



Perfect gap alignment for wooden drawers:
Quadro 4D high performance drawer runner

Technik für Möbel


Hettich

The new dimension in perfect design:
Quadro 4D



Sleek furniture design with sharply defined silhouettes is the mark of today's trend in furniture. Distinctively narrow gaps merge individual front segments to make them look like a homogeneous surface. Perfectly adjusted gaps instantly signalise high product quality. Create a new dimension in sophisticated furniture design the quick and easy way with Quadro 4D.



Quadro 4D is the ideal runner for sophisticated furniture design and producing it with precision:

- Convenient adjustment in 4 directions: height, side, tilt and depth
- Quickly, intuitively and tool-less
- Gap alignment to impress in record time
- Stability, long life and operating convenience of the Quadro principle
- Full extension runner for a perfect view of drawer contents and easy access

Intuitive and tool-less for precision front panel gap alignment:

Quadro 4D

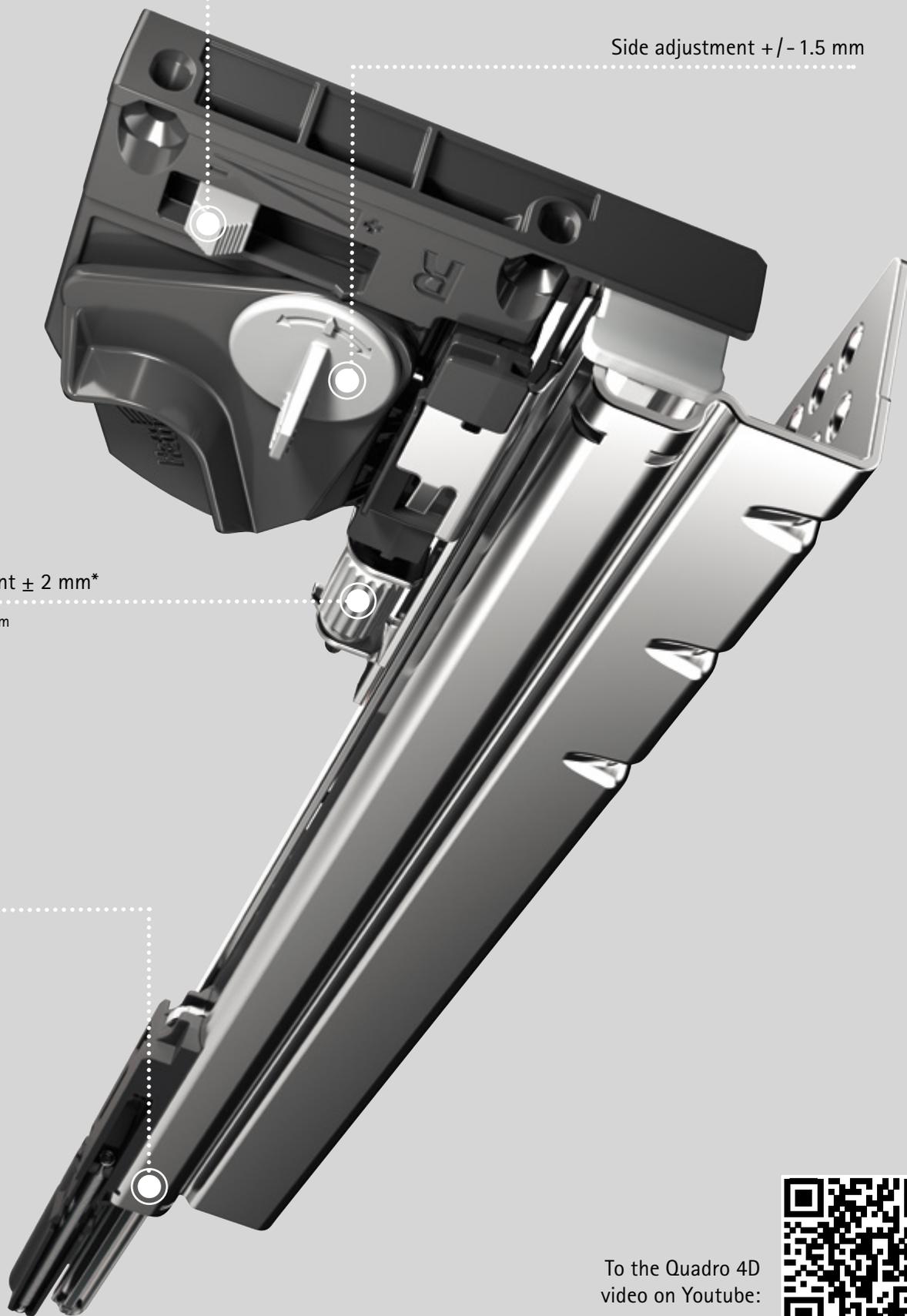
Height adjustment ± 2 mm

Side adjustment ± 1.5 mm

Depth adjustment ± 2 mm*

* Push to open: $+ 4$ mm

Tilt adjustment



To the Quadro 4D
video on Youtube:
www.hettich.com/short/5a2d2



The easy way to getting perfection: Quadro 4D



Height adjustment



Side adjustment



Tilt adjustment



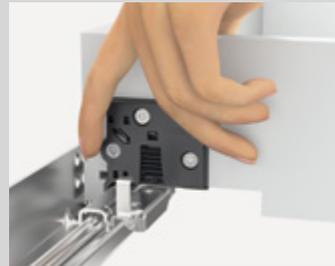
Depth adjustment



Every adjustment action delivers perfect results: the precision height adjustment function is located directly behind the drawer front.



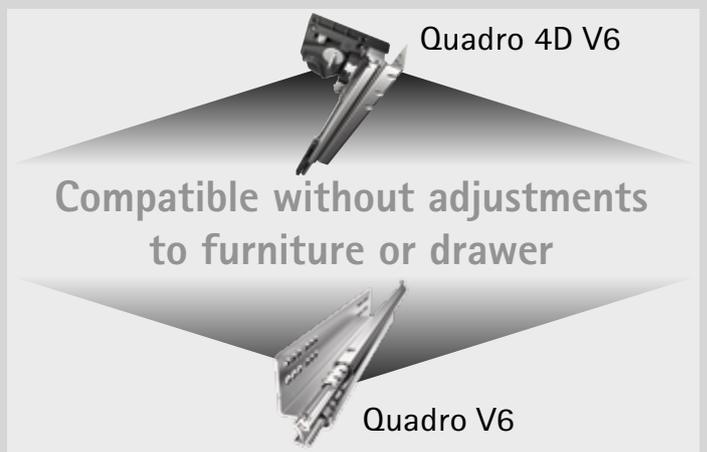
Fast and accurate: the position of the adjustment wheel is easy to feel, permitting synchronised lateral adjustment of both sides by aligning them in parallel.



Always in easy reach: simply pull the drawer forward a short distance on the extended runner.



The clever way to do without door damper: simply minimise drawer front gap without letting the front panel contact the carcass.



Benefits of Quadro 4D in terms of installation:

- Stop edges to simplify positioning of the tilt adjustment function
- No holes need drilling in the rear panel
- Drawers with drill holes in the rear easy to install at a later stage
- Innovative connection between runner and drawer at rear: for secure drawer installation, in any chosen setting

- The installation dimensions of the Quadro V6 full extension runner with height adjustment capability are compatible with those of the Quadro 4D*. This permits cost effective combinations with well balanced performance.

* Apart from drawer side profiles in a thickness of 16 mm

Reliable and easy installation/removal: Quadro 4D



Installation

- Convenient slide on assembly: simply place the drawer on the runner, slide in, done!
- Secure, firm fit: catches engage in several positions to provide secure engagement even when adjusted to maximum depth setting
- Ever so easy: installation isn't a problem for end users either.

Removal

- Easily released: ergonomically shaped catches make the drawer easy to release.
- Force can be applied to release the drawer without using the catches. This rules out any consequences of incorrect installation by end users – particularly where drawers are installed at a low level where the mechanism cannot be seen.

Lasting top performance and ultimate convenience: The Quadro principle

Integrated features for a feel of luxury:

- Silent System for gentle closing performance or
- Push to open opening system for purist furniture design

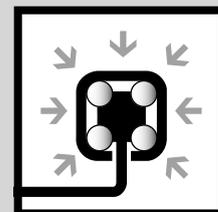
Concealed runner profiles for discerning furniture design

Special Quadro profile geometry for good tracking and stability

No maintenance steel ball bearings for lasting user convenience

High precision runners guarantee balanced, smooth gliding action

Low installed height for optimum use of storage space



Even heavily laden, Quadro provides easy action and smoothly gliding performance. Forces acting on it are taken up on all sides by the special profile geometry – making sure that Quadro provides maximum vertical and horizontal stability.

Drawer runner

- ▶ Quadro 4D V6 full extension runner with Silent System
- ▶ Loading capacity up to 30 kg



Set comprises:

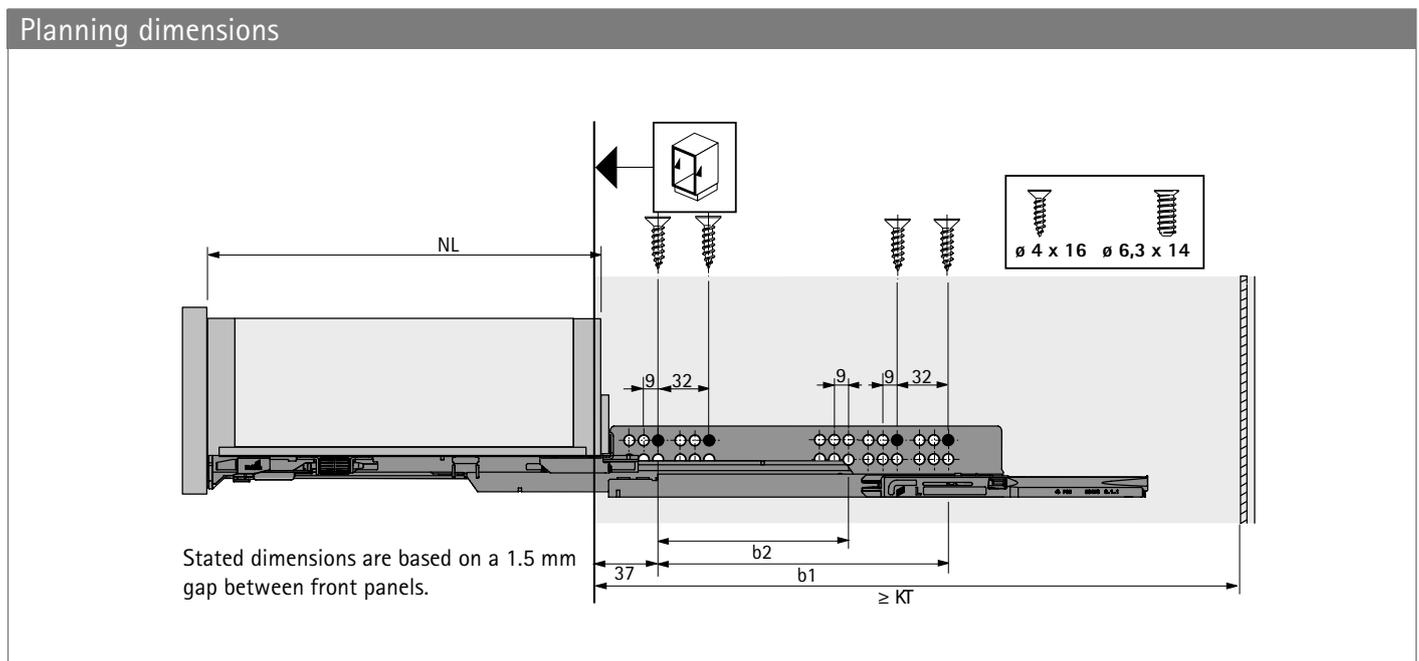
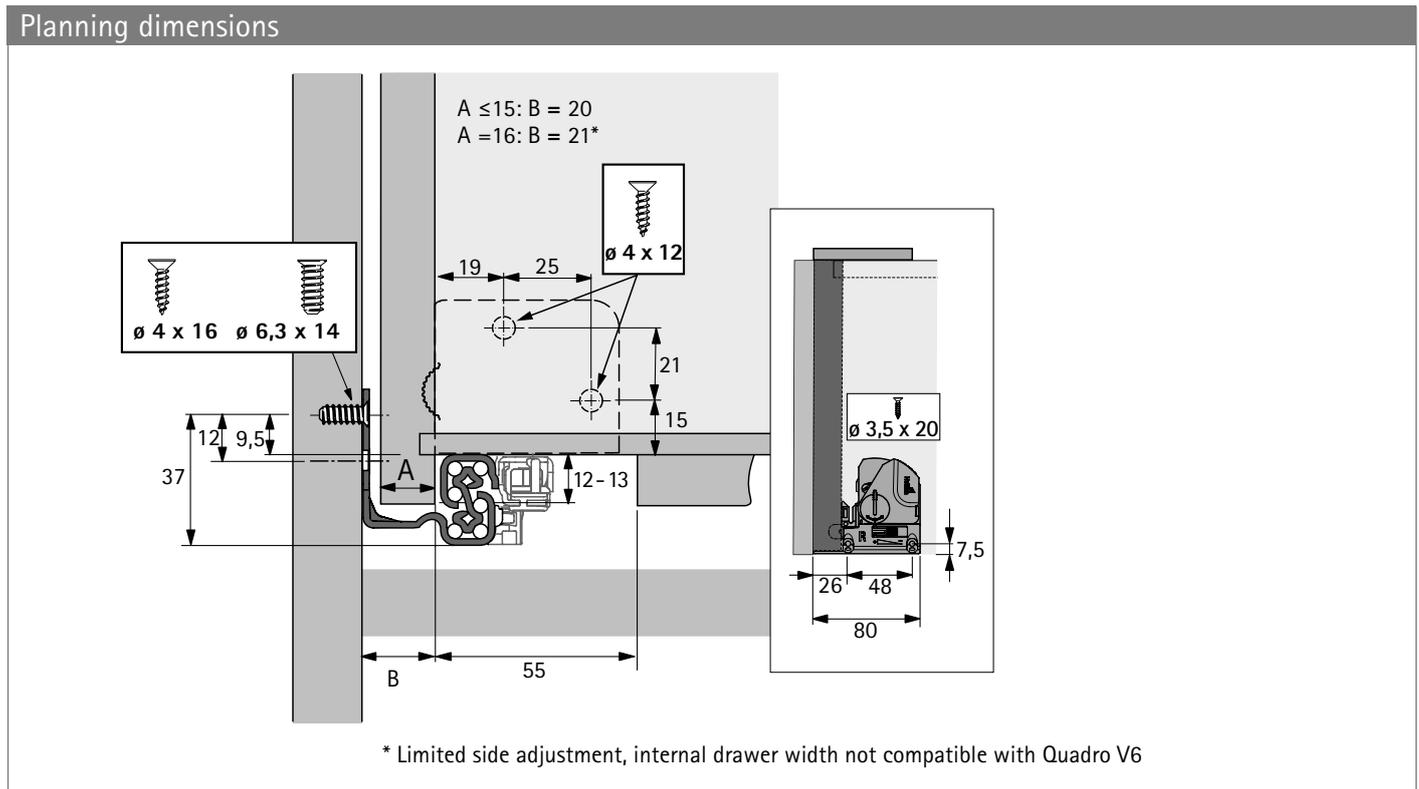
- ▶ 2 runners, left / right
- ▶ 2 catches, left / right
- ▶ 2 tilt adjusters, left / right
- ▶ **Silent System** - the integrated soft closing closes the drawer quietly and gently
- ▶ Convenient slide on installation with catches
- ▶ Tool-less intuitive height, side, tilt, and depth adjustment
- ▶ Loading capacity to EN 15338, Level 3
- ▶ Galvanised steel, suitable for rooms exposed top moisture

Quadro 4D V6 with Silent System

Nominal length / drawer length NL mm	Minimum carcass depth KT mm	Hole spacing b1 mm	Hole spacing b2 mm (optional instead of b1)	Order no. set
250	263	142		9 181 288
280	293	160		9 181 289
300	313	192		9 181 290
320	333	192		9 181 291
350	363	192		9 181 292
380	393	224		9 181 293
400	413	224		9 181 294
420	433	224		9 181 295
450	463	256		9 181 296
480	493	256		9 181 297
500	513	288	224	9 181 298
520	533	288	224	9 181 299
550	563	288	224	9 181 300
580	593	352		9 181 301
600	613	352		9 181 302

Drawer runner

- ▶ Quadro 4D V6 full extension runner with Silent System
- ▶ Loading capacity up to 30 kg



Drawer runner

- ▶ Quadro 4D V6 full extension runner with Push to open
- ▶ Loading capacity up to 30 kg



Set comprises:

- ▶ 2 runners, left / right
- ▶ 2 catches, left / right
- ▶ 2 tilt adjusters, left / right

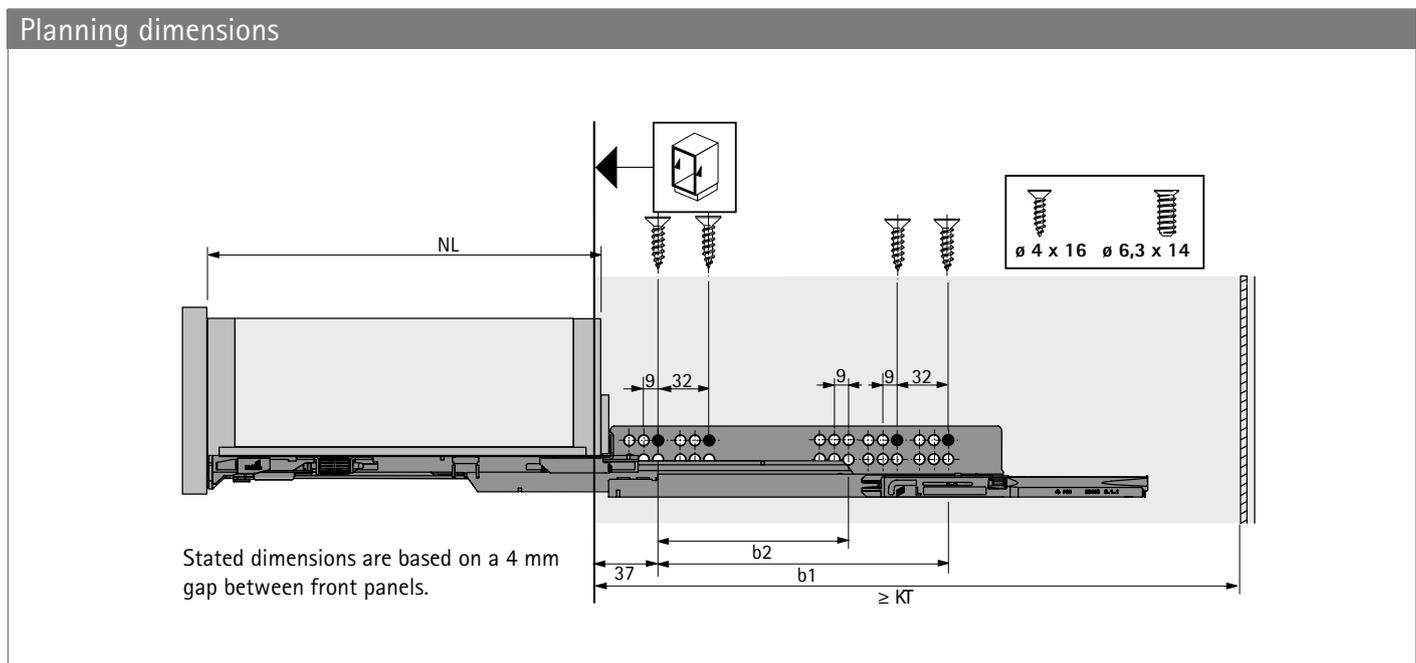
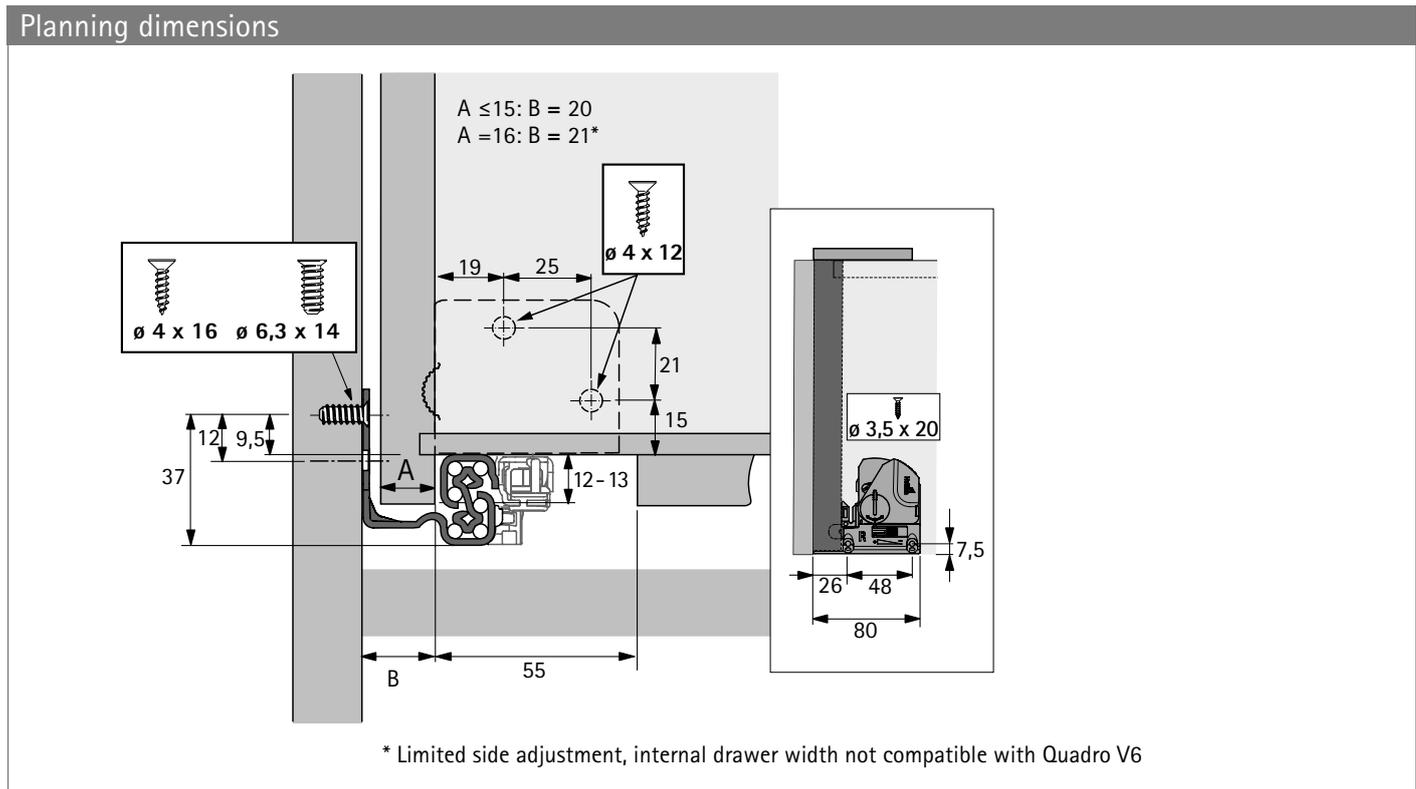
- ▶ **Push to open** - the precision activating mechanism opens the drawer automatically and in virtual silence - a light press is all it takes!
- ▶ Convenient slide on installation with catches
- ▶ Tool-less intuitive height, side, tilt, and depth adjustment
- ▶ Loading capacity to EN 15338, Level 3
- ▶ Galvanised steel, suitable for rooms exposed top moisture

Quadro 4D V6 with Push to open

Nominal length / drawer length NL mm	Minimum carcase depth KT mm	Hole spacing b1 mm	Hole spacing b2 mm (optional instead of b1)	Order no. set
250	263	142		9 181 303
300	313	192		9 181 305
320	333	192		9 181 306
350	363	192		9 181 307
380	393	224		9 181 308
400	413	224		9 181 309
420	433	256		9 181 310
450	463	256		9 181 311
480	493	256		9 181 312
500	513	288	224	9 181 313
520	533	288	224	9 181 314
550	563	288	224	9 181 315
580	593	352		9 181 316
600	613	352		9 181 317

Drawer runner

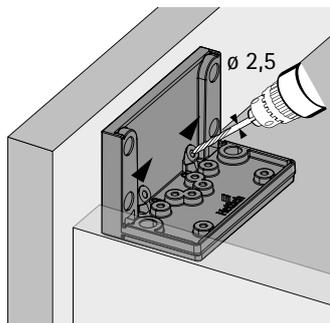
- ▶ Quadro 4D V6 full extension runner with Push to open
- ▶ Loading capacity up to 30 kg



Quadro 4D

► Assembly aids

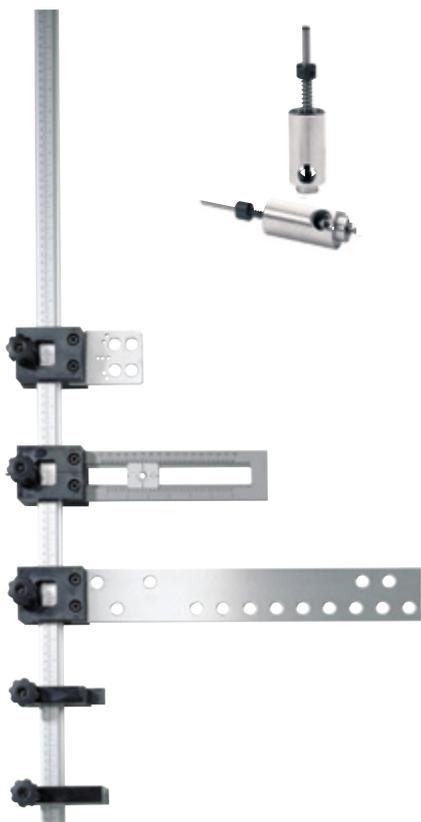
BlueJig Quadro EB20



- Suitable for all slide on Quadro drawer runners for wooden drawers
- Positioned
 - Catch for wooden drawers and pull out shelves
 - C hook for attaching runner to the rear panel (not relevant to Quadro 4D)
 - Rear mounting plug (not relevant to Quadro 4D)
- Black plastic with hardened steel drilling bushes

Order no.	PU
44777	1

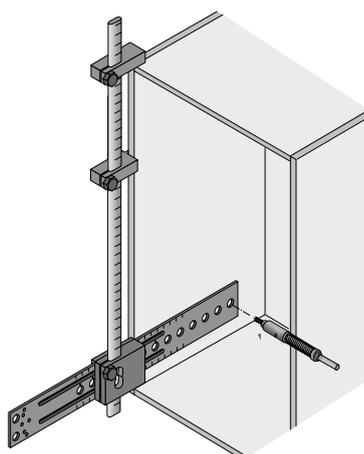
Accura drilling jig



For drilling Quadro runner fixing point quickly and accurately in the assembled carcass or on individual carcass sides

- Modular system drilling jig
- Versatility: various drilling templates can be used for mounting all sorts of fittings, e.g. hinges, mounting plates, handles and knobs
- Efficient, economical and professional

Details: see Furniture Fittings and Applications catalogue from page 2731



Runner systems for wooden drawers: Quality that meets all the demands

Quality that meets all the demands

The quality of drawer runners is subject to a process of continuous monitoring. Hettich fittings comply with the national and international quality standards of the markets our customers operate in. The diagrams below show some of the tests Hettich fittings are required to pass.

Application area

Hettich drawer runners are suitable for use in living room, kitchen, bathroom and office furniture both in the home and business environment.

Loading capacity and guards preventing unintentional detachment / removal

The loading capacity indicated (to DIN EN 15338) is understood to mean the weight of the drawer itself, including contents, in kg. The applicable level is shown on the product. Loading capacity relates to a

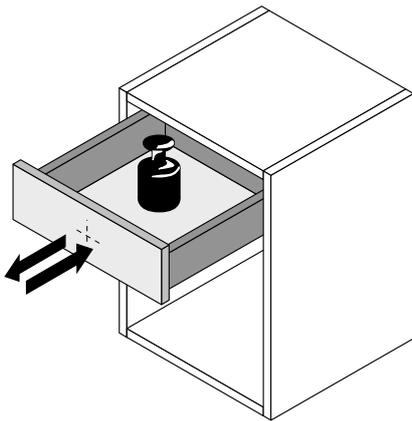
reference length of 500 mm. The loading capacity may vary for other nominal lengths. All Hettich drawer runners feature guards to prevent the drawer from rolling out and being removed unintentionally and meet the requirements of the impact test in a test frame to EN 15338. Used in the intended manner for furniture, these runners are suitable for use in living-room, kitchen and bathroom furniture to EN 14749 and for use in office furniture to EN 14073 and EN 14074. The maximum front panel height is governed in particular by material, drawer size and drawer runner. Testing is conducted on drawers with a 130 mm front panel height and pot-and-pan drawers with a 300 mm front panel height.

Corrosion test

Hettich drawer runners satisfy the requirements on corrosion defined in EN 15338, 72-hour condensation-water test to EN 6270.

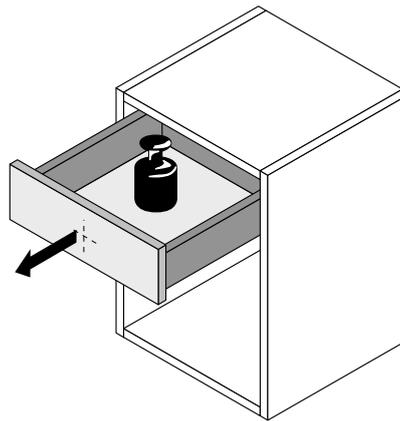
Wear test

The fully laden drawer must remain in proper working order after opening and closing it for a defined number of times at a defined test velocity.



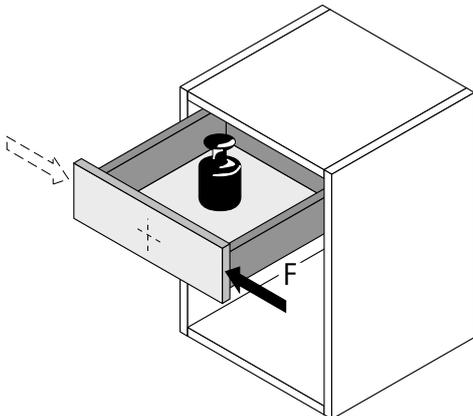
Retention-on-opening test

The fully laden drawer is abruptly opened all the way several times at a defined test velocity.



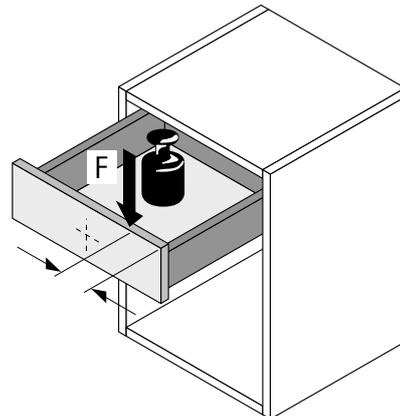
Horizontal load test

Opened all the way, the fully laden drawer is additionally exposed to horizontal strain from a defined lateral force.



Vertical strain test

Opened all the way, the fully laden drawer is additionally exposed to vertical strain from a defined eccentric force.



Hettich and the environment: committed to responsible practice, active protection, innovative thinking



Hettich accepts responsibility for the world we live in. This awareness defines the strict policy of environmental management we practise. Our environmental officer has taken personal responsibility for these aspects throughout the group of companies over a period of many years. In addition, a separate environment committee has been established for each production site. We regard statutory provisions as minimum requirements. At significant sites we also implement the stringent EMAS Regulation. And we drive forward developments that in future will help to save even more raw materials and support the necessary endeavours towards sustainability.

Hettich standard for product materials

Hettich underpins its commitment by applying an internal standard for product materials. This ensures that every product – from production to disposal – satisfies all environmental requirements. Hettich products are durable. Appropriately foresighted, our rigorous standards are formulated to ensure that international legislation is met as well. This provides a reliable basis for marketing furniture world-wide.

Hettich environmental management

In 1996 Hettich started introducing effective environmental management systems under the stringent EMAS Regulation (currently: EC Regulation No. 761/2001, including EN ISO 14.001/2004). This not only enables us to improve our environmental performance on a broad front but also achieve a high level of safety which, not least, also benefits our customers. This is why we also require our suppliers to meet the necessary minimum standards of environmental protection, industrial safety, health care and social welfare. The results achieved in the drawer runner and drawer system product segment at the Kirchlengern operation illustrate the impressive effects these measures have and verifiably demonstrate our tireless endeavours to translate words into action:

Relief to the environment between 1997 and 2008:

Specific water consumption:	56 per cent
Specific power consumption:	21 per cent
Specific heat consumption:	84 per cent
Specific CO ₂ emissions:	29 per cent

General technical conditions

The fitting instructions, screw fixing points and load bearing information given in this catalogue assume proper attachment using screws specified by Hettich to a carcass material providing a screw pull out resistance of > 1,000 N in accordance with EN 320. Hettich accepts no responsibility for materials or methods of attachment other than those stated. The furniture manufacturer must verify the system's load bearing capacity in such cases.

The fitting situations shown in this catalogue are only intended to illustrate the possible options. The furniture manufacturer is responsible for ensuring that furniture is designed in compliance with safety requirements defined in the applicable standards. We will be pleased to provide any further information you may require.

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Publication data

© Hettich Marketing- und Vertriebs GmbH & Co. KG
32278 Kirchlengern · Germany

September 2014

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Order no.: 9.191.090
1407-074_Quadro_0914_HPH/en

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