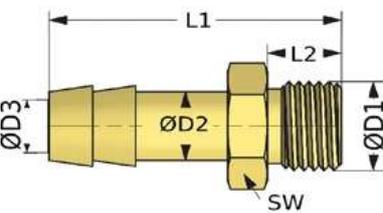
Hose Nipple / Schlauchtülle Nippel



ORDER NO / BESTELL NR.	ØD1	ØD2	ØD3	L1	L2	L3	SW
TUHE M10	M10x1	9	6	35	14	7	11
TUHE 10	BSP 1/8	9	6	35	14	7	11
TUHE M12	M12x1,5	9	8	37	18	10	14
TUHE M14	M14x1,5	13	9	47	16	9	15
TUHE 13	BSP 1/4	13	9	47	16	9	15
TUHE M24	M24x1,5	13	13	62	22	12	27
TUHE 21	BSP 1/2	19	13	62	22	12	22

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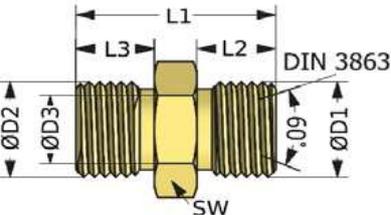
TSHE Nipple / TSHE Nippel



ORDER NO / BESTELL NR.	ØD1	ØD2	ØD3	L1	L2	SW
TSHE M8	M8x0,75	9	4,5	27	6	11
TSHE M10	M10x1	9	6	28	7	11
TSHE 10	BSP 1/8	9	6	28	7	11
TSHE M12	M12x1,5	13	9	38	9	15
TSHE 13	BSP 1/4	13	9	38	10	15
TSHE M14	M14x1,5	13	9	38	10	15
TSHE M16	M16x1,5	13	9	38	10	17
TSHE 17	BSP 3/8	13	9	38	10	17
TSHE M24	M24x1,5	19	13	49	16	27
TSHE 21	BSP 1/2	19	13	49	12	22
TSHE 26	BSP 3/4	19	13	49	16	27

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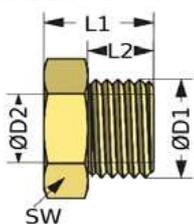
Double Nipple / Doppelt Nippel



ORDER NO / BESTELL NR.	ØD1	ØD2	ØD3	L1	L2	L3	SW
TDP 14/14	M14x1,5	M14x1,5	6	24	9	9	17
TDP 14/13	M14x1,5	BSP 1/4	6	24	9	9	15
TDP 13/13	BSP 1/4	BSP 1/4	6	23	9	9	19
TDP 16/16	M16x1,5	M16x1,5	9	24	9	9	17
TDP 16/17	M16x1,5	BSP 3/8	9	24	9	9	19
TDP 17/17	BSP 3/8	BSP 3/8	9	24	9	9	19
TDP 24/24	M24x1,5	M24x1,5	13	40	16	16	27
TDP 24/21	M24x1,5	BSP 1/2	13	36	16	16	25
TDP 21/21	BSP 1/2	BSP 1/2	13	30	12	12	22
TDP 26/26	BSP 3/4	BSP 3/4	13	40	16	16	27

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Reduction / Reduzierung



ORDER NO / BESTELL NR.	ØD1	ØD2	L1	L2	SW
TRD 14/10	M14x1,5	BSP 1/8	14	9	15
TRD 18/14	M18x1,5	M14x1,5	14	9	19
TRD 13/10	BSP 1/4	BSP 1/8	11	8	15
TRD 17/13	BSP 3/8	BSP 1/4	13	9	19
TRD 21/17	BSP 1/2	BSP 3/8	18	12	22
TRD 24/16	M24x1,5	M16x1,5	24	16	25
TRD 26/21	BSP 3/4	BSP 1/2	24	16	27