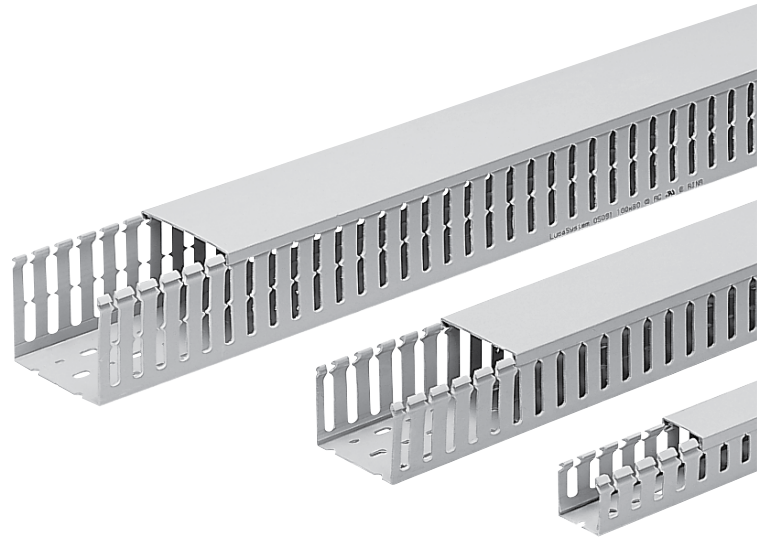


# Q-Duct wiring duct

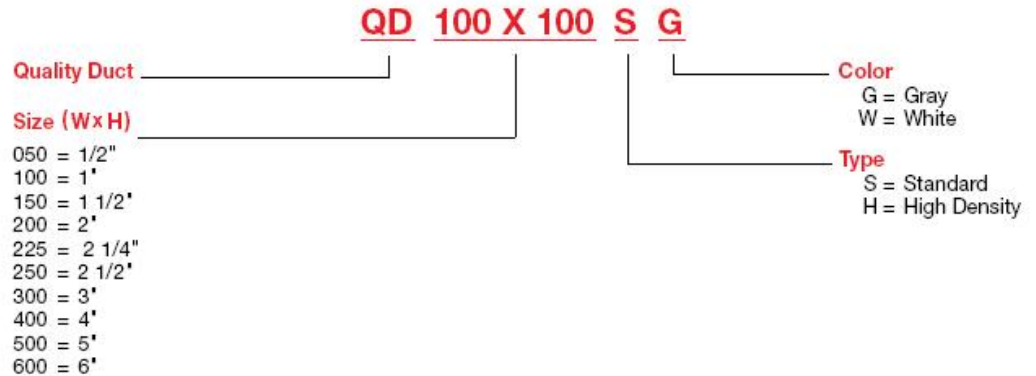
**ABB** Q-Duct  
Wiring duct



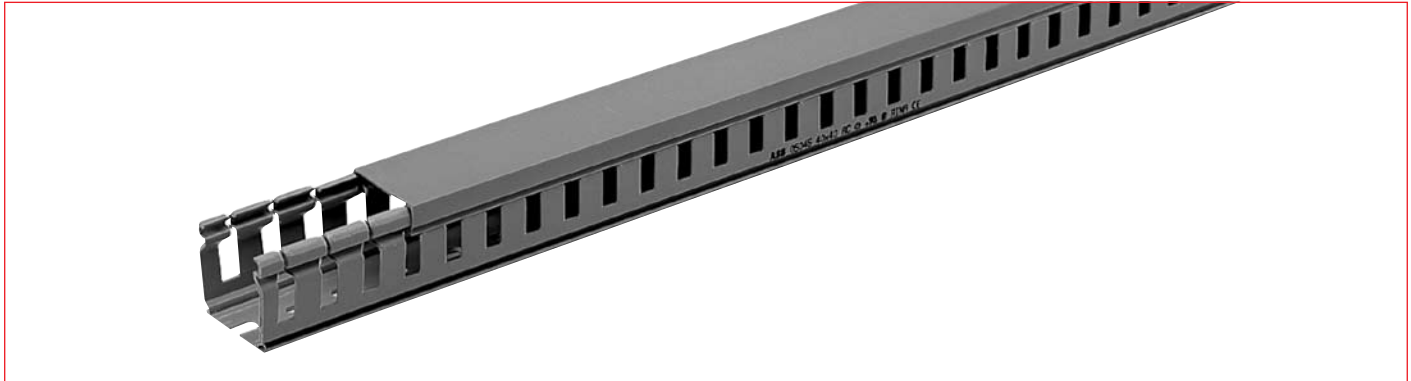
## General information

ABB offers Q-Duct, a wide variety of wire duct and accessories. Bases are available in six different width sizes and heights from 17mm to 100mm (.67" to 3.94"). Top profile of the ribs of all wiring duct have been redesigned to make the cover easier to open and close. The new rounded shape prevents abrasions to the installer's hands. The scoreline at the base of each finger enables a clean break to create an opening to run wires through. ABB wiring duct is used in applications with rated voltage of up to 1000 VAC and 1500 VDC.

## Catalog number explanation



**Q-Duct  
Standard, 8-12mm slot**

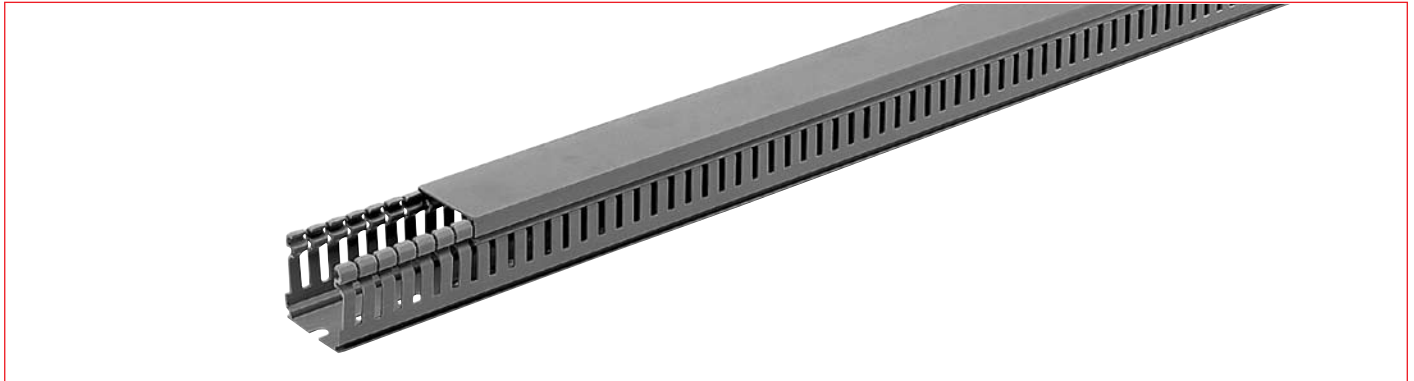


Dimensions WXH (in)	White	Gray	Dimensions WXH (mm)	Feet per package	Meters per package	Pieces per package
	Standard 8-12mm Slot Catalog number	Standard 8-12mm Slot Catalog number				
1/2 X 5/8	QD050X050SW	QD050X050SG	15 x 17	151	46	23
1 X 1¼	QD100X125SW	QD100X125SG	25 x 30	190.5	58	29
1½ X 1¼	QD150X125SW	QD150X125SG	40 x 30	131.5	40	20
2¼ X 1¼	QD225X125SW	QD225X125SG	60 x 30	171	52	26
1 x 1½	QD100X150SW	QD100X150SG	25 x 40	157.5	48	24
1½ x 1½	QD150X150SW	QD150X150SG	40 x 40	98.5	30	15
2¼ x 1½	QD225X150SW	QD225X150SG	60 x 40	131	40	20
3 x 1½	QD300X150SW	QD300X150SG	80 x 40	105	32	16
4 x 1½	QD400X150SW	QD400X150SG	100 x 40	79	24	12
4¾ x 1½	QD475X150SW	QD475X150SG	120 x 40	66	20	10
1 x 2¼	QD100X225SW	QD100X225SG	25 x 60	111.5	34	17
1½ x 2¼	QD150X225SW	QD150X225SG	40 x 60	72	22	11
2¼ x 2¼	QD225X225SW	QD225X225SG	60 x 60	105	32	16
3 x 2¼	QD300X225SW	QD300X225SG	80 x 60	79	24	12
4 x 2¼	QD400X225SW	QD400X225SG	100 x 60	66	20	10
4¾ x 2¼	QD475X225SW	QD475X225SG	120 x 60	46	14	7
1 x 3	QD100X300SW	QD100X300SG	25 x 80	92	28	14
1½ x 3	QD150X300SW	QD150X300SG	40 x 80	118	36	18
2¼ x 3	QD225X300SW	QD225X300SG	60 x 80	79	24	12
3 x 3	QD300X300SW	QD300X300SG	80 x 80	52	16	8
4 x 3	QD400X300SW	QD400X300SG	100 x 80	52	16	8
4¾ x 3	QD475X300SW	QD475X300SG	120 x 80	39	12	6
1 x 4	QD100X400SW	QD100X400SG	25 x 100	65.5	20	10
1½ x 4	QD150X400SW	QD150X400SG	40 x 100	92	28	14
2¼ x 4	QD225X400SW	QD225X400SG	60 x 100	66	20	10
3 x 4	QD300X400SW	QD300X400SG	80 x 100	46	14	7
4 x 4	QD400X400SW	QD400X400SG	100 x 100	26	8	4
6 x 4	QD600X400SW	QD600X400SG	150 x 100	26	8	4

Sold in package quantity only. Order quantity must be equal to quantity shown in "Piece per package" column. Wire duct cover included.

# Q-Duct

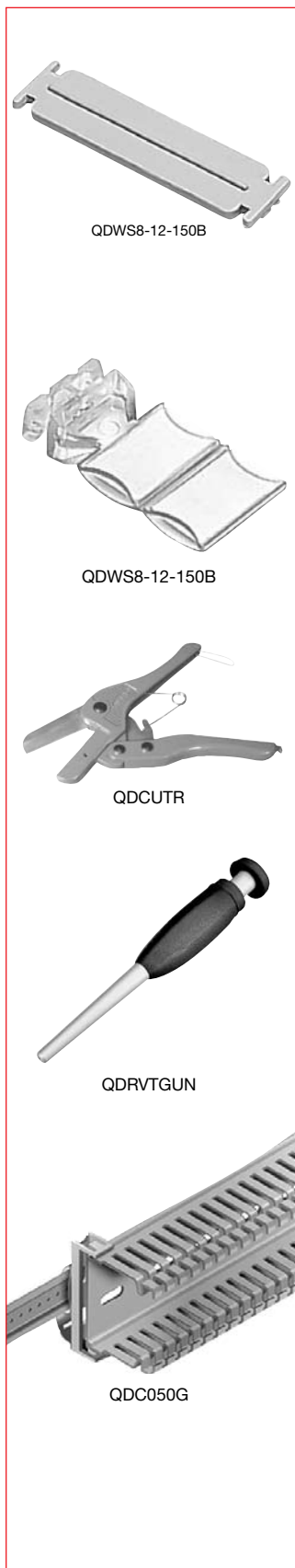
High density, 4-6mm slot



Dimensions WXH (in)	White High Density 4-6mm Slot	Gray High Density 4-6mm Slot	Dimensions WXH (mm)	Feet per package	Meters per package	Pieces per package
1/2 x 5/8	QD050X050HW	QD050X050HG	15 x 17	151	46	23
1 x 1 1/4	QD100X125HW	QD100X125HG	25 x 30	190.5	58	29
1 1/2 x 1 1/4	QD150X125HW	QD150X125HG	40 x 30	131.5	40	20
2 1/4 x 1 1/4	QD225X125HW	QD225X125HG	60 x 30	171	52	26
1 x 1 1/2	QD100X150HW	QD100X150HG	25 x 40	157.5	48	24
1 1/2 x 1 1/2	QD150X150HW	QD150X150HG	40 x 40	98.5	30	15
2 1/4 x 1 1/2	QD225X150HW	QD225X150HG	60 x 40	131	40	20
3 x 1 1/2	QD300X150HW	QD300X150HG	80 x 40	105	32	16
4 x 1 1/2	QD400X150HW	QD400X150HG	100 x 40	79	24	12
4 3/4 x 1 1/2	QD475X150HW	QD475X150HG	120 x 40	66	20	10
1 x 2 1/4	QD100X225HW	QD100X225HG	25 x 60	111.5	34	17
1 1/2 x 2 1/4	QD150X225HW	QD150X225HG	40 x 60	72	22	11
2 1/4 x 2 1/4	QD225X225HW	QD225X225HG	60 x 60	105	32	16
3 x 2 1/4	QD300X225HW	QD300X225HG	80 x 60	79	24	12
4 x 2 1/4	QD400X225HW	QD400X225HG	100 x 60	66	20	10
4 3/4 x 2 1/4	QD475X225HW	QD475X225HG	120 x 60	46	14	7
1 x 3	QD100X300HW	QD100X300HG	100 x 80	92	28	14
1 1/2 x 3	QD150X300HW	QD150X300HG	40 x 80	118	36	18
2 1/4 x 3	QD225X300HW	QD225X300HG	60 x 80	79	24	12
3 x 3	QD300X300HW	QD300X300HG	80 x 80	52	16	8
4 x 3	QD400X300HW	QD400X300HG	100 x 80	52	16	8
4 3/4 x 3	QD475X300HW	QD475X300HG	120 x 80	39	12	6
1 x 4	QD100X400HW	QD100X400HG	25 x 100	65.5	20	10
1 1/2 x 4	QD150X400HW	QD150X400HG	40 x 100	92	28	14
2 1/4 x 4	QD225X400HW	QD225X400HG	60 x 100	66	20	10
3 x 4	QD300X400HW	QD300X400HG	80 x 100	46	14	7
4 x 4	QD400X400HW	QD400X400HG	100 x 100	26	8	4
6 x 4	QD600X400HW	QD600X400HG	150 x 100	26	8	4

Sold in package quantity only. Order quantity must be equal to quantity shown in "Piece per package" column. Wire duct cover included.

## Q-Duct Tools and accessories

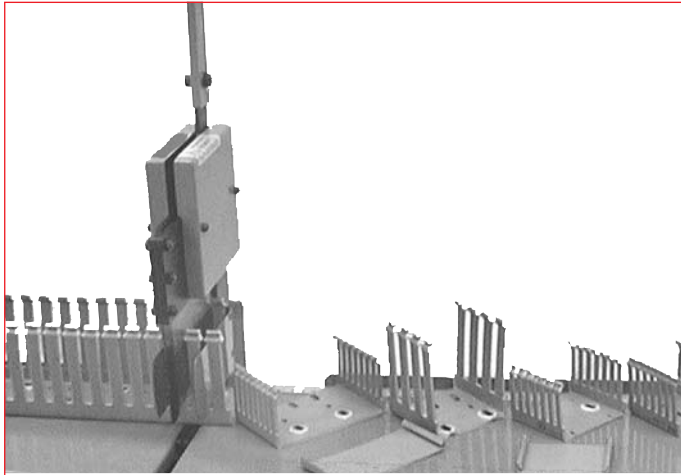


Item	Catalog number	Pieces per package
Adhesive tape 6mm wide x 50m long	QDAT6MMX50M	1
Adhesive tape 9mm wide x 50m long	QDAT9MMX50M	1
Plastic rivet, 4mm (to be used with plastic duct base)	QDPR4MM	100
Plastic rivet, 6mm (to be used with plastic duct base)	QDPR6MM	100
Plastic duct base	QDPDB	100
Plastic wire stops for 8-12mm slot 40mm base	QDWS8-12-150B	100
Plastic wire stops for 8-12mm slot 60mm base	QDWS8-12-225B	100
Plastic wire stops for 8-12mm slot 80mm base	QDWS8-12-300	100
Plastic wire stops for 8-12mm slot 100mm base	QDWS8-12-400	100
Plastic label for 8-12mm slot	QDPL8-12-S	100
Rapid clip for DIN rail for 25mm base	QDRCD100B	20
Rapid clip for DIN rail for 40mm base	QDRCD150B	20
Rapid clip for DIN rail for 60mm base	QDRCD225B	20
Rapid clip for DIN rail for 80mm base	QDRCD300B	20
Rapid clip for DIN rail for 100mm base	QDRCD400B	20
Rapid clip for DIN rail for 120mm base	QDRCD500B	20
Rapid clip for DIN rail for 150mm base	QDRCD600B	20
Wire duct hand cutting tool	QDCUTR	1
Rivet gun	QDRVTGUN	1

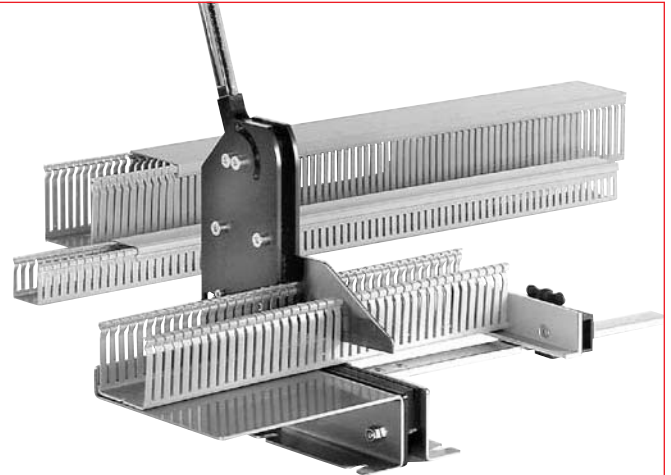
Item	Dimensions width (mm)	Catalog number	Feet per package	Meters per package	Pieces per package
<b>Gray wiring duct covers</b>					
1/2"	15	QDC050G	656	200	100
1"	25	QDC100G	197	60	30
1 1/2"	40	QDC150G	131	40	20
2 1/4"	60	QDC225G	79	24	12
3"	80	QDC300G	52	16	8
4"	100	QDC400G	157	48	24
4 3/4"	120	QDC475G	118	36	18
6"	150	QDC600G	92	28	14
<b>White wiring duct covers</b>					
1/2"	15	QDC050W	656	200	100
1"	25	QDC100W	197	60	30
1 1/2"	40	QDC150W	131	40	20
2 1/4"	60	QDC225W	79	24	12
3"	80	QDC300W	52	16	8
4"	100	QDC400W	157	48	24
4 3/4"	120	QDC475W	118	36	18
6"	150	QDC600W	92	28	14

NOTE: Sold in package quantity only. Order quantity must be equal quantity shown in "Pieces per package" column.  
EX: For QDPDB, 100 pieces must be ordered to get package quantity.

## Q-Duct Wiring duct cutter Industrial & production grade



Production grade



Industrial grade

### Industrial grade

Description	Catalog number
Wire duct cutting machine - Industrial grade	XUS001628
Replacement blade	XUS001629

### Technical Features

- Length: 1450 mm
- Height: 950 mm
- Depth: 260 mm
- Blade length: 130 mm (maximum wire duct cutting width is 120 mm (5.0 in))
- Blade life: 250,000 cuts
- Blade life is based on usage of traditional PVC wiring duct. Use of halogen-free wiring or any other wiring duct containing abrasive material dramatically reduces the blade life
- Bench mounting material not included.

### Production grade

Description	Catalog number
Wire duct cutting machine - Production grade	XUS002518
Replacement blade	XUS002519

### Technical Features

- Length: 1290 mm
- Height: 785 mm
- Depth: 285 mm
- Blade length: 136 mm (maximum wire duct cutting width is 120 mm (5.0 in))
- Blade life: 400,000 cuts
- Blade life is based on usage of traditional PVC wiring duct. Use of halogen-free wiring or any other wiring duct containing abrasive material dramatically reduces the blade life
- Calibrated scale
- Bench mounting material not included.

## Q-Duct

### Resistance to chemical agents

#### Technical data

#### Resistance to chemical agents

Chemical	Concentration	Temp. °C	Resistance
Acetic acid, hydrous	10%	50	①
Acetic acid`	60%	50	①
Acetone	Traces	20	②
Acetone	100%	20	②
Acqua regia		20	①
Ammonia concentrate	88%	50	①
Ammonia, dry gas	100%	50	①
Ammonia, liquid	100%	20	③
Aniline, pure	100%	20	②
Arsenic acid, hydrous	concentrated	20	①
Barium hydroxide, hydr.	—	50	①
Beer	commercial	20	①
Benzene	—	20	②
Benzoic acid	—	20	③
Borax, hydrous	thinned	50	①
Boric acid, hydrous	thinned	50	①
Brandy	commercial	20	①
Bromide liquid	—	20	②
Butane gaseous	—	20	①
Butadiene	50%	50	①
Butanol	—	20	①
Butyric acid, hydrous	20%	20	①
Calcium chloride	—	50	①
Camphor oil	—	20	①
Carbon tetrachloride	—	20	③
Chlorine gaseous, dry	100%	20	①
Chlorine gaseous, moist	20%	20	③
Chlorine water	saturated	20	③
Chromic acid, hydrous	—	50	①
Citric acid, hydrous	—	50	①
Copper sulphate, hydrous	thinned	50	①
Diesel oil	—	20	①
Ethyl-alcohol	100% (in water)	20	①
Formaldehyde, hydrous	40%	50	①

Chemical	Concentration	Temp. °C	Resistance
Formic acid	100%	20	①
Freon 12	—	20	①
Gasoline	—	50	①
Glycerine, hydrous	—	50	①
Hydrochloric acid	saturated	50	①
Hydrogen	—	50	①
Linseed oil	—	50	①
Lubricating oils	—	50	①
Mineral oil	—	50	①
Molasses	—	20	④
Oils and fats	commercial	50	①
Oil of turpentine	commercial	20	①
Ozone	—	20	①
Paraffin wax	—	50	①
Photographic developer	commercial	50	①
Photographic emulsions	—	50	①
Potassium permanganate	6%	20	①
Propane, liquid	—	20	①
Salicylic acid	—	50	①
Sea water	—	50	①
Soda, hydrous	saturated	50	①
Sodium chloride	thinned	50	①
Spirits, all types	—	20	①
Sulphur	—	50	①
Sulphuric acid, hydrous	40%	50	①
Tannic acid	—	50	①
Tetrahydrofuran	—	20	②
Toluene	—	20	②
Urea, hydrous	—	50	①
Urine	—	50	①
Vinegar	commercial	50	①
Water	—	50	①
Wines, red & white	commercial	20	①
Zinc sulphate, hydrous	thinned	50	①

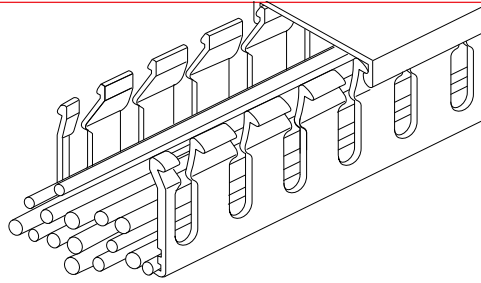
#### Technical data

- Gray color - RAL 7030
- White color - RAL 9016
- Plastic insulating, shock-proof, self-extinguishing material in compliance with UL 94 VO Standard and resistant to abnormal heat and fire up to 960° (glow wire test) in compliance with IEC 695-2-1 Standard. UL File # E125800
- Minimum storage/transport temperature -5°C
- Minimum installation and usage temperature -15°C
- Maximum usage temperature +60°C
- Resistance to acids, oils and greases





**Q-Duct**  
Wire capacity 800-1000 AWG



**800 - 1000 AWG**

Gray 4/6 slot	Gray 8/12 slot	White 4/6 slot	White 8/12 slot	Nominal size (mm)	Nominal size (inches)	Usable areas (mm <sup>2</sup> )	Maximum number of wires according to AWG and cable section (mm <sup>2</sup> )	
							800 405	1000 508
QD050X050HG	QD050X050SG	QD050X050HW	QD050X050SW	15x17	1/2x5/8	110	0	0
QD100X125HG	QD100X125SG	QD100X125HW	QD100X125SW	25x30	1x1¼	490	0	0
QD150X125HG	QD150X125SG	QD150X125HW	QD150X125SW	40x30	1½x1¼	890	1	0
QD225X125HG	QD225X125SG	QD225X125HW	QD225X125SW	60x30	2¼x1¼	1430	1	1
QD100X150HG	QD100X150SG	QD100X150HW	QD100X150SW	25x40	1x1½	710	0	0
QD150X150HG	QD150X150SG	QD150X150HW	QD150X150SW	40x40	1½x1½	1260	1	1
QD225X150HG	QD225X150SG	QD225X150HW	QD225X150SW	60x40	2¼x1½	2000	2	1
QD300X150HG	QD300X150SG	QD300X150HW	QD300X150SW	80x40	3x1½	2710	3	2
QD400X150HG	QD400X150SG	QD400X150HW	QD400X150SW	100x40	4x1½	3460	4	3
QD475X150HG	QD475X150SG	QD475X150HW	QD475X150SW	120x40	4¾x1½	4200	5	4
QD100X225HG	QD100X225SG	QD100X225HW	QD100X225SW	25x60	1 x 2¼	1120	1	—
QD150X225HG	QD150X225SG	QD150X225HW	QD150X225SW	40x60	1½x2¼	1970	2	1
QD225X225HG	QD225X225SG	QD225X225HW	QD225X225SW	60x60	2¼x2¼	3060	3	3
QD300X225HG	QD300X225SG	QD300X225HW	QD300X225SW	80x60	3x2¼	4190	5	4
QD400X225HG	QD400X225SG	QD400X225HW	QD400X225SW	100x60	4x2¼	5320	6	5
QD475X225HG	QD475X225SG	QD475X225HW	QD475X225SW	120x60	4¾x2¼	6330	7	6
QD100X300HG	QD100X300SG	QD100X300HW	QD100X300SW	25x80	1x3	1540	1	—
QD150X300HG	QD150X300SG	QD150X300HW	QD150X300SW	40x80	1½x3	2670	3	2
QD225X300HG	QD225X300SG	QD225X300HW	QD225X300SW	60x80	2¼x3	4140	5	4
QD300X300HG	QD300X300SG	QD300X300HW	QD300X300SW	80x80	3x3	5650	6	5
QD400X300HG	QD400X300SG	QD400X300HW	QD400X300SW	100x80	4x3	7170	8	7
QD475X300HG	QD475X300SG	QD475X300HW	QD475X300SW	120x80	4¾x3	8570	10	8
QD100X400HG	QD100X400SG	QD100X400HW	QD100X400SW	25x100	1x4	1970	2	—
QD150X400HG	QD150X400SG	QD150X400HW	QD150X400SW	40x100	1½x4	3410	4	3
QD225X400HG	QD225X400SG	QD225X400HW	QD225X400SW	60x100	2¼x4	5300	6	5
QD300X400HG	QD300X400SG	QD300X400HW	QD300X400SW	80x100	3x4	7190	8	7
QD400X400HG	QD400X400SG	QD400X400HW	QD400X400SW	100x100	4x4	9110	11	8
QD600X400HG	QD600X400SG	QD600X400HW	QD600X400SW	150x100	6x4	13,740	16	13



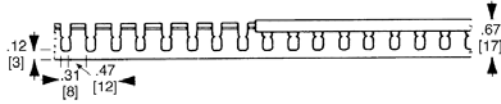
# Q-Duct

## Approximate dimensions

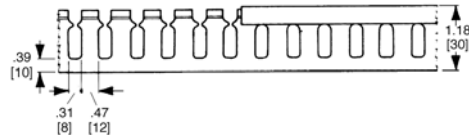
Q-Line  
Cable Management  
Systems

00.00 Inches  
00.00 [Millimeters]

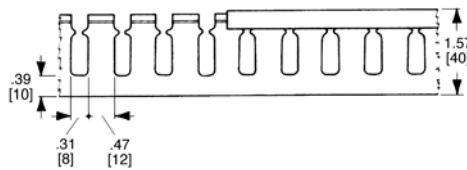
**.31 – .47" [8-12 mm] slot**  
**.87" [17 mm] height**



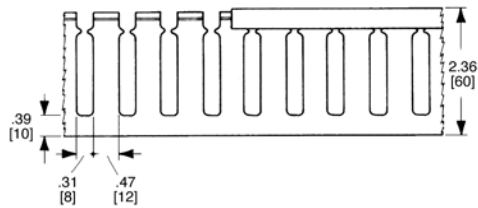
**1.18" [30 mm] height**



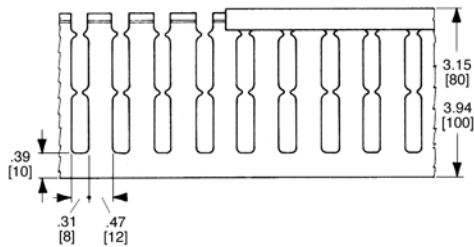
**1.57" [40 mm] height**



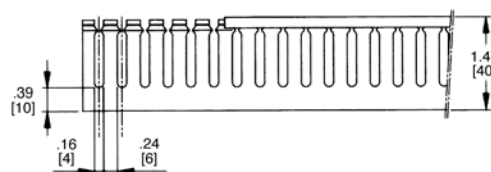
**2.36" [60 mm] height**



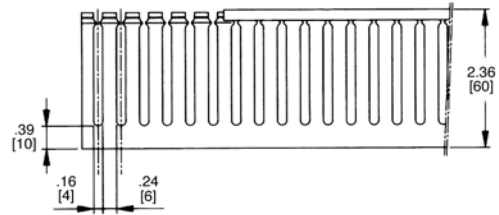
**3.15", 3.94" [80 mm, 100 mm] height**



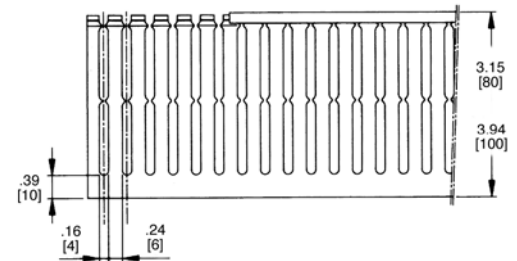
**.16 – .24" [4 – 6 mm] slot**  
**1.47" [40 mm] height**



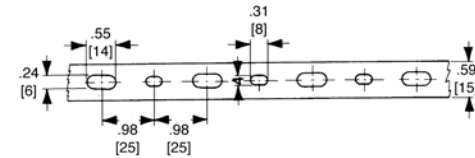
**2.36" [60 mm] height**



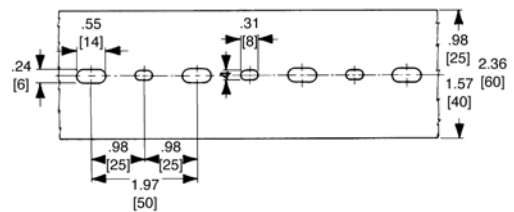
**3.15", 3.94" [80 mm, 100 mm] height**



**.16 – .24" [4 – 6 mm] & .31 – .47" [8 – 12 mm] spacing**  
**.59" [15 mm width]**



**.98", 1.57", 2.36" [25, 40, 60 mm] width**



**1.57", 1.97", 2.95" [80, 100, 150 mm] width**

