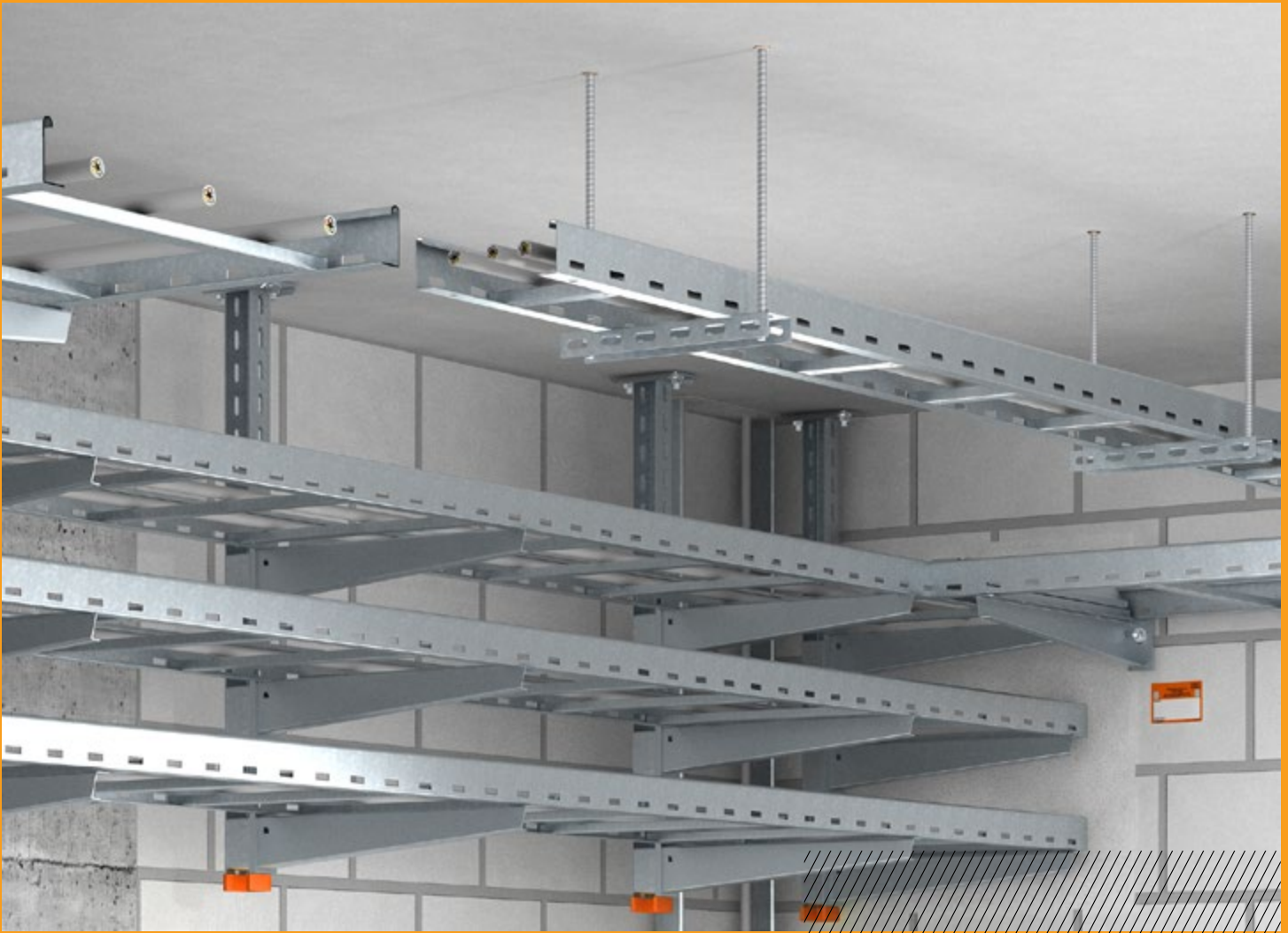




Cable Ladder System

Building Connections

OBO
BETTERMANN



Cable Ladder System

- Robust and easy installation.
- Designed and Tested according to IS/IEC 61537.
- Unique, engineered rail and rung construction to achieve better performance and rigidity.
- Confirms to the limit of deflection with 1.7 times safety factor.
- Safe working load for support distance up to 4.0 m
- Cable ladders are available in Strip and Hot dip galvanized versions.
- Available in side heights of 50mm, 75mm, 100mm with widths from 200mm to 1000mm.
- Wide range of factory fabricated accessories for weld free installations.

Applications:

FS Strip Galvanized

- Indoor Use
- Dry atmosphere in the room
- No aggressive action
- Hazardous substances
- Textile Industry

FT Hot-dip Galvanized

- Outdoor areas
- Power plant construction
- Plant and mechanical engineering
- Oil and gas industry Mining
- Process industry (Steel, Paper, Cement etc.)
- Automobile Industry
- Rubber Industry

Mounting Aid



Support and threaded rod suspension application

Installation of cable ladders with supports of U profiles and threaded rod suspension.



Jump Application

Implementation of vertical jumps with adjustable connectors, e.g. for ceiling joints.



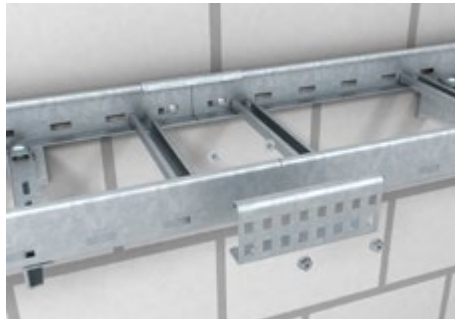
Threaded rod suspension application

Suspension of a cable ladder with threaded rods and U supports as a cross-section.



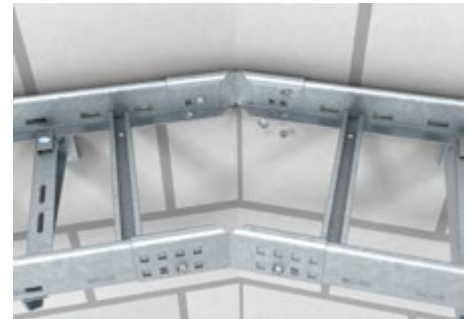
Support Suspension

Suspension of a cable ladder with supports and support brackets.



Straight connection of cable ladders

Straight connection of cable ladder with straight connector, type LVG.



Horizontal angle connection of cable ladders

Horizontal angle connection with straight and angle connectors, type LWVG



Vertical angle connection of cable ladders

Creation of vertical angle connection using adjustable connectors, type LGVG.



Tee with support plate

Creation of horizontal tees for cable ladders running at the same height.



Vertical cable exit

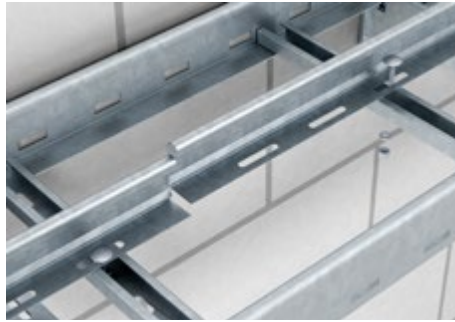
The drop-out plate, type LAB, is used to increase the cable supporting surface for vertically exiting cables and as cable protection.

Mounting Aid



Screwless barrier strip fastening

Screwless fastening a barrier strip in cable ladders with clamping piece, type KS KL.



Screwed barrier strip fastening

Screwed mounting of the TSG barrier strip through the perforated rung of the cable ladders.



Straight barrier strip connection

Screwless straight connection of barrier strips in cable ladders using the barrier strip TSGV.



Cover Mounting

Positioning and fastening of the cover on the cable ladder using turn-buckle, type DRL.



Earthing terminal / earth connection

Earthing terminal for fastening the equipotential bonding wire to the cable support system.



Installation of cable ladder bend

Connection of the cable ladder with the bend, type LBI 90. Additional supports should be planned for the area of the fittings.



Installation of Tee

Mounting of tee, type LT, to create a horizontal exit. Additional supports should be planned for the area of the fittings.



Installation of an cross-over

Installation of an cross-over, type LK, for the creation of two exits. Additional supports should be planned for the area of the fittings.



Cover mounting

Positioning and fastening of the cover on the cable ladder using turn-buckle, type DRL.



Cable ladder as-delivered state

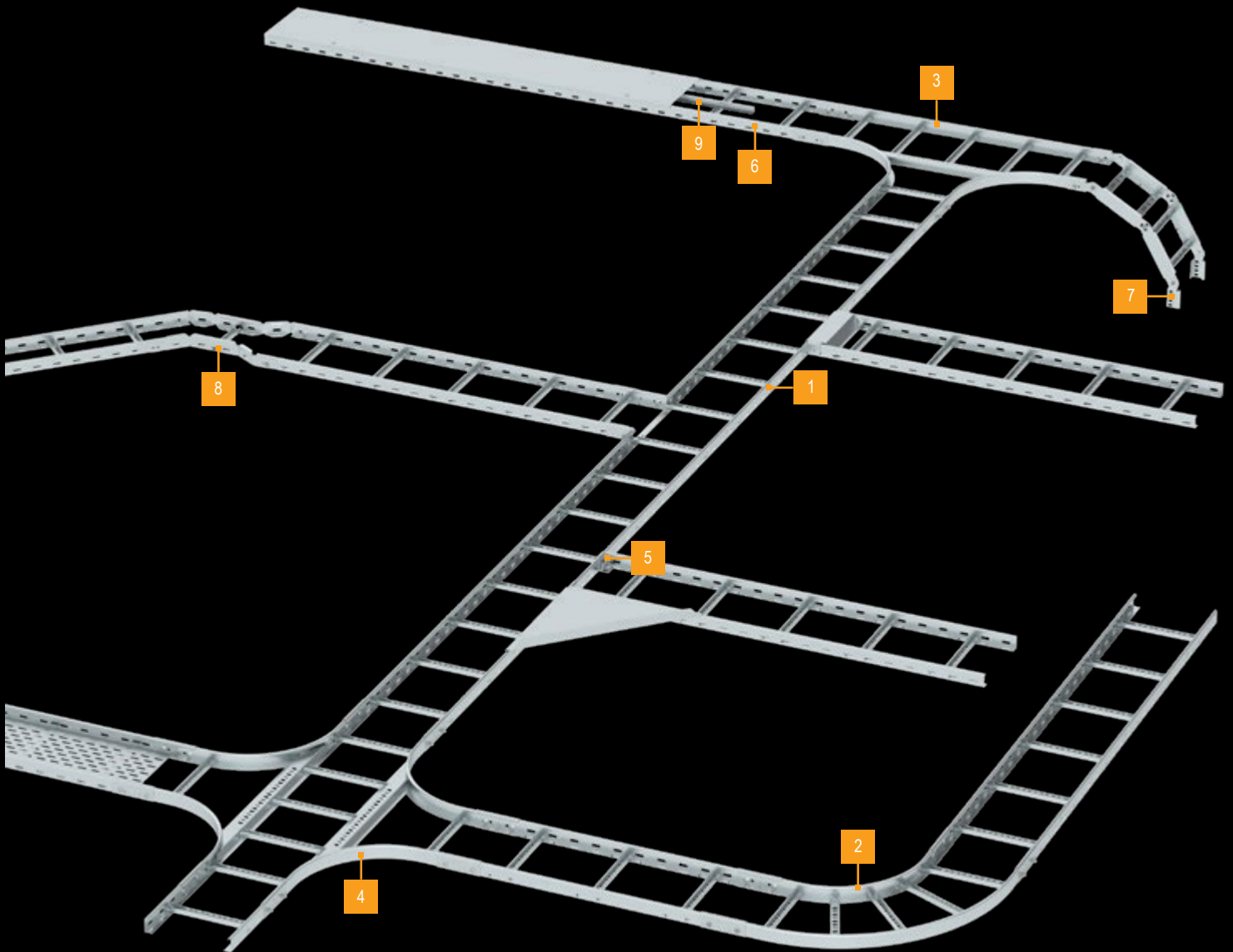
All cable ladders are supplied folded up.



Cable Ladder – U Clamp

The double-sided filling of the clamps allows flexible installation and offers the maximum of installation space. The clamps are perfectly matched to the fastening elements.

Installation Principle



- | | | | |
|---|------------------|---|---------------------------|
| 1 | Cable ladders | 6 | Straight Connector |
| 2 | 90° bend | 7 | Adjustable Connector |
| 3 | Tee piece | 8 | Multifunctional Connector |
| 4 | Intersection | 9 | Barrier Strip |
| 5 | Connection Piece | | |

Cable Ladder System

Side Height - 50mm



Article No	Article Type	Width (mm)
6487012	LG 520 VS FS	200
6487014	LG 530 VS FS	300
6487017	LG 545 VS FS	450
6487019	LG 560 VS FS	600

Article No	Article Type	Width (mm)
6487002	LG 520 VS FT	200
6487004	LG 530 VS FT	300
6487007	LG 545 VS FT	450
6487009	LG 560 VS FT	600

Side Height - 75mm



Article No	Article Type	Width (mm)
6487052	LG 720 VS FS	200
6487054	LG 730 VS FS	300
6487057	LG 745 VS FS	450
6487059	LG 760 VS FS	600
6487062	LG 775 VS FS	750
6487065	LG 7100 VS FS	1000

Article No	Article Type	Width (mm)
6487032	LG 720 VS FT	200
6487034	LG 730 VS FT	300
6487037	LG 745 VS FT	450
6487039	LG 760 VS FT	600
6487042	LG 775 VS FT	700
6487045	LG 7100 VS FT	1000

Side Height - 100mm



Article No	Article Type	Width (mm)
6487122	LG 1020 VS FS	200
6487124	LG 1030 VS FS	300
6487127	LG 1045 VS FS	450
6487129	LG 1060 VS FS	600
6487132	LG 1075 VS FS	750
6487134	LG 1090 VS FS	900
6487136	LG 10100 VS FS	1000

Article No	Article Type	Width (mm)
6487102	LG 1020 VS FT	200
6487104	LG 1030 VS FT	300
6487107	LG 1045 VS FT	450
6487109	LG 1060 VS FT	600
6487112	LG 1075 VS FT	750
6487114	LG 1090 VS FT	900
6487116	LG 10100 VS FT	1000

FS Strip Galvanized FT Hot-dip Galvanized

Accessories - Cable Ladder System

Side Height - 50mm

Straight Connector



Article No	Article Type
6487335	LVG 50 FS
6487325	LVG 50 FT

Adjustable Connector



Article No	Article Type
6487315	LGVG 50 FS
6487305	LGVG 50 FT

Multi Connector



Article No	Article Type
6487412	LMFV 520 FS
6487414	LMFV 530 FS
6487416	LMFV 545 FS
6487418	LMFV 560 FS
6487402	LMFV 520 FT
6487404	LMFV 530 FT
6487406	LMFV 545 FT
6487408	LMFV 560 FT

Angle Connector



Article No	Article Type
6487362	LWVG 50 FS

Side Height - 75mm

Straight Connector



Article No	Article Type
6487337	LVG 75 FS
6487327	LVG 75 FT

Adjustable Connector



Article No	Article Type
6487317	LGVG 75 FS
6487307	LGVG 75 FT

Multi Connector



Article No	Article Type
6487432	LMFV 720 FS
6487434	LMFV 730 FS
6487436	LMFV 745 FS
6487438	LMFV 760 FS
6487422	LMFV 720 FT
6487424	LMFV 730 FT
6487426	LMFV 745 FT
6487428	LMFV 760 FT

Angle Connector



Article No	Article Type
6487364	LWVG 75 FS

Side Height - 100mm

Straight Connector



Article No	Article Type
6487339	LVG 100 FS
6487324	LVG 100 FT

Adjustable Connector



Article No	Article Type
6487319	LGVG 100 FS
6487305	LGVG 100 FT

Multi Connector



Article No	Article Type
6487462	LMFV 120 FS
6487464	LMFV 130 FS
6487466	LMFV 145 FS
6487468	LMFV 160 FS
6487452	LMFV 120 FT
6487454	LMFV 130 FT
6487456	LMFV 145 FT
6487458	LMFV 160 FT

Angle Connector



Article No	Article Type
6487366	LWVG 100 FS

FS Strip Galvanized FT Hot-dip Galvanized

Accessories - Cable Ladder System

Side Height - 50mm

90 degree bend



Article No	Article Type	Width (mm)
6487212	LB 90 520 VS FS	200
6487214	LB 90 530 VS FS	300
6487216	LB 90 545 VS FS	450
6487218	LB 90 560 VS FS	600
6487202	LB 90 520 VS FT	200
6487204	LB 90 530 VS FT	300
6487206	LB 90 545 VS FT	450
6487208	LB 90 560 VS FT	600

T Piece



Article No	Article Type	Width (mm)
6487672	LT 520 VS FS	200
6487674	LT 530 VS FS	300
6487676	LT 545 VS FS	450
6487678	LT 560 VS FS	600
6487662	LT 520 VS FT	200
6487664	LT 530 VS FT	300
6487666	LT 545 VS FT	450
6487668	LT 560 VS FT	600

Cross-over



Article No	Article Type	Width (mm)
6487512	LK 520 VS FS	200
6487514	LK 530 VS FS	300
6487516	LK 545 VS FS	450
6487518	LK 560 VS FS	600
6487502	LK 520 VS FT	200
6487504	LK 530 VS FT	300
6487506	LK 545 VS FT	450
6487508	LK 560 VS FT	600

Side Height - 75mm

90 degree bend



Article No	Article Type	Width (mm)
6487242	LB 90 720 VS FS	200
6487244	LB 90 730 VS FS	300
6487246	LB 90 745 VS FS	450
6487248	LB 90 760 VS FS	600
6487250	LB 90 775 VS FS	750
6487252	LB 90 7100 VS FS	1000
6487222	LB 90 720 VS FT	200
6487224	LB 90 730 VS FT	300
6487226	LB 90 745 VS FT	450
6487228	LB 90 760 VS FT	600
6487230	LB 90 775 VS FT	750
6487232	LB 90 7100 VS FT	1000

T Piece



Article No	Article Type	Width (mm)
6487702	LT 720 VS FS	200
6487704	LT 730 VS FS	300
6487706	LT 745 VS FS	450
6487708	LT 760 VS FS	600
6487710	LT 775 VS FS	750
6487712	LT 7100 VS FS	1000
6487682	LT 720 VS FT	200
6487684	LT 730 VS FT	300
6487686	LT 745 VS FT	450
6487688	LT 760 VS FT	600
6487600	LT 775 VS FT	750
6487692	LT 7100 VS FT	1000

Cross-over



Article No	Article Type	Width (mm)
6487552	LK 720 VS FS	200
6487554	LK 730 VS FS	300
6487557	LK 745 VS FS	450
6487558	LK 760 VS FS	600
6487560	LK 775 VS FS	750
6487565	LK 7100 VS FS	1000
6487532	LK 720 VS FT	200
6487534	LK 730 VS FT	300
6487536	LK 745 VS FT	450
6487538	LK 760 VS FT	600
6487540	LK 775 VS FT	750
6487544	LK 7100 VS FT	1000

Side Height - 100mm

90 degree bend



Article No	Article Type	Width (mm)
6487282	LB 90 120 VS FS	200
6487284	LB 90 130 VS FS	300
6487286	LB 90 145 VS FS	450
6487288	LB 90 160 VS FS	600
6487290	LB 90 175 VS FS	750
6487291	LB 90 190 VS FS	900
6487292	LB 90 10100 VS FS	1000
6487262	LB 90 120 VS FT	200
6487264	LB 90 130 VS FT	300
6487266	LB 90 145 VS FT	450
6487268	LB 90 160 VS FT	600
6487270	LB 90 175 VS FT	750
6487271	LB 90 190 VS FT	900
6487272	LB 90 10100 VS FT	1000

T Piece



Article No	Article Type	Width (mm)
6487743	LT 1020 VS FS	200
6487744	LT 1030 VS FS	300
6487746	LT 1045 VS FS	450
6487748	LT 1060 VS FS	600
6487751	LT 1075 VS FS	750
6487752	LT 1090 VS FS	900
6487754	LT 10100 VS FS	1000
6487722	LT 1020 VS FT	200
6487724	LT 1030 VS FT	300
6487727	LT 1045 VS FT	450
6487728	LT 1060 VS FT	600
6487730	LT 1075 VS FT	750
6487732	LT 1090 VS FT	900
6487735	LT 10100 VS FT	1000

Cross-over



Article No	Article Type	Width (mm)
6487602	LK 1020 VS FS	200
6487604	LK 1030 VS FS	300
6487606	LK 1045 VS FS	450
6487608	LK 1060 VS FS	600
6487610	LK 1075 VS FS	750
6487612	LK 1090 VS FS	900
6487614	LK 10100 VS FS	1000
6487582	LK 1020 VS FT	200
6487584	LK 1030 VS FT	300
6487586	LK 1045 VS FT	450
6487588	LK 1060 VS FT	600
6487590	LK 1075 VS FT	750
6487592	LK 1090 VS FT	900
6487594	LK 10100 VS FT	1000

FS Strip Galvanized FT Hot-dip Galvanized

Accessories - 50, 75, 100 mm

LKS 40 Hold-Down Clamp

Article No	Article Type
6221084	LKS 40 FT



LKS 60/4 Hold-Down Clamp

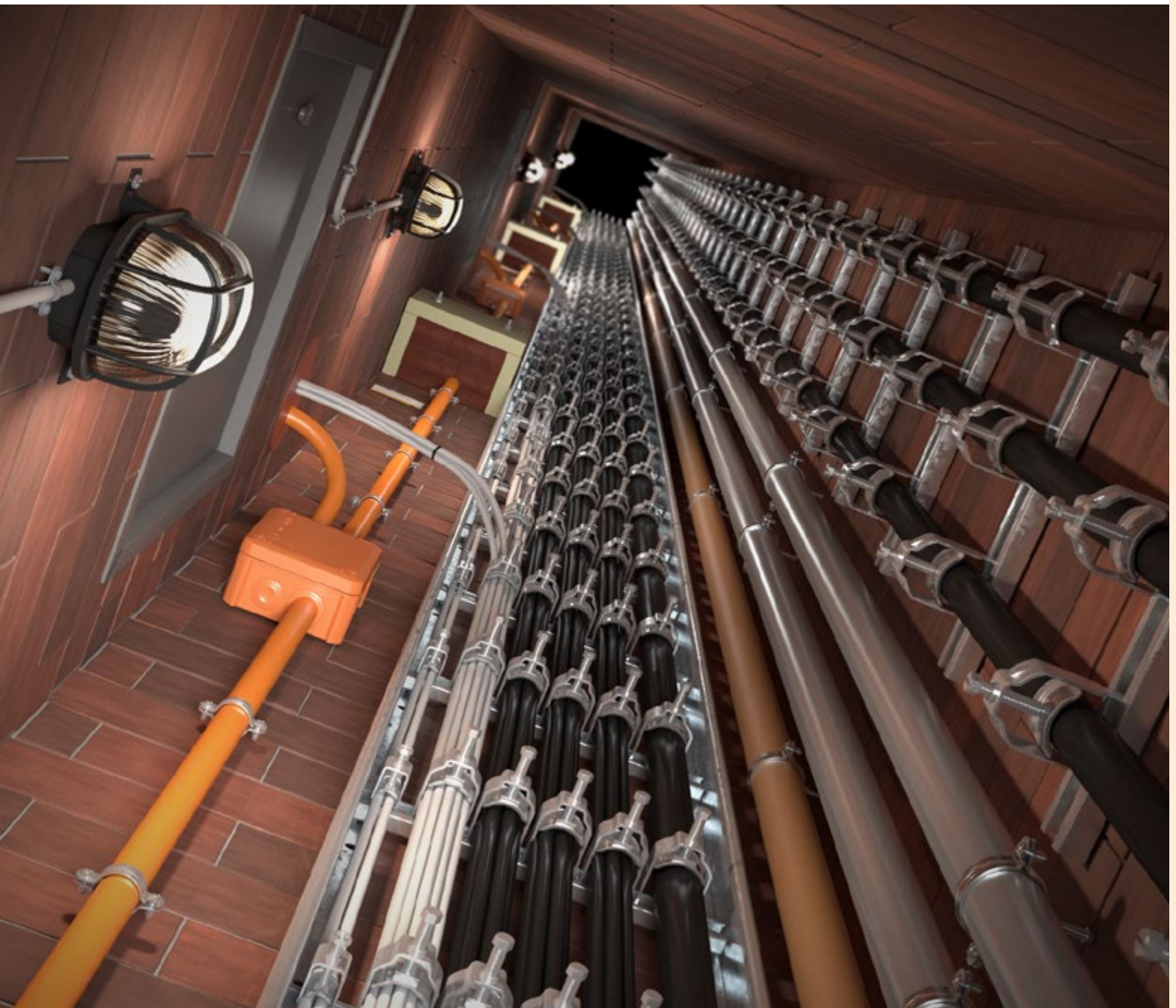
Article No	Article Type
6221122	LKS 60 4 FT



Cover with Turn Buckle

Article No	Article Type
6052207	DRL 200 FS
6052304	DRL 300 FS
6052401	DRL 400 FS
6052509	DRL 500 FS
6052606	DRL 600 FS

FS Strip Galvanized **FT** Hot-dip Galvanized



Sales Offices:

NORTH

OBO Bettermann India Pvt Ltd.

212, Ansal Chamber-II,
9, Bhikaji Cama Place,
New Delhi - 110066

Phone: +91 11 41727344

EAST

OBO Bettermann India Pvt Ltd.

BJ-249, Sector - II, Salt Lake
Kolkata - 700091

Mobile: +91 78240 34358

WEST

OBO Bettermann India Pvt Ltd.

Excellencia Lodha Supremus
Unit No : 10, 1st Floor, Road No 22
Wagle Estate
Thane (W) - 400604

Mobile: +91 88796 37276

SOUTH 1

OBO Bettermann India Pvt Ltd.

Plot No. A - 51, SIPCOT industrial
Growth Centre,
Oragadam, Sriperumbudur Taluk,
Kancheepuram District - 602 105,
Tamil Nadu, India

Mobile: +91 99625 36186

SOUTH 2

OBO Bettermann India Pvt Ltd.

#No. 1312, 1st Floor, 25th Main
Road, 9th Block, Jayanagar,
Bangalore – 560069

Phone: +91 080 42062651

SRILANKA

OBO Bettermann Lanka Pvt Ltd.

No 150/1, Baudhaloka Mawatha,
Colombo 04
Sri Lanka

Phone: +94-112 554 480

Territory Locations:

Ahmedabad
9638432920

Bhubaneswar
9042624814

Chandigarh
8939993152

Coimbatore
9962537190

Ernakulam
8879637273

Gujarat
8939993198

Guwahati
9836400525

Hyderabad
8939993192

Nagpur
7824034666

Indore
8939993193

Jamshedpur
9661801372

Lucknow
8939993154

Pune
8879637627

Visakhapatnam
8939993195

Patna
8939993172

Puducherry
9962537183

Raipur
9384018643

Thiruvananthapuram
8939993130

Vadodara
8939993198

Dhaka
+880 1714345697

OBO BETTERMANN INDIA PVT LTD.

Plot No: A-51, SIPCOT Industrial Growth Center,
Oragadam, Sriperumbudur Taluk,
Kancheepuram District - 602 105,
Tamil Nadu, India

Mob: +91 89399 04000

Email: info@oboindia.com

www.oboindia.com