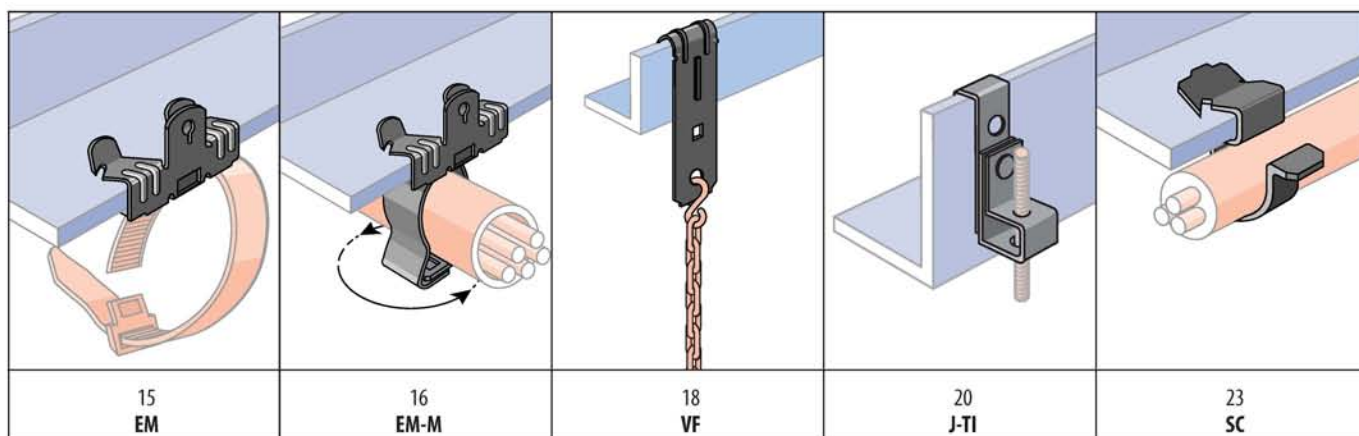
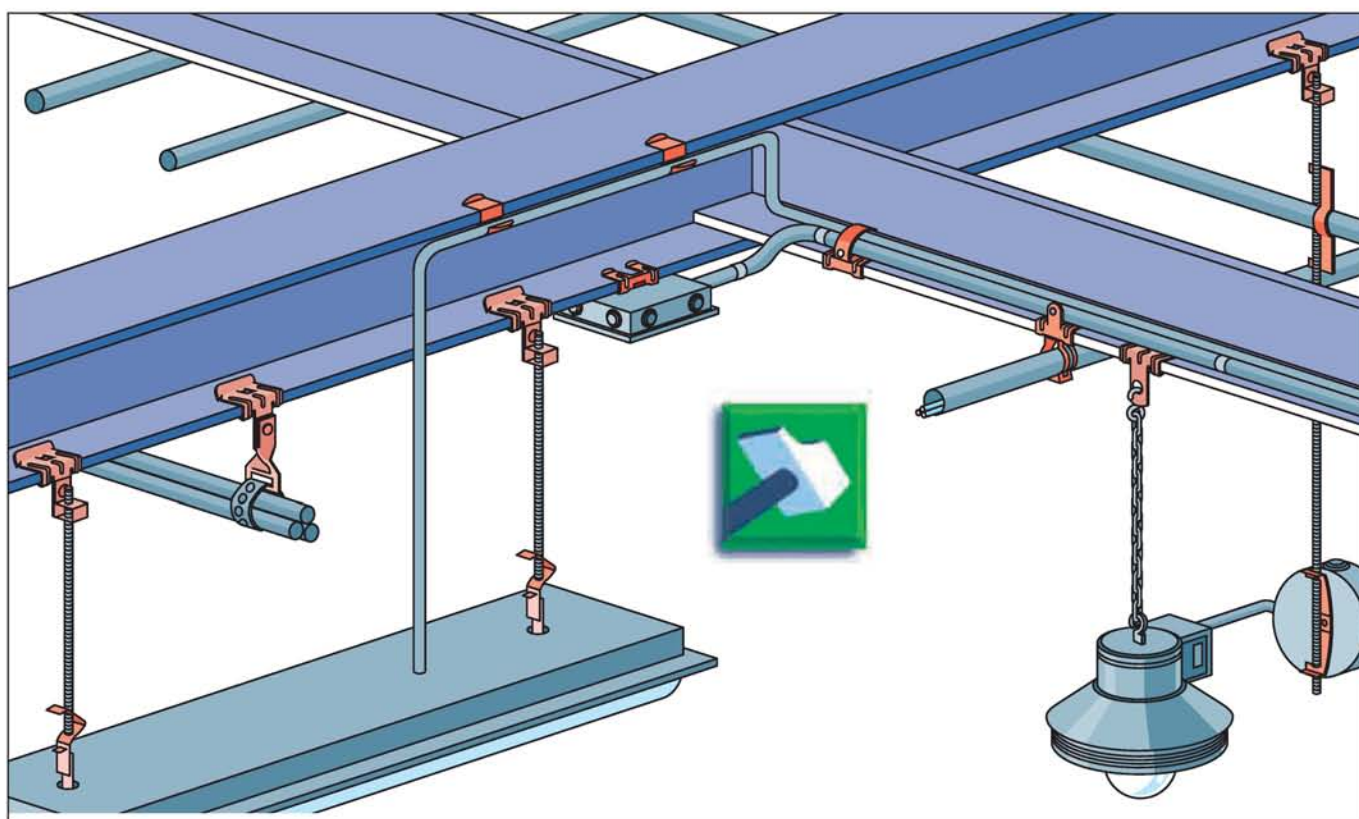
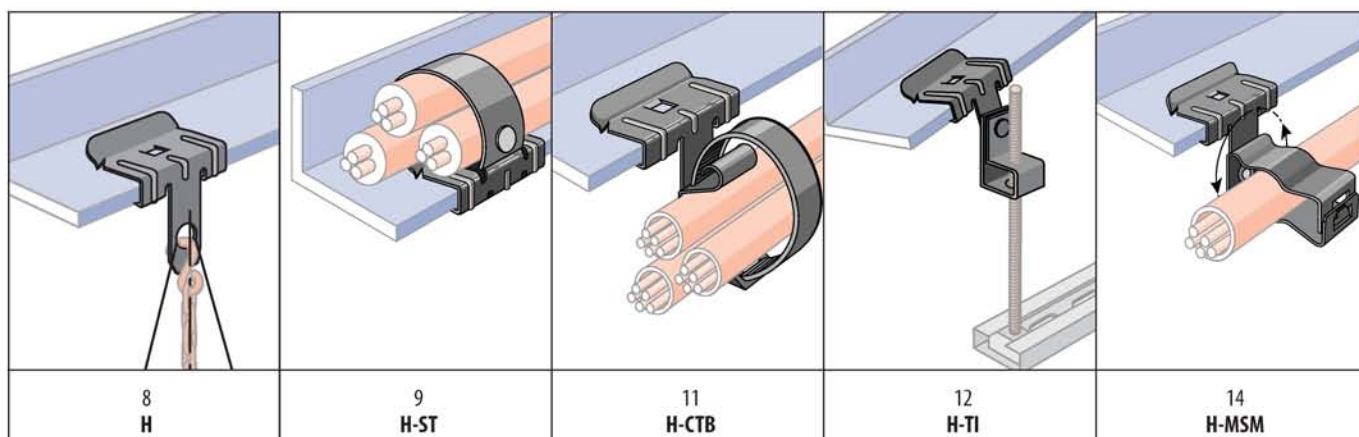


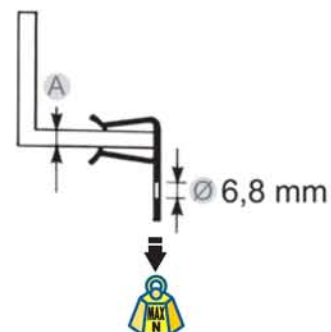
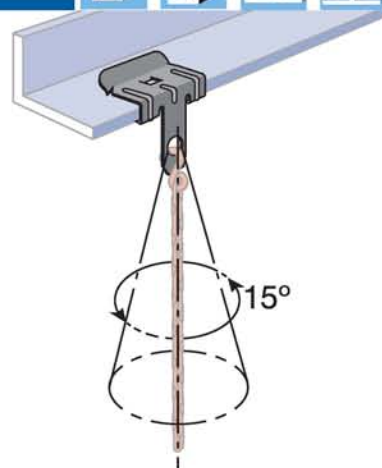
3. HAMMER-ON RANGE



H



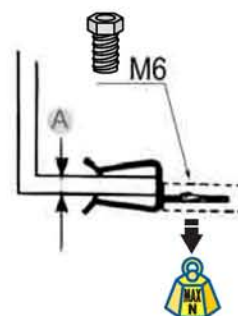
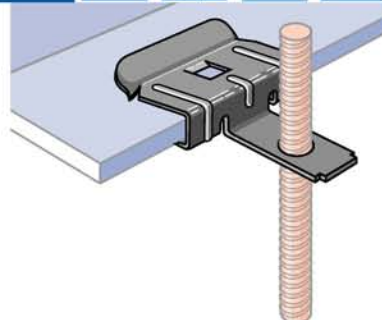
		A mm			
2H4	170010	2-3	7	100	700
4H24	170020	3-8	7	100	900
4H58	170030	8-14	7	100	900
4H912	170040	14-20	7	100	900



H-i



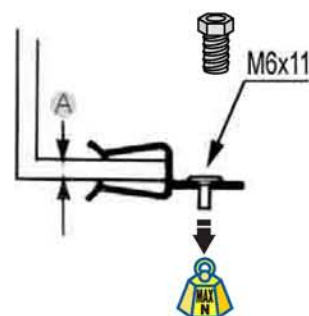
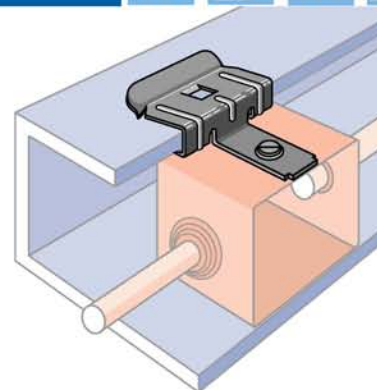
		A mm			
4H24i	170150	3-8	7	100	150
4H58i	170250	8-14	7	100	150



H-iX



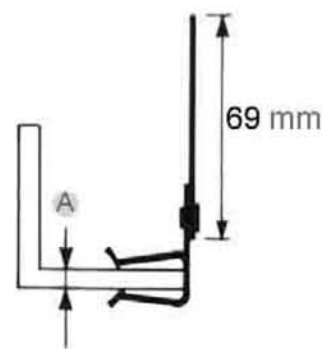
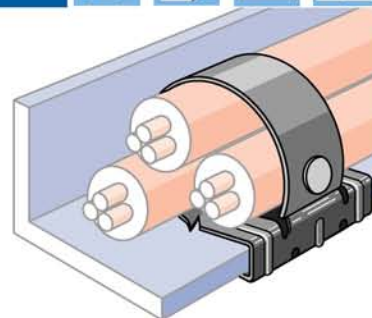
		A mm			
4H24iX	170140	3-8	7	100	150
4H58iX	170160	8-14	7	100	150



H-ST



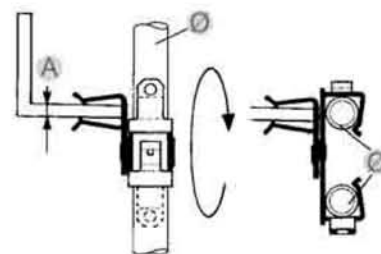
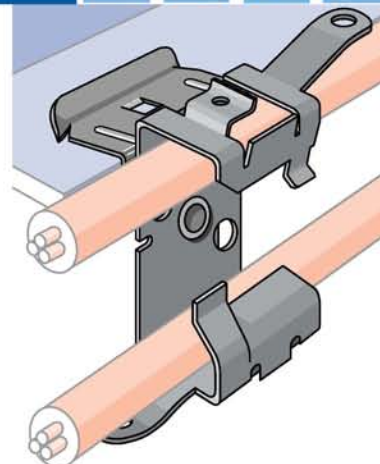
		A mm		
2H4ST3	173420	2-3	7	100
4H24ST3	171500	3-8	7	100
4H58ST3	171530	8-14	7	100
4H912ST3	171640	14-20	7	100



H-MAC2



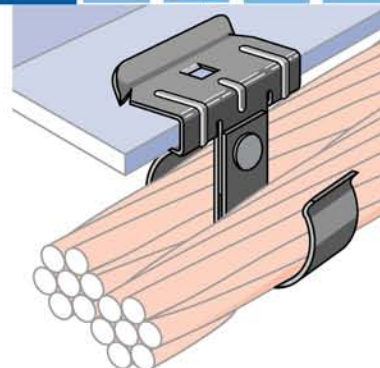
		A mm	Ø mm		
2H4MAC2	173110	2-3	12,5-14,5	7	100
4H24MAC2	173150	3-8	12,5-14,5	7	100
4H58MAC2	173160	8-14	12,5-14,5	7	100
4H912MAC2	173410	14-20	12,5-14,5	7	100



H-CA/CB



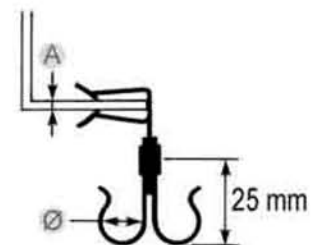
		A mm	Ø mm		
2H4/1012A	170460	2-3	10,9-13	7	100
4H24/1012A	170480	3-8	10,9-13	7	100
2H4/1214A	170470	2-3	12,4-16	7	100
4H24/1214A	170630	3-8	12,4-16	7	100
2H4/1012B	170830	2-3	10,9-13	7	100
4H24/1012B	170850	3-8	10,9-13	7	100
2H4/1214B	170840	2-3	12,4-16	7	100
4H24/1214B	170640	3-8	12,4-16	7	100



CA



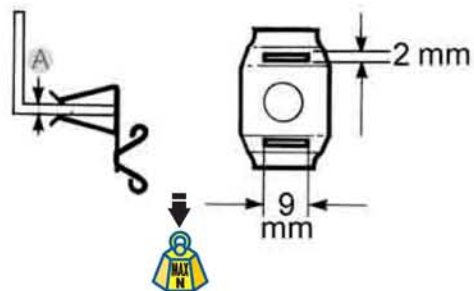
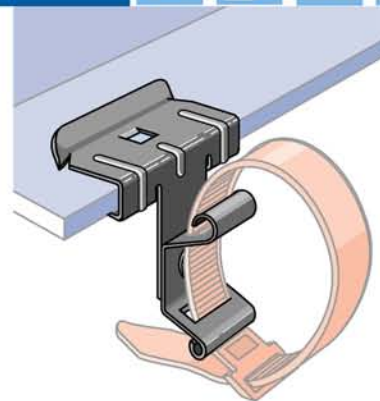
CB



H-CT • H-CTIN

		A mm	P		
2H4CT	178510	2-3	7	100	150
4H24CT	178520	3-8	7	100	150
4H58CT	178530	8-14	7	100	150
4H912CT	178540	14-20	7	100	150

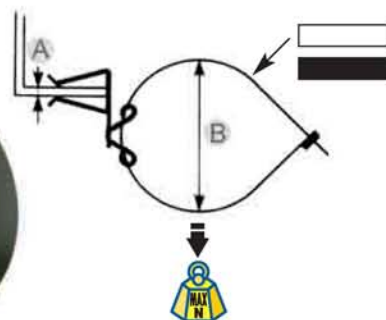
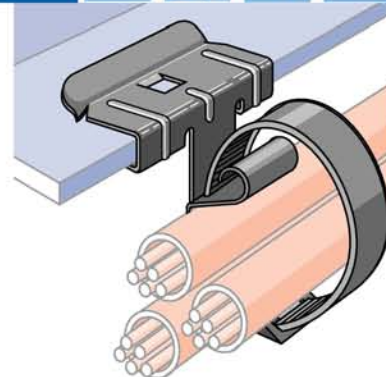
		A mm	P		
2H4CTIN	178550	2-3	7	100	150
4H24CTIN	160470	3-8	7	100	150
4H58CTIN	160480	8-14	7	100	150
4H912CTIN	160490	14-20	7	100	150



H-CTB

		A mm	B mm	P		
2H4CTBW	170170	2-3	10-70	7	100	150
4H24CTBW	170180	3-8	10-70	7	100	150
4H58CTBW	170190	8-14	10-70	7	100	150
4H912CTBW	170200	14-20	10-70	7	100	150

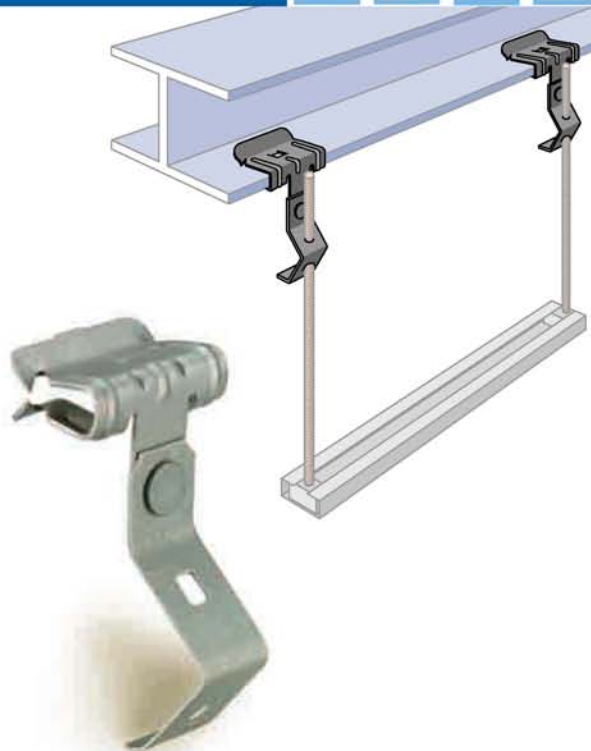
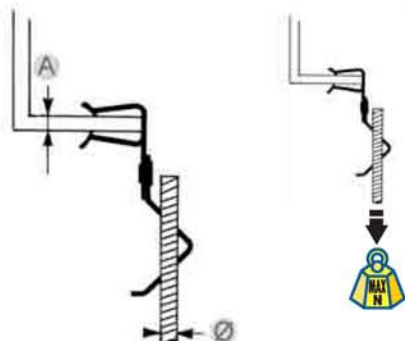
2H4CTBB	170210	2-3	10-70	7	100	150
4H24CTBB	170220	3-8	10-70	7	100	150
4H58CTBB	170240	8-14	10-70	7	100	150
4H912CTBB	170260	14-20	10-70	7	100	150



H-MA



	N°	A mm	Ø mm	P		
M6MA4	173230	2-3	M6	7	100	600
M6MA24	173240	3-8	M6	7	100	600
M6MA58	173250	8-14	M6	7	100	600
M6MA912	173260	14-20	M6	7	100	600
M8MA4	173270	2-3	M8	7	100	700
M8MA24	173280	3-8	M8	7	100	700
M8MA58	173290	8-14	M8	7	100	700
M8MA912	173300	14-20	M8	7	100	700
M10MA4	173310	2-3	M10	7	100	700
M10MA24	173320	3-8	M10	7	100	700
M10MA58	173330	8-14	M10	7	100	700
M10MA912	173340	14-20	M10	7	100	700

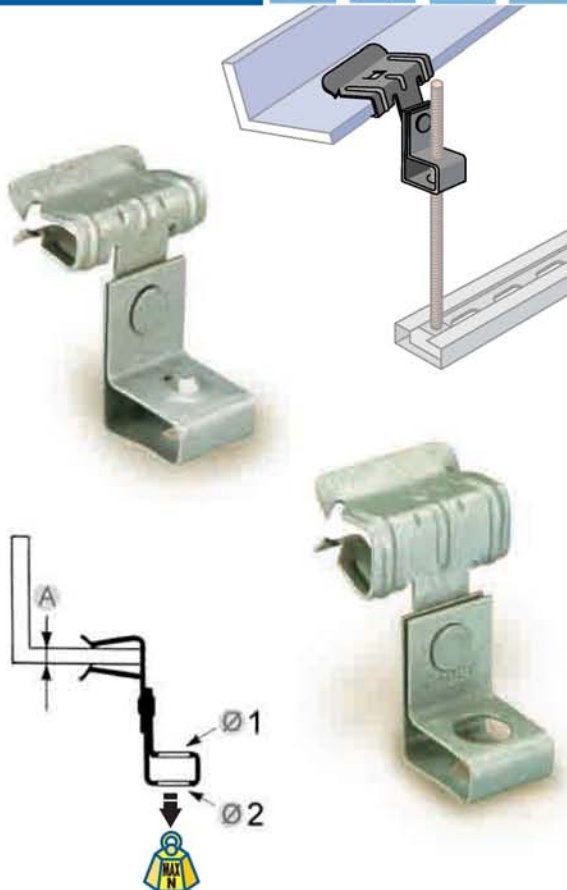


H-Ti/T



	N°	A mm	Ø 1	Ø 2 mm	P		
M6Ti4	174810	2-3	M6	7	7	100	700
M6Ti24	174820	3-8	M6	7	7	100	900
M6Ti58	174830	8-14	M6	7	7	100	900
M6Ti912	174840	14-20	M6	7	7	100	900
M8Ti4	174900	2-3	M8	8,5	7	100	700
M8Ti24	174910	3-8	M8	8,5	7	100	900
M8Ti58	174920	8-14	M8	8,5	7	100	900
M8Ti912	174930	14-20	M8	8,5	7	100	900
M10Ti4	174990	2-3	M10	11	7	100	700
M10Ti24	175000	3-8	M10	11	7	100	900
M10Ti58	175010	8-14	M10	11	7	100	900
M10Ti912	175020	14-20	M10	11	7	100	900

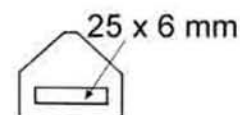
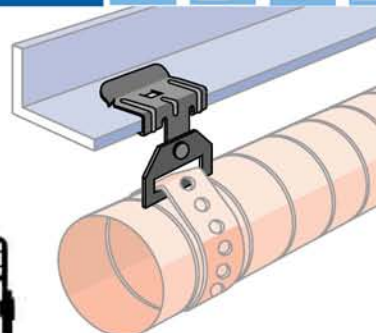
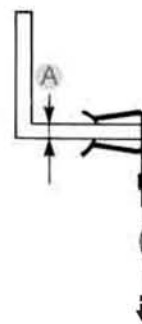
Ti04	160000	2-3	11	11	7	100	700
Ti024	160010	3-8	11	11	7	100	900
Ti058	160020	8-14	11	11	7	100	900
Ti0912	160030	14-20	11	11	7	100	900



H-S



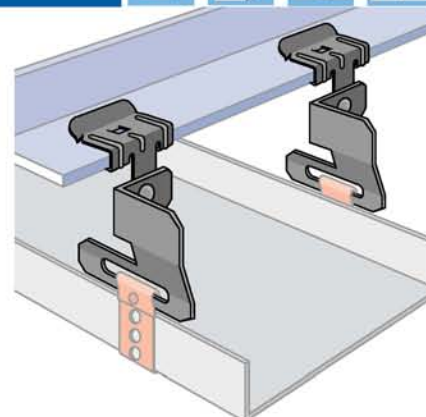
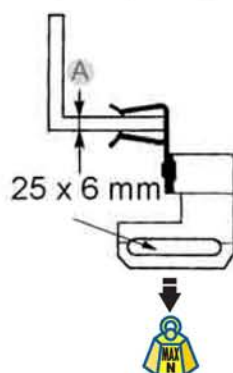
		N°	A mm	P		
S4		175480	2-3	7	100	700
S24		172030	3-8	7	100	900
S58		171760	8-14	7	100	900
S912		171770	14-20	7	100	900



H-SR



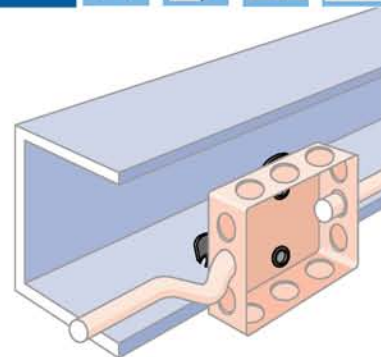
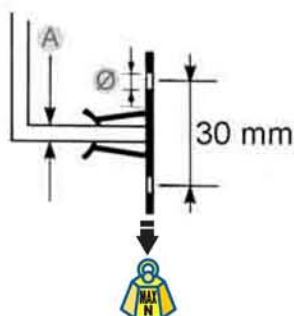
		N°	A mm	P		
SR4		175540	2-3	7	100	700
SR24		171810	3-8	7	100	900
SR58		175550	8-14	7	100	900
SR912		172020	14-20	7	100	900



H-Di



		N°	A mm	Ø mm	P		
4H24Di		350000	3-8	5,1	7	100	150

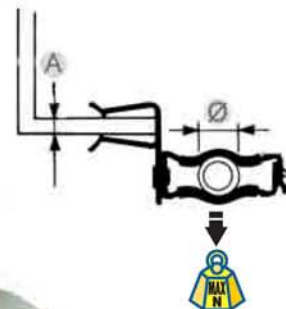
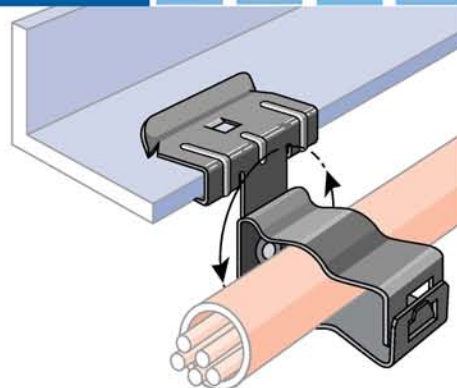


H-MSM



		A mm	Ø mm			
6M4SM	173630	2-3	14-18	7	100	120
6M24SM	173640	3-8	14-18	7	100	120
6M58SM	171980	8-14	14-18	7	100	120
6M912SM	173650	14-20	14-18	7	100	120

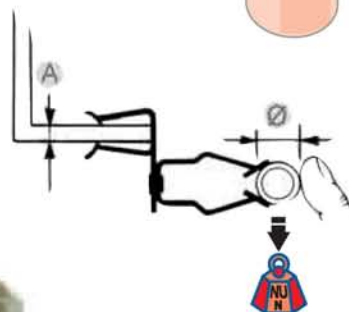
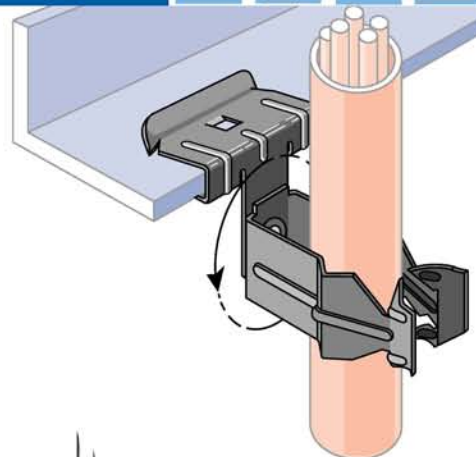
812M4SM	160040	2-3	18-30	7	100	120
812M24SM	160050	3-8	18-30	7	100	120
812M58SM	160060	8-14	18-30	7	100	120
812M912SM	160070	14-20	18-30	7	100	120
16M4SM	173710	2-3	30-35	7	100	120
16M24SM	173720	3-8	30-35	7	100	120
16M58SM	173730	8-14	30-35	7	100	120
16M912SM	173740	14-20	30-35	7	50	120
20M4SM	173750	2-3	35-42	7	50	120
20M24SM	171720	3-8	35-42	7	100	120
20M58SM	173770	8-14	35-42	7	100	120
20M912SM	173780	14-20	35-42	7	100	120
24M4SM	173790	2-3	42-50	7	50	120
24M24SM	176690	3-8	42-50	7	50	120
24M58SM	173800	8-14	42-50	7	50	120
24M912SM	173810	14-20	42-50	7	50	120
32M4SM	173820	2-3	50-60	7	50	120
32M24SM	173830	3-8	50-60	7	50	120
32M58SM	173840	8-14	50-60	7	50	120
32M912SM	173850	14-20	50-60	7	50	120



H-PSM



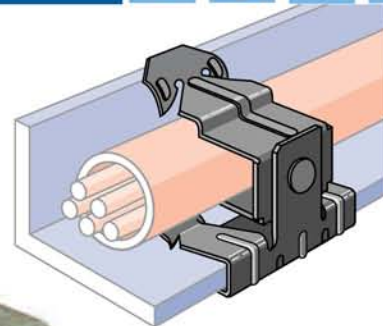
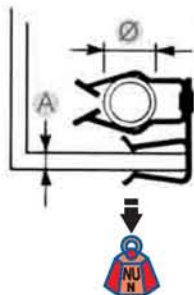
		A mm	Ø mm			
8P4SM	175170	2-3	18-22	7	100	70
8P24SM	175180	3-8	18-22	7	100	70
8P58SM	175190	8-14	18-22	7	100	70
8P912SM	175200	14-20	18-22	7	100	70
12P4SM	175210	2-3	22-30	7	100	70
12P24SM	175220	3-8	22-30	7	100	70
12P58SM	175230	8-14	22-30	7	100	70
12P912SM	175240	14-20	22-30	7	50	70
16P4SM	175250	2-3	30-35	7	100	70
16P24SM	175260	3-8	30-35	7	100	70
16P58SM	175270	8-14	30-35	7	100	70
16P912SM	175280	14-20	30-35	7	50	70



H-PiN



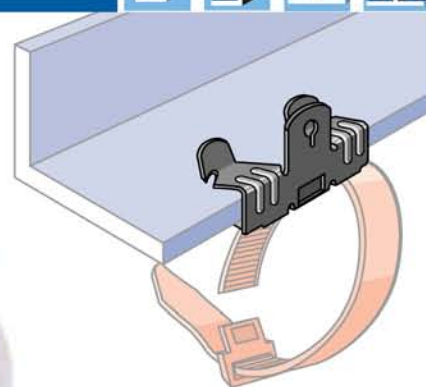
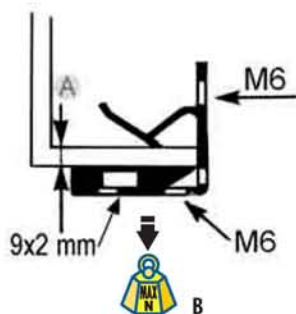
		A mm	Ø mm			
8P4iN	175290	2-3	18-22	7	100	70
8P24iN	175300	3-8	18-22	7	100	70
8P58iN	175310	8-14	18-22	7	100	70
12P4iN	175320	2-3	22-30	7	100	70
16P4iN	175330	2-3	30-35	7	100	70



EM



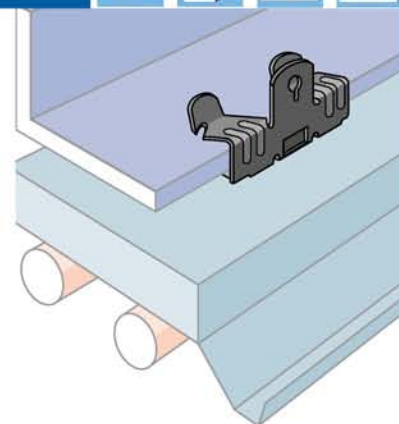
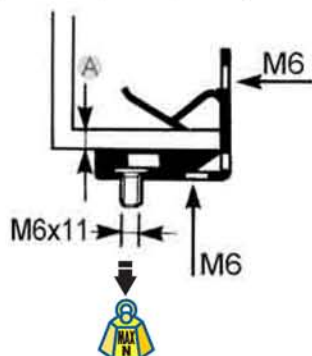
		A mm			B 	C 
EM24	170050	3-8	7	100	450	150
EM58	170060	8-14	7	100	450	150
EM912	170070	14-20	7	100	450	150



EM-SM



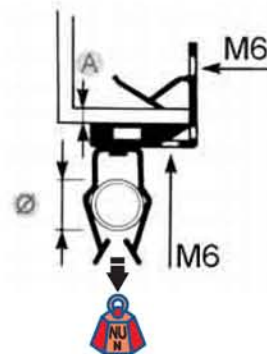
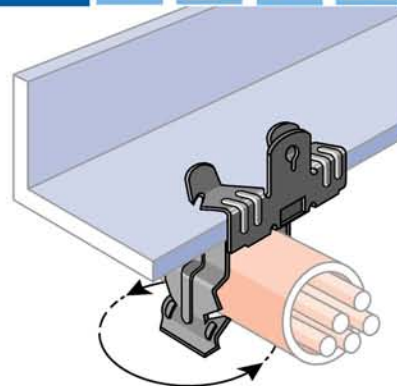
		A mm			
EM24SM	170530	3-8	7	100	330
EM58SM	172060	8-14	7	100	330
EM912SM	171850	14-20	7	100	330



EM-P



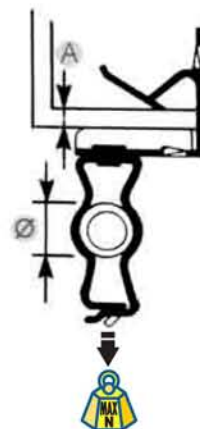
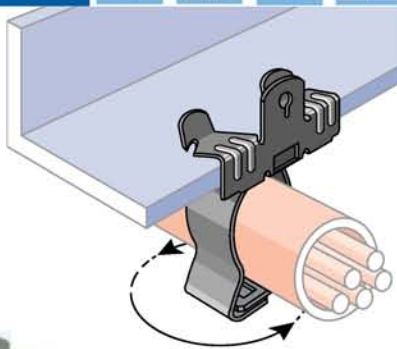
			A mm	Ø mm			
8EP24		172150	3-8	18-22	7	100	110
8EP58		172160	8-14	18-22	7	100	110
8EP912		175100	14-20	18-22	7	50	110
12EP24		175110	3-8	22-30	7	100	110
12EP58		175120	8-14	22-30	7	100	110
12EP912		175130	14-20	22-30	7	50	110
16EP24		175140	3-8	30-35	7	100	110
16EP58		175150	8-14	30-35	7	50	110
16EP912		175160	14-20	30-35	7	50	110



EM-M



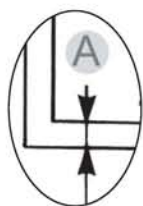
			A mm	Ø mm			
6EM24		173550	3-8	14-18	7	100	330
6EM58		171750	8-14	14-18	7	100	330
6EM912		173560	14-20	14-18	7	50	330
812EM24		160120	3-8	18-30	7	50	330
812EM58		160130	8-14	18-30	7	50	330
812EM912		160140	14-20	18-30	7	50	330
16EM24		171740	3-8	30-35	7	50	330
16EM58		171490	8-14	30-35	7	50	330
16EM912		173570	14-20	30-35	7	50	330
20EM24		171800	3-8	35-42	7	50	330
20EM58		171950	8-14	35-42	7	50	330
20EM912		173580	14-20	35-42	7	50	330
24EM24		171960	3-8	42-50	7	50	330
24EM58		171970	8-14	42-50	7	50	330
24EM912		173590	14-20	42-50	7	50	330
32EM24		173600	3-8	50-60	7	50	330
32EM58		173610	8-14	50-60	7	50	330
32EM912		173620	14-20	50-60	7	50	330



CAT H

		A mm			
CAT 1224 SM	181510	3 - 8	1	40	220
CAT 1258 SM	181520	8 - 14	1	40	220
CAT 12912 SM	181530	14 - 20	1	40	220
CAT 2124 SM	181550	3 - 8	1	40	220
CAT 2158 SM	181560	8 - 14	1	40	220
CAT 21912 SM	181570	14 - 20	1	40	220
CAT 3224 SM	181590	3 - 8	1	40	220
CAT 3258 SM	181600	8 - 14	1	40	220
CAT 32912 SM	181610	14 - 20	1	40	220
CAT 42524 SM	181620	3 - 8	1	10	450
CAT 42558 SM	181630	8 - 14	1	10	450
CAT 425912 SM	181640	14 - 20	1	10	450

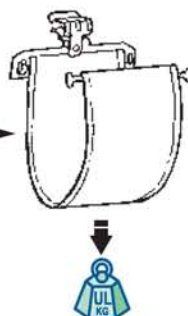
 p. 182-183



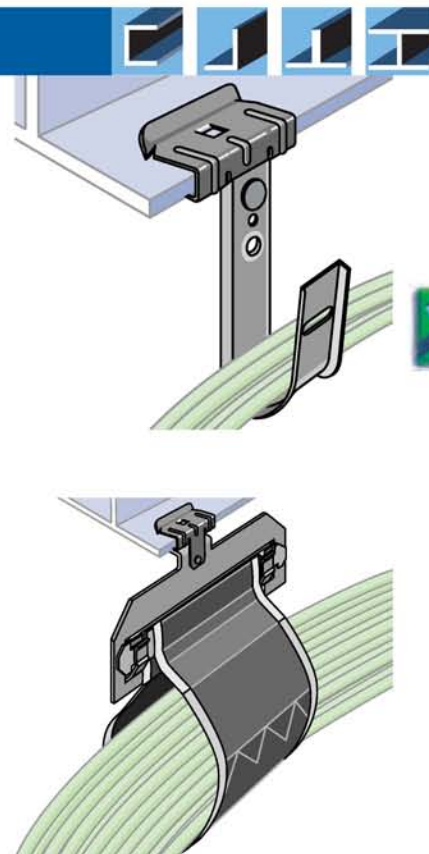
CAT 12/21/32



CAT 425



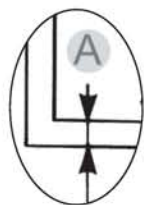
Ø
183



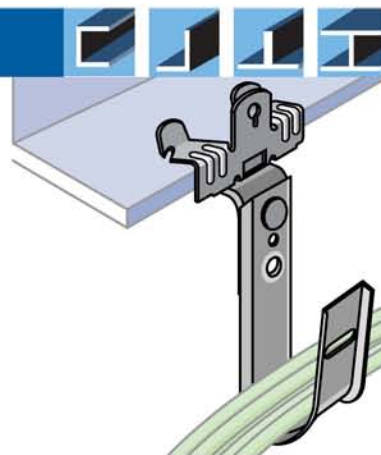
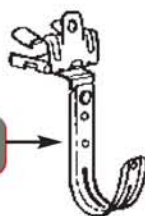
CAT EM

		A mm			
CAT 1224	181650	3 - 8	1	40	220
CAT 1258	181660	8 - 14	1	40	220
CAT 12912	181670	14 - 20	1	20	220
CAT 2124	181680	3 - 8	1	40	220
CAT 2158	181690	8 - 14	1	40	220
CAT 21912	181700	14 - 20	1	20	220
CAT 3224	181710	3 - 8	1	20	220
CAT 3258	181720	8 - 14	1	20	220
CAT 32912	181730	14 - 20	1	20	220

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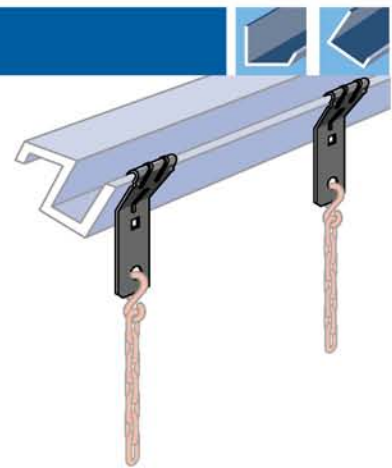
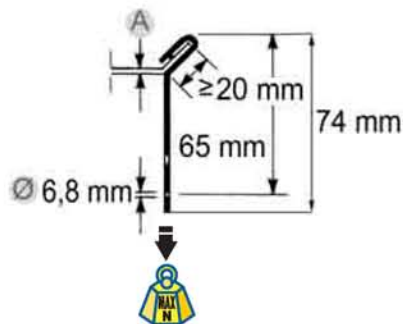


Ø
183



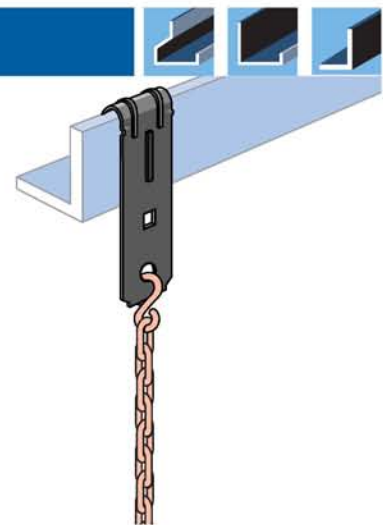
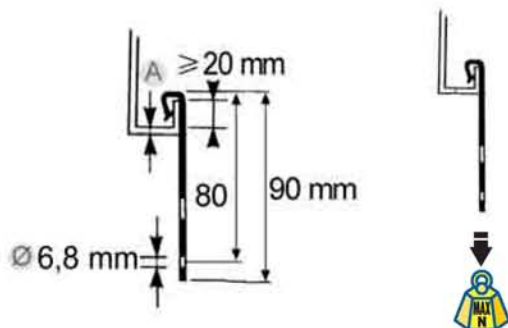
AF

			A mm			
AF14		179860	1,5-6	7	100	350



VF

			A mm			
VF14		179850	1,5-6	7	100	600



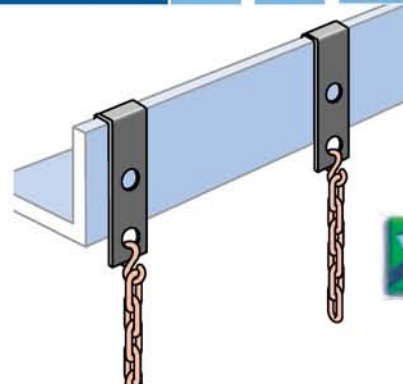
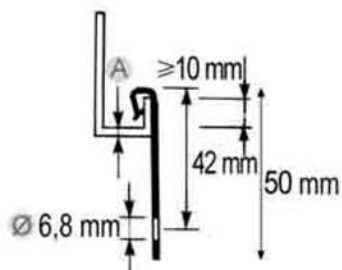
VAFT

			
VAFT		190330	1





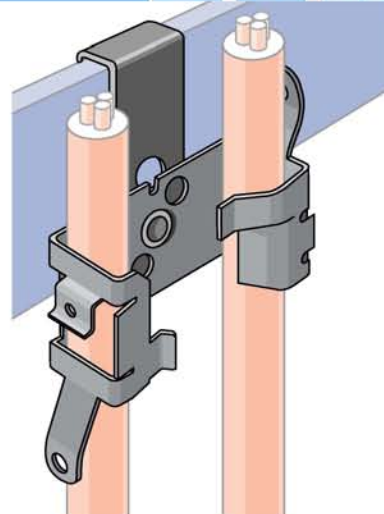
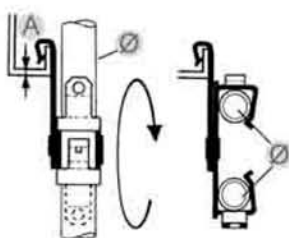
			A mm			
J1		170370	1,5-4	7	100	700
J2		171590	4-6,5	7	100	700



J-MAC2



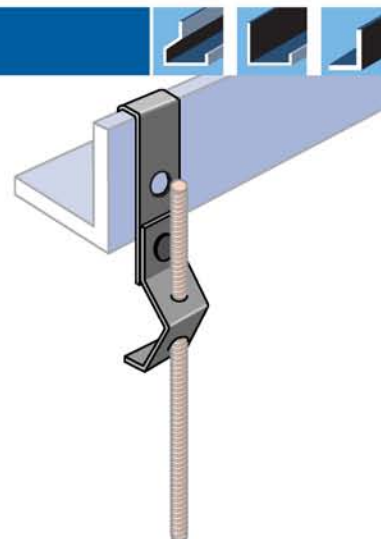
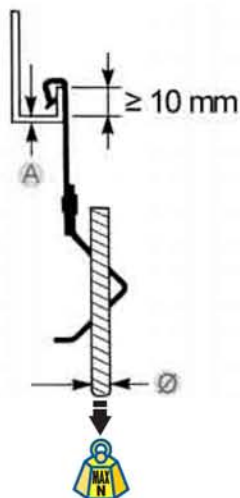
			A mm	Ø mm		
J1MAC 2 P4		173480	1,5-4	12,5-14,5	7	100
J2MAC2 P4		172970	4-6,5	12,5-14,5	7	100



J-MA



	Nº	A mm	Ø	P		
M6MAJ1	173350	1,5-4	M6	7	100	600
M8MAJ1	173360	1,5-4	M8	7	100	700
M10MAJ1	173370	1,5-4	M10	7	100	700
M6MAJ2	173380	4-6,5	M6	7	100	600
M8MAJ2	173390	4-6,5	M8	7	100	700
M10MAJ2	173400	4-6,5	M10	7	100	700

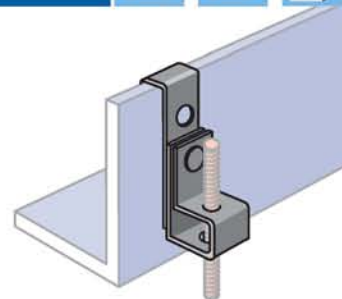
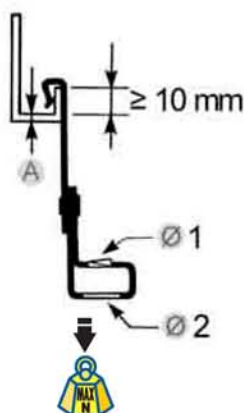


J-Ti/T



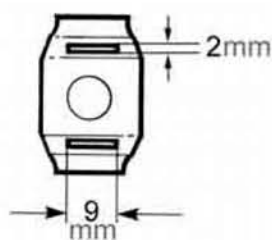
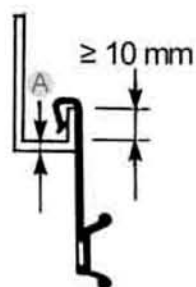
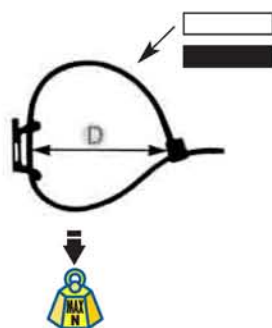
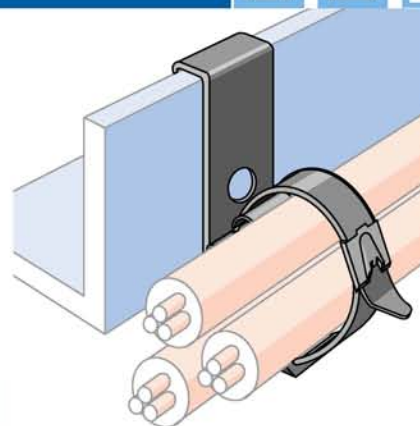
	Nº	A mm	Ø 1 M	Ø 2 mm	P		
M6TiJ1	174870	1,5-4	M6	7	7	100	700
M8TiJ1	174960	1,5-4	M8	8,5	7	100	700
M10TiJ1	175050	1,5-4	M10	11	7	100	700
M6TiJ2	174880	4-6,5	M6	7	7	100	700
M8TiJ2	174970	4-6,5	M8	8,5	7	100	700
M10TiJ2	175060	4-6,5	M10	11	7	100	700

	Nº	A mm	Ø 1-2 mm	P		
T10J1	160220	1,5-4	11	7	100	700
T10J2	160230	4-6,5	11	7	100	700





		A mm	D mm			
J1CT	170610	1,5-4	-	7	50	150
J2CT	170350	4-6,5	-	7	50	150
J1CTBW	170360	1,5-4	10-70	7	100	150
J2CTBW	170390	4-6,5	10-70	7	100	150
J1CTBB	170410	1,5-4	10-70	7	100	150
J2CTBB	170440	4-6,5	10-70	7	100	150



CAT VF

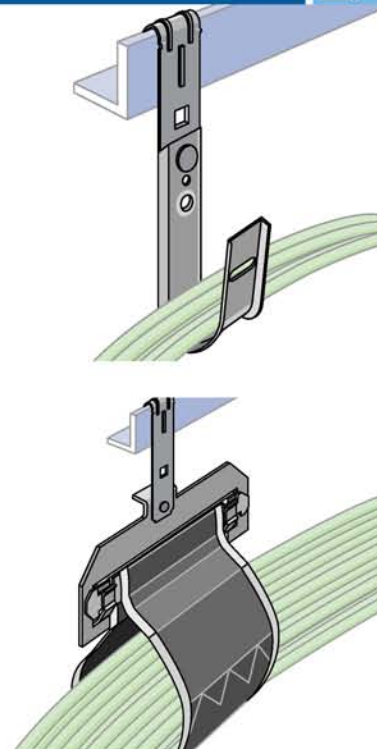
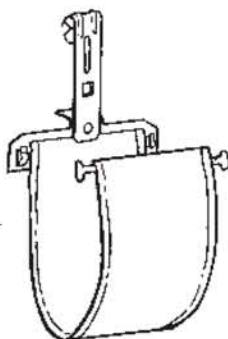
		A mm			
CAT 12 VF14	181800	1,5 - 6	1	40	220
CAT 21 VF14	181810	1,5 - 6	1	40	220
CAT 32 VF14	181820	1,5 - 6	1	40	220
CAT 425 VF14	181830	1,5 - 6	1	10	450

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CAT 12/21/32



CAT 425



CAT AF

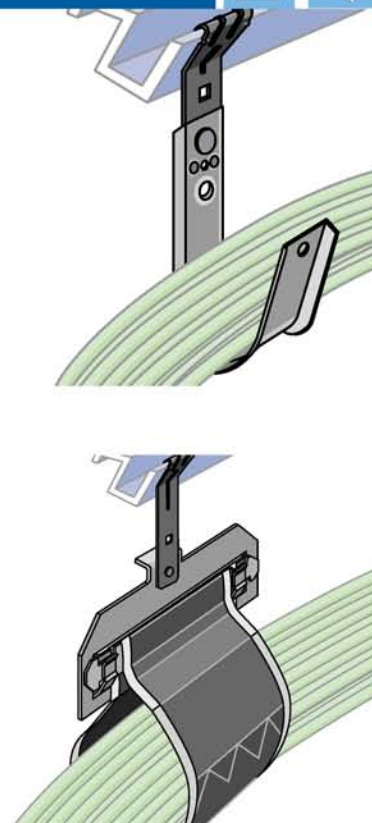
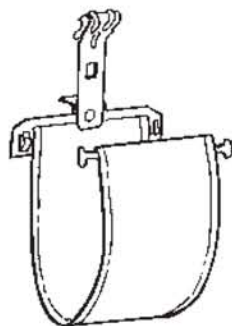
		A mm			
CAT 12 AF14	181840	1,5 - 6	1	40	220
CAT 21 AF14	181850	1,5 - 6	1	40	220
CAT 32 AF14	181860	1,5 - 6	1	40	220
CAT 425 AF14	181870	1,5 - 6	1	10	450

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CAT 12/21/32



CAT 425

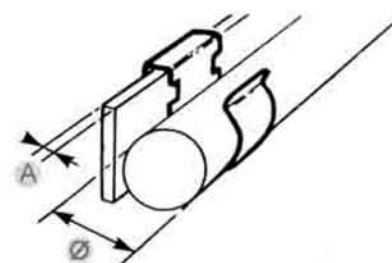
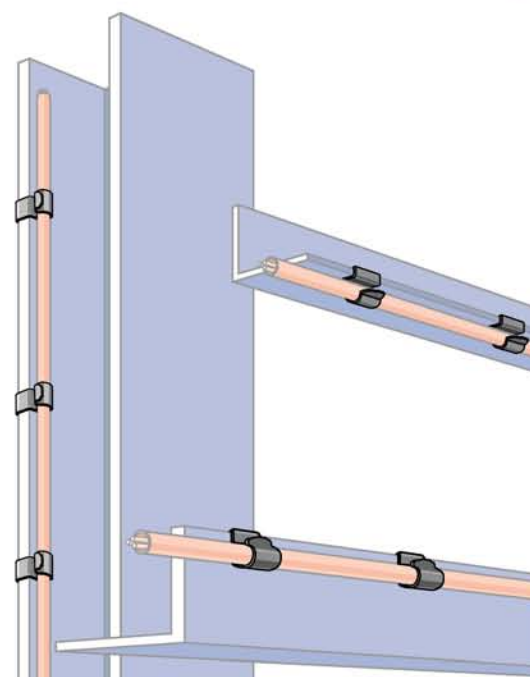
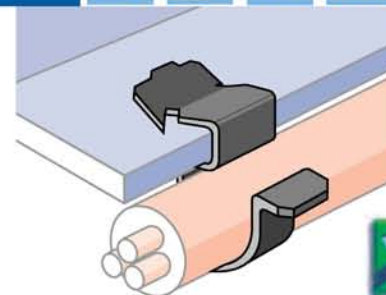




		A mm	Ø mm		
24SC67	187510	2-4	6-7	7	100
24SC78	187710	2-4	7-8	7	100
24SC89	187530	2-4	8-9	7	100
24SC910	187750	2-4	9-10	7	100
24SC1011	187550	2-4	10-11	7	100
24SC1214	187570	2-4	12-14	7	100
24SC1518	187590	2-4	15-18	7	100
24SC1924	187610	2-4	19-24	7	100
24SC2530	187630	2-4	25-32	7	100

47SC67	187500	4-7	6-7	7	100
47SC78	187720	4-7	7-8	7	100
47SC89	187520	4-7	8-9	7	100
47SC910	187760	4-7	9-10	7	100
47SC1011	187540	4-7	10-11	7	100
47SC1214	187560	4-7	12-14	7	100
47SC1518	187580	4-7	15-18	7	100
47SC1924	187600	4-7	19-24	7	100
47SC2530	187620	4-7	25-32	7	100

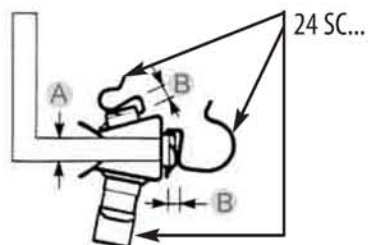
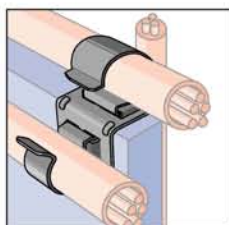
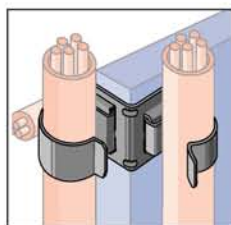
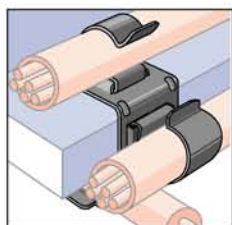
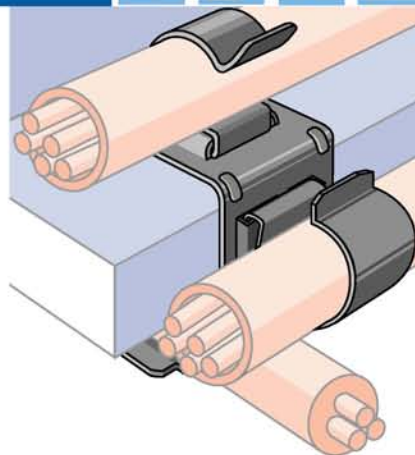
812SC67	187640	8-12	6-7	7	100
812SC78	187730	8-12	7-8	7	100
812SC89	187650	8-12	8-9	7	100
812SC910	187770	8-12	9-10	7	100
812SC1011	187660	8-12	10-11	7	100
812SC1214	187670	8-12	12-14	7	100
812SC1518	187680	8-12	15-18	7	100
812SC1924	187690	8-12	19-24	7	100
812SC2530	187700	8-12	25-32	7	100



SCA



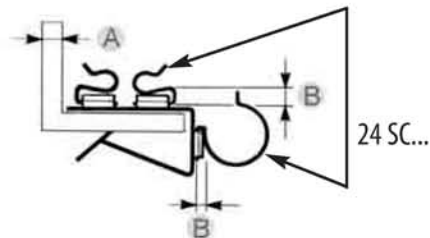
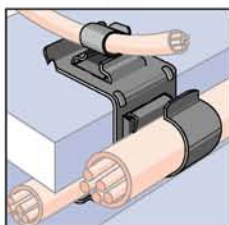
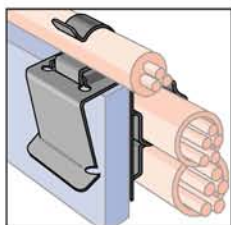
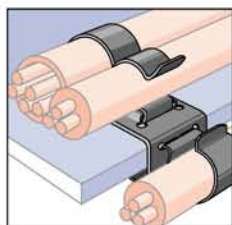
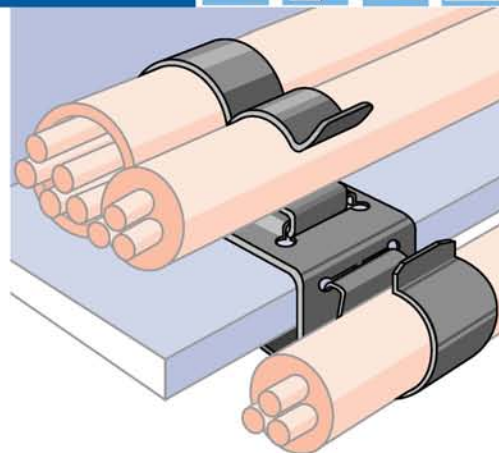
		A mm	B mm		
SCA	160510	13-20	2-4	7	100



SCB



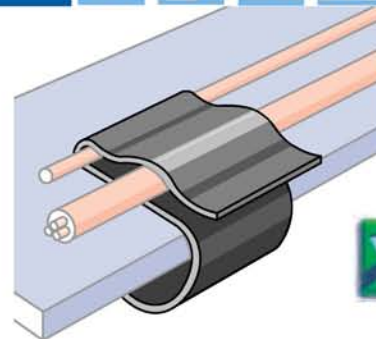
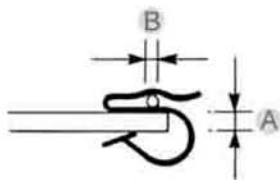
		A mm	B mm		
SCB312	188080	3-12	2-4	7	100
SCB1220	188090	12-20	2-4	7	100



HK



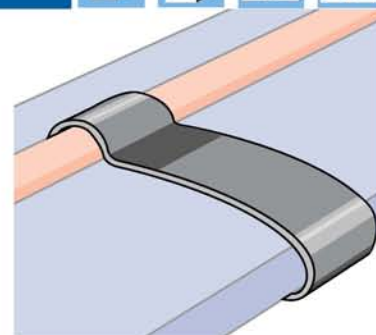
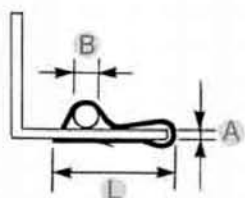
		A mm	B mm		
HK21	187440	1,5-4,5	4,2-6,5	1	100
HK22	187450	4-8	4,2-6,5	1	100
HK23	187460	8-11	4,2-6,5	1	100



87



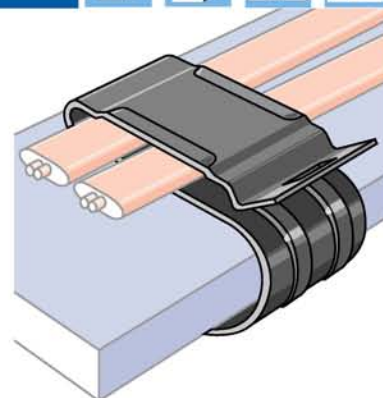
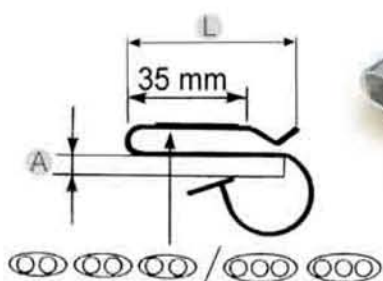
		A mm	B mm	L mm		
87182	188190	5	10	40	1	100
87186	188200	6	8	65	1	100



LF



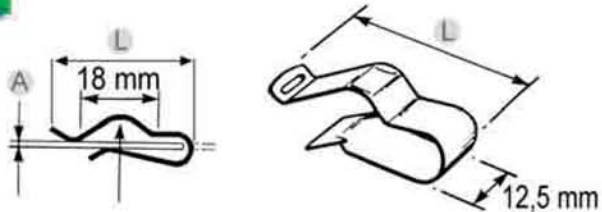
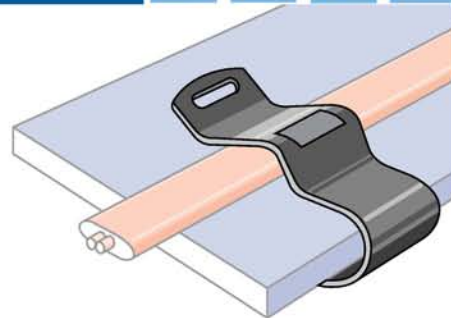
		A mm	L mm		
LF2	187400	5-12	45	1	100
LF3	187410	12-20	53	1	100



LF



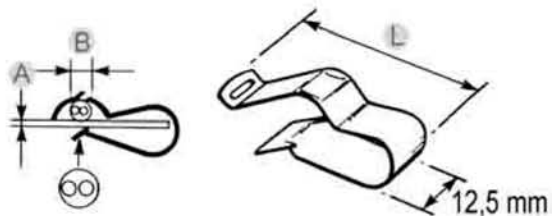
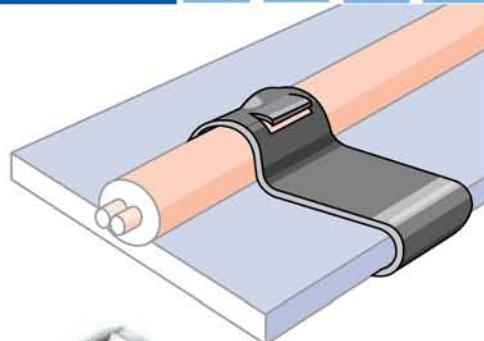
			A mm	L mm		
LF4		187420	3-6	42	1	100
LF5		187430	6-12	49	1	100



LR



			A mm	B mm	L mm		
LR1		187370	3-6	8-15	36	1	100
LR2		187380	6-12	8-15	36	1	100



LB3B



			A mm	B mm	L mm		
LB3B		187390	12-20	<8	52	1	100

