



› Electrical engineering



› Energy technology



› Automotive



› Medical technology



› Transportation



› Construction industry



› Precision engineering



› Aviation and aerospace



› Hydraulics and industry



› Mechanical engineering

TRUST THE NUMBER ONE IN FASTENING AND SEALING TECHNOLOGY

Whether you need to choose the best possible fastening or sealing element, or are looking to develop a special solution for complex operational process and design work flows, KVT is your trusted partner. At KVT, efficiency and project security are our priorities. Find out about our wide range of products and solutions for your fastening needs, today!

For further information please visit

› www.kvt-koenig.com

KVT-Koenig AG

Dietikon/Zürich | Switzerland
info-CH@kvt-koenig.com

KVT-Koenig Brasil Comércio Importação e Exportação Ltda

São Paulo/SP | Brazil
info-BR@kvt-koenig.com

KVT-Koenig Trading Co., Ltd. Beijing

Beijing | China
info-CN@kvt-koenig.com

KVT-Koenig GmbH

Illerrieden | Germany
info-DE@kvt-koenig.com

KVT-Koenig GmbH

Asten/Linz | Austria
info-AT@kvt-koenig.com

KVT-Koenig Sp. z o.o.

Gdańsk | Poland
info-PL@kvt-koenig.com

KVT-Koenig S.R.L.

București | Romania
info-RO@kvt-koenig.com

KVT-Koenig spol. s.r.o.

Bratislava | Slovakia
info-SK@kvt-koenig.com

KVT-Koenig d.o.o.

Ljubljana | Slovenia
info-SI@kvt-koenig.com

KVT-Koenig s.r.o.

Brno | Czech Republic
info-CZ@kvt-koenig.com

KVT-Koenig Kft.

Budapest | Hungary
info-HU@kvt-koenig.com

KVT-Koenig LLC

North Haven | USA
info-US@kvt-koenig.com

JOINED TO LAST.

KVT
SOLUTIONEERING GROUP





› KVT Solutioneering Group is an internationally well-known specialist for high-quality fastening and sealing applications. In both areas, KVT offers engineering solutions based on the wide product portfolio of the leading manufacturers in the market.

› Whether for the electronics and energy sector, the automotive and transportation industries, aviation and aerospace, engineering and construction, precision engineering, or medical equipment, high-performance solutions from KVT are found wherever absolutely safe and secure connections are essential. These small but extremely resilient components are applied where it matters most.

› KVT does not just supply standard products and individual components, but also provides close and active customer support in the search for ideal solutions, particularly when specific requirements must be fulfilled. This portfolio is complemented by a range of innovative tools and machines as well as, if needed, the integration into automated, serial production workflows.

› With over 70 years of engineering experience, solution-oriented expertise, as well as unique development and consulting skills, the KVT Solutioneering Group stands for best-in-class reliability.

JOINED TO LAST. KVT

**THE CENTER OF EXCELLENCE
FOR HIGH-PERFORMANCE
FASTENING TECHNOLOGY**

BONDED FASTENERS – HIGHLY VERSATILE, EFFICIENCY GUARANTEED

bigHead® threaded bolts, threaded stand-offs, pins, nails and nuts as universal tear- and extraction-resistant connections impress with the simplicity of their installation and their suitability for high strength applications. Made of stainless and galvanized steel, they are ideal for invisible application in plastic materials, fiber composites, wood or laminates. Multiple variants offer universal and intelligent solutions which are used in automotive and ship building, furniture production, mechanical engineering and many other industries.

CHALLENGE

For molded parts made of plastic, GRP, carbon fibre and other composite materials it is difficult to provide a mechanical fixing which is reliable and high strength. It is also difficult to find a fastening system that is versatile and simplifies product assembly.

SOLUTION

bigHead® fasteners are reliable and very secure and can be either surface bonded with adhesive or embedded in the molded part. Thus, sturdy attachment or fixing points are established that cannot break or be pulled out, so they are highly suitable for all kind of composite and lightweight applications. bigHeads® are used for prefab parts for truck cabs, cars, caravans, mobile homes, ship interior fittings, air transport containers, furniture and shop fittings, street signs, machine covers, decorative cassettes, lighting fixtures etc.

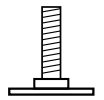
ADVANTAGES

- › Easy and time-saving
- › Highly versatile
- › Surface bonded with adhesive or fully embedded
- › Ideal for fiber composites, fiberglass, carbon fiber, SMC, BMC and other molding compounds, foam plastics, elastomers, rubbers, laminated timber, triple corrugated cardboard
- › Fasteners with threaded bolts can be provided with protective polyethylene covers for dirt-proof processing



Inhalt

8 – 12 **Threaded Bolts**
M1/SM1



13 **Pins**
M4/SM4



14 **Nails**
M5/SM5



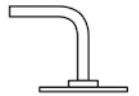
16 – 17 **Nuts**
F1/SF1



18 – 21 **Threaded stand-offs**
F2/SF2



22 **Hooks**
M6/SM6



22 **Arcs**
M7/SM7, M8/SM8



23 **Cable Brackets**
SB32, B38/SB38



24 **Special solutions**

25 **TwinDisk® Threaded Bolts/Threaded stand-offs**



26 **Poppit® Fasteners**

27 **Accessories**



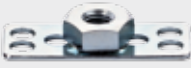






28 – 29 **BIG BOND Adhesive**

30 **3M Scotch-Weld™ 7271 B/A**

PRODUCT OVERVIEW

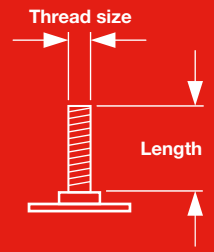
Head shape	Threaded Bolts M1 / SM1	Pins M4 / SM4	Nails M5 / SM5	Nuts F1 / SF1	Threaded stand-offs F2 / SF2
B15 Square head, 15 x 15 mm					
B19 Round head, Ø 19 mm					
B20 Round head, Ø 20 mm					
B23 Round head, Ø 23 mm					
B30 Round head, Ø 30 mm					
B32 Square head, 32 x 32 mm					
B38 Rounded corner head, Ø 38 mm					
Pages	8 – 12	13	14	16 – 17	18 – 21

PRODUCT OVERVIEW

Head shape	Threaded Bolts M1 / SM1	Pins M4 / SM4	Nails M5 / SM5	Nuts F1 / SF1	Threaded stand-offs F2 / SF2
T38 Rectangular head, 38 x 15 mm					
T40 Rectangular head, 40 x 10 mm					
B50 Rounded corner head, Ø 50 mm					
B58 Square head, 58 x 58 mm					
Pages	8 – 12	13	14	16 – 17	18 – 21

Head shape	Hooks M6 / SM6	Arcs M7 / SM7, M8 / SM8		Cable Brackets SB32, B38 / SB38	
B32 Square head, 32 x 32 mm					
SB32, B38 / SB38 Square head, 32 x 32 mm or 38 x 38 mm					
Pages	22	22		23	

THREADED BOLTS M1 / SM1



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B15

Square head, 15 x 15 mm



Order reference	Thread × Length
M1/B15-M4x12	M4 x 12 mm
M1/B15-M4x16	M4 x 16 mm
M1/B15-M4x30	M4 x 30 mm
M1/B15-M5x12	M5 x 12 mm
M1/B15-M5x16	M5 x 16 mm
M1/B15-M5x20	M5 x 20 mm
M1/B15-M5x25	M5 x 25 mm
M1/B15-M5x30	M5 x 30 mm
M1/B15-M6x12	M6 x 12 mm
M1/B15-M6x16	M6 x 16 mm
M1/B15-M6x20	M6 x 20 mm
M1/B15-M6x25	M6 x 25 mm
M1/B15-M6x60	M6 x 60 mm

Order reference	Thread × Length
SM1/B15-M4x8	M4 x 8 mm
SM1/B15-M4x12	M4 x 12 mm
SM1/B15-M4x16	M4 x 16 mm
SM1/B15-M4x25	M4 x 25 mm
SM1/B15-M5x12	M5 x 12 mm
SM1/B15-M5x16	M5 x 16 mm
SM1/B15-M5x25	M5 x 25 mm
SM1/B15-M6x16	M6 x 16 mm
SM1/B15-M6x25	M6 x 25 mm

HEAD SHAPE B19

Round head, Ø 19 mm



Order reference	Thread × Length
M1/B19-M4x12	M4 x 12 mm
M1/B19-M5x12	M5 x 12 mm
M1/B19-M5x25	M5 x 25 mm
M1/B19-M8x12	M8 x 12 mm
M1/B19-M8x15	M8 x 15 mm

HEAD SHAPE B20

Round head, Ø 20 mm



Order reference	Thread × Length
M1/B20-M5x16	M5 x 16 mm
M1/B20-M6x20	M6 x 20 mm
M1/B20-M8x25	M8 x 25 mm

Order reference	Thread × Length
SM1/B20-M6x40	M6 x 40 mm
SM1/B20-M8x25	M8 x 25 mm

Material

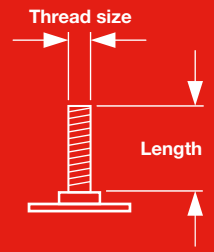
M1 = Galvanized steel

SM1 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

THREADED BOLTS M1 / SM1



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B23

Round head, Ø 23 mm



Order reference	Thread × Length
M1/B23-M4x16	M4 x 16 mm
M1/B23-M4x20	M4 x 20 mm
M1/B23-M4x25	M4 x 25 mm
M1/B23-M5x12	M5 x 12 mm
M1/B23-M5x16	M5 x 16 mm
M1/B23-M5x20	M5 x 20 mm
M1/B23-M5x25	M5 x 25 mm
M1/B23-M5x30	M5 x 30 mm
M1/B23-M6x12	M6 x 12 mm
M1/B23-M6x16	M6 x 16 mm
M1/B23-M6x20	M6 x 20 mm
M1/B23-M6x25	M6 x 25 mm
M1/B23-M6x30	M6 x 30 mm
M1/B23-M6x40	M6 x 40 mm
M1/B23-M6x50	M6 x 50 mm
M1/B23-M8x15	M8 x 15 mm
M1/B23-M8x30	M8 x 30 mm
M1/B23-M8x35	M8 x 35 mm
M1/B23-M8x60	M8 x 60 mm
M1/B23-M10x40	M10 x 40 mm

Order reference	Thread × Length
SM1/B23-M4x20	M4 x 20 mm
SM1/B23-M5x12	M5 x 12 mm
SM1/B23-M5x16	M5 x 16 mm
SM1/B23-M6x12	M6 x 12 mm
SM1/B23-M6x16	M6 x 16 mm
SM1/B23-M6x25	M6 x 25 mm
SM1/B23-M8x25	M8 x 25 mm
SM1/B23-M8x30	M8 x 30 mm
SM1/B23-M10x30	M10 x 30 mm

HEAD SHAPE B30

Round head, Ø 30 mm



Order reference	Thread × Length
M1/B30-M8x20	M8 x 20 mm
M1/B30-M10x40	M10 x 40 mm

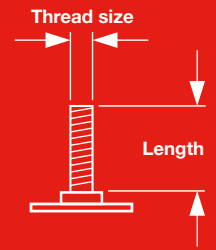
Order reference	Thread × Length
SM1/B30-M8x25	M8 x 25 mm
SM1/B30-M10x50	M10 x 50 mm

Material

M1 = Galvanized steel

SM1 = Stainless steel

THREADED BOLTS M1 / SM1



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B32

Square head, 32 x 32 mm



Order reference	Thread × Length
SM1/B32-M5x12	M5 x 12 mm
SM1/B32-M5x20	M5 x 20 mm
SM1/B32-M5x30	M5 x 30 mm
SM1/B32-M5x40	M5 x 40 mm
SM1/B32-M6x12	M6 x 12 mm
SM1/B32-M6x20	M6 x 20 mm
SM1/B32-M6x25	M6 x 25 mm
SM1/B32-M6x30	M6 x 30 mm
SM1/B32-M6x35	M6 x 35 mm
SM1/B32-M6x40	M6 x 40 mm
SM1/B32-M6x50	M6 x 50 mm
SM1/B32-M6x75	M6 x 75 mm
SM1/B32-M6x100	M6 x 100 mm

Order reference	Thread × Length
SM1/B32-M8x20	M8 x 20 mm
SM1/B32-M8x25	M8 x 25 mm
SM1/B32-M8x30	M8 x 30 mm
SM1/B32-M8x40	M8 x 40 mm
SM1/B32-M8x50	M8 x 50 mm
SM1/B32-M8x75	M8 x 75 mm
SM1/B32-M8x100	M8 x 100 mm
SM1/B32-M10x30	M10 x 30 mm
SM1/B32-M10x40	M10 x 40 mm
SM1/B32-M10x50	M10 x 50 mm
SM1/B32-M10x75	M10 x 75 mm
SM1/B32-M10x100	M10 x 100 mm

HEAD SHAPE T40

Rectangular head, 40 x 10 mm



Order reference	Thread × Length
M1/T40-M5x20	M5 x 20 mm
M1/T40-M5x25	M5 x 25 mm
M1/T40-M6x30	M6 x 30 mm
M1/T40-M8x25	M8 x 25 mm

HEAD SHAPE B58

Square head, 58 x 58 mm



Order reference	Thread × Length
SM1/B58-M6x100	M6 x 100 mm
SM1/B58-M10x100	M10 x 100 mm

Material

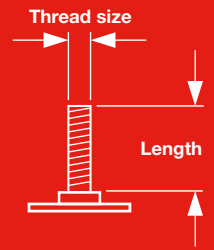
M1 = Galvanized steel

SM1 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

THREADED BOLTS M1 / SM1



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B38

Rounded corner head, Ø 38 mm



Order reference	Thread × Length
M1/B38-M4x25	M4 x 25 mm
M1/B38-M5x12	M5 x 12 mm
M1/B38-M5x20	M5 x 20 mm
M1/B38-M5x40	M5 x 40 mm
M1/B38-M6x16	M6 x 16 mm
M1/B38-M6x20	M6 x 20 mm
M1/B38-M6x25	M6 x 25 mm
M1/B38-M6x30	M6 x 30 mm
M1/B38-M6x35	M6 x 35 mm
M1/B38-M6x40	M6 x 40 mm
M1/B38-M6x60	M6 x 60 mm
M1/B38-M6x75	M6 x 75 mm
M1/B38-M6x100	M6 x 100 mm
M1/B38-M8x15	M8 x 15 mm
M1/B38-M8x20	M8 x 20 mm
M1/B38-M8x25	M8 x 25 mm
M1/B38-M8x30	M8 x 30 mm
M1/B38-M8x40	M8 x 40 mm
M1/B38-M8x50	M8 x 50 mm
M1/B38-M8x60	M8 x 60 mm
M1/B38-M10x20	M10 x 20 mm
M1/B38-M10x25	M10 x 25 mm
M1/B38-M10x40	M10 x 40 mm

Order reference	Thread × Length
SM1/B38-M6x30	M6 x 30 mm
SM1/B38-M6x40	M6 x 40 mm
SM1/B38-M8x30	M8 x 30 mm
SM1/B38-M8x50	M8 x 50 mm
SM1/B38-M8x75	M8 x 75 mm
SM1/B38-M10x16	M10 x 16 mm
SM1/B38-M10x40	M10 x 40 mm

HEAD SHAPE B50

Rounded corner head, Ø 50 mm



Order reference	Thread × Length
M1/B50-M6x12	M6 x 12 mm
M1/B50-M8x20	M8 x 20 mm

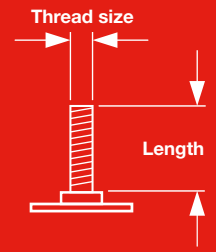
Order reference	Thread × Length
SM1/B50-M8x50	M8 x 50 mm

Material

M1 = Galvanized steel

SM1 = Stainless steel

THREADED BOLTS M1 / SM1



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE T38

Rectangular head, 38 x 15 mm



Order reference	Thread × Length
M1/T38-M4x12	M4 x 12 mm
M1/T38-M4x16	M4 x 16 mm
M1/T38-M4x20	M4 x 20 mm
M1/T38-M4x25	M4 x 25 mm
M1/T38-M5x16	M5 x 16 mm
M1/T38-M5x20	M5 x 20 mm
M1/T38-M5x25	M5 x 25 mm
M1/T38-M6x12	M6 x 12 mm
M1/T38-M6x16	M6 x 16 mm
M1/T38-M6x20	M6 x 20 mm
M1/T38-M6x25	M6 x 25 mm
M1/T38-M6x30	M6 x 30 mm
M1/T38-M6x40	M6 x 40 mm
M1/T38-M6x50	M6 x 50 mm
M1/T38-M6x60	M6 x 60 mm
M1/T38-M6x75	M6 x 75 mm
M1/T38-M6x100	M6 x 100 mm
M1/T38-M8x20	M8 x 20 mm
M1/T38-M8x30	M8 x 30 mm
M1/T38-M8x40	M8 x 40 mm
M1/T38-M8x50	M8 x 50 mm
M1/T38-M10x25	M10 x 25 mm
M1/T38-M10x30	M10 x 30 mm
M1/T38-M10x50	M10 x 50 mm

Order reference	Thread × Length
SM1/T38-M4x12	M4 x 12 mm
SM1/T38-M5x12	M5 x 12 mm
SM1/T38-M5x16	M5 x 16 mm
SM1/T38-M5x25	M5 x 25 mm
SM1/T38-M6x16	M6 x 16 mm
SM1/T38-M6x25	M6 x 25 mm
SM1/T38-M6x30	M6 x 30 mm
SM1/T38-M6x40	M6 x 40 mm
SM1/T38-M6x50	M6 x 50 mm
SM1/T38-M8x30	M8 x 30 mm
SM1/T38-M8x40	M8 x 40 mm
SM1/T38-M8x50	M8 x 50 mm
SM1/T38-M10x50	M10 x 50 mm

Material

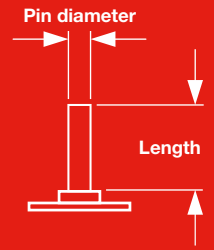
M1 = Galvanized steel

SM1 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

PINS M4/SM4



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B15

Square head, 15 x 15 mm



HEAD SHAPE B23

Round head, Ø 23 mm



HEAD SHAPE B38

Rounded corner head, Ø 38 mm



HEAD SHAPE T38

Rectangular head, 38 x 15 mm



Order reference	Diameter x Length
M4/B15-4.75x12	4.75 mm x 12 mm
M4/B15-4.75x18	4.75 mm x 18 mm

Order reference	Diameter x Length
SM4/B15-4.75x12	4.75 mm x 12 mm

Order reference	Diameter x Length
M4/B23-4.75x12	4.75 mm x 12 mm
M4/B23-4.75x20	4.75 mm x 20 mm
M4/B23-4.75x25	4.75 mm x 25 mm

Order reference	Diameter x Length
M4/B38-4.75x25	4.75 mm x 25 mm
M4/B38-4.75x40	4.75 mm x 40 mm

Order reference	Diameter x Length
SM4/B38-3x50	3.00 mm x 50 mm

Order reference	Diameter x Length
M4/T38-4.75x25	4.75 mm x 25 mm
M4/T38-4.75x50	4.75 mm x 50 mm



Practical accessories see page 27

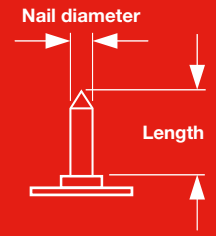
Material

M4 = Galvanized steel
SM4 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

NAILS M5/SM5



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B23

Round head, Ø 23 mm



HEAD SHAPE B30

Round head, Ø 30 mm



HEAD SHAPE B32

Square head, 32 x 32 mm



HEAD SHAPE 38

Rounded corner head, Ø 38 mm



Order reference	Diameter x Length
M5/B23-3x25	3 mm x 25 mm
M5/B23-3x75	3 mm x 75 mm

Order reference	Diameter x Length
SM5/B30-3x100	3 mm x 100 mm

Order reference	Diameter x Length
SM5/B32-3x30	3 mm x 30 mm
SM5/B32-3x60	3 mm x 60 mm
SM5/B32-3x75	3 mm x 75 mm
SM5/B32-3x100	3 mm x 100 mm

Order reference	Diameter x Length
M5/B38-3x25	3 mm x 25 mm

Order reference	Diameter x Length
SM5/B38-3x25	3 mm x 25 mm
SM5/B38-3x50	3 mm x 50 mm
SM5/B38-3x100	3 mm x 100 mm



Practical accessories see page 27

Material

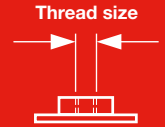
M5 = Galvanized steel
SM5 = Stainless steel

Other variants upon request!

www.kvt-koenig.com



NUTS F1/SF1

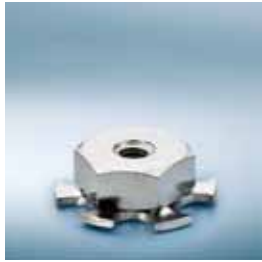


3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B19

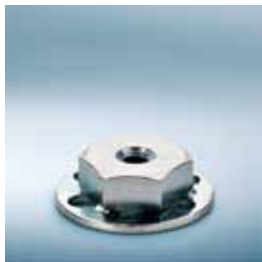
Round head, Ø 19 mm



Order reference	Thread
F1/B19-M4HEX	M4

HEAD SHAPE S20

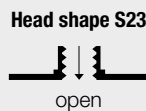
Round head, Ø 20 mm



Order reference	Thread
F1/S20-M4HEX	M4
F1/S20-M6HEX	M6

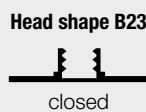
HEAD SHAPE S23/B23

Round head, Ø 23 mm



Order reference	Thread
F1/S23-M4HEX	M4
F1/S23-M6HEX	M6
F1/S23-M8HEX	M8

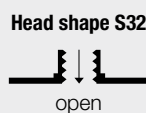
Order reference	Thread
SF1/S23-M4HEX	M4
SF1/S23-M5HEX	M5
SF1/S23-M6HEX	M6



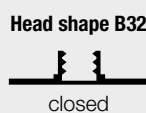
Order reference	Thread
F1/B23-M4HEX	M4
F1/B23-M10HEX	M10

HEAD SHAPE S32/B32

Square head, 32 x 32 mm



Order reference	Thread
SF1/S32-M5HEX	M5
SF1/S32-M6HEX	M6
SF1/S32-M8HEX	M8
SF1/S32-M10HEX	M10
SF1/S32-M12HEX	M12



Order reference	Thread
SF1/B32-M8HEX	M8
SF1/B32-M12HEX	M12

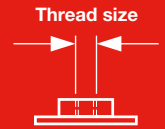
Material

F1 = Galvanized steel
SF1 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

NUTS F1/SF1



3-D DATA: <http://kvt.partcommunity.com>

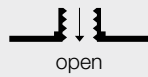
BIGHEAD®

HEAD SHAPE S38/B38

Rounded corner head, Ø 38 mm



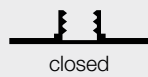
Head shape S38



Order reference	Thread
F1/S38-M6HEX	M6
F1/S38-M8HEX	M8
F1/S38-M10HEX	M10
F1/S38-M12HEX	M12

Order reference	Thread
SF1/S38-M6HEX	M6
SF1/S38-M8HEX	M8
SF1/S38-M12HEX	M12

Head shape B38



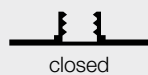
Order reference	Thread
F1/B38-M4HEX	M4
F1/B38-M8HEX	M8
F1/B38-M10HEX	M10

HEAD SHAPE T38/ST38

Rectangular head, 38 x 15 mm

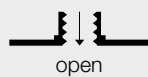


Head shape T38



Order reference	Thread
F1/T38-M6HEX	M6

Head shape ST38

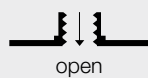


Order reference	Thread
F1/ST38-M4HEX	M4
F1/ST38-M5HEX	M5
F1/ST38-M6HEX	M6
F1/ST38-M8HEX	M8
F1/ST38-M10HEX	M10

Order reference	Thread
SF1/ST38-M3HEX	M3
SF1/ST38-M4HEX	M4
SF1/ST38-M5HEX	M5
SF1/ST38-M6HEX	M6
SF1/ST38-M8HEX	M8
SF1/ST38-M10HEX	M10

HEAD SHAPE S58

Square head, 58 x 58 mm



Order reference	Thread
F1/S58-M8HEX	M8
F1/S58-M12HEX	M12

Order reference	Thread
SF1/S58-M12HEX	M12

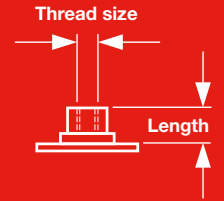
Material

F1 = Galvanized steel
SF1 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

THREADED STAND-OFFS F2/SF2



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B19/S19

Round head, Ø 19 mm



Head shape B19



closed

Order reference	Thread × Length
F2/B19-M6x10	M6 x 10 mm
F2/B19-M6x22	M6 x 22 mm
F2/B19-M8x10	M8 x 10 mm

Head shape S19



open

Order reference	Thread × Length
F2/S19-M5x10	M5 x 10 mm

HEAD SHAPE B20/S20

Round head, Ø 20 mm



Head shape B20



closed

Order reference	Thread × Length
F2/B20-M6x10	M6 x 10 mm

Order reference	Thread × Length
SF2/B20-M5x10	M5 x 10 mm

Head shape S20



open

Order reference	Thread × Length
F2/S20-M4x5	M4 x 5 mm
F2/S20-M6x10	M6 x 10 mm
F2/S20-M6x22	M6 x 22 mm

HEAD SHAPE B23/S23

Round head, Ø 23 mm



Head shape B23



closed

Order reference	Thread × Length
F2/B23-M6x10	M6 x 10 mm
F2/B23-M6x14	M6 x 14 mm
F2/B23-M6x16	M6 x 16 mm
F2/B23-M8x10	M8 x 10 mm
F2/B23-M8x14	M8 x 14 mm
F2/B23-M10x14	M10 x 14 mm

Order reference	Thread × Length
SF2/B23-M4x10	M4 x 10 mm
SF2/B23-M6x15	M6 x 15 mm
SF2/B23-M8x15	M8 x 15 mm
SF2/B23-M8x20	M8 x 20 mm
SF2/B23-M10x20	M10 x 20 mm

Head shape S23



open

Order reference	Thread × Length
F2/S23-M6x10	M6 x 10 mm
F2/S23-M6x16	M6 x 16 mm
F2/S23-M8x10	M8 x 10 mm
F2/S23-M10x14	M10 x 14 mm

Order reference	Thread × Length
SF2/S23-M4x5	M4 x 5 mm
SF2/S23-M5x5	M5 x 5 mm
SF2/S23-M5x10	M5 x 10 mm
SF2/S23-M6x5	M6 x 5 mm
SF2/S23-M6x10	M6 x 10 mm
SF2/S23-M6x20	M6 x 20 mm
SF2/S23-M10x20	M10 x 20 mm

Material

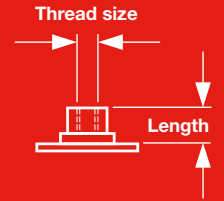
F2 = Galvanized steel

SF2 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

THREADED STAND-OFFS F2/SF2



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B32/S32

Square head, 32 x 32 mm



Head shape B32



Order reference	Thread × Length
SF2/B32-M4x10	M4 x 10 mm
SF2/B32-M5x10	M5 x 10 mm
SF2/B32-M6x10	M6 x 10 mm
SF2/B32-M6x15	M6 x 15 mm
SF2/B32-M6x20	M6 x 20 mm
SF2/B32-M8x10	M8 x 10 mm
SF2/B32-M8x15	M8 x 15 mm
SF2/B32-M8x20	M8 x 20 mm

Head shape S32



Order reference	Thread × Length
SF2/S32-M4x5	M4 x 5 mm
SF2/S32-M6x10	M6 x 10 mm
SF2/S32-M6x15	M6 x 15 mm
SF2/S32-M6x20	M6 x 20 mm
SF2/S32-M8x6	M8 x 6 mm
SF2/S32-M8x10	M8 x 10 mm
SF2/S32-M8x15	M8 x 15 mm
SF2/S32-M8x20	M8 x 20 mm
SF2/S32-M10x20	M10 x 20 mm

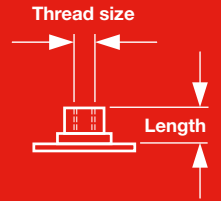
Material

F2 = Galvanized steel
SF2 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

THREADED STAND-OFFS F2/SF2



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE B38/S38

Rounded corner head, Ø 38 mm



Head shape B38



Order reference	Thread × Length
F2/B38-M4x10	M4 x 10 mm
F2/B38-M6x10	M6 x 10 mm
F2/B38-M6x16	M6 x 16 mm
F2/B38-M8x10	M8 x 10 mm
F2/B38-M8x14	M8 x 14 mm
F2/B38-M8x16	M8 x 16 mm
F2/B38-M8x22	M8 x 22 mm
F2/B38-M10x10	M10 x 10 mm
F2/B38-M10x14	M10 x 14 mm
F2/B38-M10x22	M10 x 22 mm

Order reference	Thread × Length
SF2/B38-M4x10	M4 x 10 mm
SF2/B38-M8x10	M8 x 10 mm
SF2/B38-M8x15	M8 x 15 mm

Head shape S38



Order reference	Thread × Length
F2/S38-M6x14	M6 x 14 mm
F2/S38-M8x10	M8 x 10 mm
F2/S38-M8x14	M8 x 14 mm
F2/S38-M10x10	M10 x 10 mm
F2/S38-M10x22	M10 x 22 mm

Order reference	Thread × Length
SF2/S38-M6x10	M6 x 10 mm
SF2/S38-M6x22	M6 x 22 mm
SF2/S38-M8x20	M8 x 20 mm

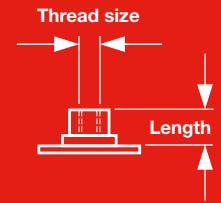
Material

F2 = Galvanized steel
SF2 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

THREADED STAND-OFFS F2/SF2



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HEAD SHAPE T38/ST38

Rectangular head, 38 x 15 mm



Head shape T38



Order reference	Thread × Length
F2/T38-M6x5	M6 x 5 mm
F2/T38-M6x12	M6 x 12 mm
F2/T38-M6x16	M6 x 16 mm
F2/T38-M6x22	M6 x 22 mm
F2/T38-M8x10	M8 x 10 mm
F2/T38-M8x22	M8 x 22 mm
F2/T38-M10x14	M10 x 14 mm
F2/T38-M10x19	M10 x 19 mm

Order reference	Thread × Length
SF2/T38-M6x10	M6 x 10 mm
SF2/T38-M6x15	M6 x 15 mm
SF2/T38-M6x20	M6 x 20 mm
SF2/T38-M6x22	M6 x 22 mm
SF2/T38-M8x10	M8 x 10 mm
SF2/T38-M8x20	M8 x 20 mm

Head shape ST38

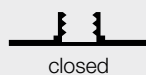


Order reference	Thread × Length
F2/ST38-M4x5	M4 x 5 mm
F2/ST38-M5x5	M5 x 5 mm
F2/ST38-M5x10	M5 x 10 mm
F2/ST38-M6x5	M6 x 5 mm
F2/ST38-M6x10	M6 x 10 mm
F2/ST38-M6x14	M6 x 14 mm
F2/ST38-M6x16	M6 x 16 mm
F2/ST38-M8x14	M8 x 14 mm

Order reference	Thread × Length
SF2/ST38-M4x5	M4 x 5 mm
SF2/ST38-M4x10	M4 x 10 mm
SF2/ST38-M5x5	M5 x 5 mm
SF2/ST38-M5x10	M5 x 10 mm
SF2/ST38-M6x5	M6 x 5 mm
SF2/ST38-M6x10	M6 x 10 mm
SF2/ST38-M6x15	M6 x 15 mm
SF2/ST38-M8x6	M8 x 6 mm
SF2/ST38-M8x10	M8 x 10 mm
SF2/ST38-M8x15	M8 x 15 mm
SF2/ST38-M10x10	M10 x 10 mm

HEAD SHAPE B58

Square head, 58 x 58 mm



Order reference	Thread × Length
SF2/B58-M6x15	M6 x 15 mm

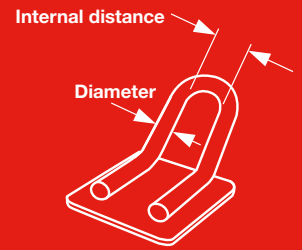
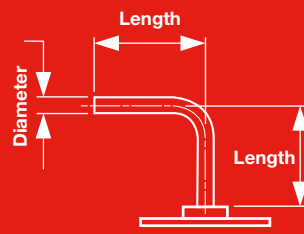
Material

F2 = Galvanized steel
SF2 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

HOOKS M6/SM6 ARCS M7/SM7, M8/SM8



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

HOOKS

Square head, 32 x 32 mm



ARCS

Square head,
32 x 32 mm, angle 45°



ARCS

Square head,
32 x 32 mm, angle 45°



ARCS

Square head,
32 x 32 mm, angle 90°



Order reference	Diameter / Length
M6-25x25	4.75 / 25 x 25 mm

Order reference	Diameter / Length
SM6-25x25	4.75 / 25 x 25 mm

Order reference	Diameter / Internal distance
M7-45° Loop	4.75 / 12.25 mm

Order reference	Diameter / Internal distance
SM7-45° Loop	4.75 / 12.25 mm

Order reference	Diameter / Internal distance
M7-45°-19 Loop	4.75 / 19 mm

Order reference	Diameter / Internal distance
SM7-45°-19 Loop	4.75 / 19 mm

Order reference	Diameter / Internal distance
M8-90° Loop	4.75 / 12.25 mm

Order reference	Diameter / Internal distance
SM8-90° Loop	4.75 / 12.25 mm

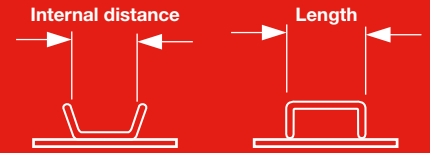
Material

M6/M7/M8 = Galvanized steel
SM6/SM7/SM8 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

CABLE BRACKETS SB32, B38/SB38



3-D DATA: <http://kvt.partcommunity.com>

BIGHEAD®

CABLE BRACKETS

Square head, 32 x 32 mm

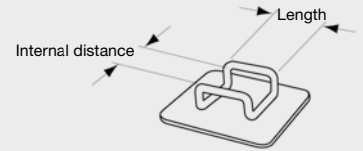


CABLE BRACKETS

Rounded corner head, Ø 38 mm

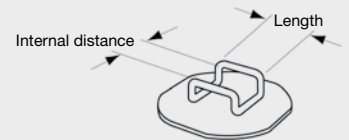


Order reference	Fixtures sizes
SB32-CableTyráp-12	16 x 12 mm



Order reference	Fixtures sizes
B38-CableTyráp-12	16 x 12 mm

Order reference	Fixtures sizes
SB38-CableTyráp-12	16 x 12 mm



Material

B38 = Galvanized steel
 SB32/SB38 = Stainless steel

Other variants upon request!

www.kvt-koenig.com

SPECIAL SOLUTIONS

bigHead® products are used in many fields.

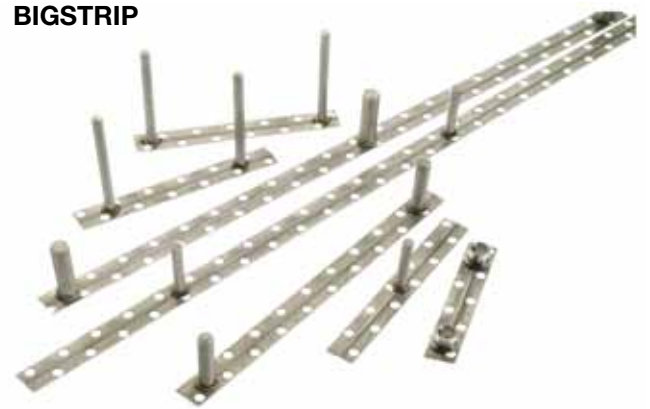
Our customers rely not only on our standard range, but also on individual and special solutions, like special clips, clamps or structures such as BIGSTRIP, BIGRING etc.

These parts are not included in the standard product range and are manufactured only upon the customer's request.

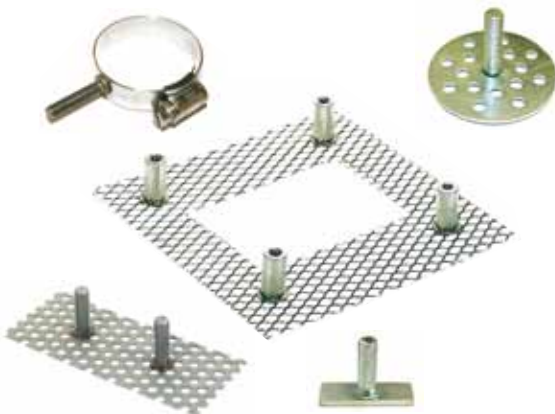
BIGRING



BIGSTRIP



JUBILEE CLIP, MESH, PERF, etc.



SHELL SET



TWINDISK® THREADED BOLTS/THREADED STAND-OFFS

Special fasteners for setting fixing points in lightweight construction.

Benefits

- › Transmission of forces to the outer layers
- › Very high shear resistance
- › Variable thicknesses and head diameters
- › Made of stainless steel or galvanized steel

For a selection table with the manufacturing options, please see www.kvt-koenig.com

› Go to products › bigHead® Fasteners › Technical data

Available upon request!



APPLICATION EXAMPLES



POPPIT® FASTENERS

The Poppit® fastening system guarantees quick and efficient installation and removal of panels, wall and ceiling covers and panels.

- › No mounting holes required
- › Fixing by perfect clicking technique
- › Currently available in 2 sizes
- › BIG BOND adhesive and BIG BOND auto-adhesive pads for optimal material fixing
- › Quick and easy installation / removal
- › **Poppit® Fasteners with 20 mm diameter withstand vertical tensile forces of 2.5 kg, with 30 mm diameter 5.0 kg.**



POPPIT®

Galvanized steel

Order reference	Disk Diameter
PP20/20-5	20 mm
PP30/30-6	30 mm

POPPIT®

Stainless steel

Order reference	Disk Diameter
SPP20/20-5	20 mm
SPP30/30-6	30 mm



SCREW POPPIT®

Stainless steel, with self-drilling screw

Order reference	Disk Diameter
SPP20/20-5 SD Screw	20 mm
SPP30/30-6 SD Screw	30 mm

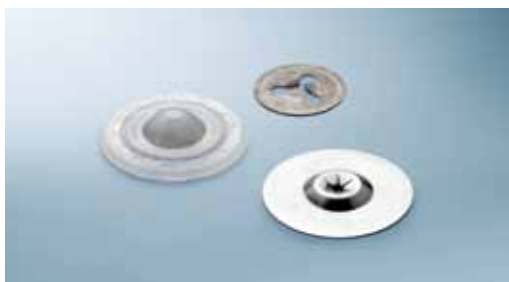
SCREW POPPIT®

Stainless steel, with self-tapping screw

Order reference	Disk Diameter
SPP20/20-5 ST Screw	20 mm
SPP30/30-6 ST Screw	30 mm

Important: Pads and adhesive must each be ordered separately!
See pages 28 – 29

ACCESSORIES



SPRING CLIPS

Stainless steel

- › For installation with M4/SM4 pin and M5/SM5 nail
- › Fixing aid for pins and nails

Order reference	Description
S3-4.75	4.75 mm Ø-Thread / 25.5 mm Ø-Disk
S3E-3 (encapsulated)	3.00 mm Ø-Thread / 39.0 mm Ø-Disk
S3E-4.75 (encapsulated)	4.75 mm Ø-Thread / 39.0 mm Ø-Disk
S6-2.65	2.65 mm Ø-Thread / 39.0 mm Ø-Disk
S6-3	3.00 mm Ø-Thread / 39.0 mm Ø-Disk



NAIL PROTECTION CAP

Order reference	Description
3 mm nail tips	3 mm Ø (standard length 9.5 mm)



PROTECTIVE COVER FOR BIGHEADS WITH MALE THREAD

Order reference	Description
M4x25S	M4 x 25 mm / White
M4x50S	M4 x 50 mm / White
M5x25S	M5 x 25 mm / Green
M5x50S	M5 x 50 mm / Green
M6x25S	M6 x 25 mm / Transparent
M6x50S	M6 x 5 mm / Transparent
M6x75S	M6 x 75 mm / Transparent
M8x25S	M8 x 25 mm / Blue
M8x50S	M8 x 50 mm / Blue
M8x75S	M8 x 75 mm / Blue
M10x25S	M10 x 25 mm / Yellow
M10x50S	M10 x 50 mm / Yellow
M10x75S	M10 x 75 mm / Yellow

POPPIT® CEILING INSTALLATION ARM

Order reference	Description
Installation arm	min. 1.15 m to max. 2.90 m length

BIG BOND ADHESIVE



BBF05



BIG BOND ADHESIVE HIGH GRAB

For all bigHead® Fasteners

Advantages and application areas

- › One-component adhesive
- › Adhesion to porous surfaces such as concrete, bricks, plastics, metals, glass, etc.
- › Excellent weather resistance, color stable, UV resistance
- › High flexibility – ability to move up to 25 %
- › Non-flammable
- › High water resistance

Order reference	Description
BBF01	High Grab Adhesive (290 ml)
BBF05	Dispensing Gun for BBF01
BBF09	Spare nozzles for BBF01



BBF06



BIG BOND FS ACRYLIC ADHESIVE

For all bigHead® Fasteners

Advantages and application areas

- › Two-component adhesive, high viscosity
- › For aluminum, steel, PVC, ABS, polycarbonate, composite materials, etc.
- › High peel strength (even with large gaps)
- › Very good resistance to solvents

Order reference	Description
BBF03	FS Acrylic Adhesive (50 ml)
BBF04	FS Acrylic Adhesive (400 ml)
BBF06	Dispensing Gun for BBF03
BBF07	Dispensing Gun for BBF04
BBF10	Spare nozzles for BBF03
BBF11	Spare nozzles for BBF04



BBF07

BIG BOND ACTIVATOR (250 ml)

Order reference	Description
BBF12	Activator (250 ml)

BIG BOND ADHESIVE



BIG BOND ADHESIVE PU FAST SET

For all bigHead® Fasteners

Advantages and application areas

- › Polyurethane-based two-component adhesive with fast response time
- › For plastics (ABS, PVC, thermosetting plastics), metals, ceramics, concrete, wood, other building materials
- › Color change in strong sunlight



BBF06

Order reference	Description
BBF02	PU Fast Set Adhesive (50 ml)
BBF06	Dispensing Gun for BBF02
BBF10	Spare nozzles for BBF02



BIG BOND SELF-ADHESIVE PADS

Specifically for Poppit® Fastener System

Advantages and application areas

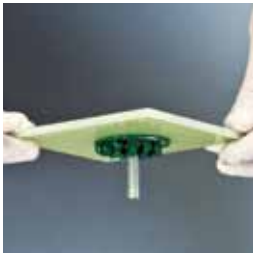
- › Simple and easy use with Poppit®
- › High strength after only 5 seconds
- › Suitable for applications with vibrations

Order reference	Description
BBF20	Pad size 20 mm
BBF30	Pad size 30 mm

TECHNICAL DATA BIG BOND KLEBER

Properties	PU Fast Set	FS Acrylic	High Grab	Poppit® Pads
Processing time	45 – 60 sec	4 min	15 – 20 min	1 min
Fixturing time	90 sec	15 min	30 – 90 min	0 min
Final strength	24 hrs	24 hrs	24 hrs	24 hrs
Processing & storage temp.	15°C to 25°C	8°C to 25°C	8°C to 25°C	8°C to 25°C
Performance temperature range	-40°C to +80°C	-40°C to +180°C	-40°C to +90°C	-20°C to +80°C
Odor	weak	intense	weak	weak
UV resistance	high	high	high	high
Water resistance	very high	medium	medium	high
Elasticity	medium	none	high	medium
Shelf life	9 months	9 months	12 months	12 months

3M SCOTCH-WELD™



3M SCOTCH-WELD™ 7271 B / A

Hybrid structural adhesive

Advantages and application areas

- › Hardens quickly
- › High viscosity
- › Gap filling
- › General purpose, compatible with most materials
- › Low odor

200 ml Size

Order reference	Description
FS 9100 5180 4	3M Scotch-Weld™ 7271 B / A Hybrid structural adhesive 200 ml
XS 0034 9069 4	EPX-Dispensing gun 200 ml cartridge
DE 2729 2973 3	Mixing nozzles for 200 ml cartridge

400 ml Size

Order reference	Description
FS 9100 5186 1	3M Scotch-Weld™ 7271 B / A Hybrid structural adhesive 400 ml
DE 2729 2972 5	EPX-Dispensing gun 400 ml cartridge
XS 0034 0135 2	EPX Air-pressure dispensing gun 400 ml
XS 0034 0136 0	Mixing nozzles for 400 ml cartridge

TECHNICAL DATA

Properties	3M Scotch-Weld™ 7271 B / A
Processing time	12 min
Fixturing time	60 min
Final strength	48 hrs (full curing at room temperature after 5 days)
Processing & storage temp.	15°C to 25°C
Performance temperature range	-40°C to + 120°C
Odor	weak
UV resistance	high
Water resistance	medium
Shelf life	12 months

KVT FASTENING SOLUTIONS



› KOENIG-expander® sealing plugs



› POP® blind rivets



› FILKO® blind rivet nuts



› HUCK® heavy duty rivets and retaining ring bolts



› Quick fastening elements



› PEM® self-clinching fasteners



› Self-locking nuts



› Precisko® lockable precision slotted nuts



› Southco® access hardware



› Tappex® thread inserts for plastics and light metals



› bigHead® fasteners



› Wire thread and thread inserts



› Ball lock pins with spring plungers



› miniBOOSTER® oscillating boosters

FASTENING SOLUTIONS FOR COMPLEX FIELDS OF APPLICATION

The comprehensive range of KVT products ensures that you will find the best solution for every challenge. The products presented here represent only part of our entire portfolio.

Upon request, we will be pleased to provide additional information material or personal advice. Feel free to contact us!

Find out more about our range of products and place your orders at our e-shop

› www.kvt-koenig.com