

# HIGH TEMPERATURE

LAGRA SYSTEMTECHNIK GMBH



HJT



<b>Ausführung</b> construction	Flexibler Hitzeschutzschlauch, Temperaturklasse C flexible heat-protective conduit, temperature class C
<b>Werkstoff</b> material	Glasfasergewebe / Silikon-gummi glass fibre braid / silicone rubber
<b>Temperatur</b> temperature	dauer/long-term +300°C kurzzeitig / short term +700°C Flüssigkeit / liquid +1600°C

Glasfasergewebe / Silikon-gummi  
lass fibre braid / silicone rubber



Eigenschaften  
properties

hochtemperaturbeständig - flexibel - zugfest - mechanisch belastbar - flüssigkeitsdicht - selbstverlöschend  
UV-beständig - flammwidrig - benzinbeständig - gute Ölbeständigkeit - gute Säurebeständigkeit - halogenfrei  
high temperature resistant - flexible - stretch resistant - resistant to mechanical stress - liquid tight - self extinguishing  
UV-resistant - flame retardant - petrol resistant - oil resistant - acid resistant - halogen free

Anwendungen  
application

- |                                    |   |                              |                                    |
|------------------------------------|---|------------------------------|------------------------------------|
| Maschinenbau<br>machine-building ✓ | Elektroinstallation<br>electro-installation ✓ | Fahrzeugbau<br>automotive ✓  | EMV-Anwendungen<br>EMC-application |
| Automation<br>automation ✓         | Bahn<br>railway ✓                             | Schiffsbau<br>shipbuilding ✓ | EX-Anwendungen<br>EX-application   |

art. Nr.  
art. no.

Schlauch  
conduit NW

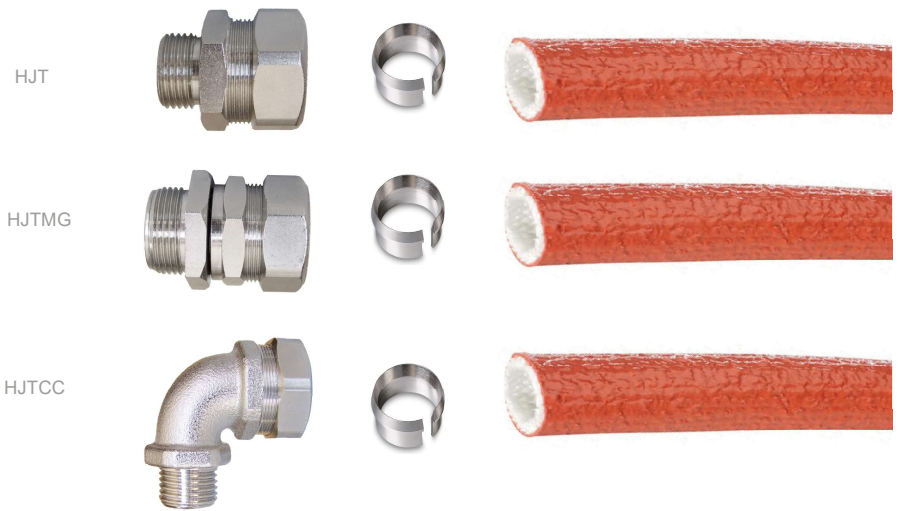
VPE  
unit

HJT10	10	40m
HJT15	15	40m
HJT20	20	40m
HJT22	22	40m
HJT25	25	40m
HJT30	30	40m
HJT35	35	40m
HJT40	40	40m
HJT50	50	25m
HJT60	60	25m
HJT75	75	25m
HJT100	100	25m



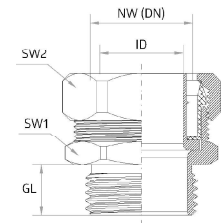
# HJT-M

<b>Ausführung</b> construction	Metrisch metric
<b>Werkstoff</b> material	Messing vernickelt nickel-plated brass
<b>Temperatur</b> temperature	-50°C - +300°C
<b>Schutzart</b> protection	IP 54
<b>Gemäß</b> according to	IEC EN 61386



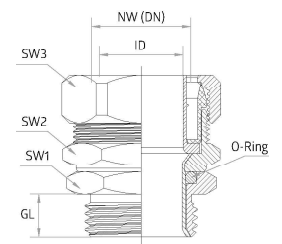
## starr / rigid

Art. Nr. art. no.	Gewinde thread	Schlauch NW conduit DN	ID mm	SW1 mm	SW2 mm	GL mm	VPE Stk. unit pcs.
HJT10M16	M16	10	10,5	24	26	10	20
HJT10M20	M20	10	10,5	24	26	10	20
HJT12M16	M16	12	10,5	24	26	10	20
HJT12M20	M20	12	10,5	24	26	10	20
HJT15M20	M20	15	13,8	28	30	10	20
HJT15M25	M25	15	13,8	28	30	10	20
HJT2022M25	M25	20-22	18,5	35	38	12	10
HJT25M32	M32	27	25,0	42	45	12	10
HJT3XM40	M40	30-32-33-35	33,0	50	53	12	5
HJT40M50	M50	40	37,5	58	61	13	5
HJT50M63	M63	50	48,0	70	74	16	2



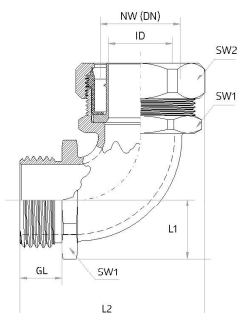
## drehbar / swivelling

Art. Nr. art. no.	Gewinde thread	Schlauch NW conduit DN	ID mm	SW1 mm	SW2 mm	SW3 mm	GL mm	VPE Stk. unit pcs.
HJTMG10M16	M16	10	10,5	19	24	26	9	20
HJTMG10M20	M20	10	10,5	24	24	26	9	20
HJTMG12M16	M16	12	10,5	19	24	26	9	20
HJTMG12M20	M20	12	10,5	24	24	26	9	20
HJTMG15M20	M20	15	13,8	24	28	30	9	20
HJT15M25	M25	15	13,8	30	28	30	10	20
HJT2022M25	M25	20-22	18,5	30	35	28	10	10
HJT25M32	M32	27	25,0	38	42	45	13	10
HJT3XM40	M40	30-32-33-35	33,0	45	50	53	18	5
HJT40M50	M50	40	37,5	52	58	61	20	5
HJT50M63	M63	50	48,0	64	70	74	24	2



## 90°

Art. Nr. art. no.	Gewinde thread	Schlauch NW conduit DN	ID mm	SW1 mm	SW2 mm	GL mm	L1 mm	VPE Stk. unit pcs.
HJTCC10M16	M16	10	10,5	26	26	12	14	20
HJTCC10M20	M20	10	10,5	26	26	12	14	20
HJTCC12M16	M16	12	10,5	26	26	12	14	20
HJTCC12M20	M20	12	10,5	26	26	12	14	20
HJTCC15M20	M20	15	13,8	28	28	12	14	20
HJTCC2022M25	M25	20-22	18,5	35	38	13	19,5	10
HJTCC25M32	M32	25	25,0	42	45	16	23,5	10



## HJT-Band



<b>Ausführung</b> construction	Band tape
<b>Werkstoff</b> material	Calcium-Silikat / Silikon-Beschichtung calcium-silikate / silicone coating
<b>Temperatur</b> temperature	dauer/long-term +300°C kurzzeitig / short term +700°C Flüssigkeit / liquid +1600°C

Eigenschaften  
properties

HJT-Band aus Calcium-Silikat mit roter Silikon-Beschichtung und geschnittenen Kanten zum nachträglichen Wickeln.  
HJT-Band made of calcium-silicate with red silicone coating and cutted edges for subsequent wrapping.

Art. Nr. art. no.	Schlauch conduit NW	VPE unit
HJT25BAND	10	10m
HJT50BAND	50	10m
HJT75BAND	75	10m
HJT100BAND	100	10m

Auf Anfrage ✓  
on request



Auf Anfrage ✓  
on request

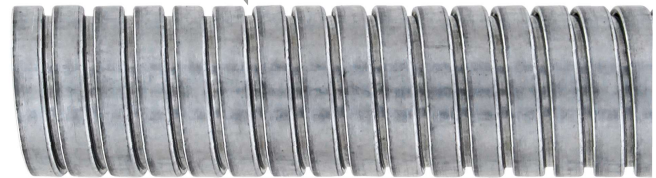


# NZ - NZX



<b>Ausführung</b> construction	Metallschlauch, einfach verklammert metal conduit, single seam	
<b>Werkstoff</b> material	Stahl verzinkt (NZ) Edelstahl 1.4301 (NZX) galvanised steel (NZ) stainl. steel AISI 304 (NZX)	
<b>Temperatur</b> temperature	-60°C - +250°C (NZ) -60°C - +600°C (NZX)	
<b>Schutzart</b> protection	IP50	
<b>gemäß</b> according to	IEC EN 61386	
<b>Passende Verschraubungen</b> suitable fittings <b>Hauptkatalog</b> main catalogue	NMF NMG SVMF SVMG	45 66 54 66

Metallschlauch aus verzinktem Stahl (NZ),  
Edelstahl (NZX), einfach verklammert  
metal conduit made of galvanised steel (NZ),  
stainless steel (NZX), single seam



**Eigenschaften**  
properties

**flexibel - zugfest - hohe Scheiteldruckfestigkeit - hohe Schlagfestigkeit - Korrosionsschutz ( NZX )**  
flexible - stretch resistant - high compressive strength - high impact strength - stainless steel ( NZX )

**Anwendungen**  
application

**Maschinenbau**  
machine-building ✓  
**Automation**  
automation ✓

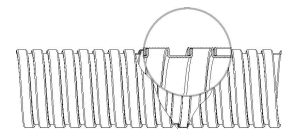
**Elektroinstallation**  
electro-installation ✓  
**Bahn**  
railway ✓

**Fahrzeugbau**  
automotive ✓  
**Schiffsbau**  
shipbuilding ✓

**EMV-Anwendungen**  
EMC-application  
**EX-Anwendungen**  
EX-application ✓

Art. Nr. art. no.	Art. Nr. art. no.	NW DN	ID mm	AD mm OD mm	Biegeradius mm bending radius mm +/- 15 %	VPE unit
NZ07	NZX07	7	7,0	9,0	16	100m
NZ08	NZX08	8	8,0	11,0	16	50m
NZ09	NZX09	9	9,0	11,5	18	50m
NZ10	NZX10	10	10,0	13,0	19	50m
NZ11	NZX11	11	11,0	14,0	20	50m
NZ12	NZX12	12	12,0	15,0	22	50m
NZ13	NZX13	13	13,0	16,0	24	50m
NZ14	NZX14	14	14,0	17,0	25	50m
NZ15	NZX15	15	15,5	18,5	27	50m
NZ17	NZX17	17	17,0	19,0	30	50m
NZ18	NZX18	18	18,0	21,5	30	50m
NZ20	NZX20	20	20,5	24,0	33	50m
NZ21	NZX21	21	21,0	24,5	35	50m
NZ25	NZX25	25	25,0	28,5	41	50m
NZ27	NZX27	27	26,5	30,0	43	50m
NZ28	NZX28	28	28,0	31,5	45	50m
NZ30	NZX30	30	30,0	33,5	49	25m
NZ35	NZX35	35	35,0	39,5	127	25m
NZ37	NZX37	37	37,0	41,3	134	25m
NZ40	NZX40	40	40,0	44,3	144	25m
NZ45	NZX45	45	45,0	49,3	161	25m
NZ50	NZX50	50	50,5	54,8	178	25m

**Einfache Verklammerung**  
single seam

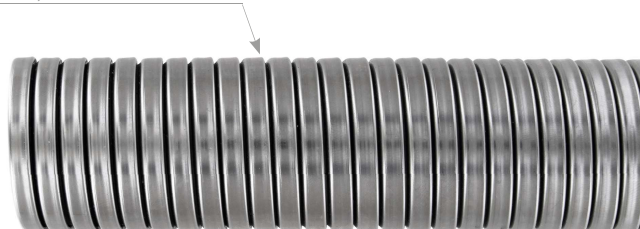


## DAN - NDX



<b>Ausführung</b> construction	Metallschlauch, doppelt verklammert metal conduit, double seam	
<b>Werkstoff</b> material	Stahl verzinkt (DAN) Edelst. 1.4301 (NDX) galvanised steel (DAN) stainl. AISI 304 (NDX)	
<b>Temperatur</b> temperature	-60°C - +250°C (DAN) -60°C - +600°C (NDX)	
<b>Schutzart</b> protection	IP50	
<b>gemäß</b> according to	IEC EN 61386	
<b>Passende Verschraubungen</b> suitable fittings <b>Hauptkatalog</b> main catalogue	NMF NMG SVMF SVMG	45 66 54 66

Metallschlauch aus verzinktem Stahl (DAN), Agraffprofil  
Edelstahl (NDX), doppelt verklammert  
metal conduit made of galvanised steel (DAN), agraff profile  
stainless steel (NDX), double seam

Eigenschaften  
properties

flexibel - zugfest - hohe Scheiteldruckfestigkeit - hohe Schlagfestigkeit - Korrosionsschutz (NDX) - Agraff Profil  
flexible - stretch resistant - high compressive strength - high impact strength - stainless steel (NDX) - agraff profile

Anwendungen  
application

Maschinenbau  
machine-building ✓

Elektroinstallation  
electro-installation ✓

Fahrzeugbau  
automotive ✓

EMV-Anwendungen  
EMC-application

Automation  
automation ✓

Bahn  
railway ✓

Schiffsbau  
shipbuilding ✓

EX-Anwendungen  
EX-application ✓

Art. Nr. art. no.	Art. Nr. art. no.	NW DN	ID mm	AD mm OD mm	Biegeradius mm bending radius mm +/- 15 %	VPE unit
DAN010	NDX10	10	10,0	13,0	35	50m
DAN012	NDX12	12	12,0	15,0	40	50m
DAN013	NDX13	13	13,0	16,0	44	50m
DAN015	NDX15	15	15,5	18,5	51	50m
DAN018	NDX18	18	18,0	21,0	78	50m
DAN020	NDX20	20	20,5	24,1	88	50m
DAN025	NDX25	25	25,0	28,0	107	50m
DAN027	NDX27	27	26,5	29,5	113	50m
DAN033	NDX33	33	33,0	36,6	105	25m
DAN035	NDX35	35	35,0	38,6	110	25m
DAN040	NDX40	40	40,0	43,6	126	25m
DAN050	NDX50	50	50,5	54,1	157	25m
DAN065	NDX65	65	65,0	70,0	259	25m
DAN075	NDX75	75	75,0	80,0	298	25m
DAN100	NDX100	100	100,0	105,0	393	25m

Doppelte Verklammerung  
double seam



# LHJT



<b>Ausführung</b> construction	Metallschlauch, einfach verklammert, PVC-Ummantelung, Hochtemperatur-Schutzschlauch metal conduit, single seam, PVC-cover, high temperature protective hose	
<b>Werkstoff</b> material	Stahl verzinkt / PVC / Silikon-Elastomer-Glasfasergewebe galv. steel / PVC / silicone-elastomer-fibre glass	
<b>Temperatur</b> temperature	-60°C - +260°C	
<b>Schutzart</b> protection	IP68	
<b>gemäß</b> according to	IEC EN 61386	
<b>Passende Verschraubungen</b> suitable fittings Hauptkatalog main catalogue	NMFHJT	44

Metallschlauch aus verzinktem Stahl, einfach verklammert  
metal conduit made of galvanised steel, single seam

Hochtemperatur - Überzug  
high temperature cover



dicker und robuster PVC Mantel  
thick and robust PVC cover

**Eigenschaften**  
properties

flexibel - zugfest - hohe Scheiteldruckfestigkeit - flüssigkeitsdicht - selbstverlöschend - UV-beständig - halogenfrei  
flammwidrig - benzinbeständig - gute Ölbeständigkeit - gute Säurebeständigkeit - sehr hohe Temperaturen  
flexible - stretch resistant - high compressive strength - liquid tight - self extinguishing - UV-resistant - free of halogene  
flame retardant petrol resistant - oil resistant - acid resistant - very high temperature

**Anwendungen**  
application

**Maschinenbau**  
machine-building ✓  
**Automation**  
automation ✓

**Elektroinstallation**  
electro-installation ✓  
**Bahn**  
Railway ✓

**Fahrzeugbau**  
automotive ✓  
**Schiffsbau**  
shipbuilding ✓

**EMV-Anwendungen**  
EMC-application  
**EX-Anwendungen**  
EX-application

Art. Nr. art. no.	Art. Nr. art. no.	NW DN	ID mm	AD mm OD mm	Biegeradius mm bending radius mm +/- 15 %	VPE unit
LHJT10	-	10	10,0	a.A.	-	10m
LHJT12	-	12	12,0	a.A.	-	10m
LHJT15	-	15	15,5	a.A.	-	10m
LHJT20	-	20	20,5	a.A.	-	10m
LHJT27	-	27	26,5	a.A.	-	10m
LHJT35	-	35	35,0	a.A.	-	5m
LHJT40	-	40	40,0	a.A.	-	5m
LHJT50	-	50	50,5	a.A.	-	5m

Einfache Verklammerung  
single seam

