

HelaGuard Steel Conduits with Liquid-Tight Cover and Fittings

**HelaGuard
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



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

Application

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



HelaGuard LTS.

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



Technical Table

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

All dimensions in mm. Subject to technical changes.

Other reel length available on request.

**HelaGuard
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	Outside Ø (OD)	Ø D	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-32001	LTSH12	12	14.2	10.0	40	203	25	Black (BK)
166-32002	LTSH16	16	17.8	12.6	45	311	25	Black (BK)
166-32003	LTSH20	20	21.1	16.0	65	407	25	Black (BK)
166-32004	LTSH25	25	26.4	21.1	100	445	25	Black (BK)
166-32005	LTSH32	32	33.1	26.5	135	666	25	Black (BK)
166-32006	LTSH40	40	41.8	35.4	175	793	25	Black (BK)
166-32007	LTSH50	50	47.9	40.4	230	1071	25	Black (BK)

All dimensions in mm. Subject to technical changes.

Other reel length available on request.

HelaGuard Steel Conduits with Liquid-Tight Cover and Fittings

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

Flexible galvanised steel conduit including copper bonding strip (up to 32 mm) 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	Galvanised Steel (GS), Polyvinylchloride (PVC), Copper (CU)
Operating Temperature	-15 °C to +75 °C



Technical Table

Article-No.	Type	Nominal Ø	Outside Ø (OD)	Ø D	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-32100	LTSUL16	16	17.8	12.6	50	432	50	Black (BK)
166-32101	LTSUL20	20	21.1	16.0	90	477	25	Black (BK)
166-32102	LTSUL25	25	26.4	21.1	110	789	25	Black (BK)
166-32103	LTSUL32	32	33.1	26.5	140	1221	15	Black (BK)
166-32104	LTSUL40	40	41.8	35.4	180	1519	15	Black (BK)
166-32105	LTSUL50	50	47.9	40.4	230	1846	15	Black (BK)
166-32106	LTSUL63	63	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 for Product Specific Approvals please refer to the Appendix

HelaGuard LTS-FMC Compression Fitting, IP68

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

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	Conduit Ø	Thread Size (metric)	Thread Size (PG)	Pack Cont.
166-32200	LTS10-FMC-M12	10	M12	–	10
166-32201	LTS10-FMC-M16	10	M16	–	10
166-32202	LTS12-FMC-M12	12	M12	–	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



HelaGuard LTS-SMC Swivel Compression Fitting, IP68

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

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	Conduit 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



**HelaGuard
LTS-90FMC 90° Elbow
Compression Fitting, IP68**

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

Features and Benefits

- 90° elbow multipart compression fitting including polyamide seal



HelaGuard LTS-90FMC 90° Elbow Compression Fitting.

Technical Table

Article-No.	Type	Conduit 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



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

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

Features and Benefits

- 45° elbow multipart compression fitting including polyamide seal



HelaGuard LTS-45FMC 45° Elbow Compression Fitting.

Technical Table

Article-No.	Type	Conduit 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
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

Technical Table

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

All dimensions in mm. Subject to technical changes.



HelaGuard LTS-LTS Compression Coupler.

Material Data

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



**HelaGuard
LTS-EI End Insert**

Nickel plated brass.

Features and Benefits

- Single part
- Caps end of conduit

Technical Table

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

All dimensions in mm. Subject to technical changes.



HelaGuard LTS-EI End Insert.

Material Data

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

