

# POINT SUPPORTED GLAZING



## Structural Fittings

NOKTASAL DESTEKLİ  
CAM CEPHE SİSTEMLERİ  
UYGULAMA  
VE  
ÇÖZÜM SİSTEMLERİ



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## Architectural Trend of Transparency

There is almost no other material that enjoys such popularity among architects and engineers than glass.

Within just few decades, glass has developed from a simple window glazing element to a construction material which, with its enormous potential, has decisively influenced the further development of the building art. This fact is amply demonstrated by numerous spectacular structures in steel and glass and have either already been built in the last few years or are currently at the planning or construction stage.

The reason for this rapid evolution essentially lies in developments in glass technology which have led to improve mechanical strength values and better physical properties for building applications. Aside from glass being used in its primary guise as a containment and dividing material with the allure of

high transparency, it is also being applied with increasing degree as a load-bearing element.

Besides aesthetic aspects, more and more ecological aspects are being considered in today's building design. Multifunctional glazing systems have to follow high restrictions concerning weather control, light and heat transmission. In case of joining these requirements with the transparent building material glass, the demand for innovative developments provides new high-tech glass systems on economic levels.

Ostensibly, the goal is maximum transparency, which serves as a metaphor for ideas of openness and lightness, and reflects the feeling of being alive.

Consequently, glass enjoys a very high standing among the building materials utilised in modern and future architecture.

## Requirements from the Market

Transparent constructions in glass can be found in virtually every area of modern architecture. In order to achieve the primary goal of the designed concept, maximizing the transparency as well as minimizing the costs, suitable and effective glazing systems have to be provided.

The reduction of structural supports of glass in buildings to the absolute minimum has

became in focus of architects, engineers and, no less important, building owners and users in recent years.

Therefore, especially modern façade systems reflect this desire to achieve the maximum transparency by reducing the non-transparent bearing structure. Further dematerialization is possible when glass itself assumes bearing functions and is

even used in supporting structures.

Generally, the façade as the face of a building gains significance of construction technology that is beneficial to the environment and at the same time economical. It has to assume more and more technical functions in economical combination with visual functions and representative purposes.

RODAN  
Systems



MANET  
Construct



GlassFin  
System



V-Spider  
System



LOOP  
Systems





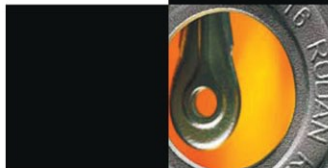
## RODAN - Systems

Modern transparency requires safe and complete solutions which ensure proper durabilities.

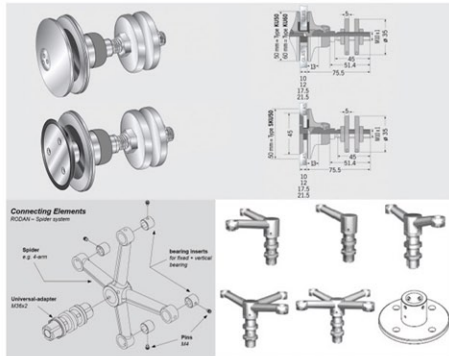
The RODAN Glass-Clamp-Mounting program contains an overall package of single-point fixing solutions for a wide range of glass applications. Rigid & articulated as well as tie-rod connectable & spider fittings over nearly unlimited

The standardized RODAN Spider system, made of high quality duplex stainless-steel, ensures an ultimate safety as well as an unbelievable performance for today's high transparent glass structures. Furthermore, fundamental design & engineering data guarantees efficient designs.

The RODAN Tie-Rod system fulfils each and every demand for transporting high tension forces within a light and transparent substructure. Mild steel as well as stainless-steel systems provide ultimate solutions based on safe standards



## System Details



RODAN  
Glass-Clamp-Mountings

KU-50-S / KU-70-S  
(plate-clamping head)

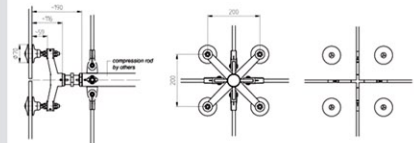
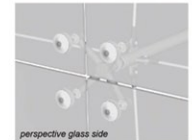
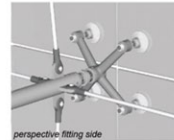
SKU-50-S / SKU-70S  
(countersunk head)

RODAN  
Spider – Fitting

4- arm / 3- arm /  
2- arm 90° / 2- arm 180°  
1- arm

+ systemized Universal  
Adapter & Console

## Application Examples





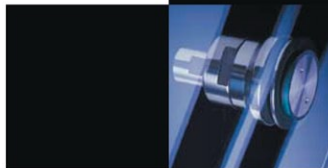
## MANET Construct

Modern architecture requires unique and complete solutions which ensure proper durabilities.

The MANET Construct Glass-Clamp-Mounting program contains high functional single-point fixings which provide huge adjustment possibilities for safe and economic façade executions under ultimate load-bearing capacities.

The standardized MANET Construct Spider system, made of high quality duplex stainless-steel, ensures an ultimate safety as well as an unbelievable performance for today's high transparent glass structures.

The MANET Construct Connector system fulfils each and every demand for solving special customized applications within a light and transparent glass structure. In combination with glass fins, the connector system provides glazings, as transparent as possible.



## System Details



MANET Construct  
Glass-Clamp-Mountings

EA-50  
(plate-clamping head)

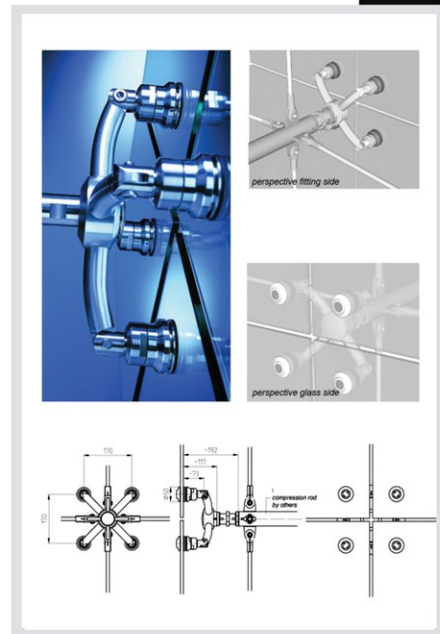
ESA-50  
(countersunk head)

MANET Construct  
Spider – Fitting

4- arm / 3- arm /  
2-arm 90° / 2-arm 180°  
1-arm

+ systemized Universal  
Adapter & Console

## Application Examples





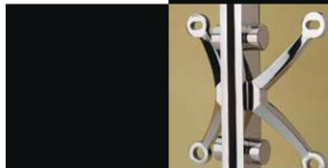
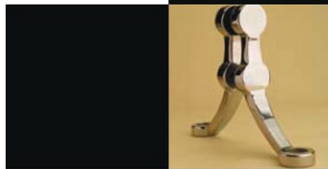
## GlassFin System

Maximum transparency requires safe and complete solutions which ensure practicable applications.

The Glass-Clamp-Mounting program "Easy Fit" contains an easy and understandable package of single-point fixing solutions for modern glass applications. Rigid fittings provide economical designs under consideration sophisticated requirements.

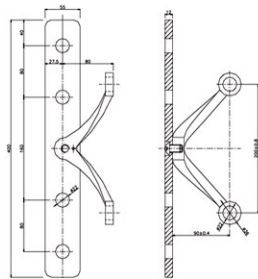
The standardized GlassFin Spider system, made of adequate but common stainless-steel quality, ensures an ultimate safety as well as an unbelievable performance for today's highest transparent glass structures.

Additional system components incl. splice plate connections fulfil each and every demand for transporting high supporting forces within a transparent glass fin substructure into the building. Stainless-steel bases provide ultimate solutions based on safe standards



## System Details

Glass Fin Spider System  
(universal bolt connection)

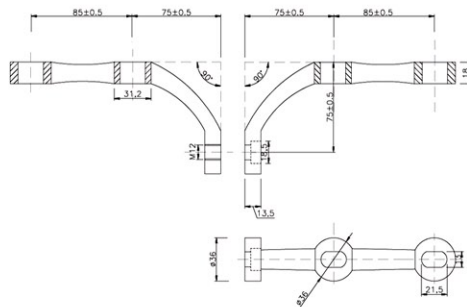
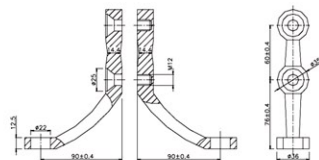
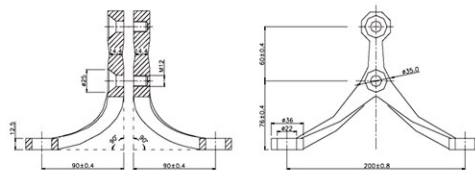


GFF-G1  
(1-arm & 2-arm 180°)

GFF-G2  
(2-arm & 4-arm)

GFF-G2-400  
(2-arm spider + splice plate)

GFF-GT  
(1-arm & 2-arm fin – building)







## V - Spider System

Adequate transparency requires safe but economical solutions which ensure practicable applications.

The Glass-Clamp-Mounting program "Easy Fit" contains an easy and understandable package of single-point fixing solutions for modern glass applications. Rigid fittings provide economical designs under consideration sophisticated requirements.

The standardized V - Spider system, made of common stainless-steel quality, ensures an ultimate safety as well as an proper performance under efficient material utilization for today's economical transparent glass structures.



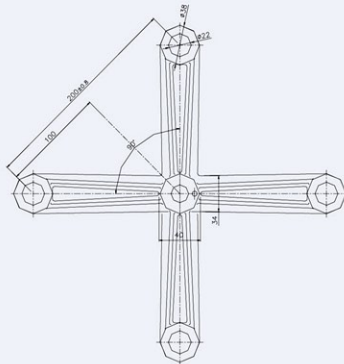
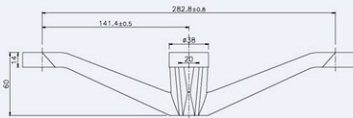
## System Details

V - Spider System

(universal bolt connection)

4-arm / 3-arm / 1-arm

2-arm 180° / 2-arm 90°



## LOOP - Systems

Practise oriented fitting development for high transparent but maximum efficient as well as economical façade designs.

Advantages in reduced glass preparations and installation times under consideration of an unique fitting design combines the contemporary demand for cost efficient solutions with innovative architectural ideas.

The Glass-Clamp-Mounting program DORMA LOOP contains an easy and understandable fitting solutions for modern glass applications. Corner as well as edge supports avoid cost intensive glass holes and provide a harmonic glass façade structures.

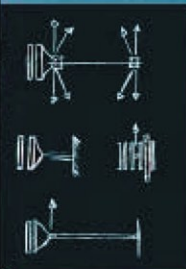
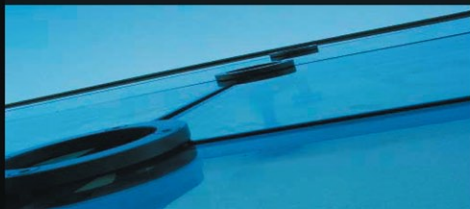
The standardized accessory system, consisting of universal adapters as well as console components and compression-rod members, offers an unlimited field of different application possibilities under safety and economic aspects for today's building demands.



## Clamped rather than drilled

LOOP needs no drilling or machining of the glass and saves both time and money during installation. Glass panels of all types and thicknesses are connected by the retaining ring of powder-coated steel with just the right amount of grip pressure. The material and functional principle keep the system price for glass, fittings and installation remarkably low. In addition, there is a wide range of possibilities for wall, floor

and ceiling connection: ideally designed structural elements provide a reliable hold for tie rods or cable-type bracing arrangements. The patented system is just as suitable for bracket-mounted cold facades as they are for single-walled warm facades, and has been approved in accordance with the requirements of DIN 18516, Part 4 as a solution for rear-ventilated external wall claddings.





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