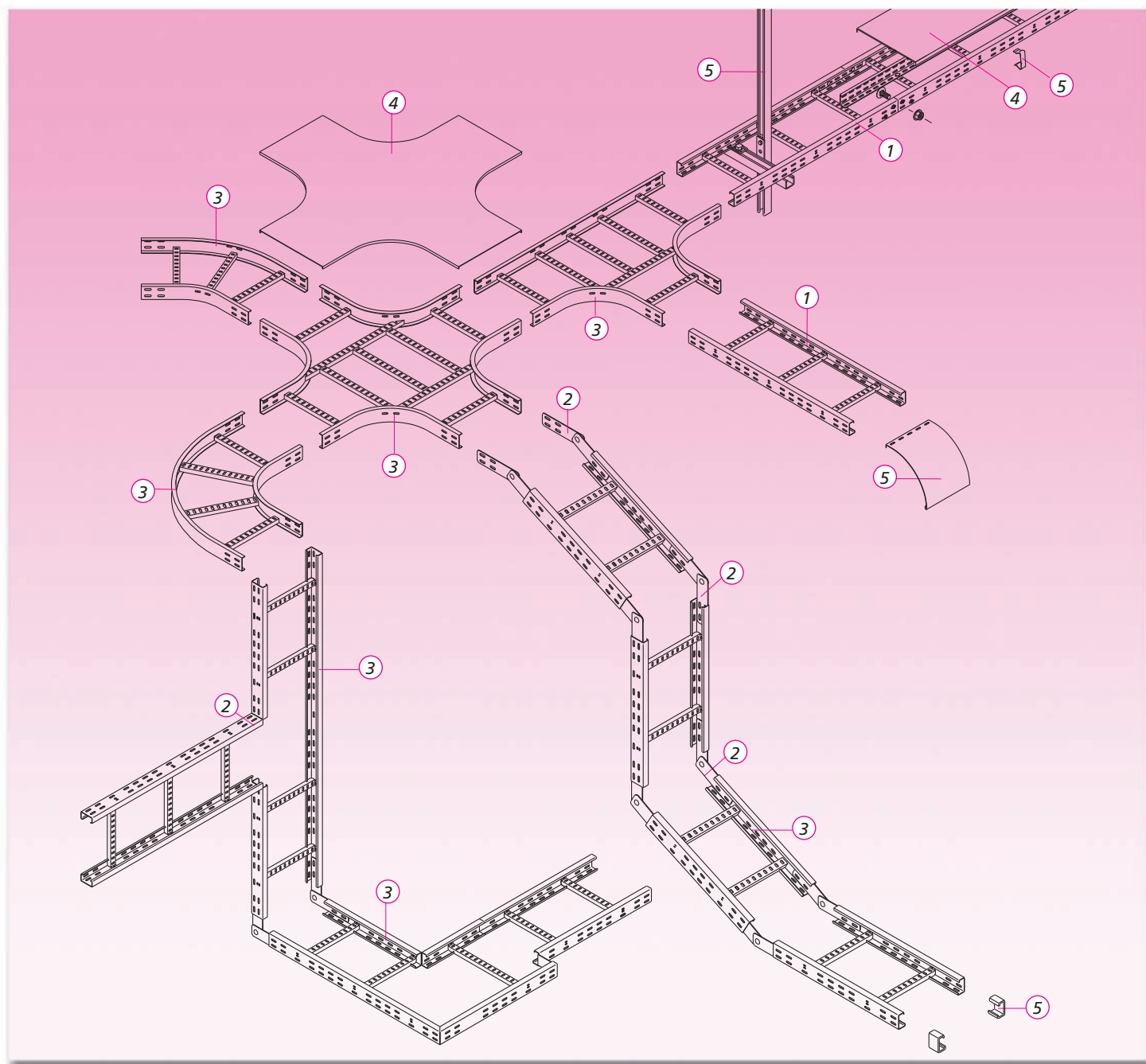


Cable ladders - SR RANGE



- ① Cable ladder
- ② Couplers
- ③ Connecting units
- ④ Covers
- ⑤ Channels and Accessories

MEDIUM duty Cable ladders SR RANGE



APPLICATIONS :

Any medium duty application requiring a good ventilation.

BENEFITS :

- Saving money : Good weight/strength ratio thanks to perforated C-shaped rungs and beams. High inertia. Loading test are carried out according to the IEC 61537 or NEMA VEI-2002*.
- Long life Duration : Clinching construction with high corrosion resistance especially in hot dip galvanized finish.
- Great versatility : side, top and bottom perforation of beams for direct fixing on horizontal or vertical routing.
- Adjustable : direct fixing of equipment or lighting systems thanks to perforations and ancillary accessories.
- Recyclable : no chromium .
- Electrical continuity in compliance with the IEC 61537 standard.
- Easy location and ventilation of power cables.
- Large range from 200 up to 600 mm. All accessories and connecting units

SPECIFICATIONS :

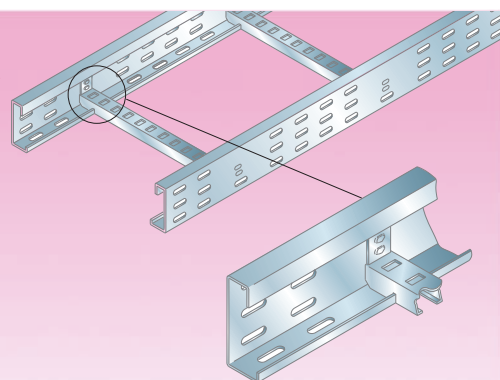
TOLMEGA light and medium duty cable ladder with safety perforated C-shaped rungs and beams, Clinching construction, SR range or equivalent according to the IEC 61537 or NEMA VEI-2002.

This specification is a format for engineering specification.

This format is to be used as a guide.

Certain conditions of the intended application, however, may require modifications.

patented

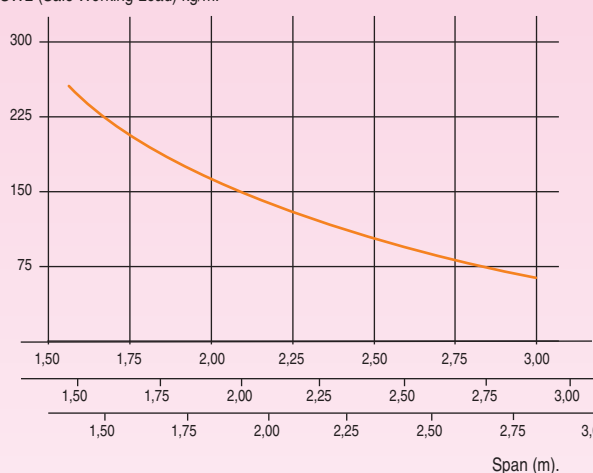


- standard length : 3 m, on request: 6 m
- width : 195 - 316 - 412 - 507 - 604 mm
- height : 55 - 75 - 100 mm
- rung spacing : 300 mm
- standard connecting units : 90°, 45° horizontal or vertical bends - tee - cross - reducers on request : unequal tee
- radius for connecting units : 190 mm Others radius on request.

Loading graphs *

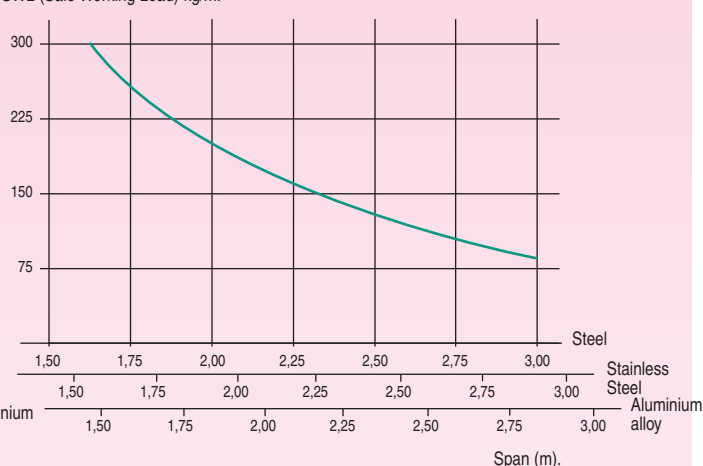
SR 55

SWL (Safe Working Load) kg/m.



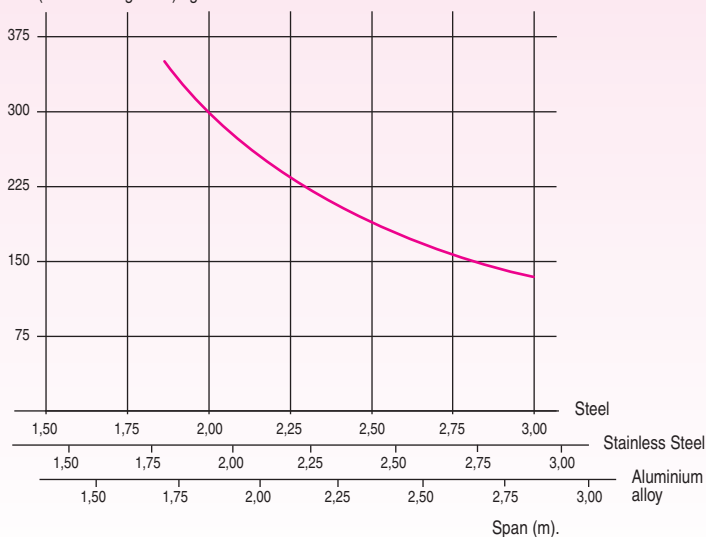
SR 75

SWL (Safe Working Load) kg/m.



SR 100

SWL (Safe Working Load) kg/m.



Maximum load capacity (kg/m) according to cable density

Width (mm)	Power cables		
	0,28 kg/cm ² /ml		
	SR 55	SR 75	SR 100
195	20,2	30,3	43,1
316	33,0	49,5	70,3
412	43,1	64,6	91,9
507	53,2	79,8	113,4
604	63,8	95,8	136,1

* Safe working load test according to IEC 61537: type 2 tests instructions. Results are selected according to the L/100 max. deflection and the 1.7 safety factor on the resistance while breaking. See page I-8.

MEDIUM DUTY CABLE LADDERS

SR RANGE

patented

SR 55

557NNN

G

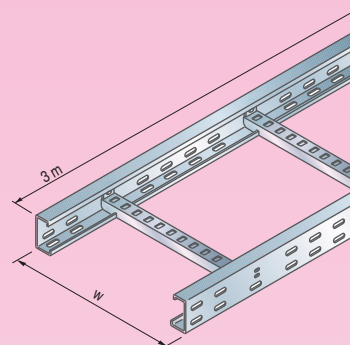
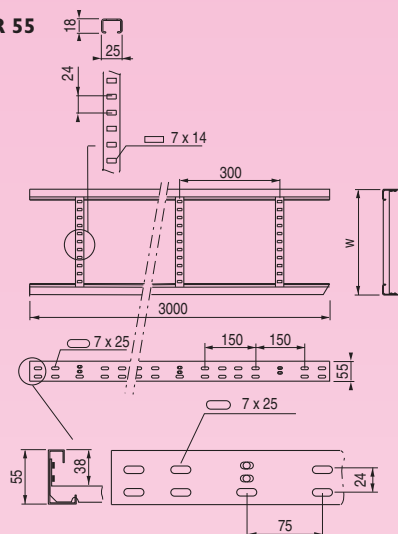
558NNN

HDG

Nominal width	w mm	Kg / m	Code 3m	Code 3m
200	195	2,36	557001	558001
300	316	2,57	557002	558002
400	412	2,73	557003	558003
500	507	2,90	557004	558004
600	604	3,06	557005	558005

6 m on request

SR 55

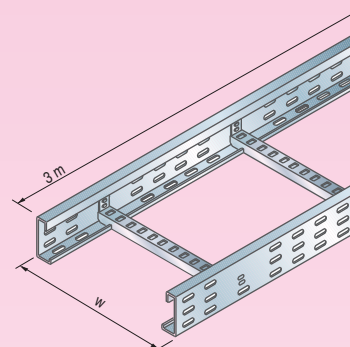
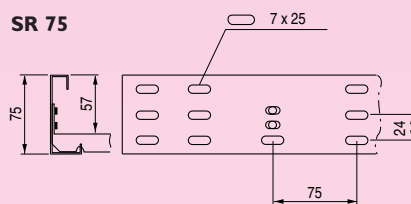


SR 75

200	195	2,67	557006	558006
300	316	2,87	557007	558007
400	412	3,04	557008	558008
500	507	3,20	557009	558009
600	604	3,37	557010	558010

6 m on request

SR 75

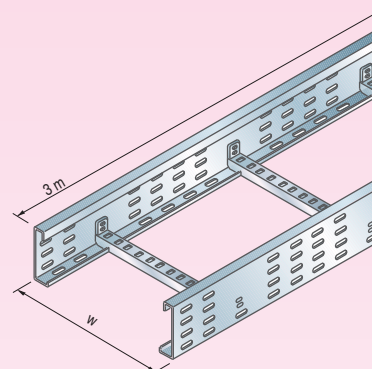
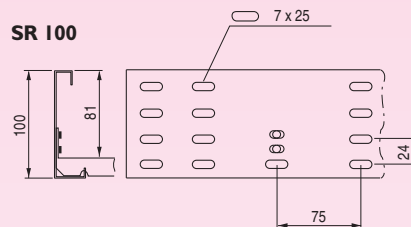


SR 100

200	195	3,05	557028	558028
300	316	3,26	557029	558029
400	412	3,42	557030	558030
500	507	3,58	557031	558031
600	604	3,75	557032	558032

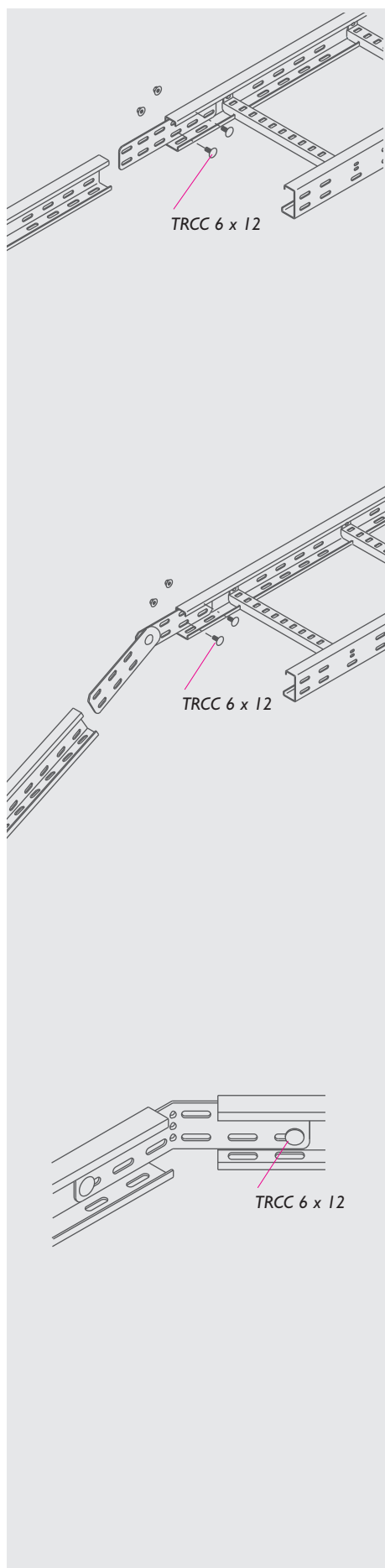
6 m on request

SR 100

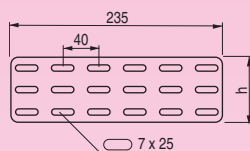
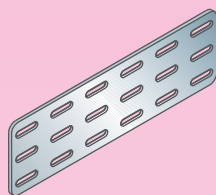


560NNN 304 L 561NNN 316 L 562NNN AG3

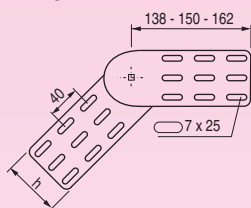
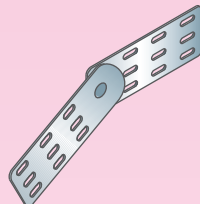
SR - Couplers



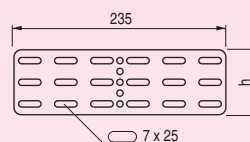
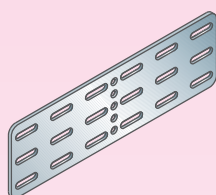
P : STRAIGHT COUPLER



EA : HINGED COUPLER



ED : BENDABLE COUPLER



P : STRAIGHT COUPLER

402NNN

404NNN

G

HDG

Type	h mm	L mm	p	Kg/p	Code	Code
P 48	48	46	100	0,10	402002	404002
P 72	72	70	100	0,14	402003	404003
P 96	96	94	100	0,18	402004	404004

EA : HINGED COUPLER

EA 48	48	46	50	0,15	402006	404006
EA 72	72	70	50	0,26	402007	404007
EA 96	96	94	50	0,37	402008	404008

ED : BENDABLE COUPLER

ED 48	48	46	50	0,10	402016	404016
ED 72	72	70	50	0,14	402017	404017
ED 96	96	94	50	0,18	402018	404018

408NNN

304 L

410NNN

316 L

412NNN

AG3

SR CONNECTING UNITS

CROSS

564NNN

G

565NNN

HDG

Nominal width	w mm	h mm	a mm	Kg/p	Code	Code
200	195	55	891	3,41	564001	565001
		75	891	4,65	564006	565006
		100	891	8,44	564011	565011
300	316	55	1012	3,79	564002	565002
		75	1012	5,17	564007	565007
		100	1012	9,39	564012	565012
400	412	55	1108	4,16	564003	565003
		75	1108	5,68	564008	565008
		100	1108	10,31	564013	565013
500	507	55	1203	4,55	564004	565004
		75	1203	6,22	564009	565009
		100	1203	11,31	564014	565014
600	604	55	1300	5,00	564005	565005
		75	1300	6,86	564010	565010
		100	1300	12,47	564015	565015

COVER

Nominal width	w mm	Kg/p	Code	Code
200	195	1,26	564197	565197
300	316	2,23	564198	565198
400	412	3,17	564199	565199
500	507	5,29	564203	565203
600	604	6,83	564204	565204

TEE

564NNN

G

565NNN

HDG

Nominal width	w mm	h mm	a mm	b mm	Kg/p	Code	Code
200	195	55	891	543	2,66	564016	565016
		75	891	543	3,63	564021	565021
		100	891	543	6,59	564025	565025
300	316	55	1012	664	3,01	564017	565017
		75	1012	664	4,12	564022	565022
		100	1012	664	7,48	564027	565027
400	412	55	1108	760	3,36	564018	565018
		75	1108	760	4,58	564023	565023
		100	1108	760	8,32	564028	565028
500	507	55	1203	855	3,72	564019	565019
		75	1203	855	5,09	564024	565024
		100	1203	855	9,24	564029	565029
600	604	55	1300	952	4,13	564020	565020
		75	1300	952	5,66	564025	565025
		100	1300	952	10,30	564030	565030

COVER

Nominal width	w mm	Kg/p	Code	Code
200	195	1,01	564205	565205
300	316	1,87	564206	565206
400	412	2,72	564207	565207
500	507	4,62	564208	565208
600	604	6,05	564209	565209

567NNN

304 L

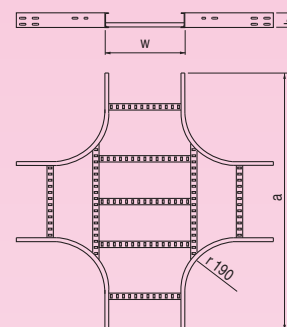
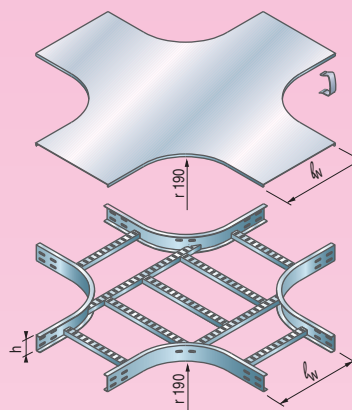
568NNN

316 L

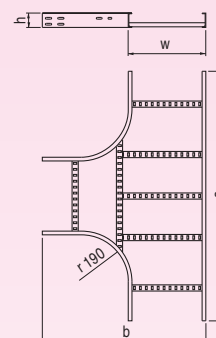
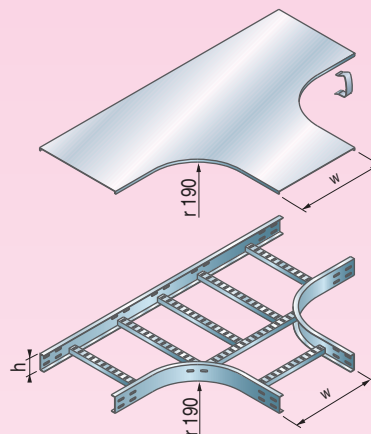
569NNN

AG3

CROSS



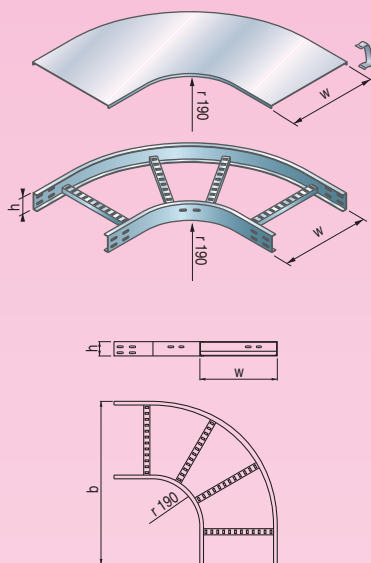
TEE



SR CONNECTING UNITS



90° HORIZONTAL BEND



90° HORIZONTAL BEND

564NNN
G

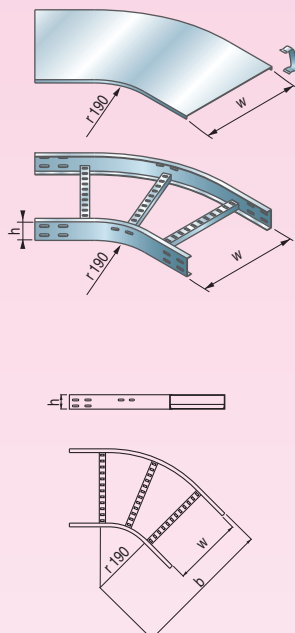
565NNN
HDG

Nominal width	w mm	h mm	b mm	Kg/p	Code	Code
200	195	55	543	1,30	564031	565031
		75	543	1,77	564036	565036
		100	543	3,21	564041	565041
300	316	55	664	1,76	564032	565032
		75	664	2,40	564037	565037
		100	664	4,37	564042	565042
400	412	55	760	2,18	564033	565033
		75	760	2,98	564038	565038
		100	760	5,41	564043	565043
500	507	55	855	2,62	564034	565034
		75	855	3,59	564039	565039
		100	855	6,52	564044	565044
600	604	55	952	3,13	564035	565035
		75	952	4,29	564040	565040
		100	952	7,80	564045	565045

COVER

Nominal width	w mm	Kg/p	Code	Code
200	195	0,66	564210	565210
300	316	1,41	564211	565211
400	412	2,17	564212	565212
500	507	3,25	564213	565213
600	604	4,32	564214	565214

45° HORIZONTAL BEND



45° HORIZONTAL BEND

564NNN
G

565NNN
HDG

Nominal width	w mm	h mm	b mm	Kg/p	Code	Code
200	195	55	543	0,65	564046	565046
		75	543	0,88	564051	565051
		100	543	1,60	564056	565056
300	316	55	664	0,88	564047	565047
		75	664	1,20	564052	565052
		100	664	2,18	564087	565087
400	412	55	760	1,09	564048	565048
		75	760	1,49	564053	565053
		100	760	2,70	564058	565058
500	507	55	855	1,31	564049	565049
		75	855	1,79	564054	565054
		100	855	3,26	564059	565059
600	604	55	952	1,56	564050	565050
		75	952	2,14	564055	565055
		100	952	3,89	564060	565060

COVER

Nominal width	w mm	Kg/p	Code	Code
200	195	0,30	564215	565215
300	316	0,70	564216	565216
400	412	1,12	564217	565217
500	507	1,69	564218	565218
600	604	2,27	564219	565219

567NNN
304 L

568NNN
316 L

569NNN
AG3

SR CONNECTING UNITS

VERTICAL BEND

564NNN

G

565NNN

HDG

Nominal width	w mm	h mm	Kg/p	Code	Code
200	195	55	1,30	564271	565271
		75	1,75	564272	565272
		100	3,20	564273	565273
300	316	55	1,33	564274	565274
		75	1,82	564275	565275
		100	3,30	564276	565276
400	412	55	1,38	564277	565277
		75	1,89	564278	565278
		100	3,43	564279	565279
500	507	55	1,44	564280	565280
		75	1,97	564281	565281
		100	3,57	564282	565282
600	604	55	1,50	564283	565283
		75	2,06	564284	565284
		100	3,75	564285	565285

COVER

Nominal width	w mm	Kg/p	Code	Code
200	195	0,84	564220	565220
300	316	1,45	564221	565221
400	412	2,25	564222	565222
500	507	2,68	564223	565223
600	604	3,00	564224	565224

567NNN

304 L

568NNN

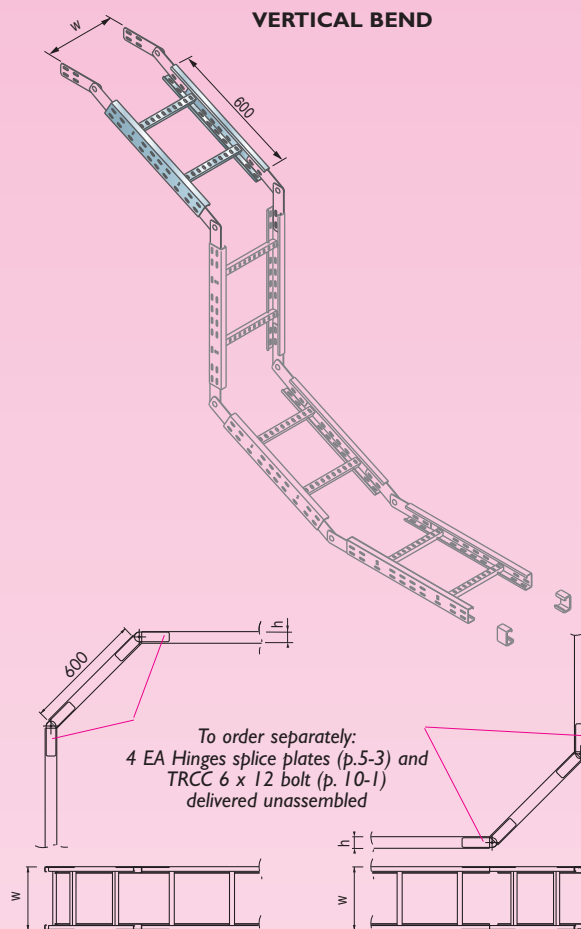
316 L

569NNN

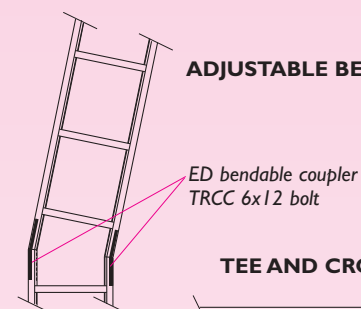
AG3

OTHERS CONNECTING UNITS

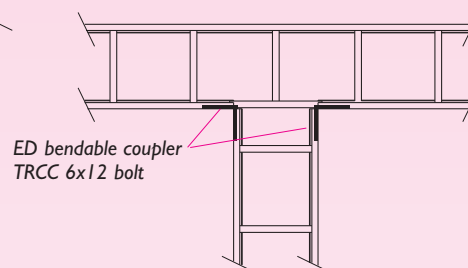
VERTICAL BEND



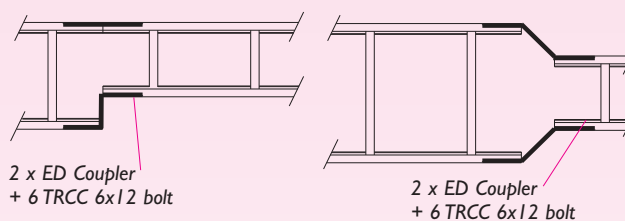
ADJUSTABLE BENDS



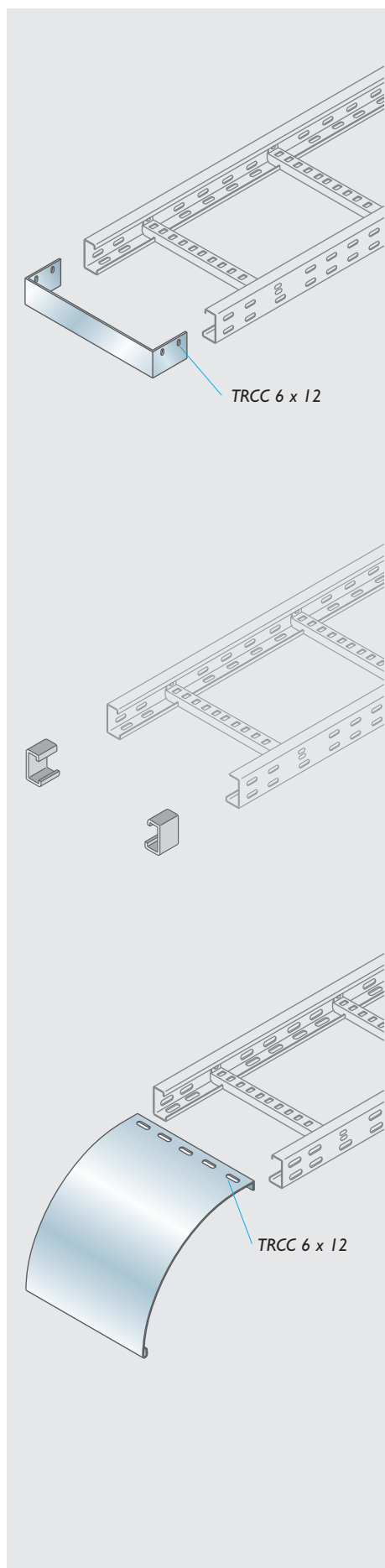
TEE AND CROSS



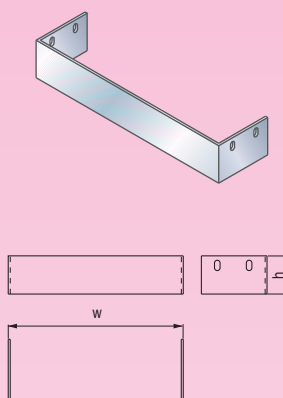
REDUCERS



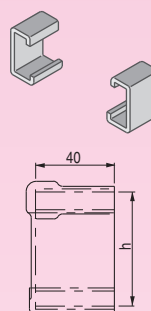
SR ACCESSORIES



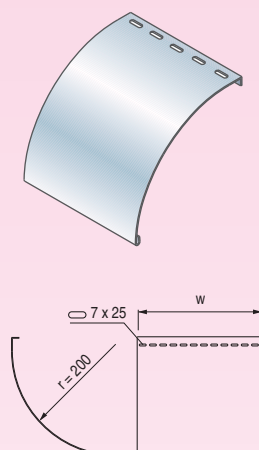
EE : END PLATE



EP : END CAP



SC : CABLES OUTLET



EE : END PLATE

421NNN

G

422NNN

HDG

Ref.	h mm	w mm	Kg / p	Code	Code
EE 48 (SR 55)	48	195	0,16	421664	422664
		316	0,22	421667	422667
		412	0,26	421669	422669
		507	0,31	421673	422673
		604	0,35	421675	422675
EE 72 (SR 75)	72	195	0,24	421681	422681
		316	0,33	421684	422684
		412	0,39	421686	422686
		507	0,47	421690	422690
		604	0,53	421692	422692
EE 96 (SR 100)	96	195	0,32	421697	422697
		316	0,44	421700	422700
		412	0,52	421702	422702
		507	0,62	421706	422706
		604	0,71	421708	422708

424NNN

304 L

425NNN

316 L

426NNN

AG3

EP : END CAP

570NNN

PVC

Ref.	h mm	Kg / p	Code
EP 48 (SR 55)	48	0,06	570200
EP 72 (SR 75)	72	0,07	570201
EP 96 (SR 100)	96	0,09	570202

SC : CABLES OUTLET

421NNN

G

422NNN

HDG

Ref.	w mm	Kg / p	Code	Code
SC	195	0,51	421807	422807
	316	1,01	421810	422810
	412	1,42	421812	422812
	507	1,82	421814	422814
	604	2,22	421815	422815

424NNN

INOX 304

425NNN

316 L

426NNN

AG3

SR ACCESSORIES

DIVIDER

599NNN

G

600NNN

HDG

Dimensions

h x w mm	Kg / m	Code	Code
24 x 24	0,28	599031	600031
48 x 24	0,40	599032	600032
72 x 24	0,53	599033	600033

602NNN

304 L

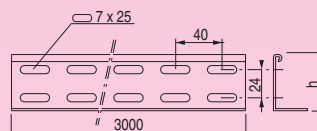
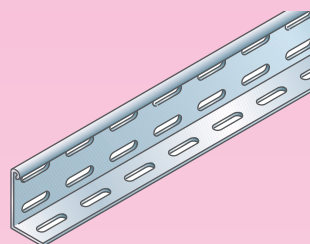
603NNN

316 L

604NNN

AG3

DIVIDER



75 x 45 BRACKET

613NNN

G

614NNN

HDG

Type	Code	Code
Bracket	0,12	613001 614001

616NNN

304 L

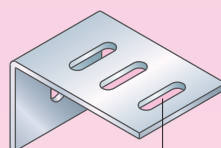
617NNN

316 L

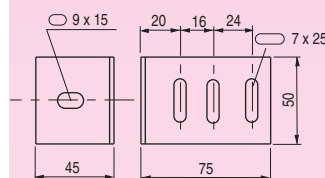
618NNN

AG3

75 x 45 BRACKET



TRCC 6 x 12



SL CLAMP

578NNN

G

579NNN

HDG

Type	Code	Code
SL Clamp	0,03	578906 579906

581NNN

304 L

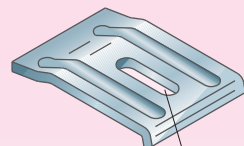
582NNN

316 L

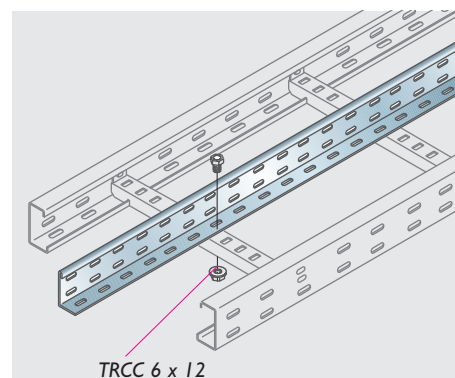
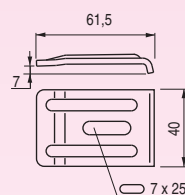
583NNN

AG3

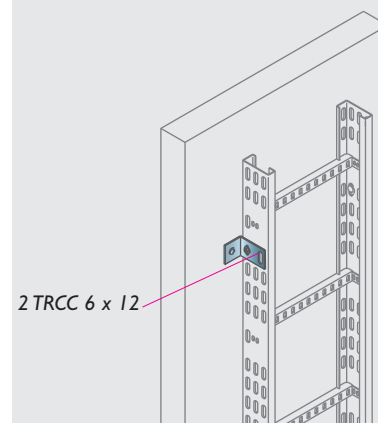
SL CLAMP



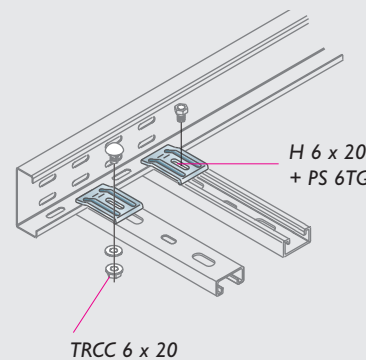
TRCC 6 x 20



TRCC 6 x 12



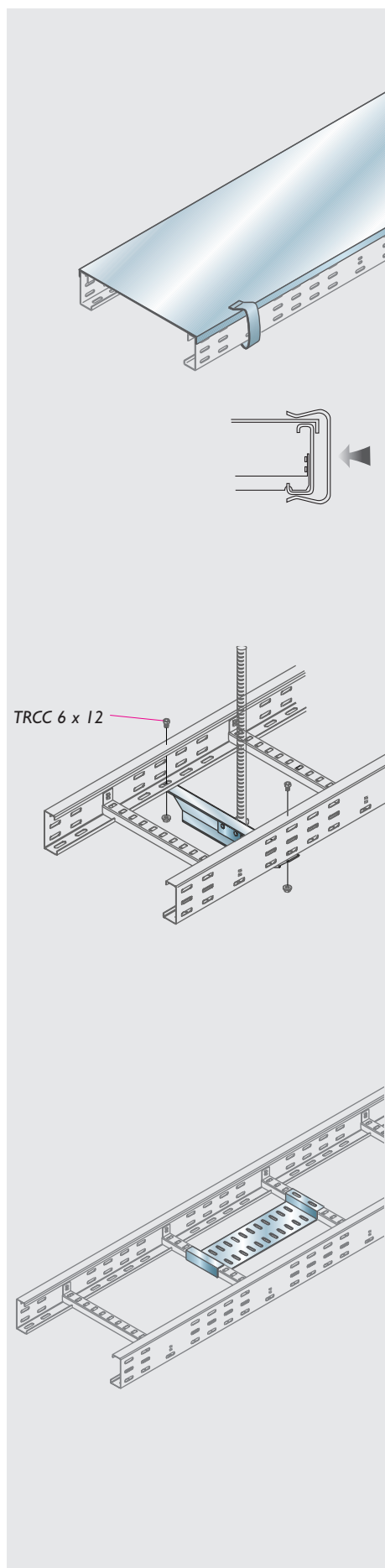
2 TRCC 6 x 12



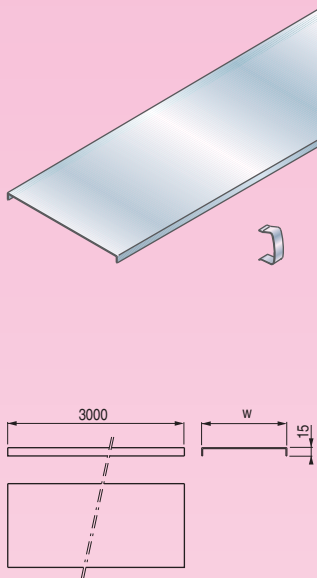
H 6 x 20
+ PS 6TG

TRCC 6 x 20

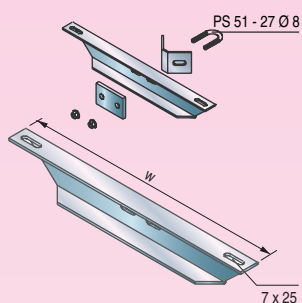
SR COVERS



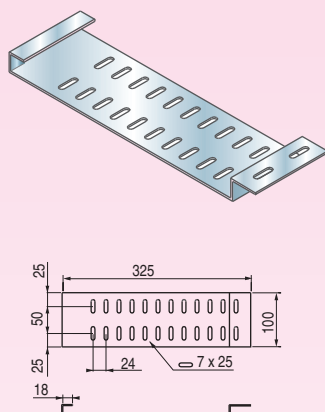
COVERS



CENTRAL SUPPORT



AMP : LIGHTING SUPPORT



COVERS

663NNN

G

664NNN

HDG

Nominal width	w mm	Kg / m	Code	Code
200	195	1,41	663007	664007
300	316	2,41	663010	664010
400	412	3,74	663012	664012
500	507	4,45	663015	664015
600	604	5,00	663017	664017

666NNN

304 L

667NNN

316 L

668NNN

AG3

CLIPS UF

644NNN

EZ

h mm	p	Kg / p	Code
50	100	0,60	644006
75	100	0,72	644007
100	100	0,84	644008

645NNN

304 L

Ancillary items

CENTRAL SUPPORT

w mm	Kg / p
195	0,53
316	0,73
412	0,93
507	1,13
604	1,33

684NNN

304 L

685NNN

316 L

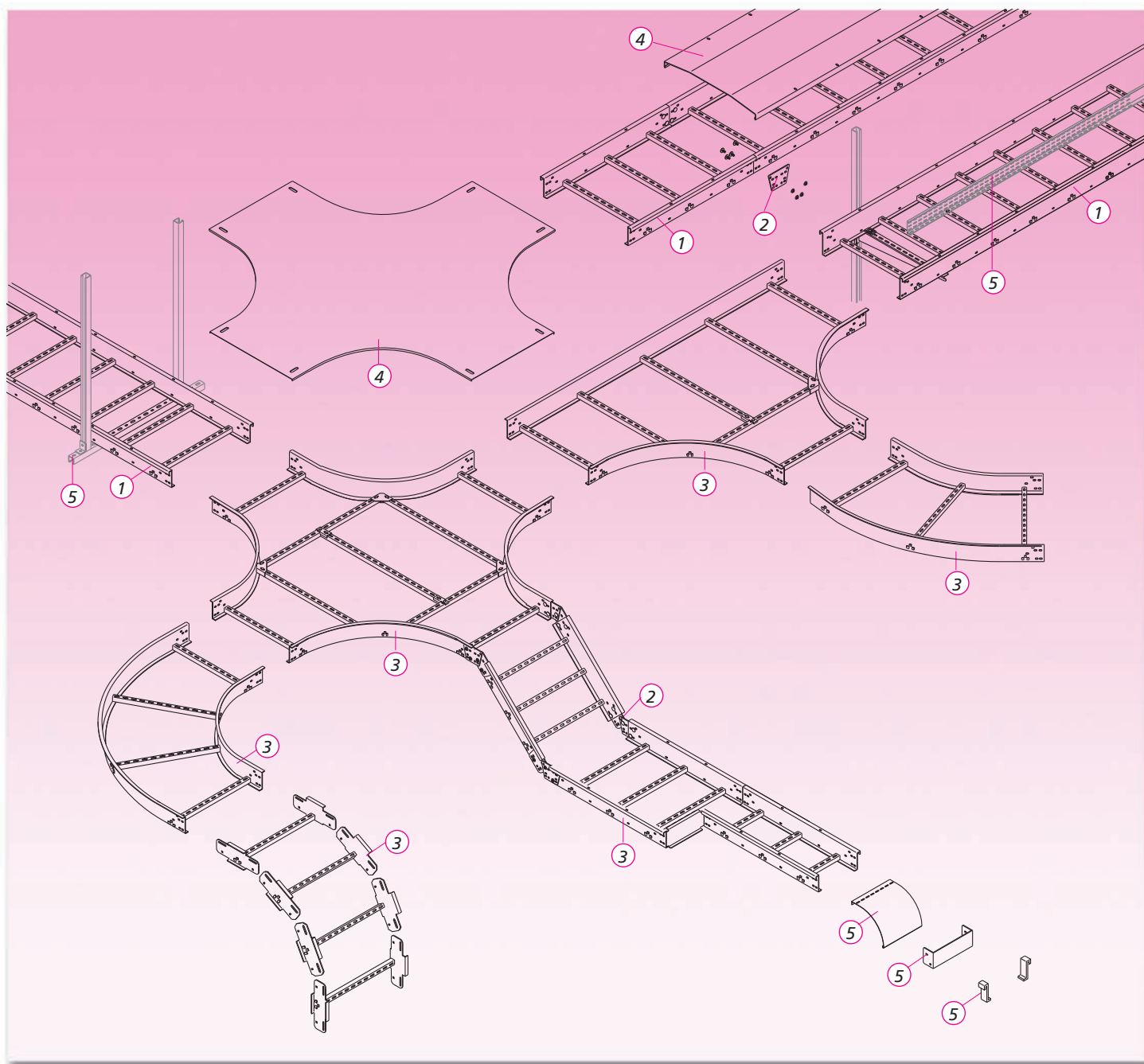
686NNN

AG3

AMP : LIGHTING SUPPORT

Type	Kg / p
AMP	0,755

Cable ladders - HERCULE RANGE



- ① Cable ladder
- ② Couplers
- ③ Connecting units
- ④ Covers
- ⑤ Channels and Accessories

Heavy duty Cable ladders HERCULE RANGE

APPLICATIONS :

Any heavy duty application.

BENEFITS :

- Transport cost saving : On request the rungs can be assembled on site.
- Large capacity. Recommended for aluminium power cables.
- High mechanicals : Z-shaped beam. Height : 75, 100, 150 mm.
- The rung spacing is fitted to the load. Loading test are carried out according to the IEC 61537 or NEMA VEI-2002*.
- Great versatility : horizontal or vertical mounting, standard or mechanical cable ties, width from 200 up to 1000 mm
- A large range of accessories and connecting units..
- High corrosion resistance especially in hot dip galvanised finish due to the crimped construction.
- Safety : C-shaped, non aggressive rungs. Covers are locked with screws
- Recyclable : no chromium .
- Electrical continuity in compliance with the IEC 61537 standard.
- Easy location and ventilation of power cables.

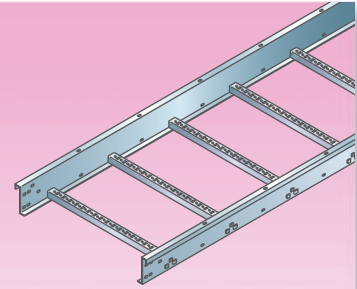
SPECIFICATIONS :

TOLMEGA heavy duty cable ladder range with safety perforated C-shaped rungs and Z profil beams, Crimped construction, HERCULE range or equivalent according to the IEC 61537 or NEMA VEI-2002.

This specification is a format for engineering specification.

This format is to be used as a guide.

Certain conditions of the intended application, however, may require modifications.

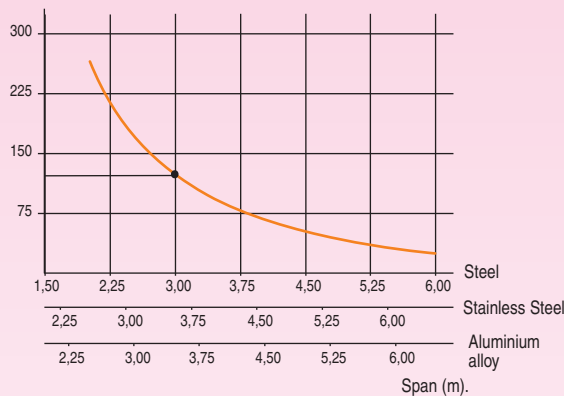


- standard length : 3 m - on request : 6 m
- width : 200 - 300 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 mm
- height : 75 - 100 - 150 mm
- rung spacing : 300 mm
- connecting units :
standard : 90°, 45° horizontal bends
vertical bends - tee - cross - reducers
on request : unequal tee
- radius for connecting units: 600 mm.
Others radius on request.

Loading graphs *

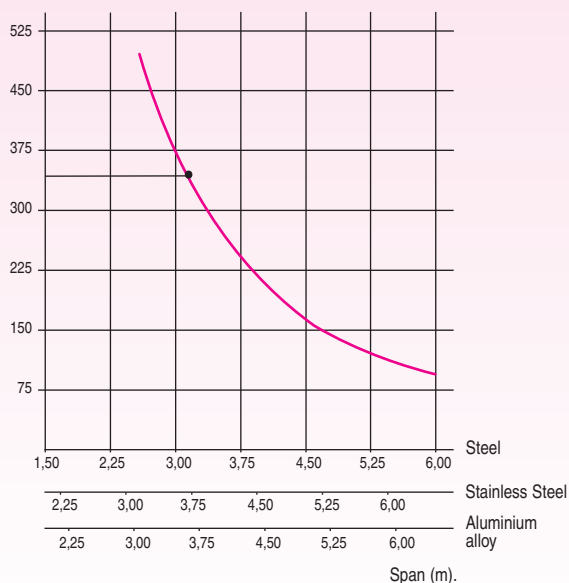
HERCULE 75

SWL (Safe Working Load) kg/m.



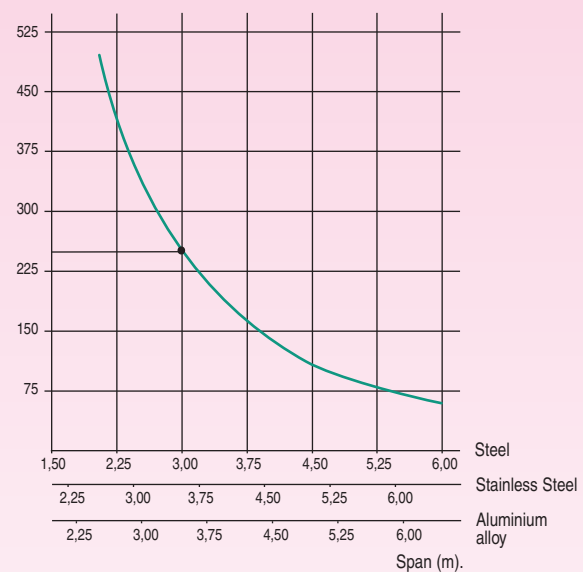
HERCULE 150

SWL (Safe Working Load) kg/m.



HERCULE 100

SWL (Safe Working Load) kg/m.



Maximum load capacity (kg/m)
according to cable density

Width (mm)	Power cables		
	0,28 kg/cm ² /ml		
	HERCULE 75	HERCULE 100	HERCULE 150
200	26,9	46,2	68,9
300	40,3	69,4	103,3
400	53,8	92,4	137,8
500	67,2	115,6	172,2
600	80,6	138,6	206,6
700	94,1	161,8	241,1
800	107,5	184,8	275,5
900	121,0	208,0	310,0
1000	134,4	231,0	344,4

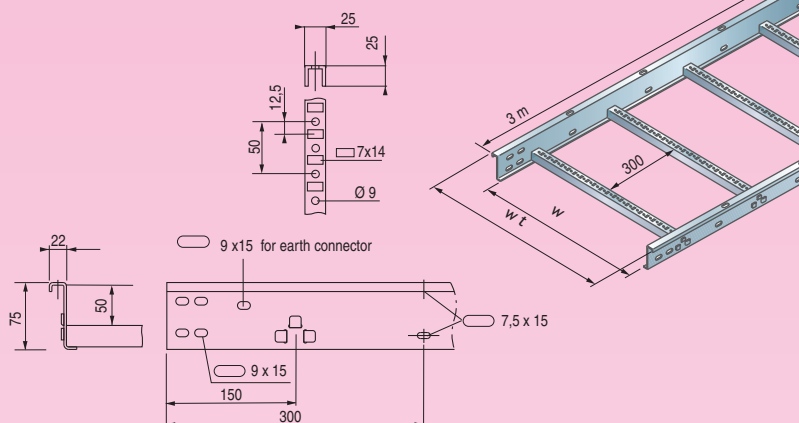
* Safe working load test according to IEC 61537: type 2 tests instructions. Results are selected according to the L/100 max. deflection and the 1.7 safety factor on the resistance while breaking. See page 1-8. Test certificate and class designation to NEMA VEI-2002 on request : see page 1-8.

—● Max. cross section load (kg/m)

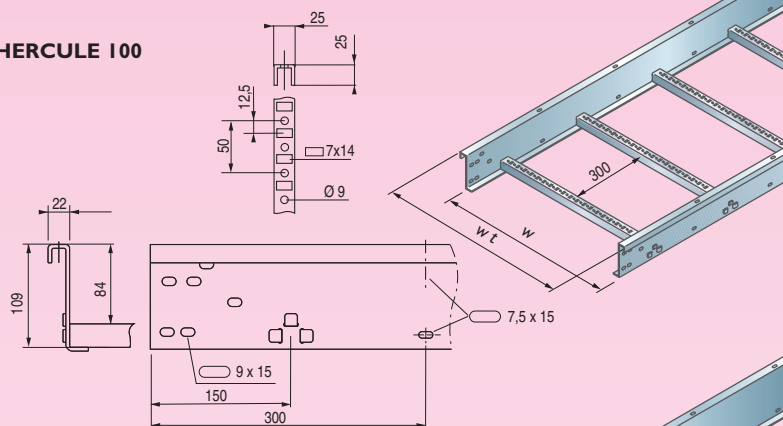
Heavy duty Cable ladders HERCULE RANGE



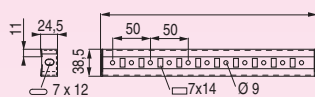
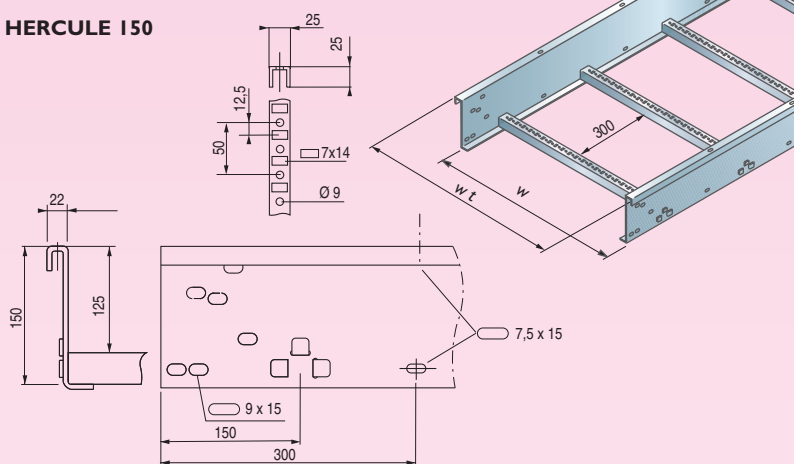
HERCULE 75



HERCULE 100



HERCULE 150



OPTIONAL 1

TRCC 6 x 12

2

HERCULE 75

571NNN

G

572NNN

HDG

w mm	w t mm	Kg / ml	Code 3m	Code 3m
200	250	3,70	571106	572106
300	350	3,98	571073	572073
400	450	4,26	571074	572074
500	550	4,54	571075	572075
600	650	4,82	571076	572076
700	750	5,10	571077	572077
800	850	5,38	571078	572078
900	950	5,66	571079	572079
1000	1050	5,94	571080	572080

6 m on request - wt : Total width

HERCULE 100

200	250	4,54	571102	572102
300	350	4,82	571041	572041
400	450	5,10	571042	572042
500	550	5,38	571043	572043
600	650	5,66	571044	572044
700	750	5,94	571045	572045
800	850	6,22	571046	572046
900	950	6,50	571047	572047
1000	1050	6,78	571048	572048

6 m sur demande - wt : Total width

HERCULE 150

200	250	5,38	571098	572098
300	350	5,66	571009	572009
400	450	5,94	571010	572010
500	550	6,22	571011	572011
600	650	6,50	571012	572012
700	750	6,78	571013	572013
800	850	7,06	571014	572014
900	950	7,34	571015	572015
1000	1050	7,62	571016	572016

6 m on request - wt : Total width

OPTIONAL

- transport cost saving
- easy assembly on site

1- RUNG TO BOLT ON SITE

2- RUNG TO HAMMER ON SITE

574NNN
INOX 304

575NNN
INOX 316

576NNN
AG3

HERCULE - Couplers

P : COUPLER

578NNN
G

579NNN
HDG

Ref. h mm	used for	w mm	 p	Kg/p	Code	Code
P 72	Hercule 75	115	100	0,20	578598	579598
P 106	Hercule 100	150	100	0,32	578711	579711
P 150	Hercule 150	190	100	0,47	578062	579062

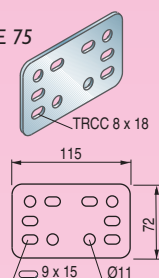
581NNN 304 L	582NNN 316 L	583NNN AG3
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ED : BENDABLE COUPLER

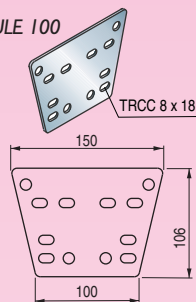
ED 72	Hercule 75	115	100	0,20	578991	579991
ED 106	Hercule 100	150	100	0,32	578992	579992
ED 150	Hercule 150	190	100	0,47	578993	579993

P : COUPLER

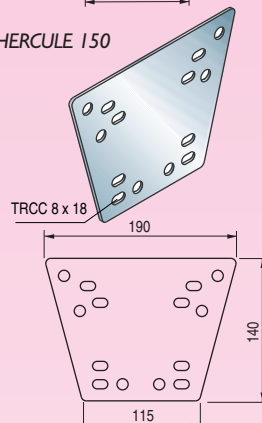
HERCULE 75



HERCULE 100

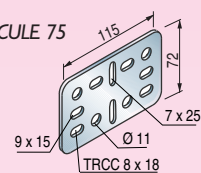


HERCULE 150

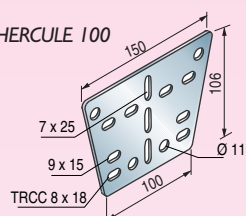


ED : BENDABLE COUPLER

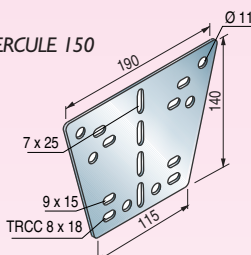
HERCULE 75



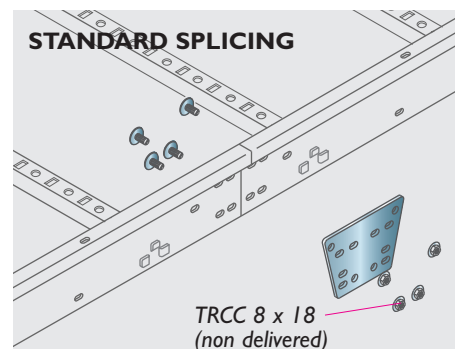
HERCULE 100



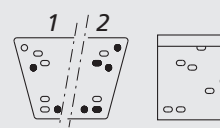
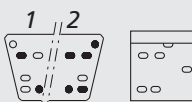
HERCULE 150



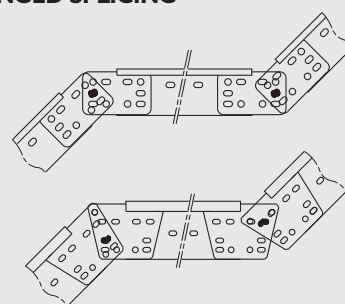
STANDARD SPLICING



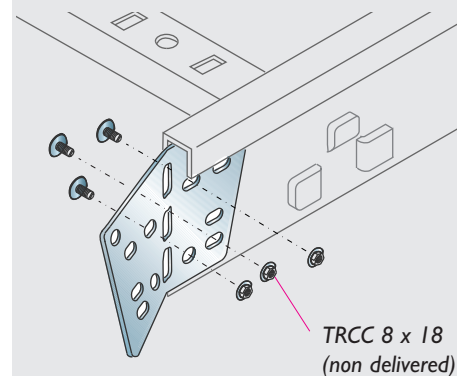
- 1- standard splicing
- 2- straight reinforced splicing



HINGED SPLICING



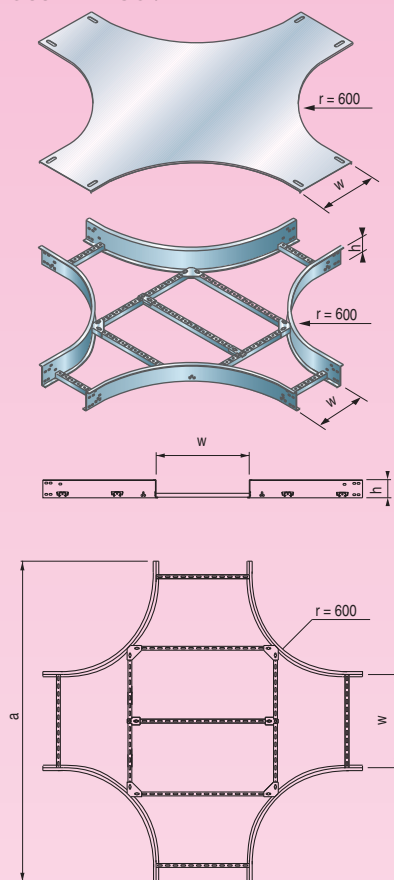
- 2 straight splice plates and 1 or 2 bolt and nuts TRCC 8 x 18 (non delivered).



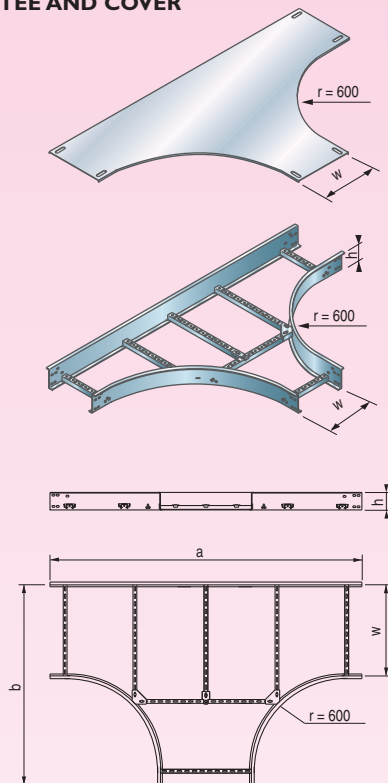
HERCULE CONNECTING UNITS



CROSS AND COVER



TEE AND COVER



CROSS AND COVER

w mm	h mm	a mm	Kg/p	578NNN G	579NNN HDG	578NNN G	579NNN HDG
				Code	Code	Code Cover	Code Cover
200	75	1660	5,65	578769	579769		
	100	1660	7,08	578745	579745	578801	579801
	150	1660	8,53	578721	579721		
300	75	1760	6,57	578577	579577		
	100	1760	7,99	578348	579348	578802	579802
	150	1760	9,44	578103	579103		
400	75	1860	7,25	578578	579578		
	100	1860	8,68	578349	579349	578803	579803
	150	1860	10,12	578104	579104		
500	75	1960	7,93	578579	579579		
	100	1960	9,36	578350	579350	578804	579804
	150	1960	10,81	578105	579105		
600	75	2060	9,15	578580	579580		
	100	2060	10,58	578351	579351	578805	579805
	150	2060	12,02	578106	579106		
700	75	2160	9,91	578581	579581		
	100	2160	11,34	578359	579359	578806	579806
	150	2160	12,78	578107	579107		
800	75	2260	10,67	578582	579582		
	100	2260	12,10	578353	579353	578807	579807
	150	2260	13,54	578108	579108		
900	75	2360	12,19	578583	579583		
	100	2360	13,62	578354	579354	578808	579808
	150	2360	15,06	578109	579109		
1000	75	2460	13,03	578584	579584		
	100	2460	14,45	578355	579355	578809	579809
	150	2460	15,90	578110	579110		

TEE AND COVER

w mm	h mm	a mm	b mm	Kg/p	578NNN G	579NNN HDG	578NNN G	579NNN HDG
					Code	Code	Code Cover	Code Cover
200	75	1660	930	4,65	578768	579768		
	100	1660	930	5,89	578744	579744	578810	579810
	150	1660	930	7,14	578720	579720		
300	75	1760	1030	5,53	578569	579569		
	100	1760	1030	6,82	578340	579340	578811	579811
	150	1760	1030	8,13	578095	579095		
400	75	1860	1130	6,22	578570	579570		
	100	1860	1130	7,56	578341	579341	578812	579812
	150	1860	1130	8,93	578096	579096		
500	75	1960	1230	6,90	578571	579571		
	100	1960	1230	8,30	578342	579342	578813	579813
	150	1960	1230	9,72	578097	579097		
600	75	2060	1330	8,09	578572	579572		
	100	2060	1330	9,54	578343	579343	578814	579814
	150	2060	1330	11,01	578098	579098		
700	75	2160	1430	8,85	578573	579573		
	100	2160	1430	10,36	578344	579344	578815	579815
	150	2160	1430	11,88	578099	579099		
800	75	2260	1530	9,61	578574	579574		
	100	2260	1530	11,17	578345	579345	578816	579816
	150	2260	1530	12,76	578100	579100		
900	75	2360	1630	11,10	578575	579575		
	100	2360	1630	12,71	578346	579346	578817	579817
	150	2360	1630	14,35	578101	579101		
1000	75	2460	1730	11,94	578576	579576		
	100	2460	1730	13,61	578347	579347	578818	579818
	150	2460	1730	15,30	578102	579102		

581NNN
304 L

582NNN
316 L

583NNN
AG3

HERCULE CONNECTING UNITS

90° HORIZONTAL BEND AND COVER

578NNN

G

579NNN

HDG

578NNN

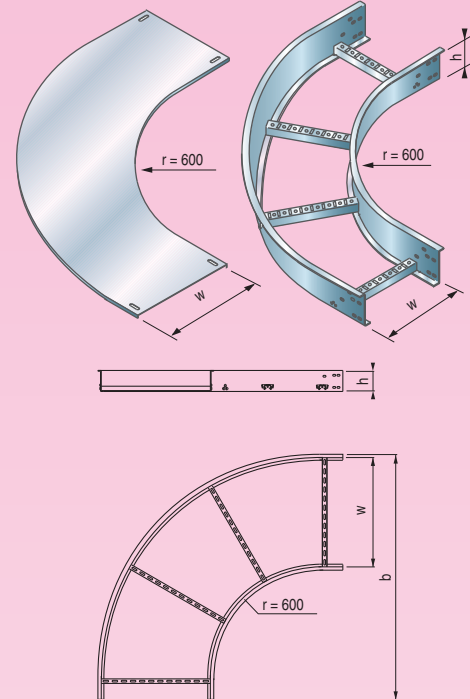
G

579NNN

HDG

w mm	h mm	b mm	Kg/p	Code	Code	Code Cover	Code Cover
200	75	930	3,17	578766	579766		
	100	930	4,05	578742	579742	578783	579783
	150	930	4,95	578718	579718		
300	75	1030	3,72	578553	579553		
	100	1030	4,69	578324	579324	578784	579784
	150	1030	5,67	578079	579079		
400	75	1130	4,27	578554	579554		
	100	1130	5,32	578325	579325	578785	579785
	150	1130	6,39	578080	579080		
500	75	1230	4,82	578555	579555		
	100	1230	5,95	578326	579326	578786	579786
	150	1230	7,11	578081	579081		
600	75	1330	6,73	578556	579556		
	100	1330	7,96	578327	579327	578787	579787
	150	1330	9,20	578082	579082		
700	75	1430	7,51	578557	579557		
	100	1430	8,82	578328	579328	578788	579788
	150	1430	10,14	578083	579083		
800	75	1530	8,29	578558	579558		
	100	1530	9,68	578329	579329	578789	579789
	150	1530	11,09	578084	579084		
900	75	1630	9,06	578559	579559		
	100	1630	10,54	578330	579330	578790	579790
	150	1630	12,04	578085	579085		
1000	75	1730	9,84	578560	579560		
	100	1730	11,40	578331	579331	578791	579791
	150	1730	12,99	578086	579086		

90° HORIZONTAL BEND AND COVER



45° HORIZONTAL BEND AND COVER

578NNN

G

579NNN

HDG

578NNN

G

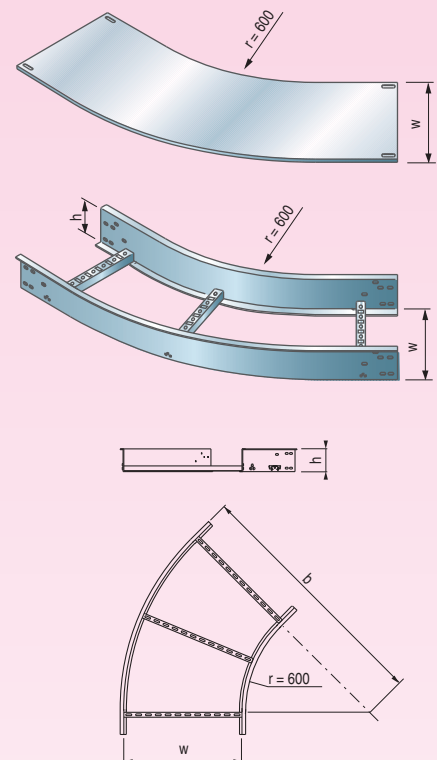
579NNN

HDG

w mm	h mm	b mm	Kg/p	Code	Code	Code Cover	Code Cover
200	75	800	2,15	578765	579765		
	100	800	2,73	578741	579741	578792	579792
	150	800	3,32	578717	579717		
300	75	900	2,50	578545	579545		
	100	900	3,12	578316	579316	578793	579793
	150	900	3,76	578071	579071		
400	75	1000	2,85	578546	579546		
	100	1000	3,51	578317	579317	578794	579794
	150	1000	4,19	578072	579072		
500	75	1100	3,20	578547	579547		
	100	1100	3,91	578318	579318	578795	579795
	150	1100	4,63	578073	579073		
600	75	1200	3,55	578548	579548		
	100	1200	4,30	578319	579319	578796	579796
	150	1200	5,06	578074	579074		
700	75	1300	3,90	578549	579549		
	100	1300	4,69	578320	579320	578797	579797
	150	1300	5,50	578075	579075		
800	75	1400	4,25	578550	579550		
	100	1400	5,09	578321	579321	578798	579798
	150	1400	5,93	578076	579076		
900	75	1500	4,60	578551	579551		
	100	1500	5,48	578322	579322	578799	579799
	150	1500	6,37	578077	579077		
1000	75	1600	4,95	578552	579552		
	100	1600	5,87	578323	579323	578800	579800
	150	1600	6,81	578078	579078		

Spacing of rungs: 300 mm in the median axis.

45° HORIZONTAL BEND AND COVER

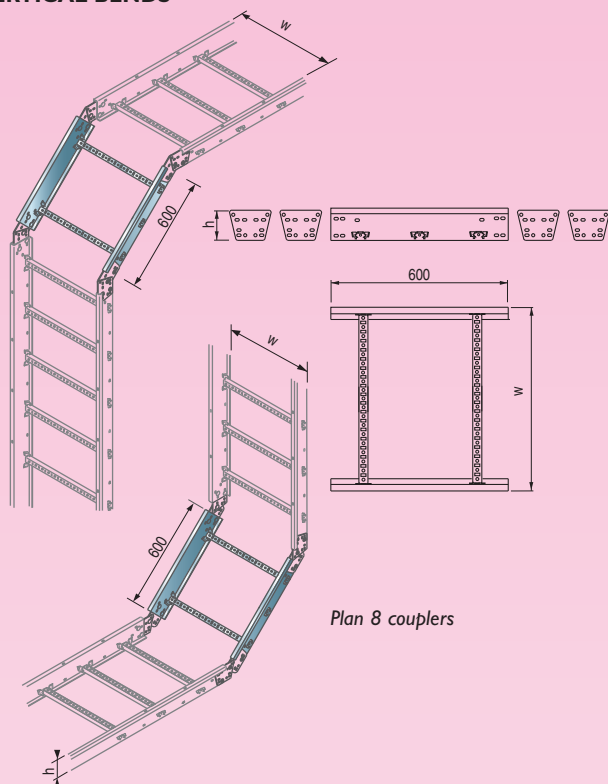


581NNN 304 L 582NNN 316 L 583NNN AG3

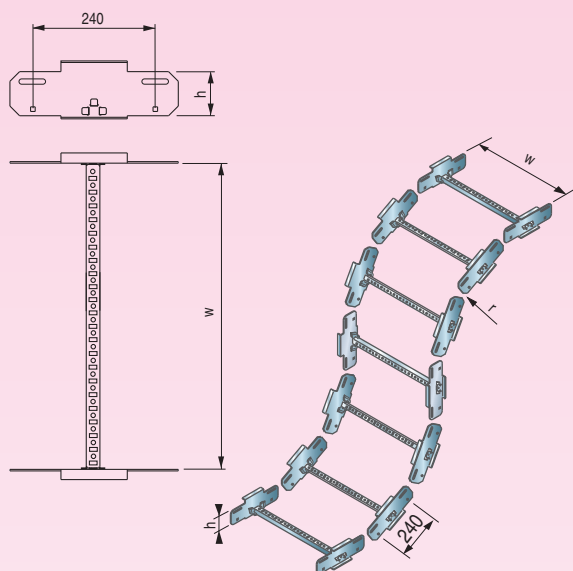
HERCULE CONNECTING UNITS



VERTICAL BENDS



UNIT FOR VERTICAL BEND



r 300 = 2 parts

r 600 = 4 parts

VERTICAL BENDS

578NNN

G

579NNN

HDG

578NNN

G

579NNN

HDG

w mm	h mm	Kg/p	Code	Code	Code Cover	Code Cover
200	75	2,24	578767	579767		
	100	3,35	578743	579743	578819	579819
	150	4,47	578719	579719		
300	75	2,39	578561	579561		
	100	3,50	578332	579332	578820	579820
	150	4,62	578087	579087		
400	75	2,45	578562	579562		
	100	3,59	578333	579333	578821	579821
	150	4,81	578088	579088		
500	75	2,51	578563	579563		
	100	3,70	578334	579334	578822	579822
	150	4,88	578089	579089		
600	75	2,59	578564	579564		
	100	3,80	578335	579335	578823	579823
	150	5,00	578090	579090		
700	75	2,66	578565	579565		
	100	3,89	578336	579336	578824	579824
	150	5,07	578091	579091		
800	75	2,72	578566	579566		
	100	3,99	578337	579337	578825	579825
	150	5,33	578092	579092		
900	75	2,79	578567	579567		
	100	4,08	578338	579338	578826	579826
	150	5,46	578093	579093		
1000	75	2,85	578568	579568		
	100	4,19	578339	579339	578827	579827
	150	5,78	578094	579094		

UNIT FOR VERTICAL BEND

578NNN

G

579NNN

HDG

w mm	h mm	Kg/p	Code	Code
200	75	0,80	578770	579770
	100	1,21	578746	579746
	150	1,63	578722	579722
300	75	0,88	578585	579585
	100	1,29	578356	579356
	150	1,70	578111	579111
400	75	0,91	578586	579586
	100	1,33	578357	579357
	150	1,78	578112	579112
500	75	0,93	578587	579587
	100	1,36	578358	579358
	150	1,80	578113	579113
600	75	0,96	578588	579588
	100	1,40	578359	579359
	150	1,85	578114	579114
700	75	0,98	578589	579589
	100	1,44	578360	579360
	150	1,87	578115	579115
800	75	1,00	578590	579590
	100	1,47	578361	579361
	150	1,97	578116	579116
900	75	1,03	578591	579591
	100	1,51	578362	579362
	150	2,02	578117	579117
1000	75	1,05	578592	579592
	100	1,55	578363	579363
	150	2,14	578118	579118

581NNN
INOX 304

582NNN
INOX 316

583NNN
AG3

HERCULE Accessories

SL CLAMP

578NNN

G

579NNN

HDG

Typ	Kg / p	Code	Code
SL Clamp	0,03	578906	579906

581NNN

304 L

582NNN

316 L

583NNN

AG3

HOOK CLAMP PS 686

678NNN

HDG

Typ	h mm	Kg / p	Code
PS 686	5-15	0,11	678082

Plan Topgrip PS 12 TG + H 12x50 bolt (p. 8-1 et 8-2).

685NNN

304 L

684NNN

316 L

75 x 45 BRACKET

613NNN

G

614NNN

HDG

Typ	Kg / p	Code	Code
Bracket	0,12	613001	614001

616NNN

304 L

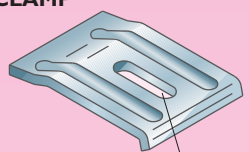
617NNN

316 L

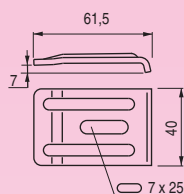
618NNN

AG3

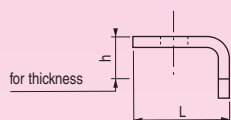
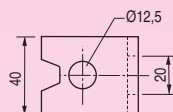
SL CLAMP



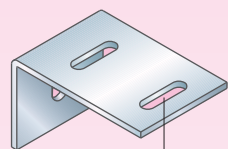
TRCC 6 x 20



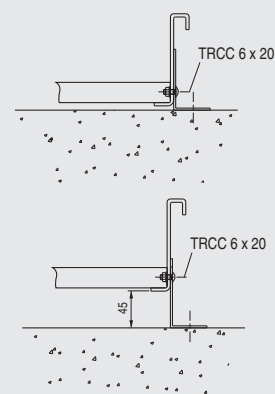
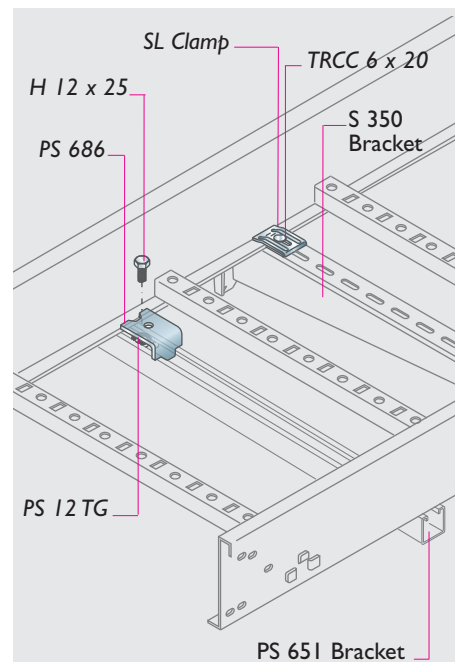
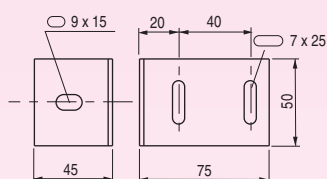
PS 686



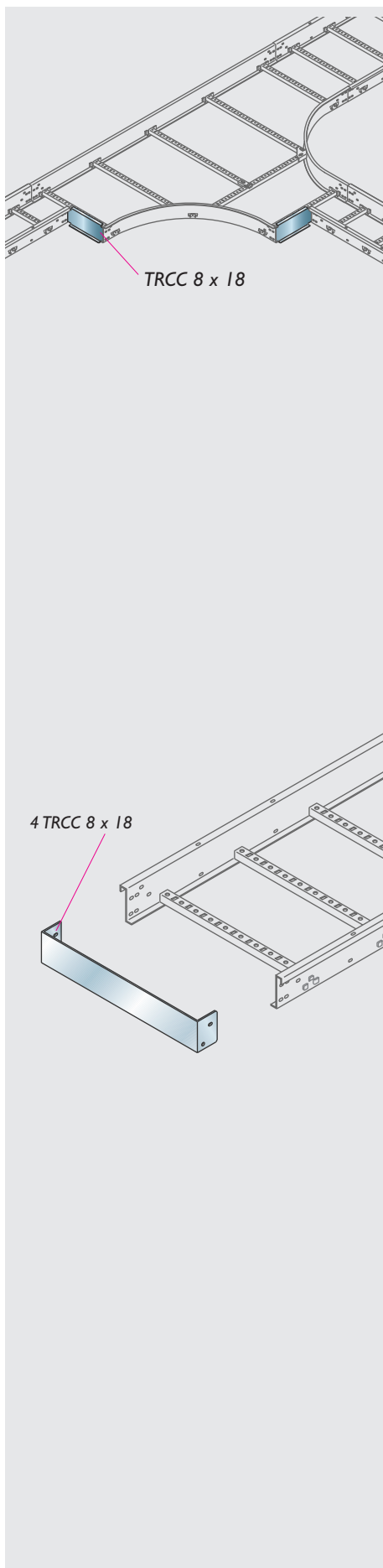
75 X 45 BRACKET



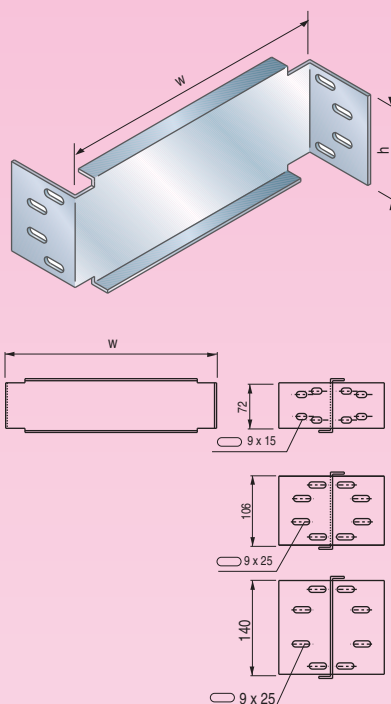
TRCC 6 x 12



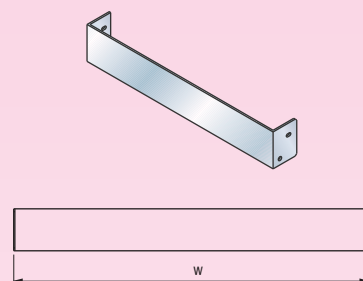
HERCULE ACCESSORIES



REDUCER



END PLATE



REDUCER

578NNN
G

579NNN
HDG

w mm	h mm	Kg / p	Code	Code
100	72	0,27	578593	579593
200		0,44	578595	579595
300		0,59	578597	579597
400		0,77	578900	579900
500		0,93	578901	579901
100	106	0,41	578303	579303
200		0,62	578305	579305
300		0,84	578307	579307
400		1,06	578902	579902
500		1,28	578903	579903
100	140	0,55	578057	579057
200		0,82	578059	579059
300		1,11	578061	579061
400		1,38	578904	579904
500		1,65	578905	579905

END PLATE

578NNN
G

579NNN
HDG

Ref.	h mm	w mm	Kg / p	Code	Code
EE 72 (HERCULE 75)	72	200	0,32	578907	579907
		300	0,42	578908	579908
		400	0,52	578909	579909
		500	0,62	578910	579910
		600	0,72	578911	579911
		700	0,82	578912	579912
		800	0,92	578913	579913
		900	1,02	578914	579914
		1000	1,12	578915	579915
EE 106 (HERCULE 100)	106	200	0,48	578916	579916
		300	0,62	578917	579917
		400	0,77	578918	579918
		500	0,92	578919	579919
		600	1,07	578920	579920
		700	1,21	578921	579921
		800	1,36	578922	579922
		900	1,51	578923	579923
		1000	1,66	578924	579924
EE 140 (HERCULE 150)	150	200	0,62	578925	579925
		300	0,82	578926	579926
		400	1,02	578927	579927
		500	1,22	578928	579928
		600	1,41	578929	579929
		700	1,61	578930	579930
		800	1,80	578931	579931
		900	2,00	578932	579932
		1000	2,20	578933	579933

581NNN
304 L

582NNN
316 L

583NNN
AG3

HERCULE Accessories

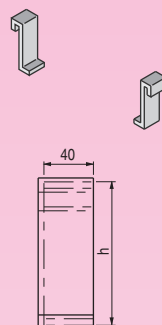
EP : END CAP

584NNN

PVC

Ref.	h mm	Kg / p	Code
EP 72 (HERCULE 75)	72	0,04	584934
EP 106 (HERCULE 100)	106	0,06	584935
EP 150 (HERCULE 150)	150	0,08	584936

EP : END CAP



SC : CABLE OUTLET

578NNN

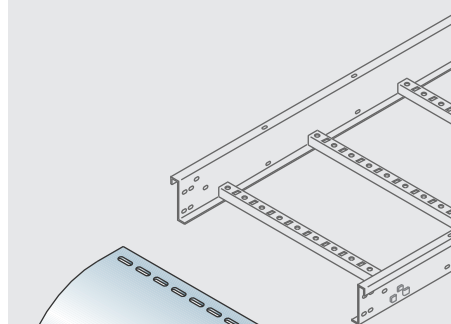
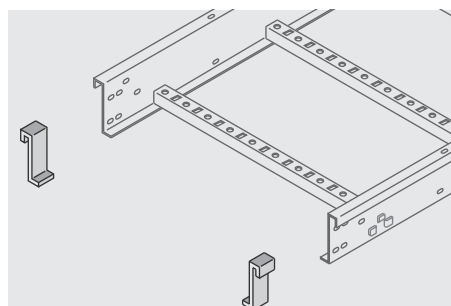
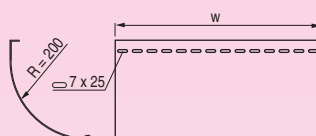
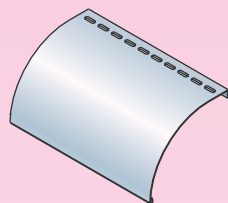
G

579NNN

HDG

Ref.	w mm	Kg / p	Code	Code
SC	200	0,65	578937	579937
	300	1,08	578938	579938
	400	1,52	578939	579939
	500	1,95	578940	579940
	600	2,38	578941	579941
	700	2,81	578942	579942
	800	3,25	578943	579943
	900	3,68	578944	579944
	1000	4,11	578945	579945

SC : CABLE OUTLET



TRCC 6 x 12

581NNN

304 L

582NNN

316 L

583NNN

AG3

DIVIDER

599NNN

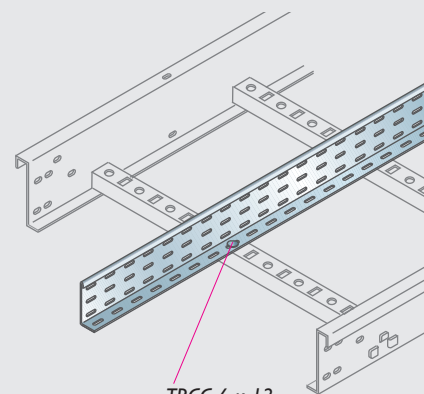
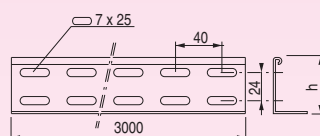
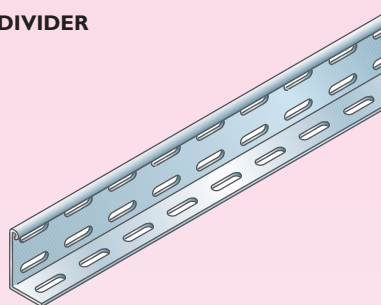
G

600NNN

HDG

Dimensions h x w mm	Kg / m	Code	Code
48 x 24	0,40	599032	600032
72 x 24	0,53	599033	600033
96 x 24	0,65	599034	600034

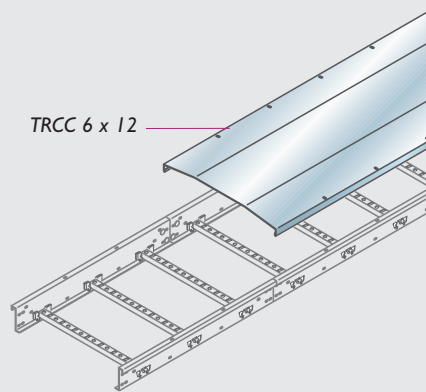
DIVIDER



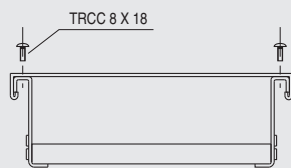
TRCC 6 x 12



HERCULE COVERS

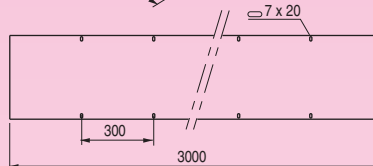
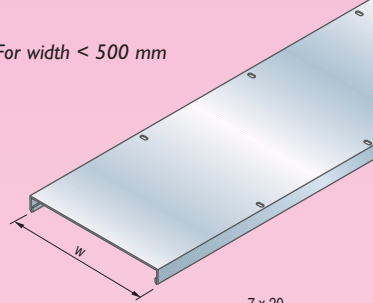


TRCC 6 x 12

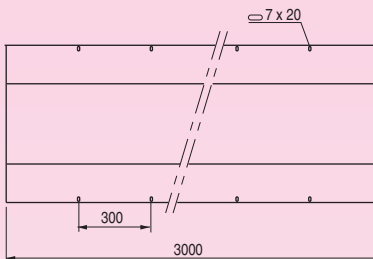
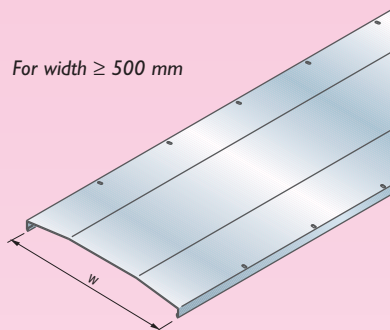


TRCC 8 x 18

For width < 500 mm



For width ≥ 500 mm



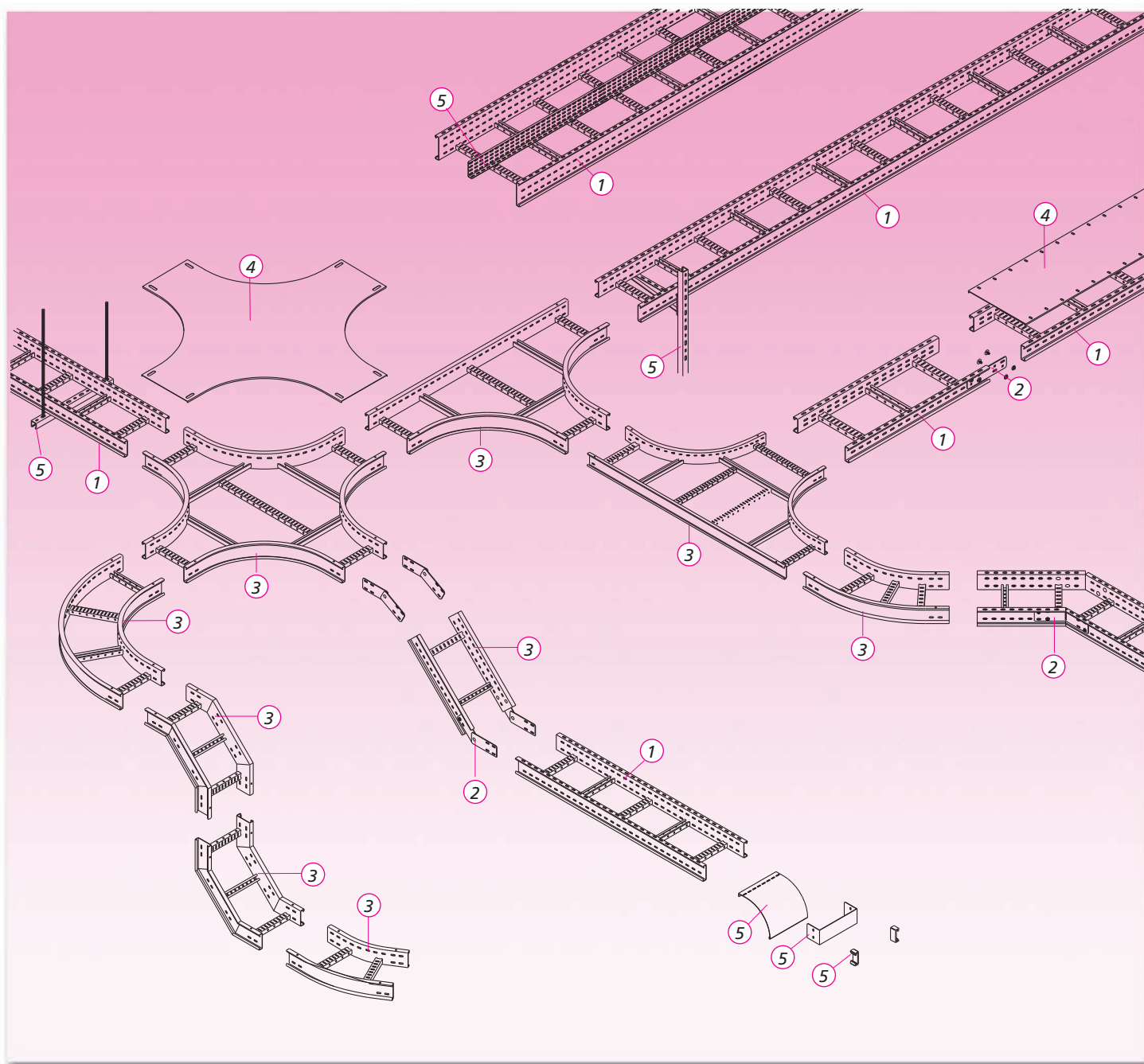
COVERS

w mm	Kg / m	534NNN G	530NNN HDG
		Code	Code
200	2,30	534001	530001
300	3,08	534002	530002
400	3,86	534003	530003
500	4,64	534004	530004
600	5,42	534005	530005
700	6,20	534006	530006
800	6,98	534007	530007
900	7,76	534008	530008
1000	8,54	534009	530009

537NNN
304 L

541NNN
316 L

Cable ladders - ATLAS RANGE



- ① Cable ladder
- ② Couplers
- ③ Connecting units
- ④ Covers
- ⑤ Channels and Accessories

EXTRA heavy duty Cable ladders ATLAS RANGE

APPLICATIONS :

Any extra heavy duty application in severe environments.

BENEFITS :

High mechanicals : Welded construction suitable for severe conditions (vibrations, overloading) and environments. Raw materials : hot dip galvanized sheet metal, stainless steel and aluminium.

- Height : 75, 100, 150 mm. Widths: from 150 up to 900 mm. Loading test are carried out according to the IEC 61537 or NEMA VEI-2002*.
- Great versatility : simple cabling or cabling on each side due to the alternate rungs, direct fixing onto supports thanks to perforated beams, direct assembly of equipment or covers, suitable for cable clamp systems and for low bending radius power cables.
- A comprehensive range of ancillary items and bends suitable to any installation configuration.
- Recyclable : no chromium (EZ & HDG).
- Electrical continuity according to the IEC61537 standard
- Easy location and ventilation of power cables.

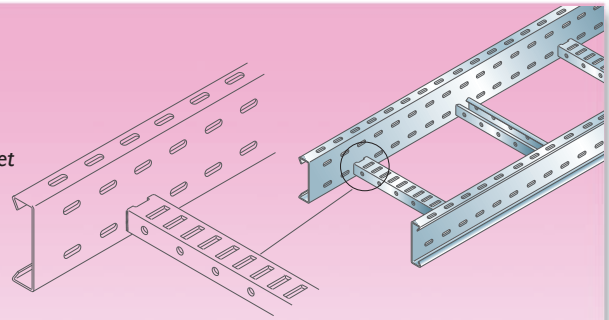
SPECIFICATIONS :

TOLMEGA extra heavy duty cable ladder range with safety perforated C-shaped welded rungs and beams, ATLAS range or equivalent according to the IEC 61537 or NEMA VEI-2002.

This specification is a format for engineering specification.

This format is to be used as a guide.

Certain conditions of the intended application, however, may require modifications.

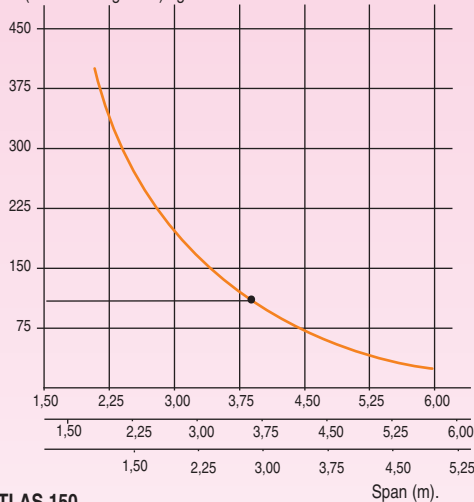


- standard length : 3 m - on request : 6 m
- width : 150 - 300 - 450 - 600 - 750 - 900 mm
- height : 75 - 100 - 150 mm
- rung spacing : 300 mm
- connecting units : 90°, 45° bends - vertical bends
tee - cross - reducers
on request : unequal tee - unequal cross
- radius for connecting units : 500 mm
Other radius on request.

Loading graphs *

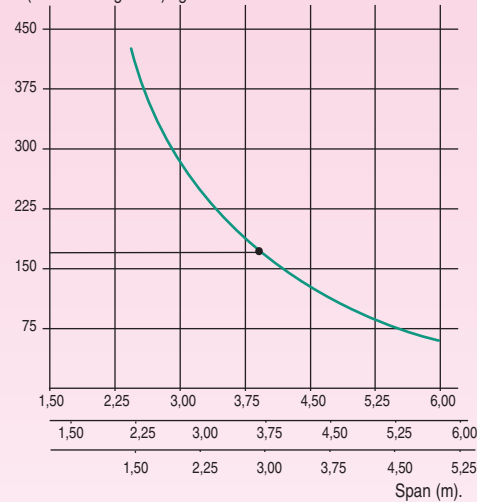
ATLAS 75

SWL (Safe Working Load) kg/m.



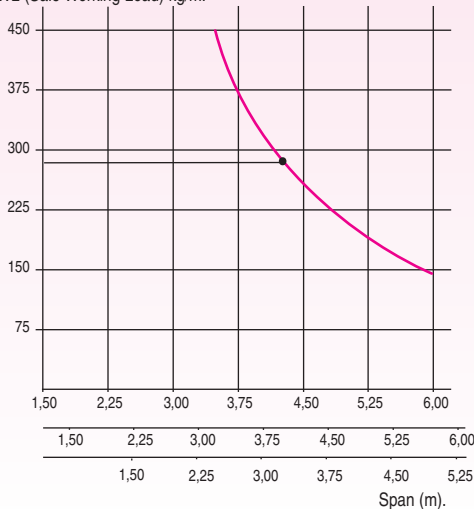
ATLAS 100

SWL (Safe Working Load) kg/m.



ATLAS 150

SWL (Safe Working Load) kg/m.



Maximum load capacity (kg/m)
according to cable density

Width (mm)	Power cables 0,28 kg/cm ² /ml		
	ATLAS 75	ATLAS 100	ATLAS 150
150	16,5	26,9	47,9
300	32,8	53,8	95,8
450	49,3	80,6	143,6
600	65,5	107,5	191,5
750	82,0	134,4	239,4
900	98,3	161,3	287,3

* Safe working load test according to IEC 61537: type 2 tests instructions. Results are selected according to the L/100 max. deflection and the 1.7 safety factor on the resistance while breaking. See page 1-8. Test certificate and class designation to NEMA VEI 2002 on request : see page 1-8.

—● Max. cross section load (kg/m)

Technical drawing of a metal structure, showing a side view and a detail view.

Side View Dimensions:

- Overall length: 3000
- Support spacing: 150, 300
- Support width: 25
- Beam width: 16
- End flange width: 9
- Support profile: 7 x 25

Detail View Dimensions:

- Overall height: 75
- Flange width: 25
- Web height: 39
- Web thickness: Ø 9
- Bottom flange width: thickness
- Internal slot width: 8,5 x 25
- Internal slot spacing: 50

590NN
AG3

ATLAS - Couplers

P : COUPLER

593NNN

GAC

Ref. h mm	used for	Kg/p	Code
P 75	Atlas 75	0,33	593008
P 100	Atlas 100	0,46	593005
P 150	Atlas 150	0,67	593002

EA : BENDABLE COUPLER

EA 75	Atlas 75	0,50	593009
EA 100	Atlas 100	0,72	593006
EA 150	Atlas 150	1,01	593003

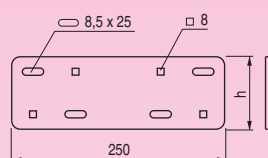
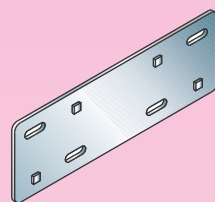
ED : HINGED COUPLER

ED 75	Atlas 75	0,42	593010
ED 100	Atlas 100	0,55	593007
ED 150	Atlas 150	0,95	593004

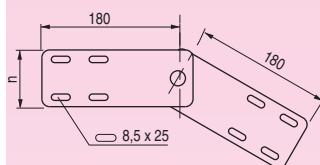
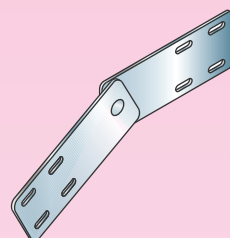
596NNN 316 L

597NNN AG3

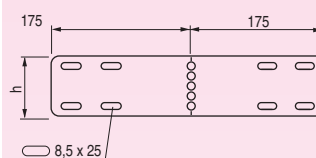
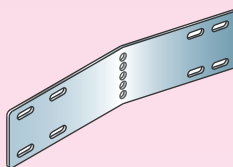
P : COUPLER



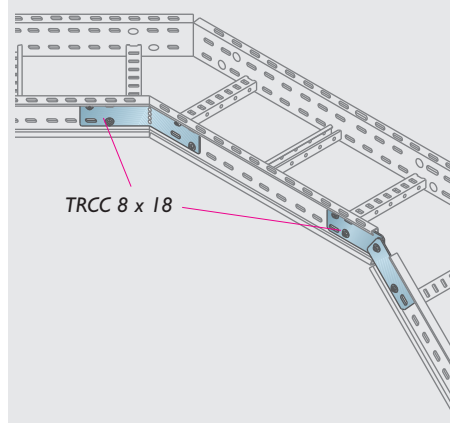
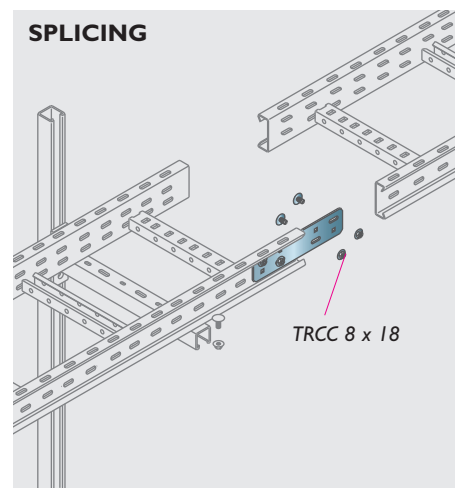
EA : BENDABLE COUPLER

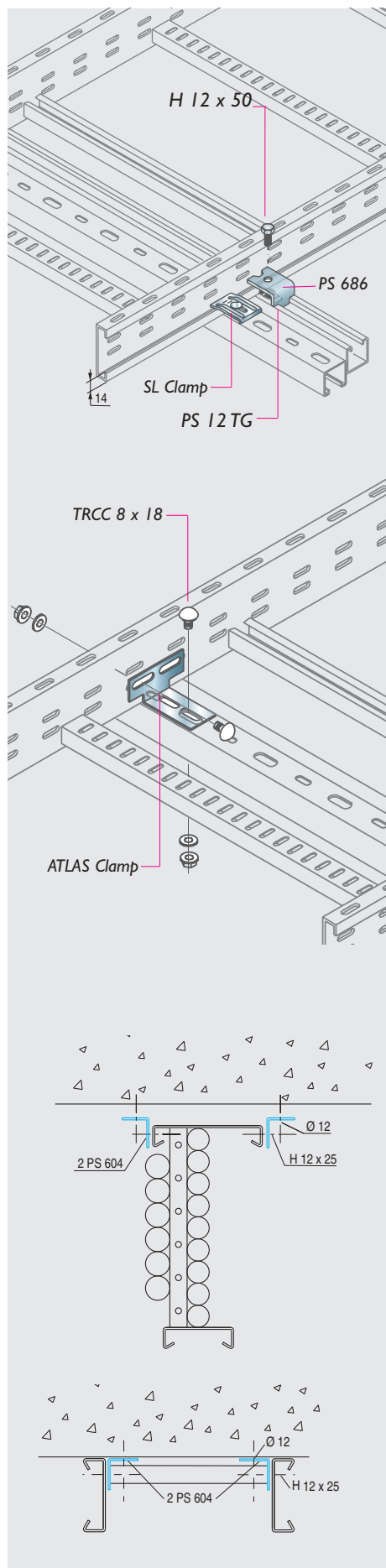


ED : HINGED COUPLER

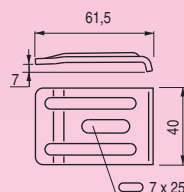
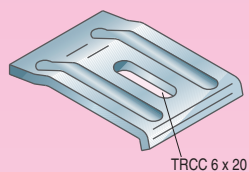


SPLICING

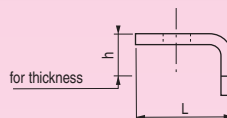
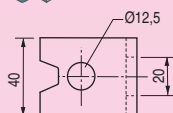
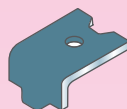




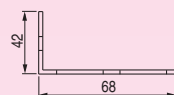
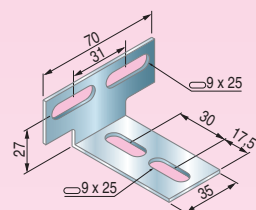
SL CLAMP



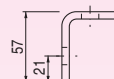
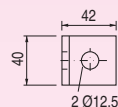
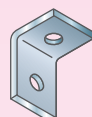
PS 686



ATLAS CLAMP



PS 604



SL CLAMP

Type	Kg / p	Code	Code
SL Clamp	0,03	578906	579906

582NNN
316 L

583NNN
AG3

578NNN
G

579NNN
HDG

HOOK CLAMP PS 686

678NNN

HDG

Type	h mm	Kg / p	Code
PS 686	5-15		678082

Plan Topgrip PS 12 TG + H 12x50 bolt (p. 8-1 et 8-2).

684NNN
316 L

ATLAS CLAMP

593NNN

HDG

Type	h mm	Kg / p	Code
Atlas Clamp	5-15	0,03	593001

596NNN
316 L

2 HOLES ANGLE: PS 604

PS 604	0,13	678032
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685NNN
316 L

ATLAS CONNECTING UNITS

90° BEND

593NNN

HDG

w mm	h mm	b mm	Kg/p	Code
150	75	785	3,90	593090
	100	785	5,30	593084
	150	785	6,60	593078
300	75	935	4,85	593091
	100	935	6,30	593085
	150	935	7,80	593079
450	75	1085	5,80	593092
	100	1085	7,40	593086
	150	1085	9,00	593080
600	75	1235	7,40	593093
	100	1235	9,15	593087
	150	1235	10,90	593081
750	75	1385	8,50	593094
	100	1385	10,40	593088
	150	1385	12,25	593082
900	75	1535	9,70	593095
	100	1535	11,70	593089
	150	1535	13,30	593083

COVER

w mm	Kg/p	Code
150	1,69	593096
300	3,15	593097
450	4,84	593098
600	10,32	593099
750	13,76	593100
900	17,60	593101

45° BEND

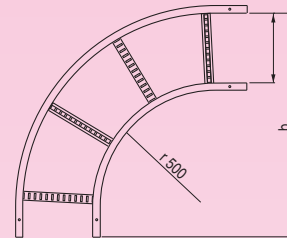
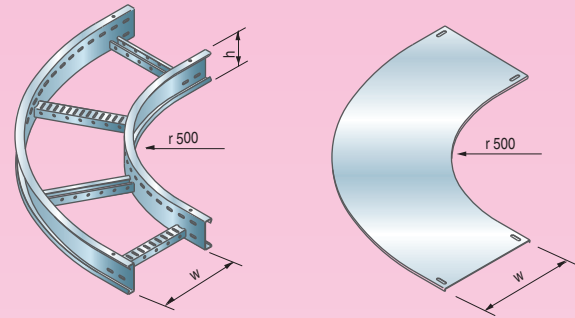
150	75	650	2,50	593114
	100	650	3,30	593108
	150	650	4,10	593102
300	75	800	3,10	593115
	100	800	4,00	593109
	150	800	4,90	593103
450	75	950	3,70	593116
	100	950	4,70	593110
	150	950	5,60	593104
600	75	1100	4,40	593117
	100	1100	5,45	593111
	150	1100	6,50	593105
750	75	1250	5,00	593118
	100	1250	6,15	593112
	150	1250	7,25	593106
900	75	1400	5,60	593119
	100	1400	6,80	593113
	150	1400	8,00	593107

COVER

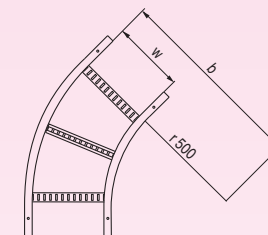
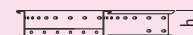
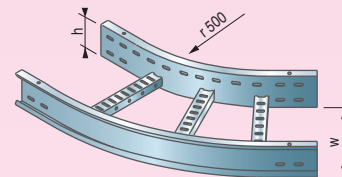
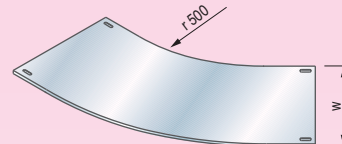
150	0,85	593120
300	1,58	593121
450	2,42	593122
600	5,16	593123
750	6,88	593124
900	8,80	593125

595NNN 304 L 596NNN 316 L 597NNN AG3

90° BEND



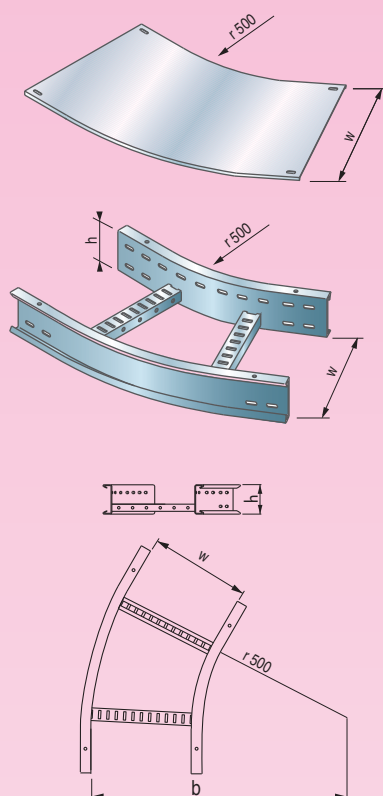
45° BEND



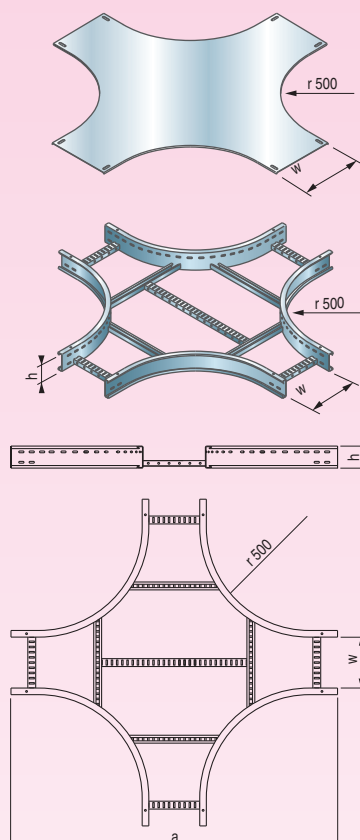
ATLAS CONNECTING UNITS



30° BEND



EQUAL CROSS



30° BEND

593NNN

HDG

w mm	h mm	b mm	Kg/p	Code
150	75	650	1,85	593138
	100	650	2,50	593132
	150	650	3,15	593126
300	75	800	2,30	593139
	100	800	3,00	593133
	150	800	3,70	593127
450	75	950	2,75	593140
	100	950	3,50	593134
	150	950	4,25	593128
600	75	1100	3,20	593141
	100	1100	4,00	593135
	150	1100	4,80	593129
750	75	1250	3,80	593142
	100	1250	4,70	593136
	150	1250	5,45	593130
900	75	1300	4,00	593143
	100	1300	4,90	593137
	150	1300	5,75	593131

COVER

w mm	Kg/p	Code
150	0,56	593144
300	1,05	593145
450	1,61	593146
600	3,44	593147
750	4,58	593148
900	5,88	593149

EQUAL CROSS

150	75	1420	8,50	593042
	100	1420	10,90	593036
	150	1420	13,30	593030
300	75	1570	9,80	593043
	100	1570	12,30	593037
	150	1570	14,70	593031
450	75	1720	12,20	593044
	100	1720	14,60	593038
	150	1720	17,00	593032
600	75	1870	13,80	593045
	100	1870	16,20	593039
	150	1870	18,60	593033
750	75	2020	15,80	593046
	100	2020	17,50	593040
	150	2020	21,25	593034
900	75	2170	18,30	593047
	100	2170	20,70	593041
	150	2170	23,05	593035

COVER

150	7,07	593048
300	10,57	593049
450	14,41	593050
600	27,81	593051
750	34,64	593052
900	41,90	593053

UNEQUAL CROSS ON REQUEST

595NNN 304 L 596NNN 316 L 583NNN AG3

ATLAS CONNECTING UNITS

TEE

593NNN

HDG

w mm	h mm	a mm	b mm	Kg/p	Code
150	75	1420	785	6,65	593066
	100	1420	785	8,70	593060
	150	1420	785	10,70	593054
300	75	1570	935	7,90	593067
	100	1570	935	10,00	593061
	150	1570	935	12,10	593055
450	75	1720	1085	9,90	593068
	100	1720	1085	12,10	593062
	150	1720	1085	14,25	593056
600	75	1870	1235	11,50	593069
	100	1870	1235	13,75	593063
	150	1870	1235	16,00	593057
750	75	2020	1385	12,95	593070
	100	2020	1385	15,50	593064
	150	2020	1385	17,50	593058
900	75	2170	1535	15,50	593071
	100	2170	1535	17,90	593065
	150	2170	1535	20,40	593059

COVER

w mm	Kg/p	Code
150	4,33	593072
300	7,09	593073
450	10,18	593074
600	20,47	593075
750	26,18	593076
900	32,42	593077

UNEQUAL TEE ON REQUEST

VERTICAL INSIDE AND OUTSIDE BEND

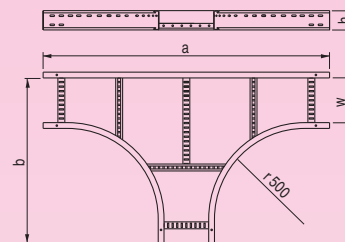
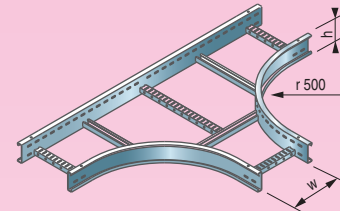
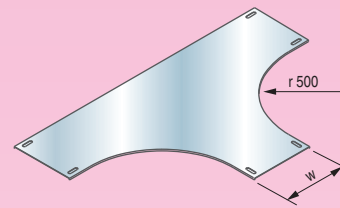
w mm	h mm	b mm	Kg/p	Code inside	Code outside
150	75	525	2,40	593162	593186
	100	500	3,20	593156	593180
	150	487	4,10	593150	593174
300	75	525	2,90	593163	593187
	100	500	3,70	593157	593181
	150	487	4,55	593151	593175
450	75	525	3,30	593164	593188
	100	500	4,20	593158	593182
	150	487	5,05	593152	593176
600	75	525	3,80	593165	593189
	100	500	4,70	593159	593183
	150	487	5,50	593153	593177
750	75	525	4,20	593166	593190
	100	500	5,10	593160	593184
	150	487	5,90	593154	593178
900	75	525	4,80	593167	593191
	100	500	5,65	593161	593185
	150	487	6,50	593155	593179

COVER

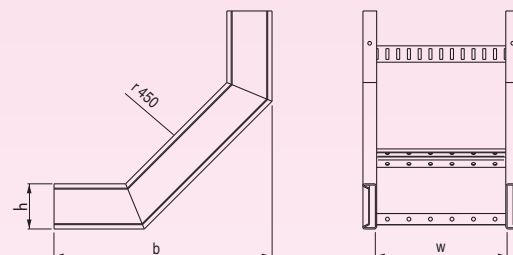
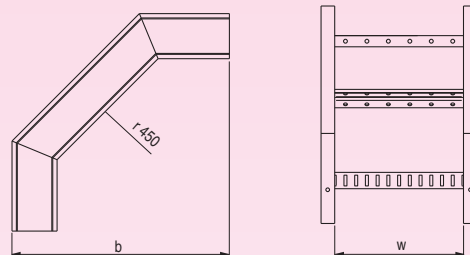
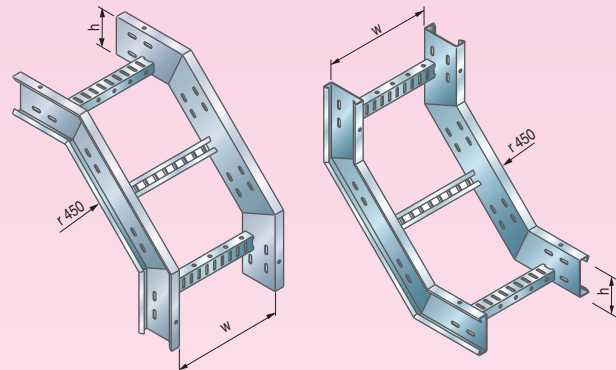
w mm	Kg/p	Code
150	1,10	593168
300	1,85	593169
450	2,60	593170
600	3,30	593171
750	4,00	593172
900	4,80	593173

595NNN 304 L 596NNN 316 L 597NNN AG3

TEE



VERTICAL INSIDE AND OUTSIDE BEND

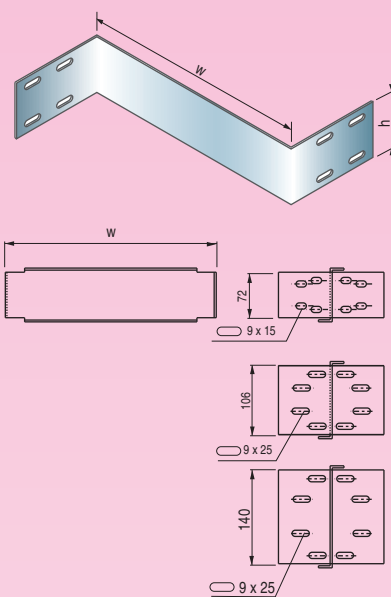




ATLAS Accessories



REDUCER



REDUCER

593NNN

HDG

w mm	h mm	Kg / p	Code
150	75	1,17	593011
300		1,61	593012
450		2,05	593014
150	100	0,70	593015
300		0,97	593016
450		1,23	593017
600		1,50	593018
150	150	0,47	593019
300		0,64	593020
450		0,82	593021
600		0,99	593022

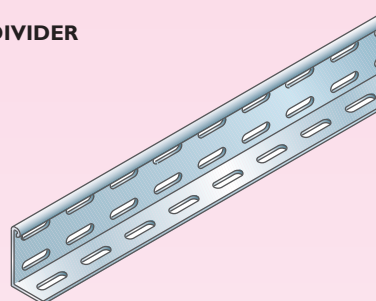
596NNN

316 L

597NNN

AG3

DIVIDER



DIVIDER

600NNN

HDG

Dimensions h x w mm	Kg / m	Code
48 x 24	0,40	600032
72 x 24	0,53	600033
96 x 24	0,65	600034

603NNN

316 L

604NNN

AG3

ATLAS Accessories

EE : END PLATE

593NNN

G

Ref.	h mm	w mm	Kg / p	Code
EE 75 (ATLAS 75)	75	150	0,31	593198
		300	0,44	593199
		450	0,53	593200
		600	0,66	593201
		750	0,79	593202
		900	0,92	593203
EE 100 (ATLAS 100)	100	150	0,41	593204
		300	0,58	593205
		450	0,70	593206
		600	0,88	593207
		750	1,05	593208
		900	1,23	593209
EE 150 (ATLAS 150)	150	150	0,62	593210
		300	0,88	593211
		450	1,06	593212
		600	1,32	593213
		750	1,58	593214
		900	1,84	593215

596NNN

316 L

597NNN

AG3

EP : END CAP

598NNN

PVC

Ref.	h mm	Kg / p	Code
EP 75 (ATLAS 75)	75	0,07	598216
EP 100 (ATLAS 100)	100	0,09	598217
EP 150 (ATLAS 150)	150	0,13	598218

SC : CABLE OUTLET

593NNN

G

Ref.	w mm	Kg / p	Code
SC	150	0,80	593219
	300	1,25	593220
	450	1,90	593221
	600	2,50	593222
	750	3,20	593223
	900	3,80	593224

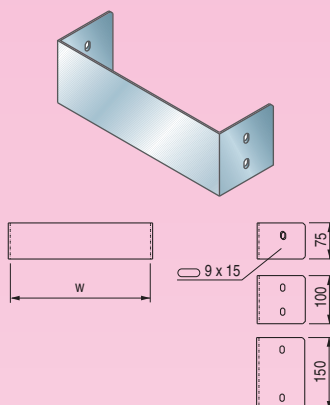
596NNN

316 L

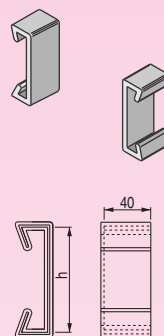
597NNN

AG3

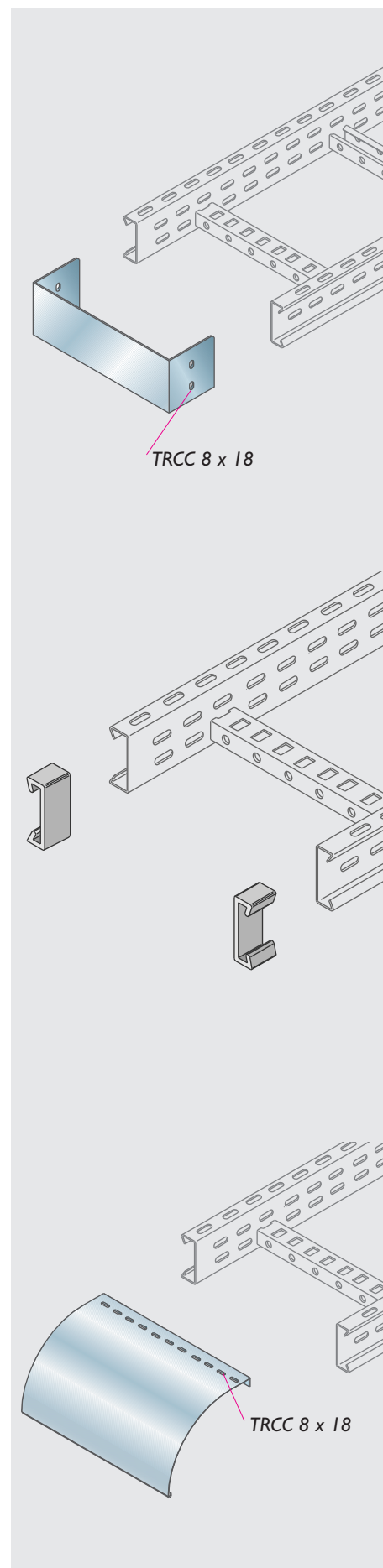
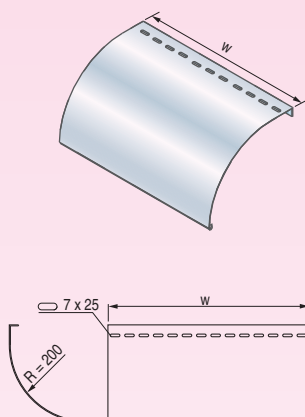
EE : END PLATE



EP : END CAP

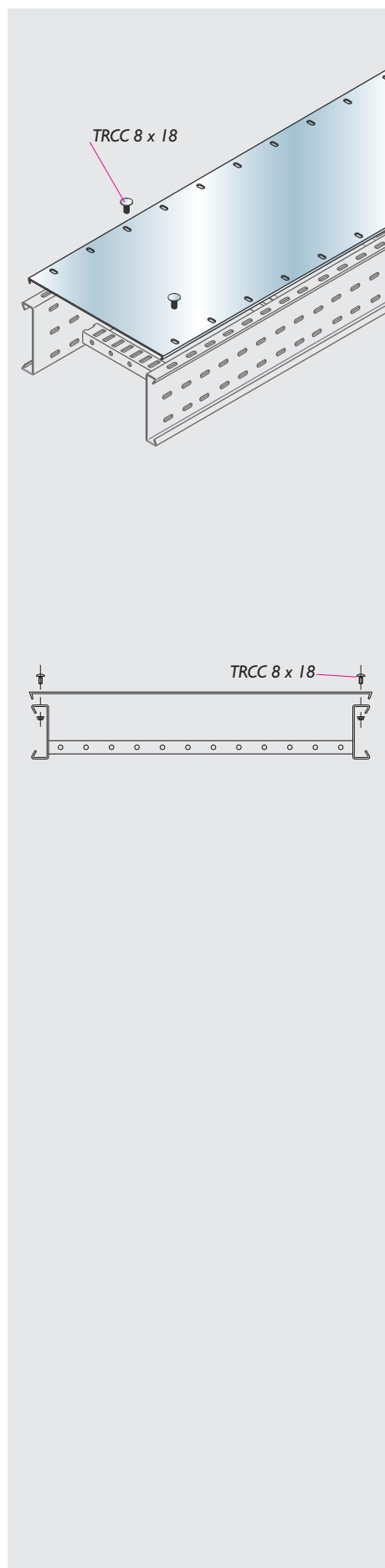


SC : CABLE OUTLET





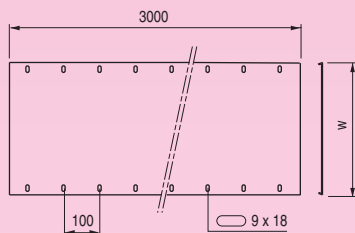
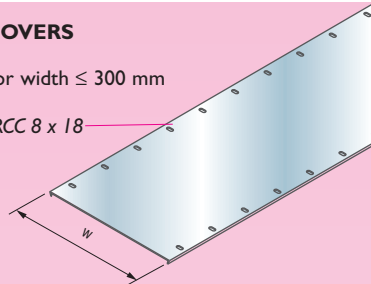
ATLAS COVERS



COVERS

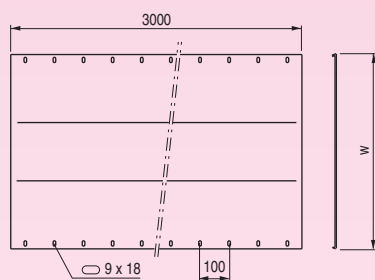
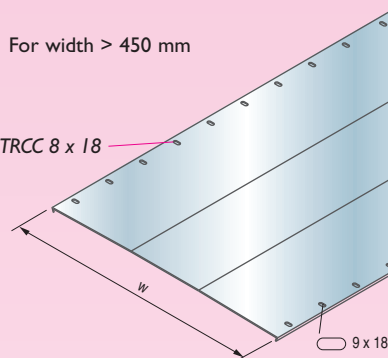
For width ≤ 300 mm

TRCC 8 x 18



For width > 450 mm

TRCC 8 x 18



586NNN

HDG

COVERS

w mm	Kg / m	Code
150	2,70	586024
300	4,45	586030
450	6,20	586040
600	7,96	586041
750	9,70	586042
900	11,47	586043

589NNN
316 L

590NNN
AG3