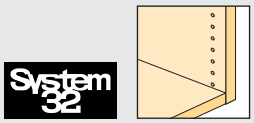
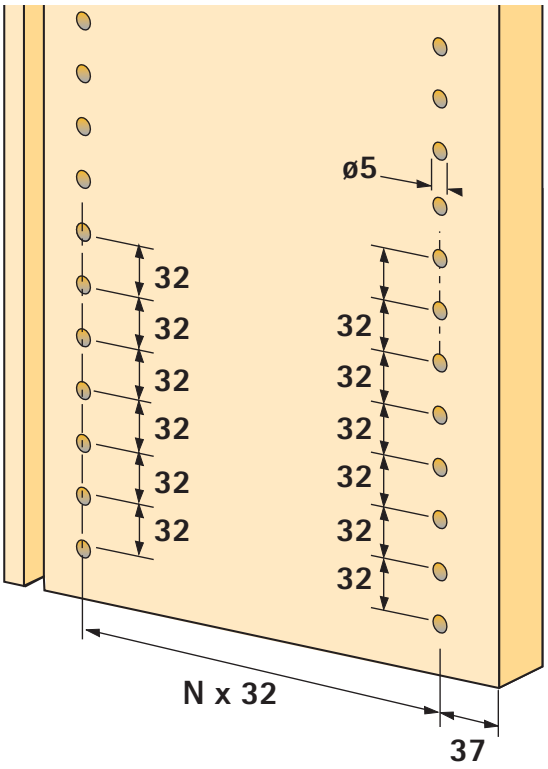
Design principle
System 32



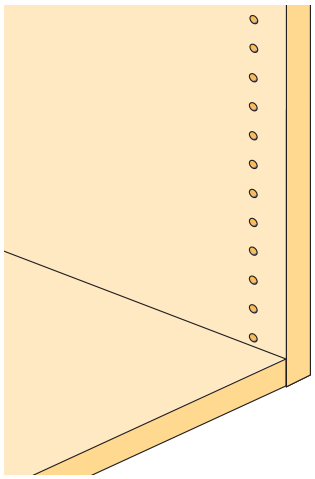
- The international standard for furniture construction
- Allows for hole line and fitting and assembles these to create a constructional unit
- Saves time and money in work preparation, production and assembly
- Ideal for production processes involving CNC, automatic drilling machines and drilling jigs

Design principle System 32

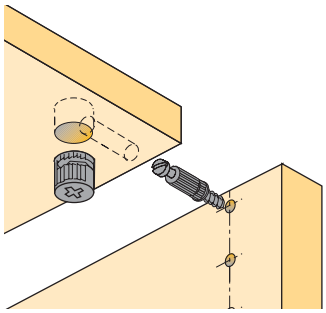
- Hole distance: 32 mm
- Drilling diameter: 5 mm
- Hole-centre distance from hole line to front edge of side: 37 mm (sealing lips, bumper etc. belong to the front edge of the side, are included in the 37 mm dimension and must be taken into account when cutting to size and drilling)
- Hole-centre distance in vertical hole lines: divisible by 32
- Beneficial:
  - The first and last drill hole in a hole line is equal from the upper and lower edge of the side
  - The distance between the rear edge of the side and rear hole line is also 37 mm



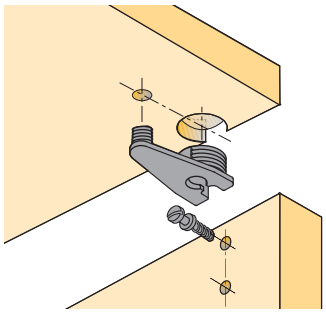
Units	0	1	2	3	4	5	6	7	8	9
Tens										
0	0	32	64	96	128	160	192	224	256	288
1	320	352	384	416	448	480	512	544	576	608
2	640	672	704	736	768	800	832	864	896	928
3	960	992	1024	1056	1088	1120	1152	1184	1216	1248
4	1280	1312	1344	1376	1408	1440	1472	1504	1536	1568
5	1600	1632	1664	1696	1728	1760	1792	1824	1856	1888
6	1920	1952	1984	2016	2048	2080	2112	2144	2176	2208
7	2240	2272	2304	2336	2368	2400	2432	2464	2496	2528
8	2560	2592	2624	2656	2688	2720	2752	2784	2816	2848
9	2880	2912	2944	2976	3008	3040	3072	3104	3136	3168



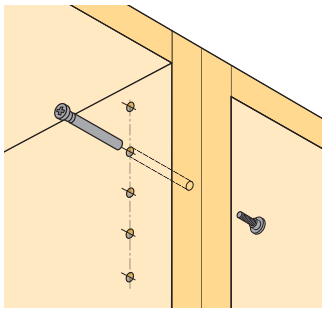
A wide range of different fittings are mounted in System 32 hole lines:



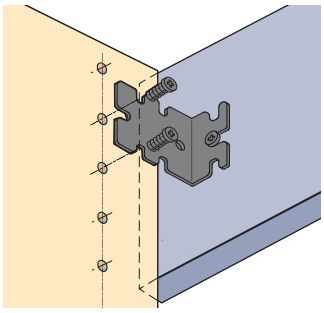
Cam fittings
Rastex



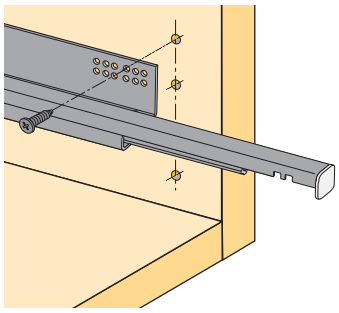
Cam fittings
VB



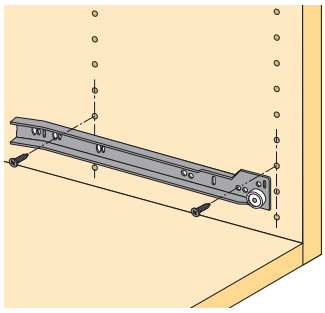
Connecting screws



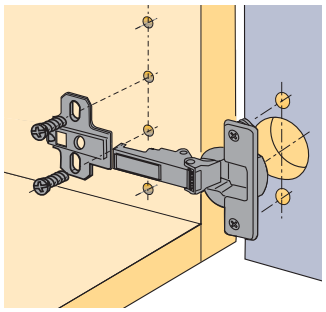
Connecting angle



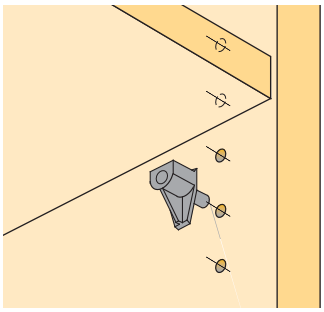
Quadro runner systems



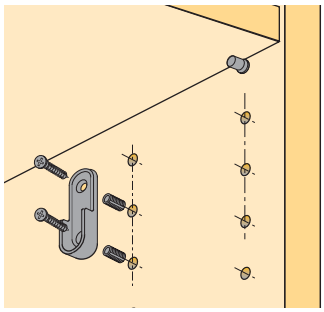
Roller runner systems



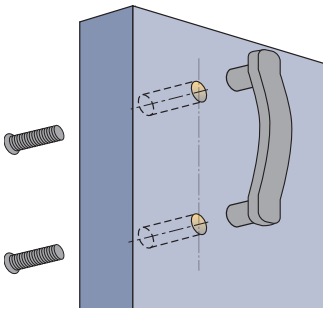
Hinge systems Sensys
and Intermat



Shelf support



Wardrobe tube bearing



Even handles are mounted within the 32 mm hole pattern ...

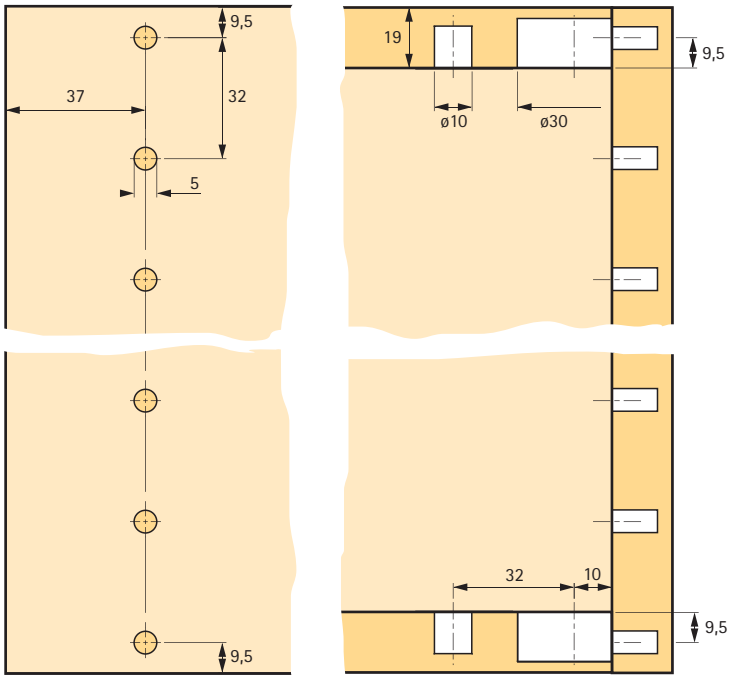
Design principle
System 32
Example application

Hole line and connecting fitting

When processing panels ensure that:

The position of the dowel drilling in the edge of the top and bottom panels corresponds with the data given in the catalogue!

Example of connecting fitting VB 20:
distance = 9,5 mm



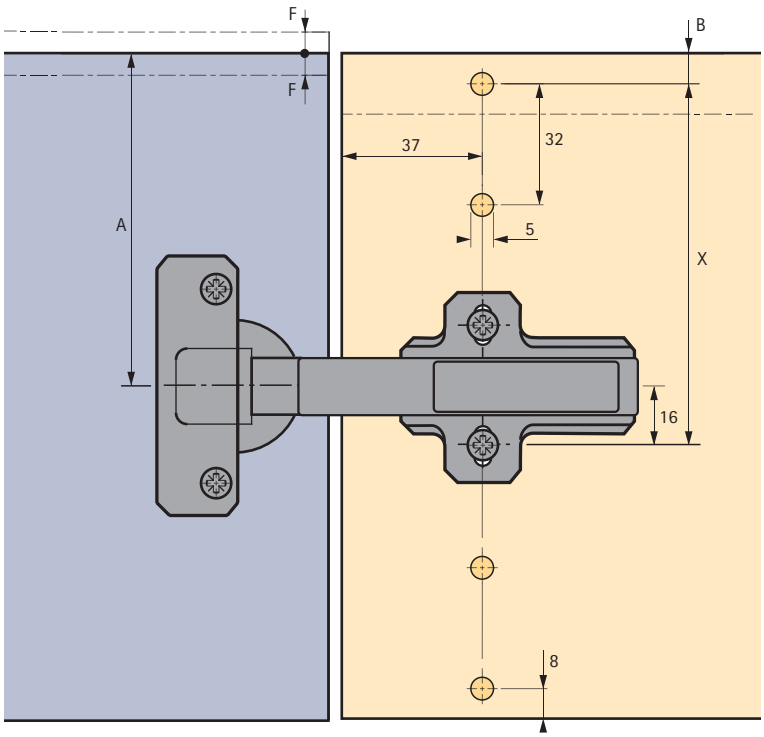
Door stop

A = distance from upper edge of door to centre of hinge cup
B = distance from upper edge of side to centre of dowel
F = door overhang or door reveal
X = multiple of 32 mm

Formula for calculation of hinge distance:

A = B + X - 16
9,5 + 96 - 16 = 89,5 mm

A desired door reveal F is to be subtracted.
A desired door overhang F is to be added.

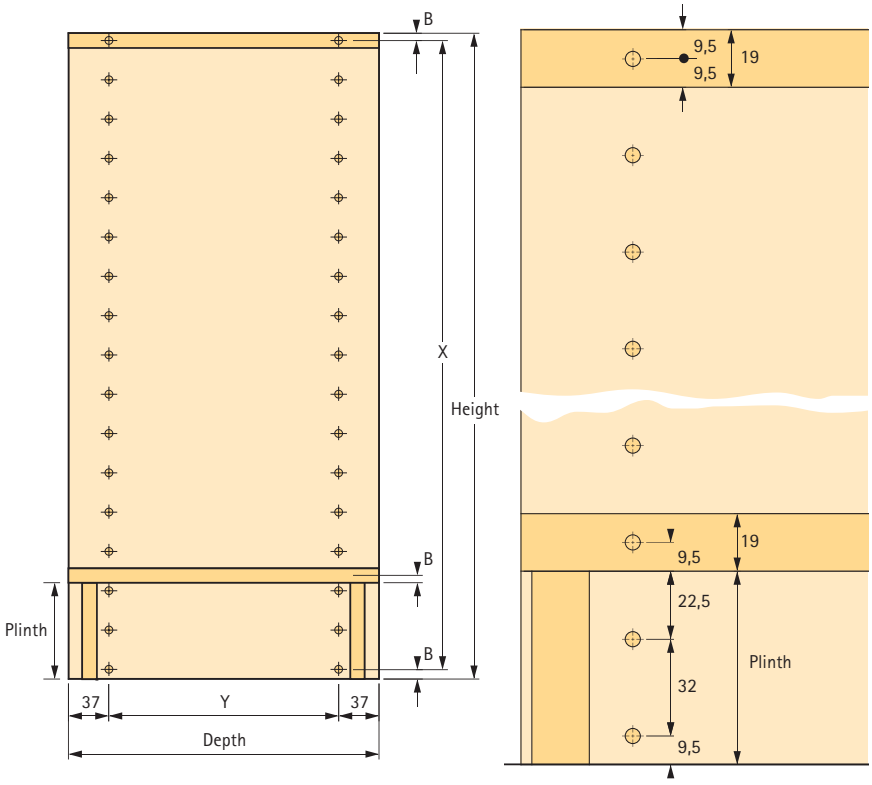


Constructing a cabinet side

X / Y = multiple of 32 mm
B = hole distance from side upper or lower edge to centre of dowel
E.g., for 19 mm shelf thickness:
B = 9,5 mm

Calculation of cabinet side:

Height= X + (2 x B)
Width = Y + (2 x 37 mm)



Example:

- Desired height approx. 2000 mm
- Desired depth approx. 600 mm
- Connecting fitting VB 20 - 19 mm shelves

Advantage to the cabinet maker:

There is no longer any need to differentiate between a left and right unit side, since the upper and lower hole positions are identical.

Units	0	1	2	3	4	5	6	7	8	9
Tens										
0	0	32	64	96	128	160	192	224	256	288
1	320	352	384	416	448	480	**512**	544	576	608
2	640	672	704	736	768	800	832	864	896	928
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9	2880	2912	2944	2976	3008	3040	3072	3104	3136	3168

2 X = 1984 + (2 x 9,5) = 2003 mm

2 For dimension X, 1984 is selected from the table. The cabinet height is therefore 1984 + (2 x 9,5) = 2003 mm.

1 Y = 512 + (2 x 37) = 586 mm

1 For dimension Y (600 - 2 x 37), 512 mm is selected from the pattern table. The cabinet depth is therefore 512 + (2 x 37) = 586 mm.