



### Metallic conduits with liquid-tight cover

#### • LTS Galvanised Steel Conduit, PVC Cover

Flexible galvanised steel conduit with smooth, liquid-tight pvc cover. Fulfills IP66, IP67 and IP68 with LTS-fittings.

#### Features and Benefits

- Liquid-tight (IP68 with LTS fittings)
- High compression strength
- High tensile strength
- High impact strength
- Good flexibility
- Smooth outer cover
- Cover does not wrinkle when bent
- Resistant to oils and greases
- Good resistance to petrol
- Resistant to acids
- UV resistant (black), suitable for outdoor use
- Colour: black; grey on request

#### Application

Machine tools or outdoor installations, wherever liquid-tight (IP68) is a requirement.



HelaGuard LTS galvanised steel conduit with a smooth, liquid-tight PVC cover is ideal for outdoor installations.



HelaGuard LTS.

Material Data	
Material	Galvanised Steel (GS), Polyvinylchloride (PVC)
Operating Temperature	-20 °C to +105 °C



#### Technical Table

Article-No.	Type	Nominal Ø	US Trade Size	Outside Ø	Inside Ø	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-31900	LTS10	10	1/4 Inch	11.8	7.0	35	185	50	Black (BK)
166-31901	LTS12	12	5/16 Inch	14.2	10.0	40	203	25	Black (BK)
166-31902	LTS16	16	3/8 Inch	17.8	12.6	45	311	25	Black (BK)
166-31903	LTS20	20	1/2 Inch	21.1	16.0	65	407	25	Black (BK)
166-31904	LTS25	25	3/4 Inch	26.4	21.1	100	503	25	Black (BK)
166-31905	LTS32	32	1 Inch	33.1	26.5	135	732	25	Black (BK)
166-31906	LTS40	40	1 1/4 Inch	41.8	35.4	175	885	25	Black (BK)
166-31907	LTS50	50	1 1/2 Inch	47.9	40.4	230	1240	25	Black (BK)
166-31908	LTS63	63	2 Inch	59.7	51.6	280	1470	10	Black (BK)

All dimensions in mm. Subject to technical changes.

Colour grey and other reel lengths available on request.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



# HelaGuard Metallic Conduits with Liquid-Tight Cover and Fittings

## Metallic conduits with liquid-tight cover

### • LTSH Galvanised Steel Conduit, Thermoplastic Cover

Flexible galvanised steel conduit with smooth, flame retardant thermoplastic cover.

Fulfills IP66, IP67 and IP68 with LTS-fittings.

### Features and Benefits

- Liquid-tight (IP68 with LTS fittings)
- Flame retardant
- High temperature resistance
- High compression strength
- High tensile strength
- High impact strength
- Good flexibility
- Smooth outer cover
- Cover does not wrinkle when bent
- Resistant to oils and greases
- Good resistance to petrol
- Good resistance to acids
- UV resistant and suitable for outdoor use
- Colour: black

### Application

Machine tools or outdoor installations wherever flame retardance or low or high temperature resistance is required.



HelaGuard LTSH galvanised steel conduit with a smooth, liquid-tight thermoplastic rubber cover offers very good resistance to oils, greases, petrol, acids and UV.



HelaGuard LTSH.

Material Data	
Material	Galvanised Steel (GS), Thermoplastic Rubber (TPR)
Operating Temperature	-45 °C to +135 °C



Technical Table

Article-No.	Type	Nominal Ø	US Trade Size	Outside Ø	Inside Ø	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-32001	LTSH12	12	5/16 Inch	14.2	10.0	40	203	25	Black (BK)
166-32002	LTSH16	16	3/8 Inch	17.8	12.6	45	311	25	Black (BK)
166-32003	LTSH20	20	1/2 Inch	21.1	16.0	65	407	25	Black (BK)
166-32004	LTSH25	25	3/4 Inch	26.4	21.1	100	445	25	Black (BK)
166-32005	LTSH32	32	1 Inch	33.1	26.5	135	666	25	Black (BK)
166-32006	LTSH40	40	1 1/4 Inch	41.8	35.4	175	793	10	Black (BK)
166-32007	LTSH50	50	1 1/2 Inch	47.9	40.4	230	1071	10	Black (BK)

All dimensions in mm. Subject to technical changes.

Other reel length available on request.



### Metallic conduits with liquid-tight cover

- **LTSUL, Galvanised Steel Conduit, PVC Cover, UL Listed**

Flexible galvanised steel conduit including copper bonding strip (up to 32mm) with smooth, oil resistant PVC cover. Fulfils IP66, IP67 and IP68 with LTS-fittings.

#### Features and Benefits

- UL listed and CSA approved
- Liquid-tight (IP68 with LTS fittings)
- High compression strength
- High tensile strength
- High impact strength
- Good flexibility
- Smooth outer cover
- Cover does not wrinkle when bent
- Good resistance to oils and greases
- Good resistance to petrol
- UV resistant (black) and suitable for external use
- Colour: black

#### Application

Machine tools or outdoor installations, liquid-tight applications where UL listing is required.



The HelaGuard LTSUL galvanised steel conduit with a PVC Cover is UL listed and typically used on drilling platforms.



HelaGuard LTSUL.

Material Data	
Material	<b>Galvanised Steel (GS), Polyvinylchloride (PVC), Copper (CU)</b>
Operating Temperature	<b>-15 °C to +75 °C</b>



#### Technical Table

Article-No.	Type	Nominal Ø	US Trade Size	Outside Ø	Inside Ø	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-32100	<b>LTSUL16</b>	16	3/8 Inch	17.8	12.6	50	432	50	Black (BK)
166-32101	<b>LTSUL20</b>	20	1/2 Inch	21.1	16.0	90	477	25	Black (BK)
166-32102	<b>LTSUL25</b>	25	3/4 Inch	26.4	21.1	110	789	25	Black (BK)
166-32103	<b>LTSUL32</b>	32	1 Inch	33.1	26.5	140	1221	15	Black (BK)
166-32104	<b>LTSUL40</b>	40	1 1/4 Inch	41.8	35.4	180	1519	15	Black (BK)
166-32105	<b>LTSUL50</b>	50	1 1/2 Inch	47.9	40.4	230	1846	15	Black (BK)
166-32106	<b>LTSUL63</b>	63	2 Inch	59.7	51.6	280	2159	15	Black (BK)

All dimensions in mm. Subject to technical changes.

Other reel length available on request.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.



# HelaGuard Metallic Conduits with Liquid-Tight Cover and Fittings

## Fittings for metallic conduits with liquid-tight cover

### • LTS-FMC Fixed Thread Compression Fitting, IP68

External thread, nickel plated brass.  
Fulfil IP66, IP67, IP68 and IP69k.

#### Features and Benefits

- Multipart compression fitting including polyamide seal
- Can be used for knockout or threaded entries as fitting rotates until tightened



HelaGuard LTS-FMC Compression Fitting.

Technical Table

Article-No.	Type	Nominal Ø	Thread Size (metric)	Thread Size (PG)	Pack Cont.
166-32200	LTS10-FMC-M12	63	M12	–	10
166-32201	LTS10-FMC-M16	10	M16	–	10
166-32203	LTS12-FMC-M16	12	M16	–	10
166-32204	LTS16-FMC-M16	16	M16	–	10
166-32212	LTS16-FMC-PG11	16	–	PG11	10
166-32205	LTS16-FMC-M20	16	M20	–	10
166-32206	LTS20-FMC-M20	20	M20	–	10
166-32213	LTS20-FMC-PG16	20	–	PG16	10
166-32207	LTS25-FMC-M25	25	M25	–	10
166-32214	LTS25-FMC-PG21	25	–	PG21	10
166-32208	LTS32-FMC-M32	32	M32	–	2
166-32215	LTS32-FMC-PG29	32	–	PG29	2
166-32209	LTS40-FMC-M40	40	M40	–	1
166-32210	LTS50-FMC-M50	50	M50	–	1
166-32211	LTS63-FMC-M63	63	M63	–	1

All dimensions in mm. Subject to technical changes.

Material Data

Material	Nickel Plated Brass (NPB), Polyamide 6 (PA6)
Colour	Metal (ML)
Operating Temperature	-40 °C to +135 °C



### • LTS-SMC Swivel Thread Compression Fitting, IP68

External thread, nickel plated brass.  
Fulfil IP66, IP67, IP68 and IP69k.

#### Features and Benefits

- Multipart compression fitting including elastomeric seal
- The external thread swivels about the main body even after tightening



HelaGuard LTS-SMC Swivel Compression Fitting.

Technical Table

Article-No.	Type	Nominal Ø	Thread Size (metric)	Pack Cont.
166-32300	LTS12-SMC-M16	12	M16	10
166-32301	LTS16-SMC-M16	16	M16	10
166-32302	LTS16-SMC-M20	16	M20	10
166-32303	LTS20-SMC-M20	20	M20	10
166-32304	LTS25-SMC-M25	25	M25	10
166-32305	LTS32-SMC-M32	32	M32	2

All dimensions in mm. Subject to technical changes.

Material Data

Material	Nickel Plated Brass (NPB), Polyamide 6 (PA6)
Colour	Metal (ML)
Operating Temperature	-40 °C to +135 °C





### Fittings for metallic conduits with liquid-tight cover

- **LTS-90FMC 90° Elbow compression fitting, IP68**

External thread, nickel plated brass.  
Fulfils IP66, IP67, IP68 and IP69k.

#### Features and Benefits

- 90° elbow multipart compression fitting including polyamide seal



HelaGuard LTS-90FMC 90° Elbow Compression Fitting.

Technical Table

Article-No.	Type	Nominal Ø	Thread Size (metric)	Pack Cont.
166-32400	LTS12-90FMC-M16	12	M16	10
166-32401	LTS16-90FMC-M16	16	M16	10
166-32402	LTS16-90FMC-M20	16	M20	10
166-32403	LTS20-90FMC-M20	20	M20	10
166-32404	LTS25-90FMC-M25	25	M25	10
166-32405	LTS32-90FMC-M32	32	M32	2
166-32406	LTS40-90FMC-M40	40	M40	1
166-32407	LTS50-90FMC-M50	50	M50	1
166-32408	LTS63-90FMC-M63	63	M63	1

All dimensions in mm. Subject to technical changes.

Material Data

Material	Nickel Plated Brass (NPB), Polyamide 6 (PA6)
Colour	Metal (ML)
Operating Temperature	-40 °C to +135 °C



- **LTS-45FMC 45° Elbow Compression Fitting, IP68**

External thread, nickel plated brass.  
Fulfils IP66, IP67, IP68 and IP69k.

#### Features and Benefits

- 45° elbow multipart compression fitting including polyamide seal



HelaGuard LTS-45FMC 45° Elbow Compression Fitting.

Technical Table

Article-No.	Type	Nominal Ø	Thread Size (metric)	Pack Cont.
166-32500	LTS16-45FMC-M20	16	M20	10
166-32501	LTS20-45FMC-M20	20	M20	10
166-32502	LTS25-45FMC-M25	25	M25	10
166-32503	LTS32-45FMC-M32	32	M32	2
166-32504	LTS40-45FMC-M40	40	M40	1
166-32505	LTS50-45FMC-M50	50	M50	1
166-32506	LTS63-45FMC-M63	63	M63	1

All dimensions in mm. Subject to technical changes.





# HelaGuard Metallic Conduits with Liquid-Tight Cover and Fittings

## Fittings for metallic conduits with liquid-tight cover

### • LTS-LTS Compression Coupler, IP68

Nickel plated brass.  
Fulfils IP66, IP67 and IP68.

#### Features and Benefits

- Multipart compression coupler including polyamide seals
- Joins two conduits



HelaGuard LTS-LTS Compression Coupler.

Technical Table

Article-No.	Type	Nominal Ø	Pack Cont.
166-32600	LTS20-LTS20	20	10
166-32601	LTS25-LTS25	25	10

All dimensions in mm. Subject to technical changes.

Material Data

Material	<b>Nickel Plated Brass (NPB), Polyamide 6 (PA6)</b>
Colour	<b>Metal (ML)</b>
Operating Temperature	<b>-40 °C to +135 °C</b>



### • LTS-SCG Straight cable gland fitting, IP68

External thread, nickel plated brass.  
Fulfils IP66, IP67, IP68 and IP69k.

#### Features and Benefits

- Multipart compression fitting including elastomeric seal
- Strain relief
- Cable seal at IP68 and IP69k



LTS-SCG Compression Fitting with Strain Relief and Cable Seal.

Technical Table

Article-No.	Type	Nominal Ø	Thread Size (metric)	Suitable for Cable Ø from/to	Pack Cont.
166-36201	LTS16-SCG-M16	16	M16	4.5 - 10	10
166-36202	LTS20-SCG-M20	20	M20	7 - 13	10
166-36203	LTS25-SCG-M25	25	M25	9 - 17	10
166-36204	LTS32-SCG-M32	32	M32	11 - 21	2

All dimensions in mm. Subject to technical changes.

Material Data

Material	<b>Polyamide 6.6 (PA66), Nickel Plated Brass (NPB), Thermoplastic Elastomer (TPE)</b>
Colour	<b>Metal (ML)</b>
Operating Temperature	<b>-40 °C to +135 °C</b>





- **LTS-EI End**

Nickel plated brass.

**Features and Benefits**

- Single part
- Caps end of conduit

Technical Table

Article-No.	Type	Nominal Ø	Pack Cont.
166-32700	<b>LTS10-EI</b>	10	10
166-32701	<b>LTS12-EI</b>	12	10
166-32702	<b>LTS16-EI</b>	16	10
166-32703	<b>LTS20-EI</b>	20	10
166-32704	<b>LTS25-EI</b>	25	10
166-32705	<b>LTS32-EI</b>	32	2
166-32706	<b>LTS40-EI</b>	40	1
166-32707	<b>LTS50-EI</b>	50	1
166-32708	<b>LTS63-EI</b>	63	1

All dimensions in mm. Subject to technical changes.



HelaGuard LTS-EI End Insert.

Material Data

Material	<b>Nickel Plated Brass (NPB)</b>
Colour	<b>Metal (ML)</b>
Operating Temperature	<b>-100 °C to +300 °C</b>

