



**CONNECT AND PROTECT**

# Flexible Conductors

Flexibar Advanced 125A - 2800A

Solutions to Optimize the Design of Electrical Power and Grounding & Bonding Connections

**HELIOS**  
POWER SOLUTIONS

  
**nvent**

**ERIFLEX**

# Flexibar Advanced

## UNIQUE - SAFER - FLEXIBLE



## FLEXIBAR ADVANCED

### UNIQUE – SAFER – FLEXIBLE

- Conductor is electrolytic tinned copper (Cu-ETP)
- Insulation is a high-resistance TEP Low Smoke, Halogen Free and Flame Retardant (LSHFFR), compound:
  - Typical elongation: 500%
  - Working temperature: –50°C to 115°C
  - Typical thickness: 1.8 mm
  - Self-extinguishing:  
UL 94-V0 and IEC 60695-2-11 (Glow Wire Test 960 °C)
  - Dielectric strength: 20kV/mm
  - Nominal voltage: 1000 V AC/1500 V DC (IEC - UL - CSA)
  - Dielectric strength: 20kV/mm

Flexibar Advanced has a unique insulation on the market that combine low smoke, halogen-free and flame retardant features that improve both the reliability of your electrical installation and safety for equipment and people.

## WHY IS FLEXIBAR ADVANCED A SAFER INSULATION?

### Low smoke features:

- Generates less corrosive smoke as per IEC 61034-2, ISO 5659-2 and UL 2885
- Improves visibility for people to be able to easily locate the emergency exit and also allows rescue workers to better assess an emergency situation

### Halogen-free features:




- Reduction in the quantity of toxic smoke
- Minimum of toxicity with no halogens (according to UL 2885, IEC 60754-1 and IEC 62821-1)
- Use in enclosed spaces for specific applications such as submarines, switchboards, and other enclosed environments that require a low emissions solution

### Flame-retardant and Self-extinguishing features:

- Compliant with the UL 94-V0 and Glow wire test at 960°C (IEC 60695-2) testing standard
- Reduces the risk of the spread of fire
- Less damage to your electrical installation



## FLEXIBAR ADVANCED TINNED COPPER TECHNICAL CHARACTERISTICS

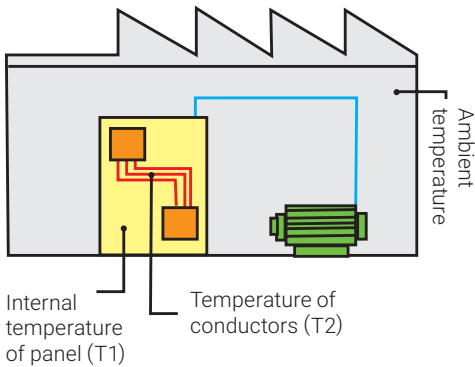
A	Part Number				Section mm <sup>2</sup>	$\Delta T$ (K)						Current Coefficient	
		N	A mm	B mm		70	60	50	40	30	20		
125 A	534001	3	x 9	x 0,8	21,6	158	147	<b>134</b>	120	104	85	1,72	2,25
	534000	8	x 6	x 0,5	24	196	182	<b>166</b>	143	128	105	1,72	2,25
	534004	3	x 13	x 0,5	19,5	198	184	<b>167</b>	150	130	106	1,72	2,25
	534006	2	x 15,5	x 0,8	24,8	252	234	<b>212</b>	191	165	134	1,72	2,25
	534002	6	x 9	x 0,8	43,2	290	269	<b>245</b>	220	190	155	1,72	2,25
250 A	534005	6	x 13	x 0,5	39	300	277	<b>253</b>	226	196	160	1,72	2,25
	534003	9	x 9	x 0,8	64,8	314	291	<b>265</b>	237	206	168	1,72	2,25
	534010	2	x 20	x 1	40	326	300	<b>275</b>	246	214	174	1,72	2,25
	534007	4	x 15,5	x 0,8	49,6	380	350	<b>320</b>	286	248	202	1,72	2,25
	534011	3	x 20	x 1	60	428	395	<b>360</b>	323	280	228	1,72	2,25
	534016	2	x 24	x 1	48	450	416	<b>380</b>	340	295	240	1,72	2,25
400 A	534008	6	x 15,5	x 0,8	74,4	476	440	<b>402</b>	360	318	254	1,72	2,25
	534012	4	x 20	x 1	80	476	440	<b>402</b>	360	312	254	1,72	2,25
	534023	2	x 32	x 1	64	480	445	<b>406</b>	363	315	257	1,72	2,25
	534017	3	x 24	x 1	72	490	453	<b>413</b>	370	320	261	1,72	2,25
	534013	5	x 20	x 1	100	498	460	<b>420</b>	376	326	266	1,72	2,25
	534009	10	x 15,5	x 0,8	124	538	498	<b>455</b>	407	352	288	1,72	2,25
	534030	2	x 40	x 1	80	538	500	<b>455</b>	406	352	288	1,72	2,25
	534014	6	x 20	x 1	120	546	506	<b>462</b>	413	358	292	1,72	2,25
	534018	4	x 24	x 1	96	550	510	<b>465</b>	416	360	294	1,72	2,25
534024	3	x 32	x 1	96	570	525	<b>480</b>	430	372	304	1,72	2,25	
500 A	534019	5	x 24	x 1	120	608	563	<b>514</b>	460	398	325	1,72	2,25
	534031	3	x 40	x 1	120	617	570	<b>522</b>	466	405	330	1,72	2,25
	534025	4	x 32	x 1	128	648	600	<b>548</b>	490	425	347	1,72	2,25
	534020	6	x 24	x 1	144	670	620	<b>566</b>	506	438	358	1,72	2,25
	534037	3	x 50	x 1	150	700	650	<b>592</b>	530	460	374	1,72	2,25
	534032	4	x 40	x 1	160	727	673	<b>615</b>	550	476	389	1,72	2,25
630 A	534026	5	x 32	x 1	160	758	702	<b>640</b>	573	496	405	1,72	2,25
	534015	10	x 20	x 1	200	762	706	<b>645</b>	576	500	408	1,72	2,25
	534021	8	x 24	x 1	192	802	743	<b>678</b>	606	525	429	1,72	2,25
	534027	6	x 32	x 1	192	846	783	<b>715</b>	640	555	452	1,72	2,25
	534038	4	x 50	x 1	200	860	795	<b>727</b>	650	563	460	1,72	2,25
	534033	5	x 40	x 1	200	900	832	<b>760</b>	680	590	481	1,72	2,25
800 A	534022	10	x 24	x 1	240	948	877	<b>800</b>	716	592	506	1,72	2,25
	534044	4	x 63	x 1	252	1010	935	<b>855</b>	763	661	541	1,65	2,12
	534028	8	x 32	x 1	256	1018	943	<b>860</b>	770	667	544	1,72	2,25
	534034	6	x 40	x 1	240	1018	943	<b>860</b>	770	667	544	1,72	2,25
	534039	5	x 50	x 1	250	1100	1016	<b>930</b>	830	718	588	1,72	2,25
1000 A	534049	4	x 80	x 1	320	1200	1110	<b>1015</b>	906	785	642	1,65	2,12
	534045	5	x 63	x 1	315	1220	1125	<b>1030</b>	920	797	651	1,65	2,12
	534040	6	x 50	x 1	300	1225	1135	<b>1035</b>	925	802	655	1,72	2,25
	534029	10	x 32	x 1	320	1230	1140	<b>1040</b>	930	805	658	1,72	2,25
	534035	8	x 40	x 1	320	1230	1140	<b>1040</b>	930	805	658	1,72	2,25
	534041	8	x 50	x 1	400	1393	1290	<b>1175</b>	1050	912	743	1,72	2,25
	534050	5	x 80	x 1	400	1390	1285	<b>1175</b>	1050	910	743	1,65	2,12
	534036	10	x 40	x 1	400	1400	1295	<b>1181</b>	1055	915	747	1,72	2,25
	534046	6	x 63	x 1	378	1437	1330	<b>1215</b>	1085	941	768	1,65	2,12
1250 A	534051	6	x 80	x 1	480	1627	1505	<b>1375</b>	1230	1065	870	1,65	2,12
	534055	5	x 100	x 1	500	1635	1515	<b>1385</b>	1235	1070	876	1,6	2,02
	534042	10	x 50	x 1	500	1650	1525	<b>1395</b>	1245	1080	882	1,72	2,25
	534047	8	x 63	x 1	504	1650	1525	<b>1395</b>	1245	1080	882	1,65	2,12
	534056	6	x 100	x 1	600	1843	1705	<b>1550</b>	1393	1205	980	1,6	2,02
1600 A	534048	10	x 63	x 1	630	1895	1755	<b>1600</b>	1435	1240	1012	1,65	2,12
	534052	8	x 80	x 1	640	1895	1755	<b>1600</b>	1430	1240	1012	1,65	2,12
	534053	10	x 80	x 1	800	2100	1945	<b>1775</b>	1585	1375	1123	1,65	2,12
	534057	8	x 100	x 1	800	2147	1990	<b>1815</b>	1625	1405	1148	1,6	2,02
	534058	10	x 100	x 1	1000	2350	2170	<b>1985</b>	1775	1535	1255	1,6	2,02
	534059	12	x 100	x 1	1200	2500	2315	<b>2115</b>	1890	1636	1338	1,6	2,02
	534060	10	x 120	x 1	1200	2755	2550	<b>2330</b>	2070	1792	1474	1,49	1,95

ADMISSIBLE CURRENTS: This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

# Flexibar Advanced

## UNIQUE - SAFER - FLEXIBLE

### Selection of Flexibar Advanced according to the internal temperature of the panel



### TEMPERATURE RISE OF CONDUCTOR = $T_2 - T_1 = \Delta T$ (K)

Ex: For a current of 630A, with:  $T_1 = 40^\circ\text{C}$  and  $T_2 = 90^\circ\text{C}$

- 1)  $\Delta T = 90 - 40 = 50\text{K}$
- 2) In the 50°K column, find the closest current value to 630A.  
Flexibar Advanced 5x32x1 - 552650 - 160 mm<sup>2</sup> - 640A.
- 3) Select Flexibar Advanced according to the terminal width of the equipment being connected.

K = Kelvin degree (temperature calculated, but not measurable)

### FLEXIBAR ADVANCED IN PARALLEL

When using 2 or 3 Flexibar Advanced on edge in parallel for the same phase, use the coefficient:

Ex: 5 x 32 x 1 :  $\Delta T^\circ = 50\text{K}$ : 640 A

2 bars in parallel : 640 A x 1,72 = 1100 A

3 bars in parallel : 640 A x 2,25 = 1440 A



### CERTIFICATION & APPROVALS

- International Commission Electrotechnique (IEC) - Meets all requirements of IEC 61439.1
- UL 67 Recognized component in the Panelboard and Switchboard accessories – component category (UL file E125470) for US
- UL 758 Recognized component in the “Appliance wiring material - component” category style 11681
- CSA 90005
- CE Conformity
- RoHS compliant
- Class II Conductors (IEC 61439-1, Chapter 8.4.4 - Protection by total insulation)
- Low Smoke IEC 61034-2, ISO 5659-2 and UL 2885
- Halogen-free UL 2885, IEC 60754-1 and IEC 62821-1
- Flame retardant UL94-V0
- Glow wire test at 960°C (IEC 60695-2)
- UV rating according to UL 2556 and UL 854
- EN 45545 obtaining an HL2 classification for chapters R22 and R23
- Bureau Veritas Marine and Offshore Division - for the Classification of Steel Ships and according IEC 60092 (Electrical installations on ships)
- American Bureau of Shipping (ABS) - Marine & Offshore Applications



# Flexibar Advanced Part Numbers

## 2 METERS TINNED COPPER

Part Number	Global Part Number	Flexibar Description		 Kg
534000	FADV2MTC8X6	Flexibar Advanced 2 m Tinned Copper 8X6X0,5	4	0,35
534001	FADV2MTC3X9	Flexibar Advanced 2 m Tinned Copper 3X9X0,8	4	0,43
534002	FADV2MTC6X9	Flexibar Advanced 2 m Tinned Copper 6X9X0,8	4	0,81
534003	FADV2MTC9X9	Flexibar Advanced 2 m Tinned Copper 9X9X0,8	4	1,19
534004	FADV2MTC3X13	Flexibar Advanced 2 m Tinned Copper 3X13X0,5	4	0,45
534005	FADV2MTC6X13	Flexibar Advanced 2 m Tinned Copper 6X13X0,5	4	0,79
534006	FADV2MTC2X15-5	Flexibar Advanced 2 m Tinned Copper 2X15,5X0,8	4	0,51
534007	FADV2MTC4X15-5	Flexibar Advanced 2 m Tinned Copper 4X15,5X0,8	4	1,02
534008	FADV2MTC6X15-5	Flexibar Advanced 2 m Tinned Copper 6X15,5X0,8	4	1,50
534009	FADV2MTC10X15-5	Flexibar Advanced 2 m Tinned Copper 10X15,5X0,8	4	2,20
534010	FADV2MTC2X20X1	Flexibar Advanced 2 m Tinned Copper 2X20X1	3	1,05
534011	FADV2MTC3X20X1	Flexibar Advanced 2 m Tinned Copper 3X20X1	3	1,42
534012	FADV2MTC4X20X1	Flexibar Advanced 2 m Tinned Copper 4X20X1	3	1,78
534013*	FADV2MTC5X20X1	Flexibar Advanced 2 m Tinned Copper 5X20X1	3	2,15
534014*	FADV2MTC6X20X1	Flexibar Advanced 2 m Tinned Copper 6X20X1	3	2,41
534015*	FADV2MTC10X20X1	Flexibar Advanced 2 m Tinned Copper 10X20X1	3	3,99
534016	FADV2MTC2X24X1	Flexibar Advanced 2 m Tinned Copper 2X24X1	3	1,24
534017	FADV2MTC3X24X1	Flexibar Advanced 2 m Tinned Copper 3X24X1	3	1,68
534018	FADV2MTC4X24X1	Flexibar Advanced 2 m Tinned Copper 4X24X1	3	2,12
534019*	FADV2MTC5X24X1	Flexibar Advanced 2 m Tinned Copper 5X24X1	3	2,55
534020*	FADV2MTC6X24X1	Flexibar Advanced 2 m Tinned Copper 6X24X1	3	2,99
534021*	FADV2MTC8X24X1	Flexibar Advanced 2 m Tinned Copper 8X24X1	3	3,87
534022*	FADV2MTC10X24X1	Flexibar Advanced 2 m Tinned Copper 10X24X1	3	4,75
534023	FADV2MTC2X32X1	Flexibar Advanced 2 m Tinned Copper 2X32X1	2	1,62
534024	FADV2MTC3X32X1	Flexibar Advanced 2 m Tinned Copper 3X32X1	2	2,20
534025	FADV2MTC4X32X1	Flexibar Advanced 2 m Tinned Copper 4X32X1	2	2,78
534026*	FADV2MTC5X32X1	Flexibar Advanced 2 m Tinned Copper 5X32X1	2	3,36
534027*	FADV2MTC6X32X1	Flexibar Advanced 2 m Tinned Copper 6X32X1	2	3,94
534028*	FADV2MTC8X32X1	Flexibar Advanced 2 m Tinned Copper 8X32X1	2	5,10
534029*	FADV2MTC10X32X1	Flexibar Advanced 2 m Tinned Copper 10X32X1	2	6,27
534030	FADV2MTC2X40X1	Flexibar Advanced 2 m Tinned Copper 2X40X1	2	1,99
534031	FADV2MTC3X40X1	Flexibar Advanced 2 m Tinned Copper 3X40X1	2	2,72
534032	FADV2MTC4X40X1	Flexibar Advanced 2 m Tinned Copper 4X40X1	2	3,44
534033*	FADV2MTC5X40X1	Flexibar Advanced 2 m Tinned Copper 5X40X1	2	4,16
534034*	FADV2MTC6X40X1	Flexibar Advanced 2 m Tinned Copper 6X40X1	2	4,89
534035*	FADV2MTC8X40X1	Flexibar Advanced 2 m Tinned Copper 8X40X1	2	6,33
534036*	FADV2MTC10X40X1	Flexibar Advanced 2 m Tinned Copper 10X40X1	2	7,78
534037	FADV2MTC3X50X1	Flexibar Advanced 2 m Tinned Copper 3X50X1	1	3,37
534038*	FADV2MTC4X50X1	Flexibar Advanced 2 m Tinned Copper 4X50X1	1	4,27
534039*	FADV2MTC5X50X1	Flexibar Advanced 2 m Tinned Copper 5X50X1	1	5,17
534040*	FADV2MTC6X50X1	Flexibar Advanced 2 m Tinned Copper 6X50X1	1	6,07
534041*	FADV2MTC8X50X1	Flexibar Advanced 2 m Tinned Copper 8X50X1	1	7,87
534042*	FADV2MTC10X50X1	Flexibar Advanced 2 m Tinned Copper 10X50X1	1	9,68
534044*	FADV2MTC4X63X1	Flexibar Advanced 2 m Tinned Copper 4X63X1	1	5,34
534045*	FADV2MTC5X63X1	Flexibar Advanced 2 m Tinned Copper 5X63X1	1	6,48
534046*	FADV2MTC6X63X1	Flexibar Advanced 2 m Tinned Copper 6X63X1	1	7,61
534047*	FADV2MTC8X63X1	Flexibar Advanced 2 m Tinned Copper 8X63X1	1	9,88
534048*	FADV2MTC10X63X1	Flexibar Advanced 2 m Tinned Copper 10X63X1	1	12,14
534049*	FADV2MTC4X80X1	Flexibar Advanced 2 m Tinned Copper 4X80X1	1	6,75
534050*	FADV2MTC5X80X1	Flexibar Advanced 2 m Tinned Copper 5X80X1	1	8,19
534051*	FADV2MTC6X80X1	Flexibar Advanced 2 m Tinned Copper 6X80X1	1	9,62
534052*	FADV2MTC8X80X1	Flexibar Advanced 2 m Tinned Copper 8X80X1	1	12,49
534053*	FADV2MTC10X80X1	Flexibar Advanced 2 m Tinned Copper 10X80X1	1	15,37
534055*	FADV2MTC5X100X1	Flexibar Advanced 2 m Tinned Copper 5X100X1	1	10,20
534056*	FADV2MTC6X100X1	Flexibar Advanced 2 m Tinned Copper 6X100X1	1	11,99
534057*	FADV2MTC8X100X1	Flexibar Advanced 2 m Tinned Copper 8X100X1	1	15,57
534058*	FADV2MTC10X100	Flexibar Advanced 2 m Tinned Copper 10X100X1	1	19,16
534059*	FADV2MTC12X100	Flexibar Advanced 2 m Tinned Copper 12X100X1	1	22,74
534060*	FADV2MTC10X120	Flexibar Advanced 2 m Tinned Copper 10X120X1	1	22,90

All Flexibar Advanced cross sections can be bent, folded or twisted with a small bending radius for shorter and more compact power connections, from 125A up to 4500A applications.



\*nVent ERIFLEX Patent insulation

# Accessories



**FLEXIBAR STANDARD KITS**

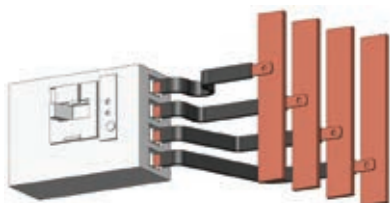
- Application: connections between busbar and fixed switchgear
- Kit is comprised of Flexibar Standard preformed and punched at the 2 extremities & end covers
- Only 1 kit for 3 configuration options
- Intensity range: from 250A to 630A



## END COVER 20, 24 & 32

- End Cover 20: Accessory for nVent ERIFLEX Flexibar 20 mm, Kit 250T and TN, IBS Adv 25, IBS Adv 50, IBSB Adv 50 and IBSB Adv 70
- End Cover 24: Accessory for nVent ERIFLEX Flexibar 24 mm and IBSB Adv 100
- End Cover 32: Accessory for nVent ERIFLEX Flexibar 32 mm, Kit 630A T and TN, IBSB Adv 120, 185 and 240.
- Transparent cover Visual inspection
- Halogen-free
- Self-extinguishing: UL 94 V-0
- RoHS compliant
- Easy-fitting after bolting
- IEC 61439-1

## FLEXIBAR STANDARD KIT 250A

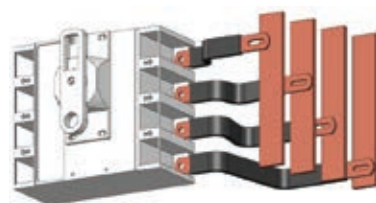


3 Phases | 3 Phases + Neutral  
 Kit 250A T | Kit 250A TN

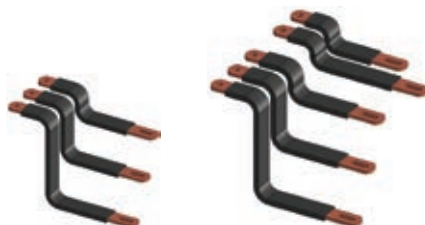


Part No.	Description		kg/lbs
541800	Kit 250A T	1	0,76/1.68
541805	Kit 250A TN	1	0,98/2.16
534800	Kit 250A T Advanced	1	0,76/1.68
534805	Kit 250A TN Advanced	1	0,98/2.16

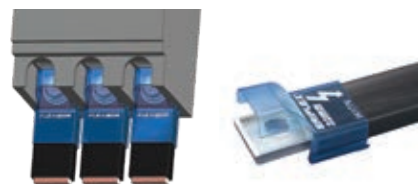
## FLEXIBAR STANDARD KIT 630A



3 Phases | 3 Phases + Neutral  
 Kit 630A T | Kit 630A TN



Part No.	Description		kg/lbs
541810	Kit 630A T	1	2,10/4.63
541815	Kit 630A TN	1	3,10/6.83
534810	Kit 630A T Advanced	1	2,10/4.63
534815	Kit 630A TN Advanced	1	3,10/6.83



Part No.	Description		kg/lbs
541774	End Cover 20	12	0,19/0.42
541775	End Cover 24	12	0,22/0.48
541776	End Cover 32	12	0,26/0.57

# Accessories



**SPACER CLAMPS**

- Easy to install
- Fixes and maintains the weight of Flexibar range
- Facilitates cooling



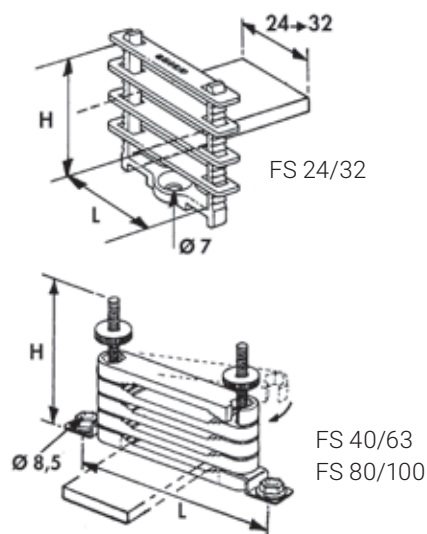
## UFS KIT SUPPORT

Assembly comprised of a 2 m aluminum section and 24 retaining blocks made of glass-reinforced halogen-free polyamide

- Possible to make up 3 supports, 650 mm long each for 4 Flexibar range
- Recommended distance between clamps: 400 mm max for Flexibar and 630 mm Max for IBS/IBSB Advanced

## FS SPACER CLAMP

- Ensures correct support for Flexibar range and IBSB Advanced in parallel, without damage to the insulation
- Maintains correct space for optimum cooling
- 4 Flexibar range in parallel maximum
- UL 67
- Recommended distance between clamps: 400 mm for Flexibar and 630 mm Max for IBS/IBSB Advanced

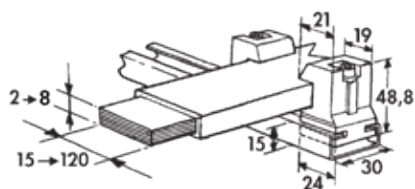
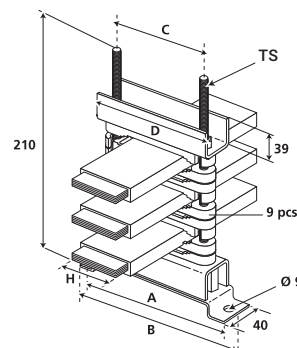


Part No.	Description	Type*	H mm	L mm		Kg
553550	FS 24	=< 24 mm	53	30	25	0,015
553560	FS 32	=< 32 mm	53	38	25	0,018
553570	FS 40-63	40-50 & 63 mm	95	150	10	0,100
553580	FS 80-100	80/100 mm	140	200	10	0,250

\* Type of Flexibar and IBS/IBSB Advanced

## RFS REINFORCED SUPPORT

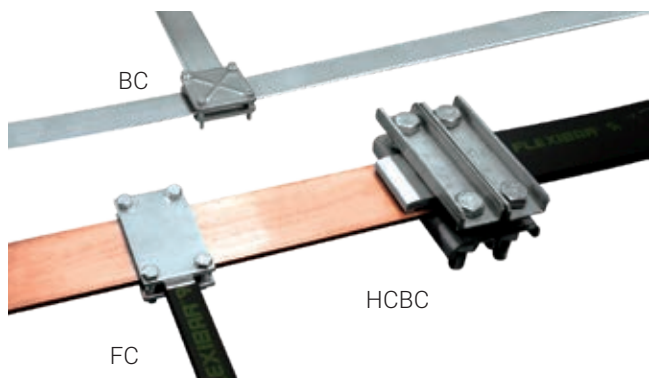
- Allows up to 8 Flexibar range in parallel.
- Easy mounting in the panel. (25 mm pitch)
- Recommended distance between clamps: 400 mm



Part No.	Description		Kg
553590	UFS Kit	1	2,3

Part No.	Description	A mm	B mm	C mm	D mm	TS	Flexibar H mm		Kg
553370	RFS 40-63	150	175	90	120	M8	40=>63	1	0,932
553380	RFS 80-100	200	225	140	170	M10	80=>100	1	1,430

# Accessories

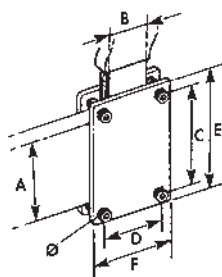


### CONNECTING CLAMPS

- Excellent electrical contact
- Saves space
- Fast installation
- Ideal for on site modifications

## FC CLAMP

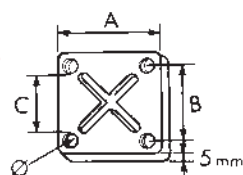
- Clamping capacity: 20 mm
- 2 zinc plated steel plates complete with M8 screws 8.8 class



Part No.	Description	A mm	B mm	C mm	D mm	E mm	F mm	Torque N.m	Box	Kg
553020	FC 50 x 24	50	20-24	60	36	75	52	10	3	0,319
553030	FC 50 x 32	50	32	60	44	75	60	10	3	0,362
553040	FC 50 x 40	50	40	60	52	75	68	10	3	0,412
553050	FC 80 x 24	80	20-24	90	36	105	52	10	3	0,432
553060	FC 80 x 32	80	32	90	44	105	60	10	3	0,492
553070	FC 80 x 50	80	50	90	62	105	78	10	3	0,642
568700	FC 100 x 32	100	32	110	44	125	60	10	3	0,670
568730	FC 120 x 32	120	32	130	44	145	60	10	3	0,760

## BC RIBBED-STEEL BUSBAR CLAMP

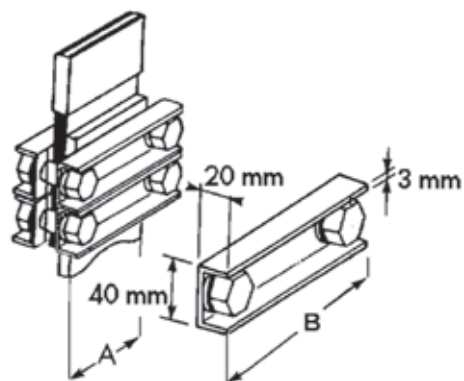
- Clamping capacity: 20 mm
- 2 ribbed zinc-plated hardened-steel plates complete with screws
- Maximum clamping capacity is 50 mm using longer screws 8.8 class
- UL 67 recognized



Part No.	Description	A mm	B mm	C mm	Ø mm	Torque N.m	Box	Kg
553200	BC 30	56	42	30	M6	7	8	0,31
553210	BC 40	66	52	40	M6	7	8	0,37
553220	BC 50	83	64	50	M8	20	8	0,59
553230	BC 63	93	74	63	M8	20	4	0,74
553250	BC 80	118	96	80	M10	40	4	0,118
553260	BC 100	144	118	100	M10	40	4	1,72

## HCBC HIGH CURRENT BUSBAR CLAMP

- Clamping capacity: 40 mm
- This modular busbar clamp is designed with non-magnetic materials for high current connections between Flexibar range and rigid busbars such as transformer terminals
- Design assures rigidity and even contact pressure
- Use 2 clamps to guarantee the contact pressure



Part No.	Description	A mm	B mm	Torque N.m	Box	Kg
553100	HSBC 80	80	140	100	1	0,84
553110	HSBC 100	100	160	100	1	0,92
553120	HSBC 120	120	180	100	1	1,00



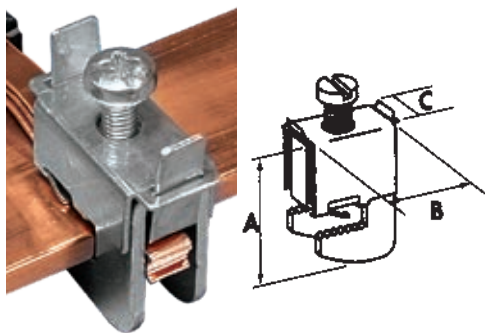
# Accessories



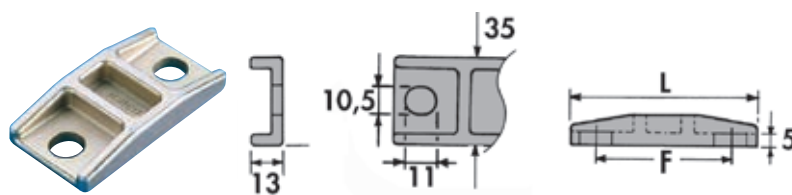
## FBC CONNECTORS FOR CONNECTING WITHOUT DRILLING

- Very compact for connection without drilling to a 5 mm or 10 mm thick busbar
- Cables from 1 mm<sup>2</sup> up to 185 mm<sup>2</sup> or Flexibar range width 6 mm to 20 mm
- Self-support of connector during mounting procedure
- IEC 60 999

Part No.	Description	A mm	B mm	C mm	Flexibar Type mm	Torque N.m	Cable Size mm <sup>2</sup>		Kg
553405	FBC 5 x 4	23	29	11	-	2	1 - 4	15	0,016
553400	FBC 5 x 6	28	31	14	6	3	2,5 - 16	15	0,028
553410	FBC 5 x 9	36	40	19	9	6-8	16 - 50	15	0,068
553510	FBC 5 x 15,5	44	40	25	15,5	10-12	35 - 70	15	0,110
553520	FBC 5 x 20	48	40	31	20	12-15	70 - 185	15	0,132



Part No.	Description	A mm	B mm	C mm	Flexibar Type mm	Torque N.m	Cable Size mm <sup>2</sup>		Kg
553505	FBC 10 x 4	28	29	12	-	2	1 - 4	15	0,018
553430	FBC 10 x 6	33	31	14	6	3	2,5 - 16	15	0,030
553440	FBC 10 x 9	42	40	19	9	6 - 8	16 - 50	15	0,070
553530	FBC 10 x 15,5	49	40	25	15,5	10 - 12	35 - 70	15	0,112
553540	FBC 10 x 20	54	40	31	20	12 - 15	70 - 185	15	0,138



## QCC CLAMPS

- For Flexibar thickness < 5 mm = 1 clamp
- For Flexibar thickness > 5 mm = 2 clamps

Part No.	Description	Flexibar width		L mm	F mm		Kg
		min. mm	max. mm				
561210	QCC 15,5/32	15,5	32	70	50	5	0,112
561220	QCC 40/63	40	63	95	75	5	0,158

## CONT KIT METAL NUTS AND BOLTS



- Contact Kit
- Enhanced electrical contact
  - 100 nuts - 100 bolts - 200 flat washers
  - 200 contact washers (class 8/8 ZN8C protection)

Part No.	Description	Dimensions	Torque N.m		Kg
558310	Cont Kit M6 x 16	HM 6 x 16	13	100	0,012
558340	Cont Kit M8 x 30	HM 8 x 30	30	100	0,028
558370	Cont Kit M10 x 30	HM 10 x 30	60	100	0,052
558410	Cont Kit M10 x 50	HM 10 x 50	60	100	0,062
558440	Cont Kit M12 x 30	HM 12 x 30	110	100	0,081
558460	Cont Kit M12 x 40	HM 12 x 40	110	100	0,091
558480	Cont Kit M12 x 50	HM 12 x 50	110	100	0,097
567880	Cont Kit M12 x 60	HM 12 x 60	110	100	0,116
558490	Cont Kit M12 x 80	HM 12 x 80	110	100	0,150

# Flexibar Hydraulic Work Center



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Hydraulic Busbar & Flexibar Puncher



Hydraulic Busbar Bender



Hydraulic Busbar Cutter



Shearing Tool Ruler



Hydraulic Pump & Foot Controller

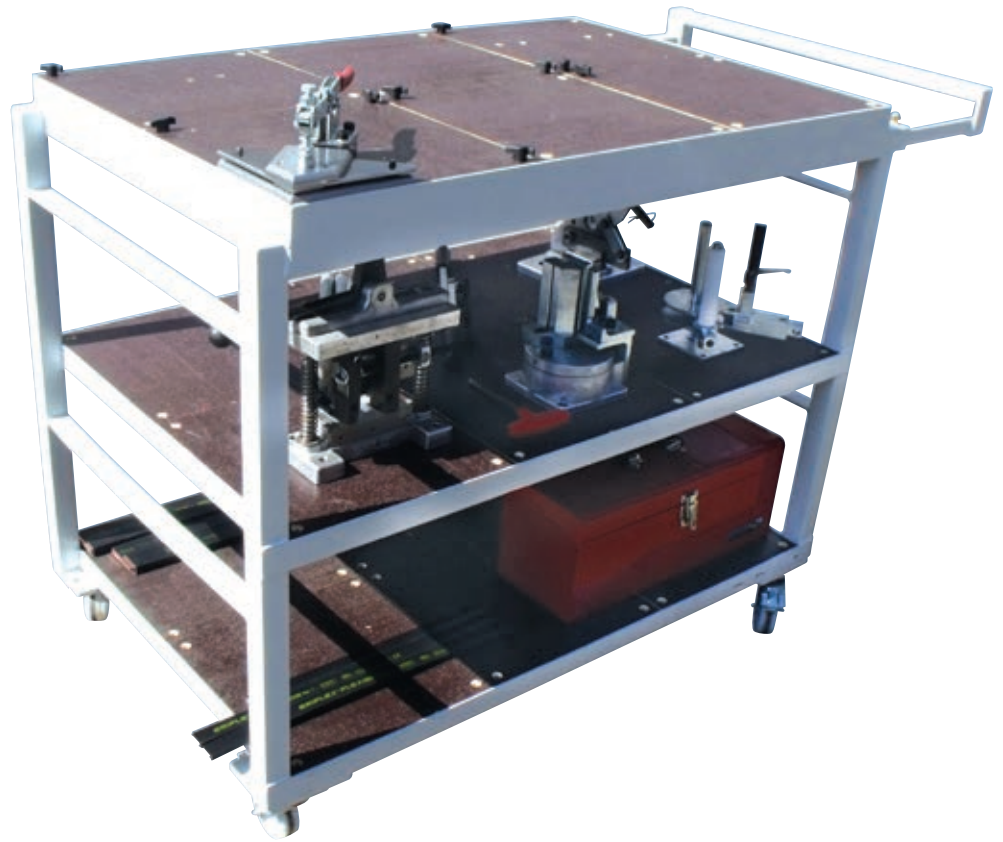


Hydraulic Flexibar Shearing Tool



Shearing Tool Guide

# Flexibar Manual Work Center



Shearing Tools



Twisting Tool



Bending Tools



Drilling Tool



Punching Tools



Folding Tool



Stripping Tool



Stripping Knife



Bending Tool

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