

TECHNOLOGICAL INNOVATION

GARAGE DOORS AND PATENTED LOCKING SYSTEMS







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move to space

Overlap mission and corporate value

Overlap manufacturing operation was established on December 2013 as part of the Delta SpA group of companies. Delta Spa was created in **1972** as a manufacturer of rubber and polyurethane components and is now a world leader thanks to its specific knowledge and the technologies developed in this industry.

Specifacally Delta Overlap **mission** is the development of the Overlap technology for the garage door residential market and extend the use of this patented technology to other areas like the industrial and the technical domain.

The client in the first place

Overlap is already a leading manufacture and industry reference within the high end residential garage door market with a dedicated production facillity and highly skilled staff.

Our team is an added value.





PA JERSE

Overlap in an innovative concept that does not require the ceiling tracks and reduces the space occupied inside the garage. The operator is housed in the upper beam of the door frame.

Overlap functioning

This solution operates the two sections of the door without the need of the tracks inside the garage where the first section acts as the track and rail for the second section that follows beneath.

The garage doors with Overlap patented technology

8









Traditional sectional garage door

1 Ceiling rails

When the traditional sectional garage door opens it moves parallel to the ceiling along the tracks which are fixed on the ceiling which then remain in place even when the door is closed.

2 Operator

The motor is also fixed to the ceiling and takes considerable space inside the room.

3 Spring operated

The traditional garage door opens and shuts with the help of metal springs which are sized for specific open/close cycles, are under mechanical stress and undergo wear and tear with the time.

4 Appearance

The presence of many individual sectional panels require various hinges and hardware on the internal side of the garage and do not enhance the appearance on the external side too.

Overlap door

1 Trackless

This is the main feature that makes Overlap a unique selling proposition. Thanks to its self-standing frame and the two stackable sections, Overlap does not require the unsightly ceiling rails.

2 Operator positioned inside the frame

The motor is housed inside the upper beam of the door frame, does not need sliding structures and does not reduce the net passage (height) of the garage door.

3 Counterweight system

The mechanical movement of the panels is provided by double counterweighs on each side of the frame and as a consequence parts exposed to wear and tear are reduced to a minimum.

4 Appearance

This innovation makes a clean and orderly garage space both inside and outside and offer bespoke solutions in sizes and finishes.

Full Glass Transparent top panel door and satin bottom panel 55

Ser.



Glass Panel Transparent Glass

DE SIGN -APPEA RANCE

B-SIDE More space for your

Engineered for functionality, appearance and precision

The attention to details, the manufacturing technology and the wide range of finishes and claddings result in an external appearance that fit easily in every type of house with an elegant and peculiar look. The charm of an Overlap door is unique and peerless.

Pietravera Galatea COM PLANA RITY





The attention to details is maintained both on the **inside** as well as **outside**. The trackless construction, the hidden operator, the white or anthracite frame of the internal finishes result in a pleasant and elegant solution. The internal side of the panels are spray painted white and on request the panels can be **customised** with other colours.

The space that creates a fine view

The innovative Overlap system does not need tracks on the ceiling and halves the backroom needed when the door is open. Overlap is **space efficient** both inside the garage and the reduction of the net passage both in the height and the width is reduced at a minimum. When the door is open the reduction of the clearance is only 200 mm. Overlap is the ideal choice in presence of an inclined or a vaulted ceiling, ceiling with beams showing and side walls placed at an angle or curved.



Energy Efficient

The **electronically controlled** Overlap motorization drives one mechanical cluth linked to the counterweights. This design is **energy efficient**.

Overlap cuts out well **wind and water**, offer sound insulation when closed and quiet and smooth operation when opening and closing.

Reduced energy consumption and thermal insulation







Thermal transmittance up to U = 1,30 W/m² K* (New Plana 75)

Thermal transmittance up to = 1,50 W/m² K* (Classic, New Plana 40)

*value obtained for a close door with behind wall installation.



Safety and technology

Theft proof (door safety during operation)

• App for los - Android

• Certified according to EN 1627 Class 2 break-in resistance Overlap boasts **high safety standards**. The locking system offer **theft-proof features** and the Overlap motor can be linked to any **alarm** or **electronic**, automatic management system in the house. The electric sensors in the motor prevent injuries when closing and the photocells inside and out offer **additional safely**.

The setting of the motor is carried out via Bluetooth app by **authoryzed service engineers**.

Overlap has passed the **testing** according to EN 1627 and has achieved class 2 resistance **against attempts of forcing the lock**. The continuos Overlap product development can now offer a garage door which is very difficult to break open with nonmotorized tools. The certification is applicable to all models and sizes with panels in double sheet with polyuretgane foam.

FOR THOSE WHO LOVE PURE ITALIAN STYLE

mission possible

Overlap makes it possible numerous customized solutions to provide you with the garage of your dreams. The Overlap system is suitable also for nongarage environments when a technical access is needed and at the same time the appearance is important or there are **space constraints**.

Overlap listens to your ideas and gives shape to your project

Overlap is made to measure and **customized** each time, with different materials, claddings and colours.

solutions



PC hC

Overlap Plana offers beautiful garage doors solutions with unique features to get everything tidied up. Overlap Plana is available with finishes:

1. WOOD 2. COLOR **3. MATERIAL 4. FULL GLASS 5. PIETRAVERA**

Wood 770 Yale Oak





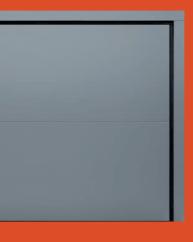






Overlap Full Glass, is made with safety glass and allow the day light to brighten your garage. Overlap Full Glass is a garage door with clear glass, satin glass and tinted glass suitable when you want natural light for your garage, working space or to create a showroom.





The finish **Color** for a modern and personal look with **different** colours available.





The finish **Wood** enhances the warmth of the wood with classic solutions and refined veins.





Mod. Plana Material 0794 Patina Bronze The finish **Material** creates an innovative solutions with a marked aesthetic impact referring to the **burning volcanic rocks**, the chromatic variations of the Corten and the other available finishes.



Mod. Plana Pietravera Themis

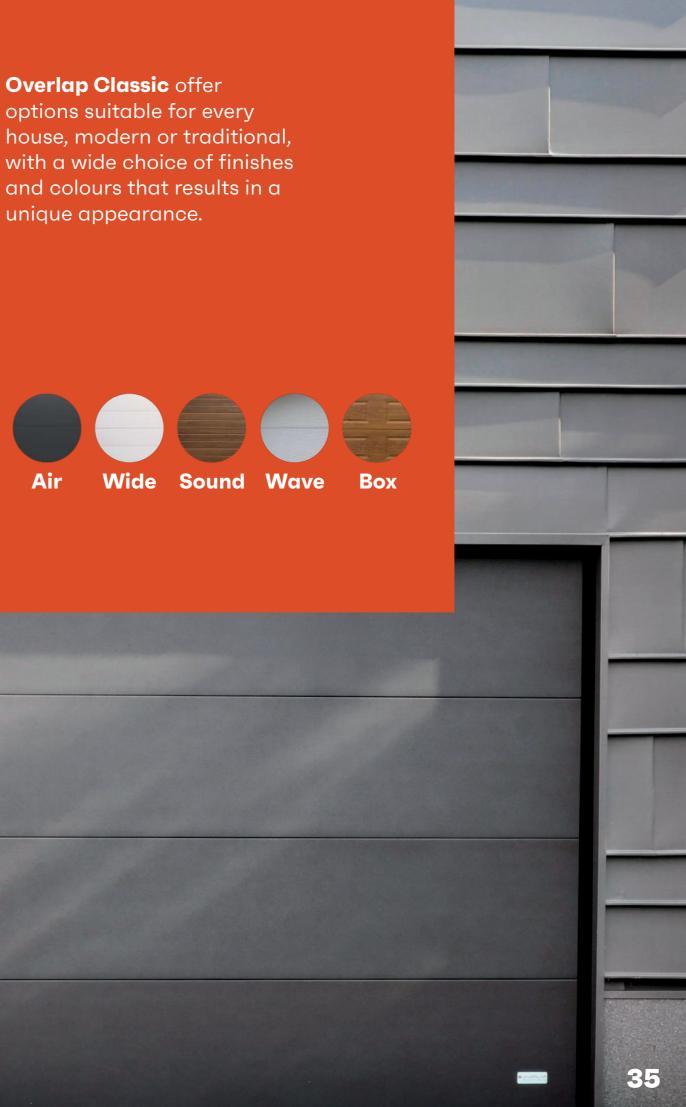




The **Pietravera** suface offers a pleasant aesthetic effect, thanks to its natural beauty.



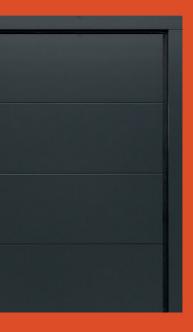




The combination of panels without grooves gives this door a **refined** and **minimal** effect.

Mod. Air

Slightgrain Sample colour

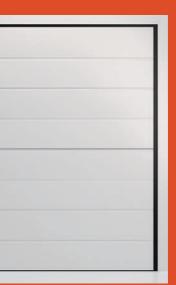




Mod. Wide 9006 White Aluminium



In the **Wide** model the thickness of the groove accentuates the design giving it a **decisive** character.





Mod. Sound Woodstyle Medium



Sound

The creation of more grooves on the same panel enhances the design.

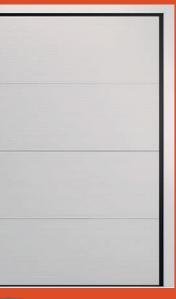






The particular processing of the panels accentuates the design giving it a **strong personality**.

Mod. Wav Smooth RAL 9006







contexts.



Overbas Plana with wicket door Color 7016 Anthracite Grey



Overbas

The Overlap up and over garage door.

All the advantages **Overlap**

Conceal ed operator

2 Trackless solution

3 4 Counterweights Approved movement

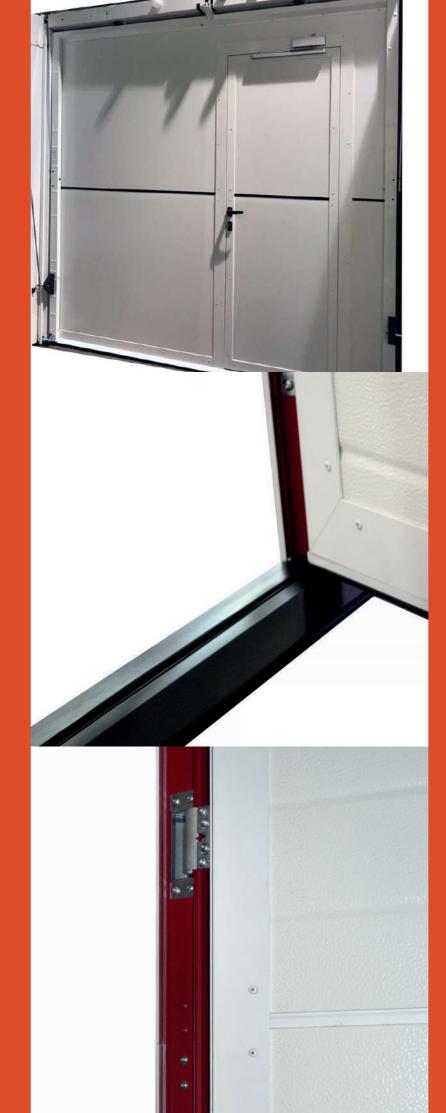
for break-in resistance Class 2*

Feasible in all the **Overlap aesthetic Plana** and Classic Range

*The security feature is not available with wicket door.

Overbas Classic

with wicket door





Overbas Plana Material with wicket door

Internal view

Threshold lowered

*wicked door.



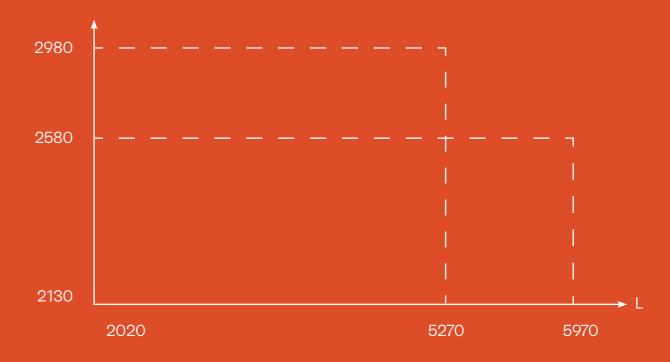


Between wall installation

This installation type is suited in case the wall opening does not allow fixing behind the opening. It is especially common in the case of a door replacement. Thanks to the self-supporting frame, Overlap doors with outer frame dimensions until can be directly fixed to sidewalls and over-wall with no other supporting component (e.g. Tubular, etc.) which is otherwise necessary for bigger dimension doors.

Sizes

steps of 50mm or 10mm (optional). Overbas in the non overflowing version is feasible for maximum size 3970mm to 2680mm. Different sizes are possible upon request.



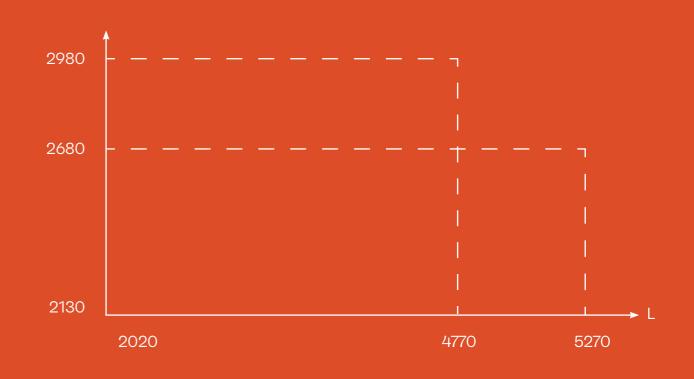
Installation types: Overlap - Overbas

Behind wall installation

This installation is performed when the wall opening presents enough side-room and head-room. In this case, the door frame is anchored behind the wall and it is possible to maximize door clearance. This solution should be preferred as it allows a better thermal insulation of the garage.







Overbas size table: outer frame size (mm)

Overlap and Overbas are always made to measure, both in width and height with

<section-header><text>



Plana Models Surfaces





STEEL

Color



LAMINATE HPL

Wood



Material



VETRO

Full Glass



Transparent Glass

White Satin Glass

PIETRAVERA







Galatea Eos Demetra

Gea





Hecate Hebe Astrea

Callisto

54

Plana Models







Benerice



Themis



Sibilla



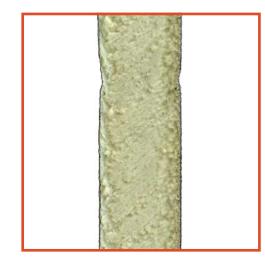
Hera



Veined White

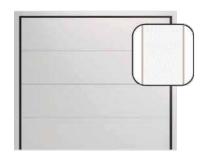


Classic Models

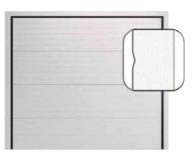


Sur faces

CISSIC Nodels







AIR

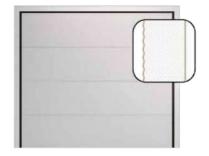
Woodgrain Slightgrain Woodstyle Woodstyle Plus

WIDE Woodgrain Slightgrain

Woodstyle Woodstyle Plus SOUND

Woodgrain Slightgrain Woodstyle Woodstyle Plus





WAVE

Smooth



Classic Models







Woodgrain Woodstyle





Superfici



Woodgrain

An embossed surface that reflects the textures of wood grain, a classic and external finish.



Smooth

A smooth and bright surface that intensify color and door style.



	•		•	
5	IC	htg	rai	n
	- 0			

Woodstyle

A smooth surface with a little texture that gives to the color a modern style.

Smooth - Slightgrain - Woodgrain

Overlap and Overbas are made in all RAL colors or sample colors (optional)



9016 Traffic White 6009 Fir Green

Woodstyle



Light

Medium



color and grain of timber.

Woodstyle Plus A prepainted smooth surface which reflects the color and grain of timber in the external and internal of panel.

A prepainted smooth surface which reflcts the

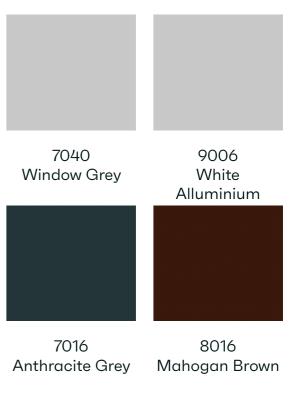
Woodstyle Plus



Light

Medium

Classic Models





Medium-dark



nner Sicle

- Problems











Fours channels remote controls



Fixed windows with aluminium frame and glass (transparent or frosted)

External handle in PlatinBronze or PlatinSilver







Two channels wired or wireless stainless-steel keypad

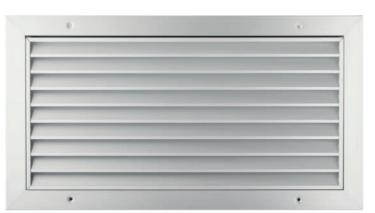


Plastic rectangular ventilation grill

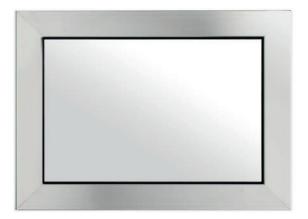
Flashing Light







GSM module for door opening and closing by remote



Fixed windows with polycarbonate pane with pastic frame

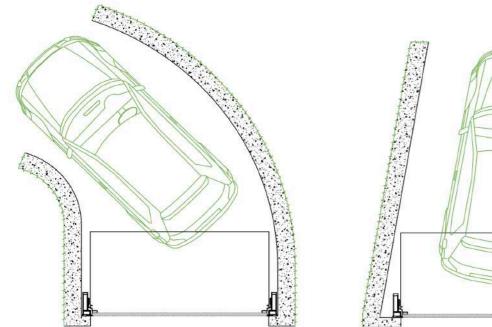


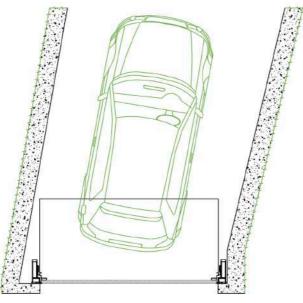
Rectangular alluminium ventilation grill

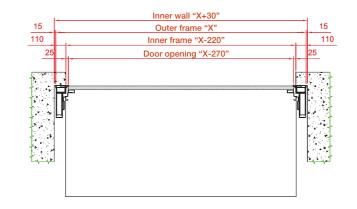
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Overlap Solutions



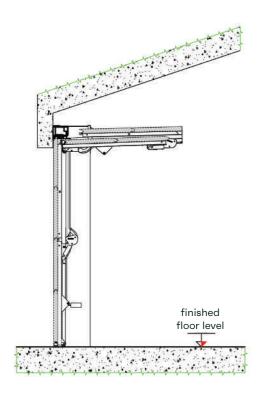




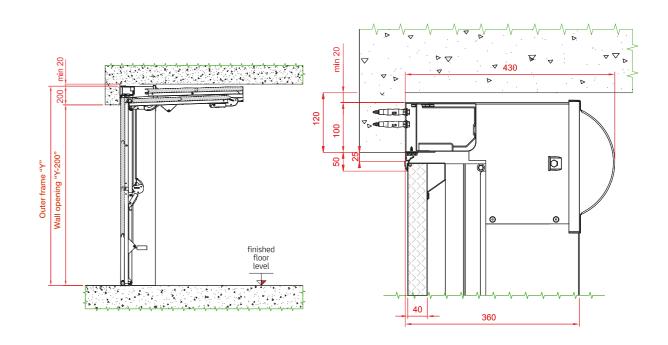
Garage with curved side walls

Garage with oblique side walls

Horizontal section - general



finished floor level . . • • •

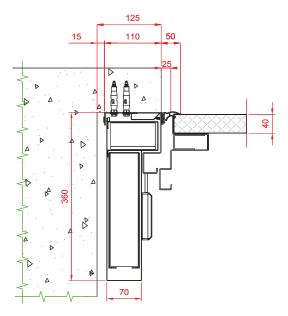


Garage with stanted ceiling

Garage with ceiling lowered by beam

Vertical section - general

Behind wall installation

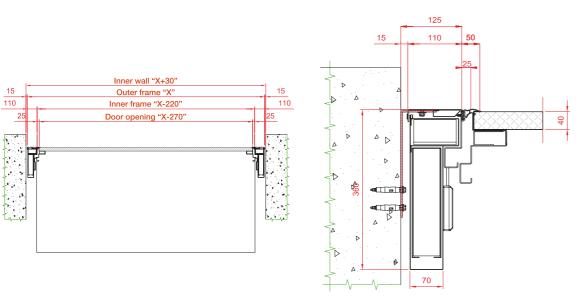


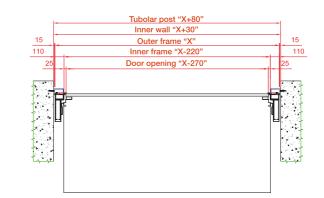
Horizontal section - detail

Vertical section - detail

Between wall installation, doors sectors A-B-C-D (without tubulares)

Between wall installation, doors sectors E-F-G-H-I (without tubulares)





Horizontal section - general

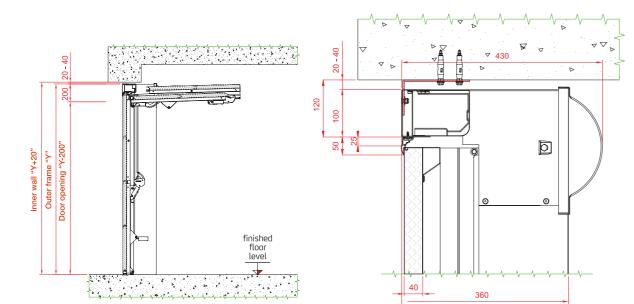
Horizontal section - general

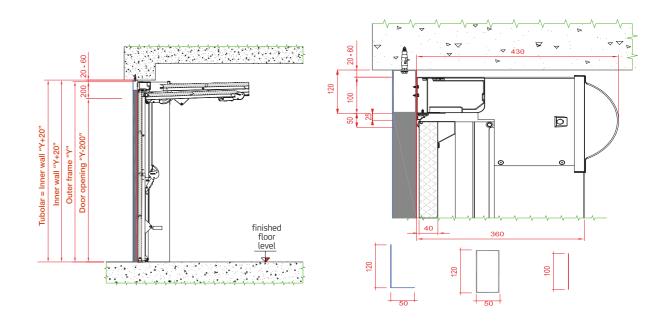
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Horizontal section - detail



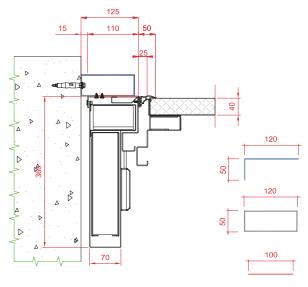




Vertical section - general

Vertical section - detail

Vertical section - general

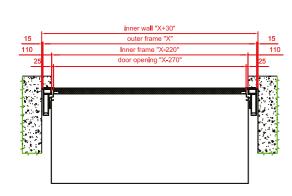


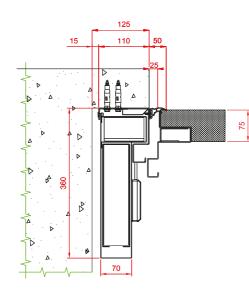
Horizontal section - detail

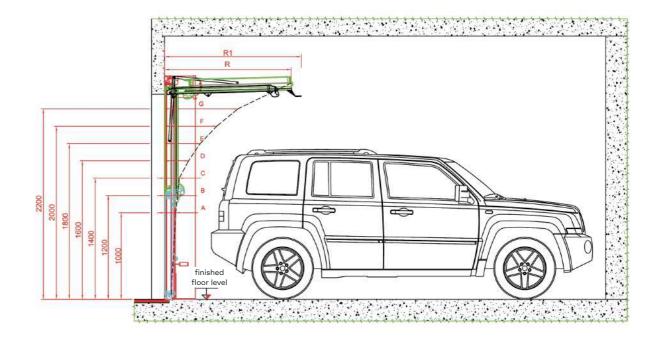
Vertical section - detail

New Plana 75 mm Details (By way of example, only behind wall the installation)

Encumbrances Overlap New Plana 75mm measures in mm

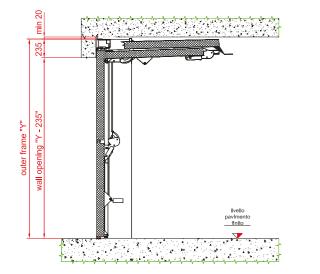


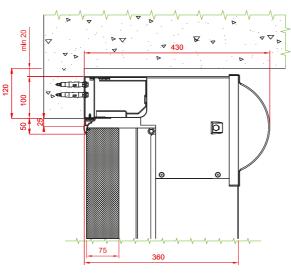




Horizontal section - general

Horizontal section - detail





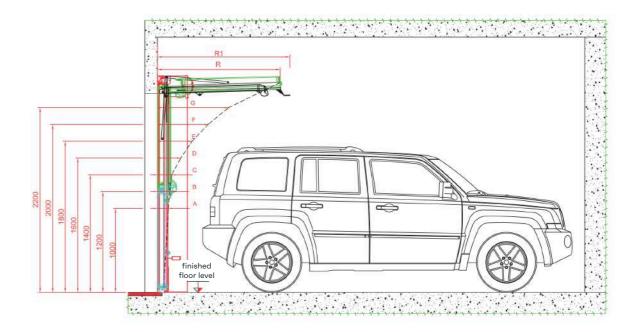
Over all	Door	А	в	с	D	E	F	G		
frame	opening	1000	1200	1400	1600	1800	2000	2000	R	R1
2130	1930	149	194	319	487	725	/	/	1270	1350
2180	1980	147	186	300	460	685	/	/	1320	1400
2230	2030	145	177	281	432	646	/	/	1370	1450
2280	2080	142	169	261	405	606	/	/	1420	1500
2330	2130	140	160	242	377	566	776	/	1470	1550
2380	2180	138	158	227	357	536	741	/	1520	1600
2430	2230	137	155	213	338	505	706	/	1570	1650
2480	2280	135	153	198	318	475	670	/	1620	1700
2530	2330	133	150	183	298	444	635	896	1670	1750
2580	2380	131	148	170	278	412	603	847	1495	1575
2630	2430	130	147	168	272	405	590	820	1545	1625
2680	2480	129	146	166	267	399	577	793	1595	1675
2730	2530	128	144	165	262	394	564	766	1645	1725
2780	2580	127	143	163	257	388	551	739	1695	1775
2830	2630	127	142	162	253	383	539	726	1745	1825
2880	2680	126	141	160	249	377	527	714	1795	1875
2930	2730	126	140	159	245	372	514	701	1845	1925
2980	2780	125	139	157	241	366	502	688	1895	1975

Vertical section - detail

Encumbrances Overlap Classic Box model measures in mm

Over all frame	Door opening	R	R1
2130	1930	1270	1350
2180	1980	1320	1400
2230	2030	1370	1450
2280	2080	1370	1450
2330	2130	1370	1450
2380	2180	1420	1500
2430	2230	1420	1500
2480	2280	1445	1525
2530	2330	1470	1550
2580	2380	1495	1575
2630	2430	1520	1600
2680	2480	1545	1625
2730	2530	1570	1650
2780	2580	1845	1925
2830	2630	1895	1975
2880	2680	1895	1975
2930	2730	1920	2000
2980	2780	1945	2025





Encumbrances Overlap New Plana 40mm measures in mm

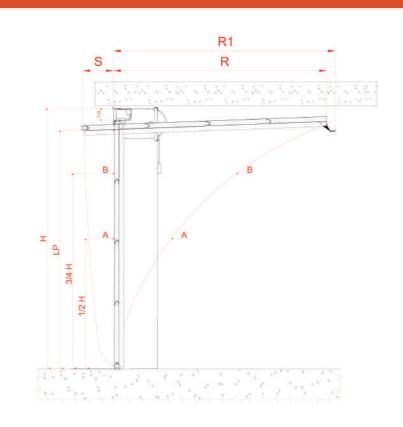
Over all frame	Door opening	R	R1
2130	1930	1270	1350
2180	1980	1320	1400
2230	2030	1370	1450
2280	2080	1370	1450
2330	2130	1370	1450
2380	2180	1420	1500
2430	2230	1420	1500
2480	2280	1445	1525
2530	2330	1470	1550
2580	2380	1495	1575
2630	2430	1520	1600
2680	2480	1545	1625
2730	2530	1570	1650
2780	2580	1595	1675
2830	2630	1620	1700
2880	2680	1645	1725
2930	2730	1670	1750
2980	2780	1695	1775

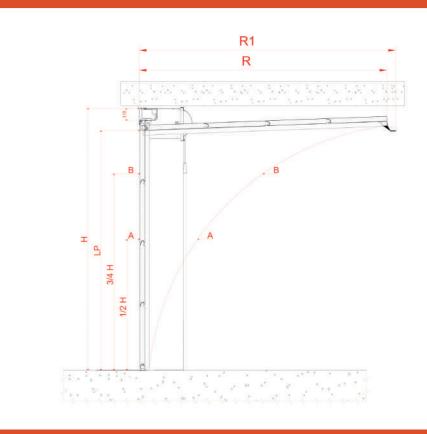
Outer	Door	А	в	С	D	E	F	G		
frame	opening	1000	1200	1400	1600	1800	2000	2000	R	R1
2130	1895	184	229	354	522	760	/	/	1270	1350
2180	1945	182	221	335	495	720	/	/	1320	1400
2230	1995	180	212	316	467	681	/	/	1370	1450
2280	2045	177	204	296	440	641	/	/	1370	1450
2330	2095	175	195	277	412	601	811	/	1370	1450
2380	2145	173	193	262	392	571	776	/	1420	1500
2430	2195	172	190	248	373	540	741	/	1420	1500
2480	2245	170	188	233	353	510	705	/	1445	1525
2530	2295	168	185	218	333	479	670	931	1470	1550
2580	2345	166	183	205	313	447	638	882	1495	1575
2630	2395	165	182	203	307	440	625	855	1520	1600
2680	2445	164	181	201	302	434	612	828	1545	1625
2730	2495	163	179	200	297	429	599	801	1570	1650
2780	2545	162	178	198	292	423	586	774	1595	1675
2830	2595	162	177	197	288	418	574	761	1620	1700
2880	2645	161	176	195	284	412	562	749	1645	1725
2930	2695	161	175	194	280	407	549	736	1670	1750
2980	2745	160	174	192	276	401	537	723	1695	1775

Encumbrances Overlap New Plana 75mm measures in mm

Overlap door clearance - Protruding measures in mm

Overlap door clearance - Not Protruding measures in mm





н	A-A	¹∕₂ H	B-B	³∕₄ H	S	R	R1	LP*
1980	360	990	860	1480	190	1660	1740	1735
2030	360	1015	860	1520	190	1710	1790	1785
2080	360	1040	860	1560	240	1710	1790	1830
2130	360	1065	860	1600	240	1760	1840	1880
2180	360	1090	860	1630	290	1760	1840	1925
2230	360	1115	860	1670	290	1810	1890	1975
2280	360	1140	860	1710	340	1810	1890	2020
2330	360	1165	860	1750	340	1860	1940	2070
2380	360	1190	860	1790	390	1860	1940	2115
2430	360	1215	860	1820	390	1910	1990	2165
2480	360	1240	860	1860	440	1910	1990	2210
2530	360	1265	860	1900	440	1960	2040	2260
2580	360	1290	860	1940	490	1960	2040	2305
2630	360	1315	860	1970	490	2010	2090	2355
2680	360	1340	860	2010	540	2010	2090	2400
2730	360	1365	860	2050	540	2060	2140	2450
2780	360	1390	910	2090	590	2060	2140	2495
2830	360	1415	910	2120	590	2110	2190	2545
2880	360	1440	910	2160	640	2110	2190	2590
2930	360	1465	910	2200	640	2160	2240	2640
2980	360	1490	910	2230	690	2160	2240	2695
			*with pedestric	in decreases do	or LP by 20mm			

н	A-A	¹∕₂ H	B-B	³ / ₄ H	R	R1	LP*
1980	560	990	1050	1480	1930	2010	1685
2030	570	1015	1075	1520	1980	2060	1735
2080	580	1040	1100	1560	2030	2110	1785
2130	590	1065	1125	1600	2080	2160	1835
2180	600	1090	1150	1630	2130	2210	1885
2230	610	1115	1175	1670	2180	2260	1935
2280	620	1140	1200	1710	2230	2310	1985
2330	630	1165	1225	1750	2280	2360	2035
2380	640	1190	1250	1790	2330	2410	2085
2430	650	1215	1275	1820	2380	2460	2135
2480	660	1240	1300	1860	2430	2510	2185
2530	670	1265	1325	1900	2480	2560	2235
2580	680	1290	1350	1940	2530	2610	2285
2630	690	1315	1375	1970	2580	2660	2335
2680	700	1340	1330	2010	2600	2710	2385
		*with	pedestrian decre	eases door LP by 2	0mm		

Standard features

• Frame made by 2mm thick metal sheet steel, lacquered white RAL 9016 or RAL 7016. (for doors to be installed in highly aggressive/corrosi-ve natural environments, we recommend using the AISI 316 stainless steel frame and aluminum panels)

· Lateral double counterweight system.

· Leaf made by sandwich panels 40mm or 75mm thick with polyurethane foam, horizontally oriented and mechanically joined.

· Bottom seal in EPDM rubber with draining profile Anti-entrapment perimeter seal in EPDM rubber, water and wind proof.

Technical specifications

· Trackless garage door with door opening in 2 overlapping sections (OVERLAP) - Un and Over garage door (OVERBAS)

 \cdot Thermal transmittance of the door U=1,30 W/m≥K* (NEW PLANA 75mm).

• Thermal transmittance of the door U=1,5 W/ m≥K* (CLASSIC. NEW PLANA 40mm).

*values obtained for a door without windows and grids with behind wall installation). Excellent performance in terms of acoustics insulation and air/water/wind resistance.

Motor OverMotion 2018 hidden inside the headbar.

Receivers and remote controls are not included (optionals). In case there is not a secondary access to the garage, it is compulsory to order a double handle.





DeltaOverlap SRL in order to improve the quality of its doors, reserves the right to make changes to its products at any time, to improve customers satisfaction. The images in this brochure are for the purposes of representing the product and are purely indicative and not binding.









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