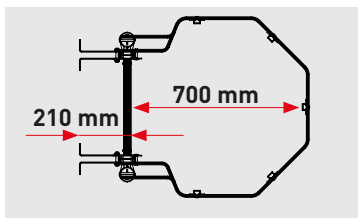




- Aluminium vertical ladder equipped with rear safety cage to prevent fallings down.
- Ladders and safety cages are firmly connected through a system of double joint hoops. No welding are used.
- **SECURITY SYSTEM** ladders are particularly suitable to access to fixed structures such as industrial buildings, plants, silos and machineries and in general wherever the periodic inspection is required.
- Vertical safety cage ladder can be composed by only one single-section (up to 10 m. height) or by multi-sections. If a single-section exceeds 10,00 m. height, a change of flight will be necessary every 6 m. complying with the European Norm 14122-4.
- **SECURITY SYSTEM** is organized in modules in order to simplify the handling of the single components in the warehouse. Accessories are also available to customize the ladder according to the user's needs.
- The structure can be completely dismantled for transport and storage.

TECHNICAL FEATURES

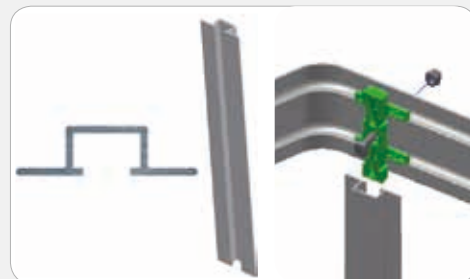
- Aluminium ladder: 6 different sizes are available.
- External width: 450 mm.
- Stile size: 25x65 mm.
- 30x30 mm non-slip rungs.
- Rung spacing: 300 mm .
- Safety cage made up by double ribbed aluminium hoops.
- Directly fastening into the wall or through expansion screws.
- Rapid and intuitive fastening through nylon joints and square head screws.



EUROPEAN NORM



EN 14122-4



Vertical ribbed profile for safety cage



Fastening bracket: ladder and safety cage connection



150
kg
MAX



EN14122-4
EUROPEAN NORM



The vertical safety cage ladder assembly must be done by specialized staff. Our responsibility only covers material supply



max 3,00 m



min. 2,30 m

THE SYSTEM



MAIN COMPONENTS: CAGES

LADDER



Without wall brackets



SAFETY CAGE (including fasteners)



Fastening bracket:
Ladder and safety
cage connection



Code	rungs number	(mm)	(kg)	(m ³)	Ean
SG 180	6	1795	3,2	0,052	8028406105800
SG 210	7	2095	3,8	0,062	8028406105817
SG 240	8	2395	4,2	0,070	8028406105824
SG 270	9	2695	4,6	0,079	8028406105831
SG 300	10	2995	5,2	0,088	8028406105848
SG 330	11	3295	5,8	0,097	8028406105855

Wall brackets every 2 m

EN 14122-4 EUROPEAN NORM EU	GA 388/EN	-	388	6,1	0,047	8028406106203
	GA 688/EN	-	688	7,2	0,080	8028406106210
	GA 1726/EN	-	1726	13,0	0,210	8028406106227
	GA 2026/EN	-	2026	14,2	0,250	8028406106234
	GA 2326/EN	-	2326	15,2	0,280	8028406106241
	GA 2626/EN	-	2626	16,2	0,320	8028406106258
	GA 2926/EN	-	2926	17,2	0,350	8028406106265
	GA 3226/EN	-	3226	20,4	0,380	8028406106272

LADDER + CAGE



Without wall brackets



EN 14122-4 EUROPEAN NORM EU	SGA 180/EN	6	1795	16,2	0,270	8028406106296
	SGA 210/EN	7	2095	18,0	0,320	8028406106319
	SGA 240/EN	8	2395	19,4	0,350	8028406106333
	SGA 270/EN	9	2695	20,8	0,400	8028406106357
	SGA 300/EN	10	2995	22,4	0,440	8028406106371
	SGA330/EN	11	3295	26,2	0,480	8028406106395

Wall brackets every 2 m

MAIN COMPONENTS: EXIT MODULES

SIMPLE EXIT MODULE



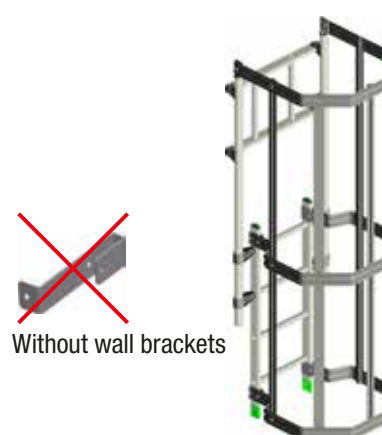
Code	kg	m³
GA-SB714/EN	21,5	0,36

EXIT MODULE WITH RAIL



Code	kg	m³
GA-SB714P/EN	24	0,5

EXIT MODULE WITH GATE



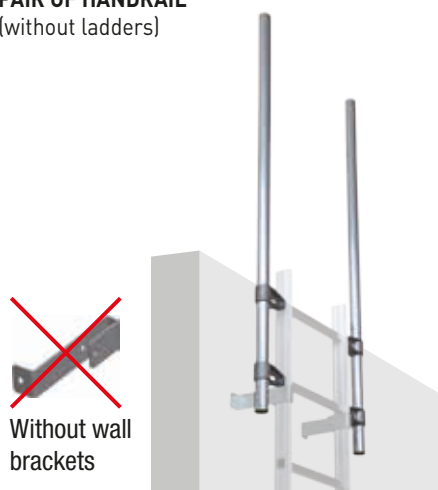
Code	kg	m³
GA-SB714C/EN	22,5	0,36

EXIT MODULE WITH RAIL AND GATE



Code	kg	m³
GA-SB714PC/EN	25	0,5

PAIR OF HANDRAIL (without ladders)



Code	kg	m³
GA-SB714MS	3,7	0,02

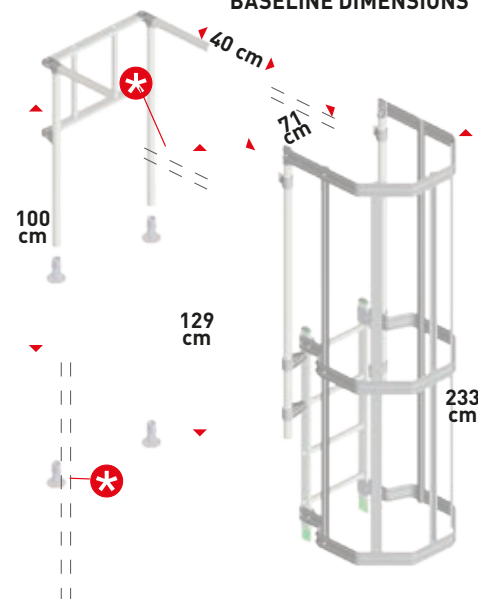
CHANGE OF FLIGHT MODULE WITH LADDERS



Code	kg	m³
GA-MSD/EN	39	0,60



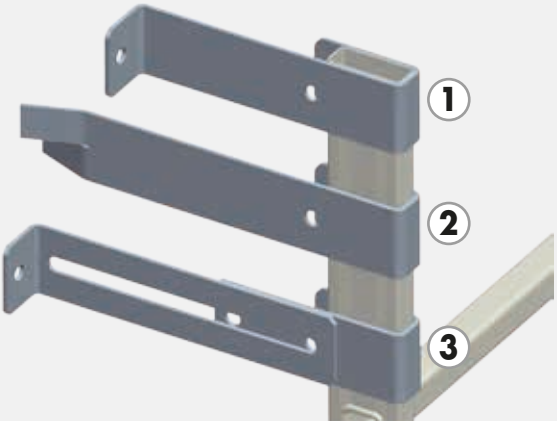
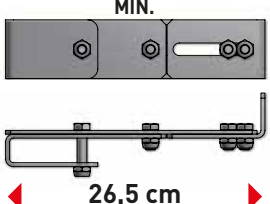
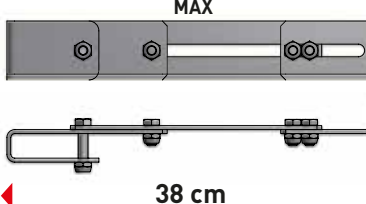
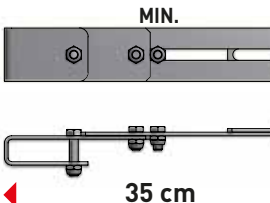
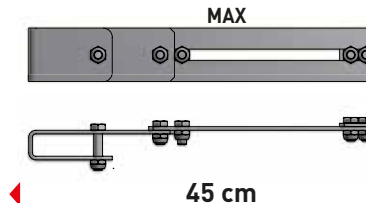
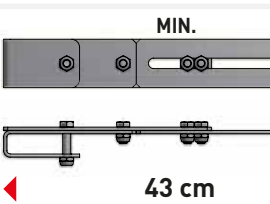
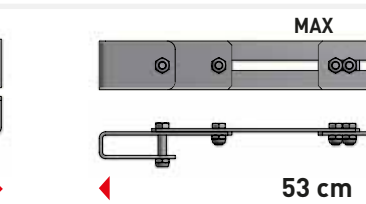
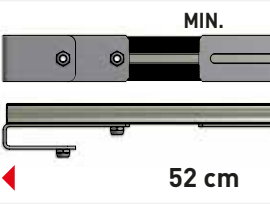
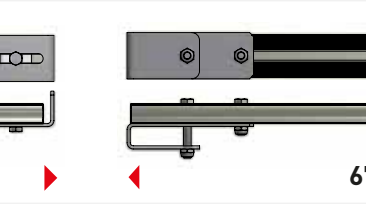
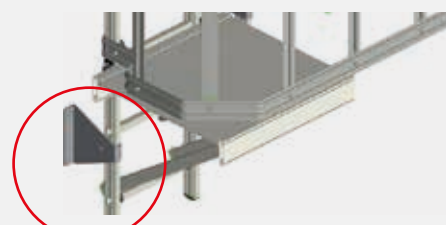
BASELINE DIMENSIONS



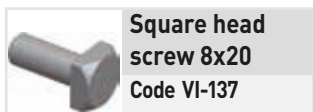
Customized designs are available on demand

MAIN COMPONENTS: WALL BRACKETS

Vertical space between wall brackets should not be more than 2,00 m.

Wall bracket 1 FE-165	Fix: Length 22,8 cm Distance between wall and rung: 18 cm Fastening into the wall through expansion screws (not included)		WALL BRACKETS <u>Including screws, without expansion screws</u> 
Wall bracket 2 FE-166	Fix: Length 32,5 cm Distance between wall and rung: 22 cm Cemented into the wall		
Wall bracket 3 STA165/315	Adjustable : Length min 16,5 cm, max 30 cm Fastening into the wall through expansion screws (not included)		
Wall bracket 4 STA265/380	Adjustable : Length min 26,5 cm, max 38 cm Fastening into the wall through expansion screws (not included)		
Wall bracket 5 STA350/450	Adjustable : Length min 35 cm, max 45 cm Fastening into the wall through expansion screws (not included)		
Wall bracket 6 STA430/530	Adjustable : Length min 43 cm, max 53 cm Fastening into the wall through expansion screws (not included)		
Wall bracket 7 STA520/670	Adjustable : Length min 52 cm, max 67 cm Fastening into the wall through expansion screws (not included)		
Wall bracket 8 FE-170	Fix: To use under the rest platform. Fastening into the wall through expansion screws (not included)		

OTHER COMPONENTS / SPARE PARTS



Standard cage hoop



Exit hoop



Double hoop for rest platform



EXIT GATE HINGE

Code FU-124



EXIT HOOP SUPPORT

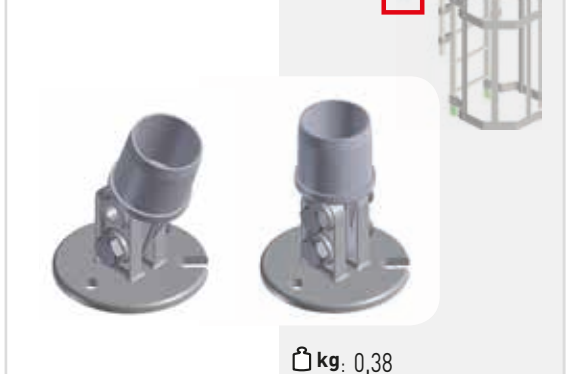
Code FU-127



FLANGE for tube ø 50

INCLINED ANCHORING
IS ALLOWED

Code GA-FLT



EXIT RAIL CONNECTOR

Code FU-126



EXIT VERTICAL RAIL SUPPORT

Code FU-128



FLANGE for tube 25X65

INCLINED ANCHORING
IS ALLOWED

Code GA-FLR

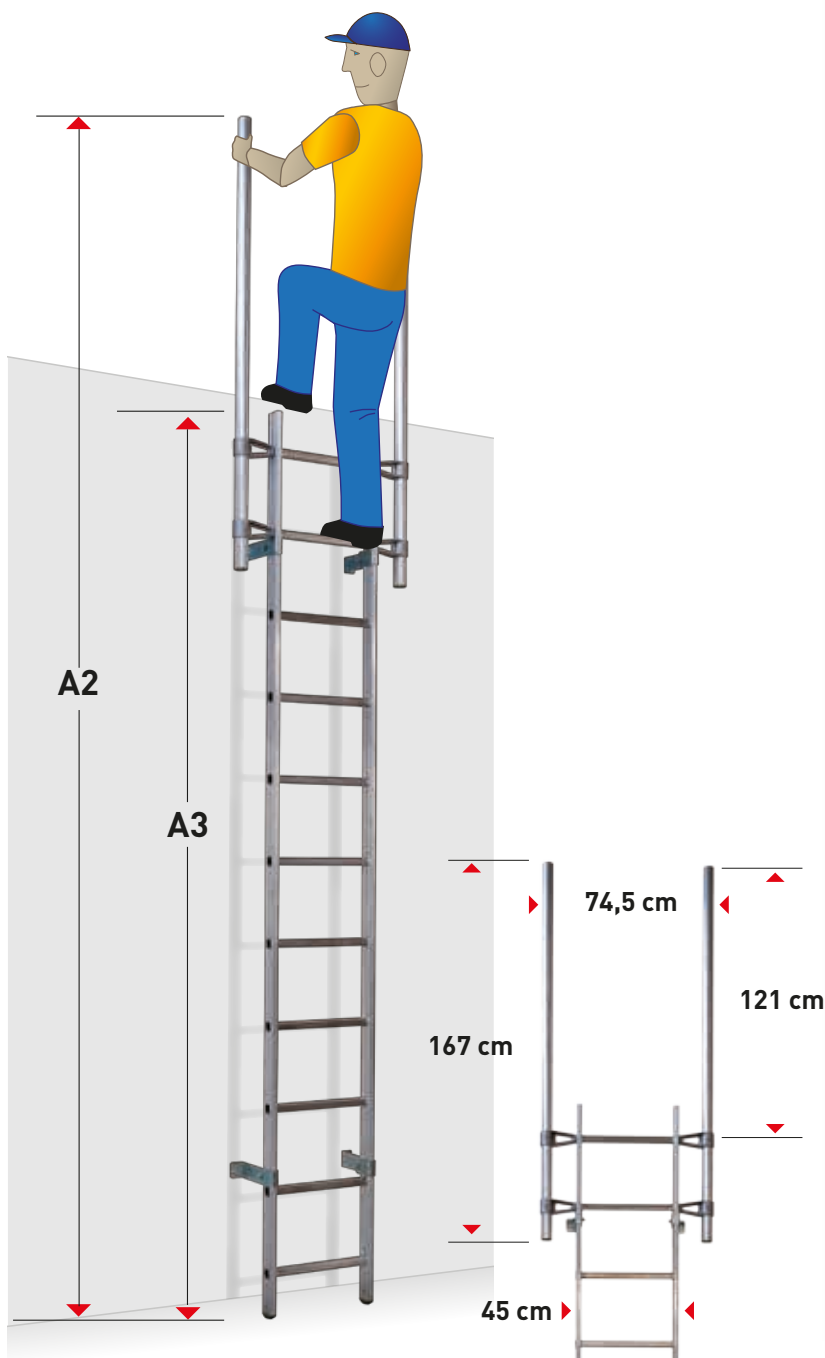


Cage vertical profile



Code	(mm)	(kg)	Ean
GA-V386	386	0,260	8028406105985
GA-V686	686	0,460	8028406105992
GA-V1724	1724	1.140	8028406106005
GA-V2024	2024	1,340	8028406106012
GA-V2324	2324	1,530	8028406106029
GA-V2624	2624	1,730	8028406106036
GA-V2924	2924	1,930	8028406106043
GA-V3224	3224	2,120	8028406106050

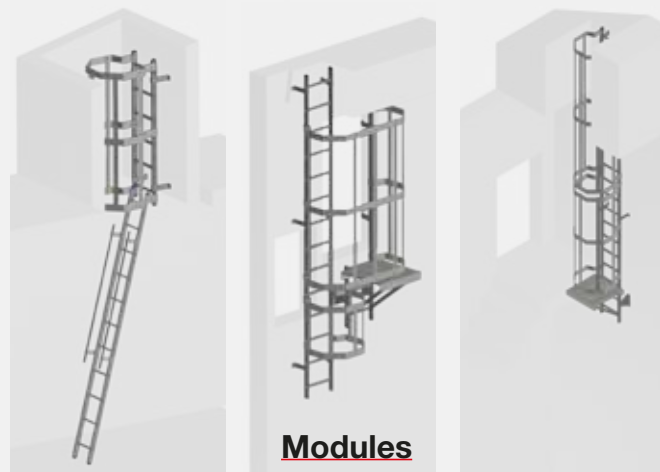
LEANING LADDERS WITHOUT CAGE



SPECIAL PROJECTS



Special exit modules



Modules



Walkings and protections

LANDING HEIGHT			cm	180	210	240	270	300	330	360	390	420	450	480
HEIGHT A2			cm	286	316	346	376	406	436	466	496	526	556	586
HEIGHT A3			cm	180	210	240	270	300	330	360	390	420	450	480
Code	DESCRIPTION	KG	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES
SG180	Ladder m 1,80 - 6 rungs	3,2	1							2	1			
SG210	Ladder m 2,10 - 7 rungs	3,8		1							1	2	1	
SG240	Ladder m 2,40 - 8 rungs	4,2			1								1	2
SG270	Ladder m 2,70 - 9 rungs	4,6				1								
SG300	Ladder m 3,00 - 10 rungs	5,2						1						
GA-SB714MS	Handrail	3,7	1	1	1	1	1	1	1	1	1	1	1	1
Wall brackets every 2,00 m.			4	4	4	4	4	4	4	6	6	6	6	6
CODE			SGS180	SGS210	SGS240	SGS270	SGS300	SGS330	SGS360	SGS390	SGS420	SGS450	SGS480	

MAIN COMPONENTS

ANTI-INTRUSION GATE

(aluminium and stainless steel + lock holder)



Code	kg	m³
GA-INTRUSIONE	3,6	0,024

WORKING PLATFORM WITH TRAPDOOR

(aluminium and stainless steel)



Code	kg	m³
GA-BOTOLA	1,8	0,012

LANDING GATE



Code	kg	m³
GA-CANC714	2,00	0,01

ACCESS TELESCOPIC LADDER WITH HOOKS (Briko 5+5)



Code	kg	m³
BK4/2G	7,00	0,08

ACCESS FIX LADDER WITH HOOKS h 2,76 m (Stilo)



Code	kg	m³	Pieces
SL-09/G	3,4	0,047	1

Wall mounted theft security device (Without lock)



SIMPLE

Code BLC/S

kg 0,50

EAN: 8028406112587

DOUBLE

Code BLC/D

kg 0,80

EAN: 8028406112594

LANDING HEIGHT		from m to m	3,30 3,60	3,60 3,90	3,90 4,20	4,20 4,50	4,50 4,80	4,80 5,10	5,10 5,40	5,40 5,70	5,70 6,00	6,00 6,30	6,30 6,60	6,60 6,90	
CODE	DESCRIPTION	KG	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	
SG180	Ladder m.1.80 width 450 - 6 rungs	3,2					2	1	1	1					
SG210	Ladder m.2.10 width 450-7 rungs	3,8						1			1				
SG240	Ladder m.2.40 width 450 -8 rungs	4,2	1						1			1			
SG270	Ladder m.2.70 width 450 -9 rungs	4,6		1						1	1	1	2	1	
SG300	Ladder m.3.00 width 450 -10 rungs	5,2			1									1	
SG330	Ladder m.3.30 width 450 -11 rungs	5,8				1									
GA388/EN	Safety cage mm 388	6,1			1		1								
GA688/EN	Safety cage mm 688	7,2				1	1	2							
GA1726/EN	Safety cage mm 1726	13,0							1	1					
GA2026/EN	Safety cage mm 2026	14,2									1				
GA2326/EN	Safety cage mm 2326	15,2										1			
GA2626/EN	Safety cage mm 2626	16,2											1		
GA2926/EN	Safety cage mm 2926	17,2												1	
GA3226/EN	Safety cage mm 3226	20,4													
GA-SB714/EN	Exit module width 714	21,5	1	1	1	1	1	1	1	1	1	1	1	1	
GA-MSD/EN	Change of flight module with rest platform	39,0													
FE-165	Standard fastening bracket for ladder	0,72	6	6	6	6	6	8	8	8	8	8	8	8	
PL-300	Coated steel connector 25x65 + screws	0,26	2	2	2	2	4	4	4	4	4	4	4	4	
COMPOSITION CODE			S330EN	S360EN	S390EN	S420EN	S450EN	S480EN	S510EN	S540EN	S570EN	S600EN	S630EN	S660EN	

LANDING HEIGHT		from m to m	11,70 12,00	12,00 12,30	12,30 12,60	12,60 12,90	12,90 13,20	13,20 13,50	13,50 13,80	13,80 14,10	14,10 14,40	14,40 14,70	14,70 15,00	15,00 15,30	
CODE	DESCRIPTION	KG	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	
SG180	Ladder m.1.80 width 450 - 6 rungs	3,2		2	2	2	4	3	3	3	2	2	2	2	
SG210	Ladder m.2.10 width 450 - 7 rungs	3,8						1			1				
SG240	Ladder m.2.40 width 450 - 8 rungs	4,2							1			1			
SG270	Ladder m.2.70 width 450 - 9 rungs	4,6	2	1						1	1	1	2	1	
SG300	Ladder m.3.00 width 450 -10 rungs	5,2	1		1									1	
SG330	Ladder m.3.30 width 450 - 11 rungs	5,8				1									
GA388/EN	Safety cage mm 388	6,1		1	1	1	1	1							
GA688/EN	Safety cage mm 688	7,2		1	1	1	1	1							
GA1726/EN	Safety cage mm 1726	13,0					2	2	3	3	2	2	2	2	
GA2026/EN	Safety cage mm 2026	14,2									1				
GA2326/EN	Safety cage mm 2326	15,2										1			
GA2626/EN	Safety cage mm 2626	16,2	1	1									1		
GA2926/EN	Safety cage mm 2926	17,2	1		1									1	
GA3226/EN	Safety cage mm 3226	20,4				1									
GA-SB714/EN	Exit module width 714	21,5	1	1	1	1	1	1	1	1	1	1	1	1	
GA-MSD/EN	Change of flight module with rest platform	39,0	1	2	2	2	2	2	2	2	2	2	2	2	
FE-165	Standard fastening bracket for ladder	0,72	10	8	8	8	8	8	8	8	10	10	10	10	
PL-300	Coated steel connector 25x65 + screws	0,26	6	6	6	6	8	8	8	8	8	8	8	8	
COMPOSITION CODE			S1170EN	S1200EN	S1230EN	S1260EN	S1290EN	S1320EN	S1350EN	S1380EN	S1410EN	S1440EN	S1470EN	S1500EN	

	6,90 7,20	7,20 7,50	7,50 7,80	7,80 8,10	8,10 8,40	8,40 8,70	8,70 9,00	9,00 9,30	9,30 9,60	9,60 9,90	9,90 10,20	10,20 10,50	10,50 10,80	10,80 11,10	11,10 11,40	11,40 11,70
	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES
		2	1								1	1	1	1		
			1	2	1						1				1	
					1	2	1					1				1
	1	1	1	1	1	1	2	3	2	1	1	1	2	1	1	1
									1	2				1	1	1
	1															
		2	1								1	1	1	1		
			1	2	1						1				1	
					1	2	1					1				1
							1	2	1				1			
									1	2				1	1	1
	1															
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
											1	1	1	1	1	1
	10	10	10	10	10	10	10	12	12	12	10	10	10	10	10	10
	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	S690EN	S720EN	S750EN	S780EN	S810EN	S840EN	S870EN	S900EN	S930EN	S960EN	S990EN	S1020EN	S1050EN	S1080EN	S1110EN	S1140EN

	15,30 15,60	15,60 15,90	15,90 16,20	16,20 16,50	16,50 16,80	16,80 17,10	17,10 17,40	17,40 17,70	17,70 18,00	18,00 18,30	18,30 18,60	18,60 18,90	18,90 19,20	19,20 19,50	19,50 19,80	19,80 20,10
	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES	PIECES
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				1						2	1					
	1				1	1	1	1			1	2	1			
	2	3	2	2	2	1	1	1	2	1	1	1	2	3	2	1
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							1									
	1	1	1					2	2							
				1						2	1					
	1				1	1	1	1			1	2	1			
	1	2	1	1	1				1				1	2	1	
			1	1	1	2	1	1	1	1	1	1	1	1	2	3
							1									
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	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	8	8	8	8	8	8	8	10	10	8	8	8	8	8	8	8
	S1530EN	S1560EN	S1590EN	S1620EN	S1650EN	S1680EN	S1710EN	S1740EN	S1770EN	S1800EN	S1830EN	S1860EN	S1890EN	S1920EN	S1950EN	S1980EN

Project service *made in* **FACAL**

