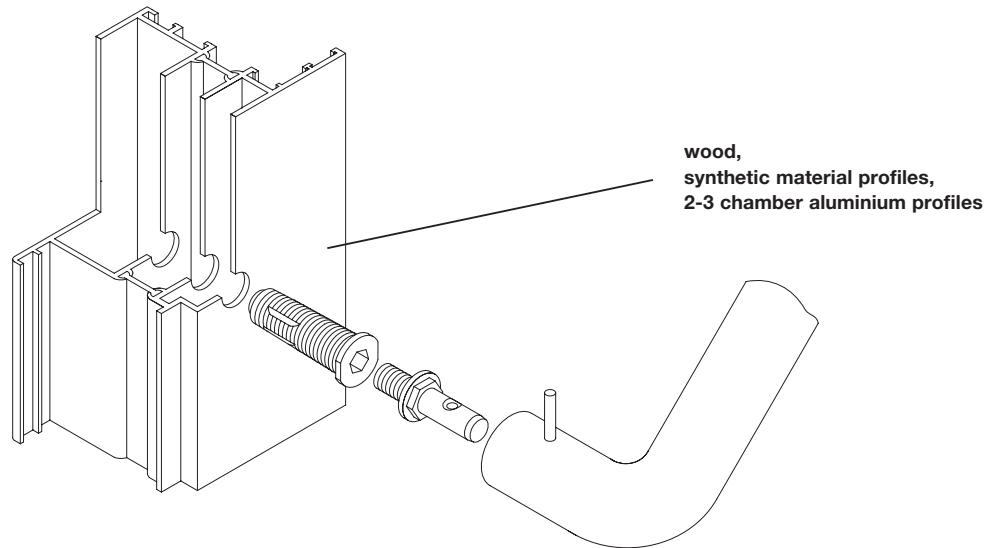
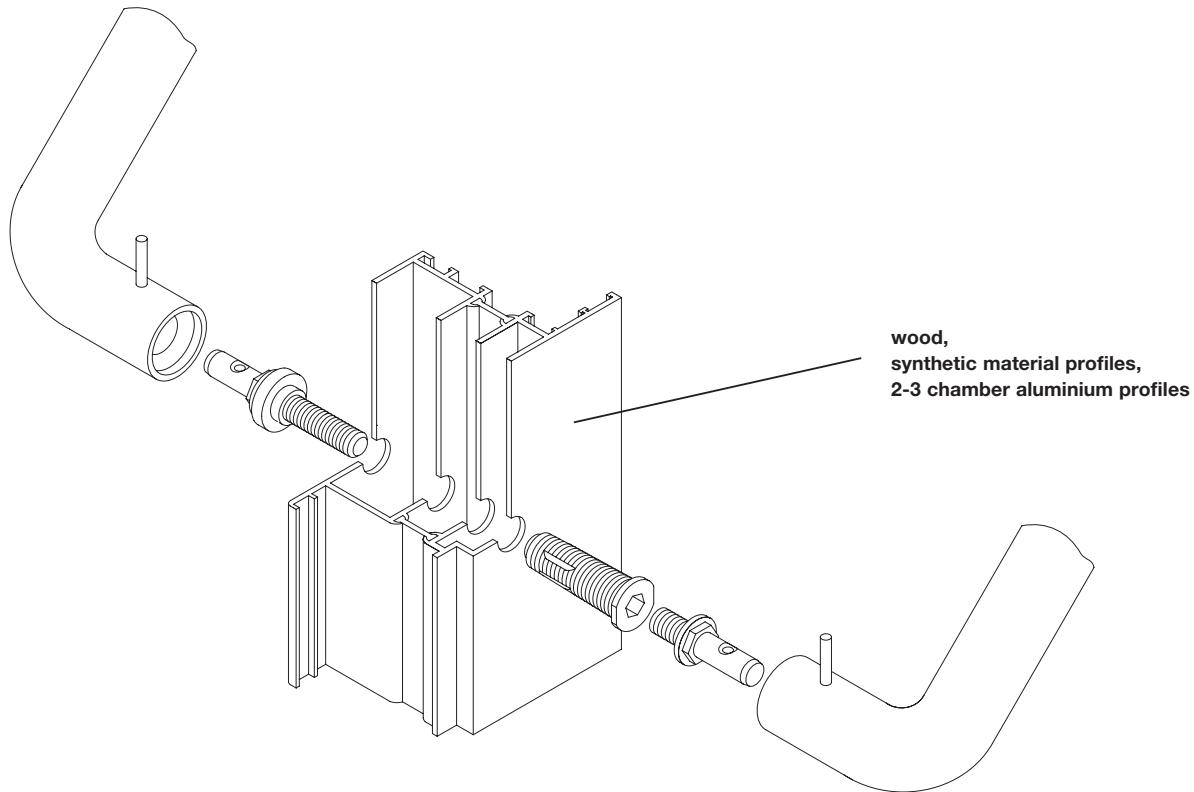


One-sided installation



Installation per pair



Technical information for:**Pull handles and fixing concepts**

The system is equally suitable for wooden doors, synthetic material profiles, steel profiles and aluminium profiles, too.

The heart of the new fixing system is the BA5.1 fixing sleeve.

Advantages

- one fixing system for 3 materials (wood, synthetic material, metal)
- storage space is reduced due to the use of only a few components
- easy and fast installation
- only perforated handle elements
- modular system
- high durability (alternating load of 100 kg for wood and aluminium, or of 50 kg for synthetic material)
- no deformation (denting) of the profiles
- customised packaging: packaging unit one, two or ten pieces etc.

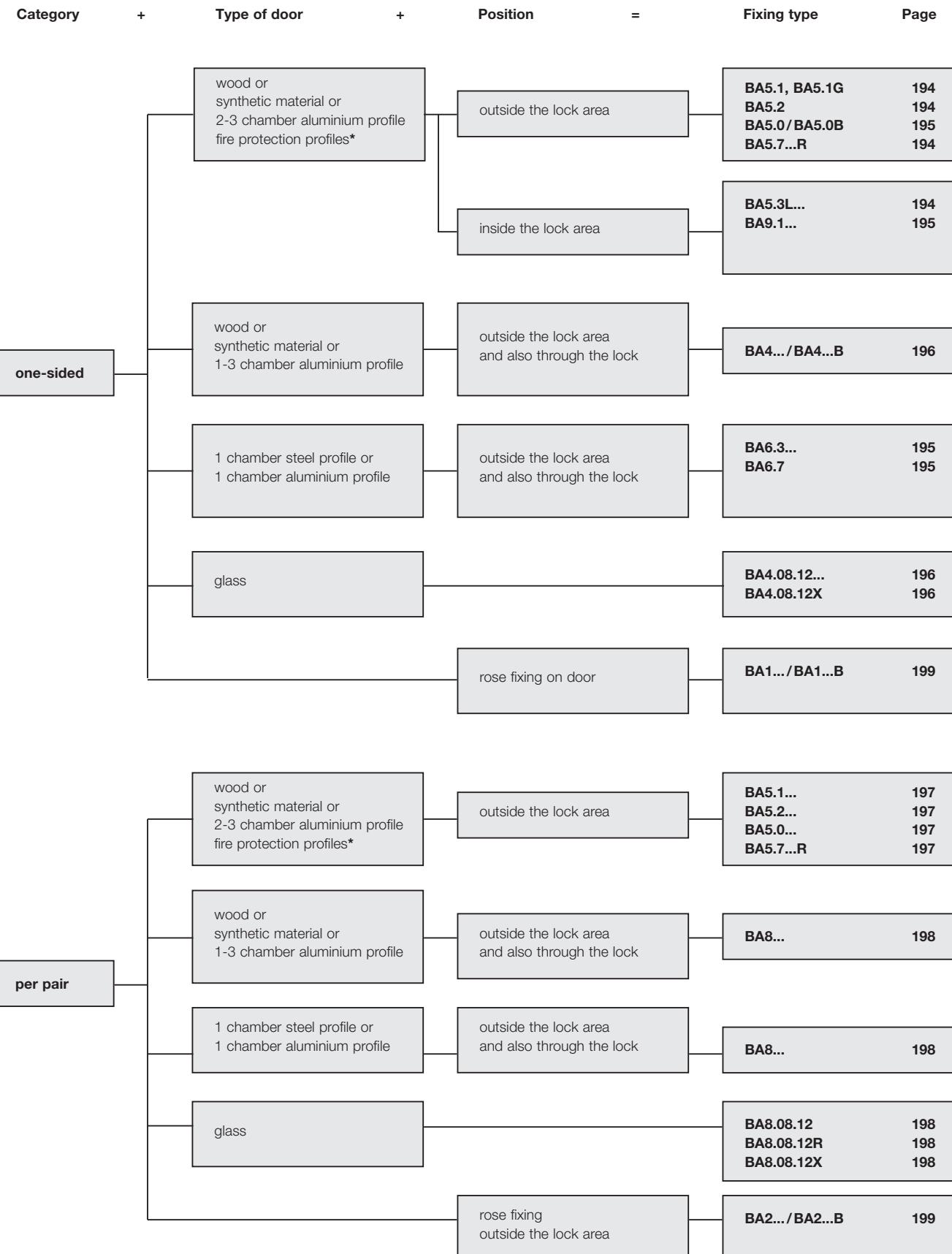
The heart of the fixing system

Heart of the BA5.1 fixing system is the fixing sleeve of surface-hardened steel, which, by means of its special thread, can be fitted with a lasting and secure grip to wood, synthetic material, steel and aluminium profiles. It covers 90% of all potential applications.

Fixing sleeve

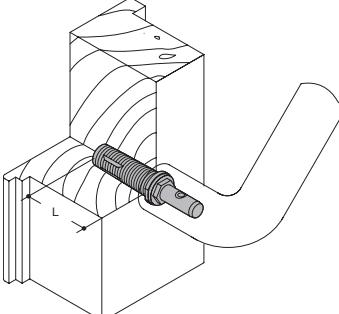
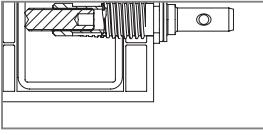
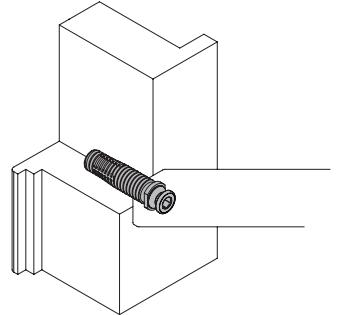
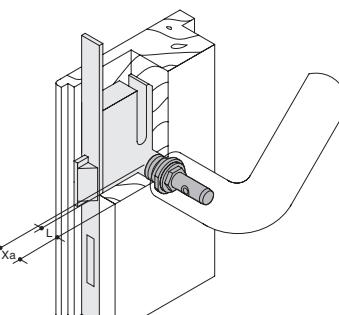
		Indication of						
Allocation of fixing systems to pull handles	Fixing type	Pull handles with straight supports	Pull handles with inclined supports	Colour/ surface finish required	Door thickness required	Drill hole	for polyamide pull handles	for stainless steel pull handles
one-sided	BA5.1, BA5.1G	X				14	X	X
	BA5.1R, BA5.1GR		X			14	X	
	BA5.2	X				14	X	X
	BA5.2R		X			14	X	
	BA5.3L...	X				14	X	X
	BA5.3L...R		X			14	X	
	BA5.0/BA5.0B	X		X		14	X	
	BA5.7.1R, BA5.7.2R, BA5.7.3L...R		X			12		X
	BA6.3...					8/M8	X	X
	BA6.3...R		X			8/M8	X	
	BA6.7	X				14	X	X
	BA6.7R		X			14	X	
	BA9.1...	X				14	X	X
	BA4.08.12 (glass)	X				18	X	
	BA4.08.12X.. (glass)	X				14		X
per pair	BA4...	X		X	X	12	X	X
	BA4...R		X	X	X	12	X	
	BA1...	X		X			X	
	BA5.1...	X			X	14	X	X
	BA5.1...R		X		X	14	X	
	BA5.2...	X			X	14	X	X
	BA5.2...R		X		X	14	X	
	BA5.0...	X		X	X	14	X	
	BA5.7...R		X			12		X
	BA8.08.12 (glass)	X				18	X	

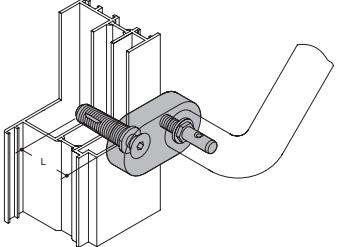
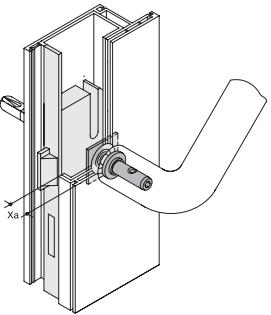
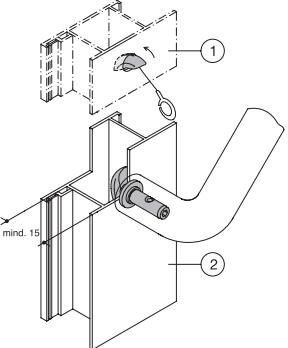
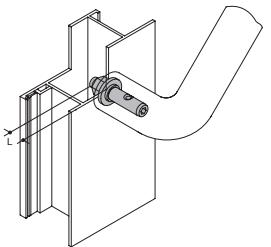
→ Mounting instructions / framed doors **from page 200**



* Fire protection profiles made of steel, stainless steel or aluminium. Please note the valid fire protective regulations according to European and German Standard/Regulation. Hotline +49 5691 82-300 or international@hewi.com

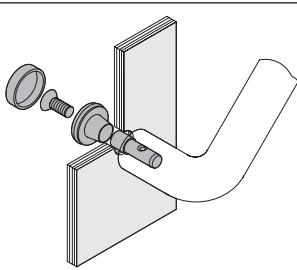
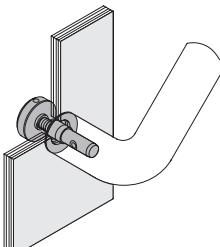
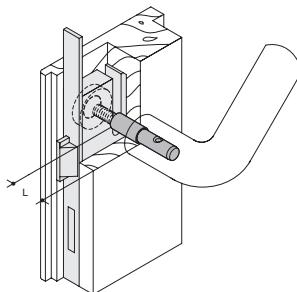
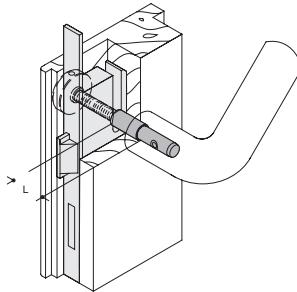
→ HEWI Renovation solution for stainless steel handles **p. 198**

Item number	Specification
	<p>HEWI Fixing type 5.1.../5.2...</p> <ul style="list-style-type: none"> for securing handles on one side to solid wood, synthetic material and 2 to 3-chamber aluminium sections, fire protection profiles made of steel, stainless steel or aluminium drill hole in door \varnothing 14 mm dimension L = 46 mm, door thickness from 50 mm do., for pull handle 33.2070S/33.2070BS do., with grub screw for additional anchoring in metal reinforcement of the synthetic material profile (see detail) do., for pull handle 33.2070S/33.2070BS
BA5.1 BA5.1R BA5.1G	
BA5.1GR	
BA5.2 BA5.2R	
	<p>Tools required</p> <ul style="list-style-type: none"> open jawed spanner AF13 / AF19 hexagonal spanner AF10 / AF6 (at ...R)
	<p>HEWI Fixing type 5.7...</p> <ul style="list-style-type: none"> for securing handles on one side to solid wood, synthetic material and 2 to 3-chamber aluminium sections, fire protection profiles made of steel, stainless steel or aluminium drill hole in door \varnothing 12 mm dimension L = 46 mm, door thickness from 50 mm for pull handle 160X3000G7 dimension L = 32,5 mm, door thickness 40-50 mm, for pull handle 160X3000G7
BA5.7.1R	
BA5.7.2R	
	<p>Tools required</p> <ul style="list-style-type: none"> open jawed spanner AF13 hexagonal spanner AF6 / AF8
	<p>HEWI Fixing type 5.3L... / 5.7.3L...</p> <ul style="list-style-type: none"> for securing handles on one side to solid wood, synthetic material and 2 to 3-chamber aluminium sections, fire protection profiles made of steel, stainless steel or aluminium inside the lock area drill hole in door \varnothing 14 mm dim. L = 16 mm, dim. Xa min. 18 mm, drill hole in door \varnothing 14 mm dim. L = 31 mm, dim. Xa min. 33 mm, drill hole in door \varnothing 14 mm do., for pull handle 33.2070S/33.2070BS
BA5.3L16 to BA5.3L31	
BA5.3L...R	
BA5.7.3L...R	
	<p>Tools required</p> <ul style="list-style-type: none"> open jawed spanner AF13 / AF19 hexagonal spanner AF10 / AF6 (at ...R) dim. L = 16 mm, dim. Xa min. 18 mm, drill hole in door \varnothing 12 mm dim. L = 31 mm, dim. Xa min. 33 mm, drill hole in door \varnothing 12 mm for pull handle 160X3000G7
	<p>Tools required</p> <ul style="list-style-type: none"> open jawed spanner AF13 hexagonal spanner AF6 / AF8
	<p>Mounting instructions</p> <p>Length dimension: dimension Xa - 2 mm = dimension L. As the mounting sleeve does not have any cutting edges, the securing drill hole with sleeve 5.1/5.2 must be rough-cut. The second securing point should feature BA5.1/BA5.2 for stability reasons.</p>
	<p>→ Explanation on dimension Xa page 211 → One-sided rose fixing page 199</p>

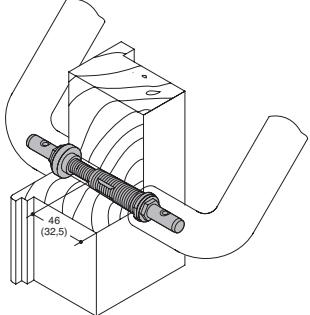
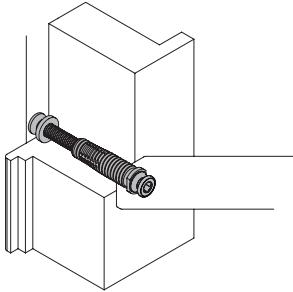
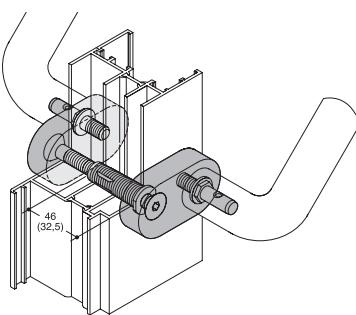
Item number	Specification
	<p>HEWI Fixing type 5.0</p> <ul style="list-style-type: none"> for securing handles on one side to solid wood, synthetic material and 2 to 3-chamber aluminium sections, fire protection profiles made of steel, stainless steel or aluminium drill hole in door \varnothing 14 mm dimension L = 46 mm, door thickness from 50 mm do., for pull handles made of matt polyamide <p>Please advise colour when ordering.* Rose fixing: height of handle + 18 mm</p> <p>A safety distance of 25 mm to the closing edge is ensured according to accident prevention regulations for schools GUV – VS 1 and guidelines for kindergartens – construction and equipment GUV – SR 2002</p> <p>Tools required</p> <ul style="list-style-type: none"> hexagonal spanner AF6 and AF10, open jawed spanner AF19
	<p>HEWI Fixing type 9.1...</p> <ul style="list-style-type: none"> for securing handles on one side to solid wood, synthetic material and 2 to 3-chamber aluminium sections, fire protection profiles made of steel, stainless steel or aluminium drill hole in door \varnothing 14 mm dimension Xa 15-20 mm dimension Xa 18-23 mm <p>Tools required</p> <ul style="list-style-type: none"> hexagonal spanner AF6 <p>Mounting instructions</p> <p>The lock case needs to be removed in order to insert the mounting sleeve. The second securing point should feature BA5.1 or BA5.2 for stability reasons.</p>
	<p>HEWI Fixing type 6.7</p> <ul style="list-style-type: none"> for one-sided fixing on profile doors drill hole in door \varnothing 14 mm do., for pull handle 33.2070S / 33.2070BS <p>Tools required</p> <ul style="list-style-type: none"> hexagonal spanner AF6 <p>Mounting instructions</p> <p>Min. 15 mm clearance must be maintained between the first and second wall when mounting the push-in nut.</p>
	<p>HEWI Fixing type 6.3...</p> <ul style="list-style-type: none"> for one-sided fixing on metal or profile doors supplied without blind rivet nut or hexagon nut M8 <p>dimension L</p> <p>25 mm 35 mm 60 mm</p> <p>do., for pull handle 33.2070S / 33.2070BS</p> <p>Tools required</p> <ul style="list-style-type: none"> hexagonal spanner AF6 <p>Mounting instructions</p> <p>Using on metal: thread in door = M8 x length of screw. Using on sections with blind rivet nut: drill hole in door = depending on the exterior dimension of the nut, rivet flush. Using on sections with hexagon nut: drill hole in door = \varnothing 8 mm.</p>

* Available polyamide colours Matt polyamide

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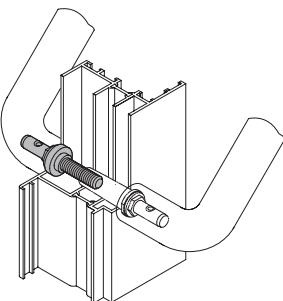
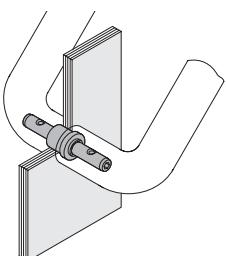
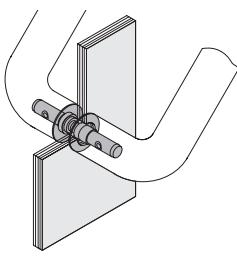
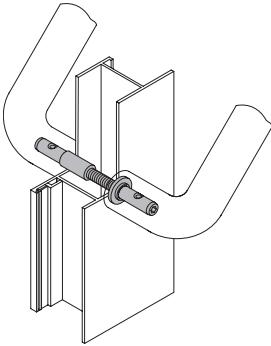
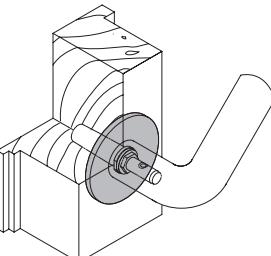
Item number	Specification																						
	<p>BA4.08.12* BA4.08.12B*</p> <p>HEWI Fixing type 4.08.12 for pull handles made of polyamide HEWI Fixing type 4.08.12 for pull handles made of matt poly.</p> <ul style="list-style-type: none"> for rear-mounting of handle to glass using a blind rose fitting ø 33 mm drill hole in door ø 18 mm <p>Please advise colour when ordering.*</p> <p>Tools required</p> <ul style="list-style-type: none"> hexagonal spanner AF5 																						
	<p>BA4.08.12XA** BA4.08.12XA3R</p> <p>HEWI Fixing type 4.08.12XA for pull handles made of st. steel</p> <ul style="list-style-type: none"> for rear-mounting of handle to glass using a blind rose fitting drill hole in door ø 14 mm do., for pull handle 160X3000G7 <p>Tools required</p> <ul style="list-style-type: none"> hook wrench <p>Please indicate diameter** when ordering.</p>																						
	<p>HEWI Fixing type 4... for pull handles made of polyamide</p> <ul style="list-style-type: none"> for rear-mounting of handle to solid wood, plastic and 1 to 3-chamber aluminium sections using a blind rose fitting ø 33 mm drill hole in door ø 12 mm, dimension L = insert depth <p>Please advise colour when ordering.*</p> <p>Tools required</p> <ul style="list-style-type: none"> hexagonal spanner AF5 <p>Mounting instructions</p> <p>can also be used for securing using mortice locks.</p>																						
<p>for pull handles, polyamide</p> <p>BA4.12.20* BA4.20.30* BA4.30.40* BA4.40.50* BA4.50.60* BA4.60.70* BA4.70.80* BA4.80.90* BA4...R*</p>	<p>for pull handles, matt polyamide</p> <p>BA4.12.20B* BA4.20.30B* BA4.30.40B* BA4.40.50B* BA4.50.60B* BA4.60.70B* BA4.70.80B* BA4.80.90B* BA4...RB*</p> <table> <thead> <tr> <th>dimension L</th> <th>door thickness</th> </tr> </thead> <tbody> <tr> <td>6 mm</td> <td>12-20 mm</td> </tr> <tr> <td>6 mm</td> <td>20-30 mm</td> </tr> <tr> <td>6 mm</td> <td>30-40 mm</td> </tr> <tr> <td>6 mm</td> <td>40-50 mm</td> </tr> <tr> <td>16 mm</td> <td>50-60 mm</td> </tr> <tr> <td>16 mm</td> <td>60-70 mm</td> </tr> <tr> <td>16 mm</td> <td>70-80 mm</td> </tr> <tr> <td>16 mm</td> <td>80-90 mm</td> </tr> <tr> <td>do., for pull handle 33.2070S/33.2070BS</td> <td></td> </tr> </tbody> </table>	dimension L	door thickness	6 mm	12-20 mm	6 mm	20-30 mm	6 mm	30-40 mm	6 mm	40-50 mm	16 mm	50-60 mm	16 mm	60-70 mm	16 mm	70-80 mm	16 mm	80-90 mm	do., for pull handle 33.2070S/33.2070BS			
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do., for pull handle 33.2070S/33.2070BS																							
	<p>HEWI Fixing type 4...XA for pull handles made of stainless steel</p> <ul style="list-style-type: none"> for rear-mounting of handle to solid wood, synthetic material and 2 to 3-chamber aluminium sections drill hole in door ø 12 mm, dimension L = insert depth <table> <thead> <tr> <th>dimension L</th> <th>door thickness</th> </tr> </thead> <tbody> <tr> <td>6 mm</td> <td>12-20 mm</td> </tr> <tr> <td>6 mm</td> <td>20-30 mm</td> </tr> <tr> <td>6 mm</td> <td>30-40 mm</td> </tr> <tr> <td>6 mm</td> <td>40-50 mm</td> </tr> <tr> <td>16 mm</td> <td>50-60 mm</td> </tr> <tr> <td>16 mm</td> <td>60-70 mm</td> </tr> <tr> <td>16 mm</td> <td>70-80 mm</td> </tr> <tr> <td>16 mm</td> <td>80-90 mm</td> </tr> <tr> <td>do., available for door thickness 12-80 mm</td> <td></td> </tr> <tr> <td>for pull handle 160X3000G7</td> <td></td> </tr> </tbody> </table> <p>Tools required</p> <ul style="list-style-type: none"> hook wrench <p>Mounting instructions</p> <p>can also be used for securing using mortice locks.</p> <p>Please indicate diameter** when ordering.</p>	dimension L	door thickness	6 mm	12-20 mm	6 mm	20-30 mm	6 mm	30-40 mm	6 mm	40-50 mm	16 mm	50-60 mm	16 mm	60-70 mm	16 mm	70-80 mm	16 mm	80-90 mm	do., available for door thickness 12-80 mm		for pull handle 160X3000G7	
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16 mm	80-90 mm																						
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for pull handle 160X3000G7																							

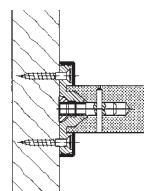
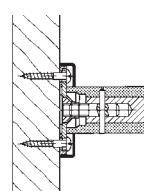
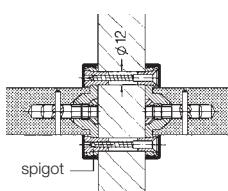
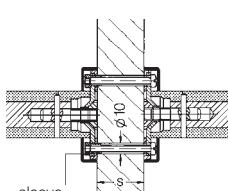
** ...2 = ø 25 mm
...3 = ø 30 mm

Item number	Specification
	<p>HEWI Fixing type 5.1.../5.2...</p> <ul style="list-style-type: none"> for double-sided fixing to solid wood, synthetic material and 2 to 3-chamber aluminium sections, fire protection profiles made of steel, stainless steel or aluminium drill hole in door \varnothing 14 mm <p>door thickness 38 - 43 mm door thickness 43 - 48 mm door thickness 48 - 55 mm</p> <p>· do., for pull handle 33.2070S/33.2070BS</p> <p>door thickness 55 - 70 mm door thickness 70 - 85 mm</p> <p>· do., for pull handle 33.2070S/33.2070BS</p>
BA5.2.38.43 BA5.2.43.48 BA5.2.48.55 BA5.2...R BA5.1.55.70 BA5.1.70.85 BA5.1...R	<p>Tools required</p> <ul style="list-style-type: none"> open jawed spanner AF13 / AF19 hexagonal spanner AF10 and AF6 (at ...R)
	<p>HEWI Fixing type 5.7...R</p> <ul style="list-style-type: none"> for double-sided fixing to solid wood, synthetic material and 2 to 3-chamber aluminium sections, fire protection profiles made of steel, stainless steel or aluminium drill hole in door \varnothing 12 mm <p>· for pull handle 160X3000G7</p> <p>door thickness 08 - 13 mm door thickness 13 - 18 mm door thickness 18 - 23 mm door thickness 23 - 28 mm door thickness 28 - 33 mm door thickness 33 - 38 mm door thickness 38 - 43 mm door thickness 43 - 48 mm door thickness 48 - 55 mm door thickness 55 - 70 mm door thickness 70 - 85 mm</p>
BA5.7.08.13R BA5.7.13.18R BA5.7.18.23R BA5.7.23.28R BA5.7.28.33R BA5.7.33.38R BA5.7.38.43R BA5.7.43.48R BA5.7.48.55R BA5.7.55.70R BA5.7.70.85R	<p>Tools required</p> <ul style="list-style-type: none"> open jawed spanner AF13 hexagonal spanner AF6 / AF8
	<p>HEWI Fixing type 5.0...</p> <ul style="list-style-type: none"> for double-sided fixing to solid wood, synthetic material and 2 to 3-chamber aluminium sections, fire protection profiles made of steel, stainless steel or aluminium drill hole in door \varnothing 14 mm <p>Please advise colour when ordering *</p> <p>Rose fixing: height of handle + 18 mm</p> <p>A safety distance of 25 mm to the closing edge is ensured according to accident prevention regulations for schools GUV – VS 1 and guidelines for kindergartens – construction and equipment GUV – SR 2002</p>
for pull handles, polyamide BA5.0.35.40* BA5.0.40.45* BA5.0.45.50* BA5.0.50.55* BA5.0.55.70* BA5.0.70.85*	<p>for pull handles, matt polyamide</p> <p>BA5.0.35.40B* BA5.0.40.45B* BA5.0.45.50B* BA5.0.50.55B* BA5.0.55.70B* BA5.0.70.85B*</p> <p>door thickness 35 - 40 mm door thickness 40 - 45 mm door thickness 45 - 50 mm door thickness 50 - 55 mm door thickness 55 - 70 mm door thickness 70 - 85 mm</p> <p>Tools required</p> <p>open jawed spanner AF19 and hexagonal spanner AF6 / AF10</p>

* Available polyamide colours Matt polyamide

<input type="checkbox"/>							
98	99	97	95	92	90	99	90

Item number	Specification
	<p>HEWI Upgrade set</p> <ul style="list-style-type: none"> · for BA5.1 /BA5.1R conversion · for double-sided fixing to solid wood, synthetic material and 2 to 3-chamber aluminium sections, fire protection profiles made of steel, stainless steel or aluminium, drill hole in door ø 14 mm door thickness 55 - 70 mm · do., for pull handle 33.2070S /33.2070BS <p>door thickness 70 - 85 mm</p> <ul style="list-style-type: none"> · do., for pull handle 33.2070S /33.2070BS <p>Mounting instructions</p> <ul style="list-style-type: none"> · open jawed spanner AF13 and hexagonal spanner AF6 (at ...R)
	<p>HEWI Fixing type 8.08.12 for pull handles made of polyamide</p> <ul style="list-style-type: none"> · for double-sided fixing to glass · drill hole in door ø 18 mm <p>door thickness 8 - 12 mm</p> <ul style="list-style-type: none"> · do., for pull handle 33.2070S /33.2070BS <p>Tools required</p> <ul style="list-style-type: none"> · hexagonal spanner AF6
	<p>HEWI Fixing type 8.08.12X for pull handles made of st. steel</p> <ul style="list-style-type: none"> · for double-sided fixing to glass · drill hole in door ø 14 mm · door thickness 8 - 12 mm · incl. plain washers ø 25 and ø 30 mm to protect the glass surface <p>Tools required</p> <ul style="list-style-type: none"> · hexagonal spanner AF6
	<p>HEWI Fixing type 8...</p> <ul style="list-style-type: none"> · for double-sided fixing to solid wood, synthetic material, steel and aluminium sections, drill hole in door ø 12 mm <p>door thickness 12 - 20 mm</p> <p>door thickness 20 - 30 mm</p> <p>door thickness 30 - 40 mm</p> <p>door thickness 40 - 50 mm</p> <p>door thickness 50 - 60 mm</p> <p>door thickness 60 - 70 mm</p> <p>door thickness 70 - 80 mm</p> <p>door thickness 80 - 90 mm</p> <ul style="list-style-type: none"> · do., for pull handle 33.2070S /33.2070BS <p>Tools required</p> <ul style="list-style-type: none"> · hexagonal spanner AF6 <p>Mounting instructions</p> <p>can also be used for securing using mortice locks.</p>
	<p>HEWI Renovation solution for stainless steel handles</p> <ul style="list-style-type: none"> · disk to cover existing drill holes in the door · ø 70 mm, 4 mm deep · made of stainless steel · supplied without fixing type

Item number	Specification
One-sided installation	
For pull handles, polyamide BA1.30PA* BA1.33PA* BA1.40PA*	 <p>HEWI Fixing type 1...PA... · for one-sided handle fixing from the front with polyamide roses Not for use with handles with inclined supports. Supplied without ø 6 mm countersunk screws. Please advise colour when ordering.*</p>
For pull handles, matt polyamide BA1.30PAB* BA1.33PAB*	<p>Support ø 30 mm ø 33 mm ø 40 mm</p> <p>Cap ø 68 mm ø 70 mm ø 80 mm</p> <p>Rose base Polyamide Polyamide Polyamide</p> <p>Handle mounting height + 8 mm + 6 mm + 6 mm</p>
Per pair	
For pull handles, polyamide BA1.30STG* BA1.33STG*	 <p>HEWI Fixing type 1...STG... · for one-sided handle fixing from the front with steel rose base and polyamide roses Not for use with handles with inclined supports. Supplied without ø 6 mm countersunk screws. Please advise colour when ordering.*</p>
For pull handles, matt polyamide BA1.30STGB*	<p>Support ø 30 mm ø 33 mm</p> <p>Cap ø 70 mm separated ø 80 mm separated</p> <p>Rose base Steel Steel</p> <p>Handle mounting height + 5 mm + 5 mm</p>
Per pair	
For pull handles, polyamide BA2.30PA* BA2.33PA* BA2.40PA*	 <p>HEWI Fixing type 2...PA... · for double-sided handle fixing from the front with polyamide roses Not for use with handles with inclined supports. Supplied without fixing material. Please advise colour when ordering.*</p>
For pull handles, matt polyamide BA2.30PAB* BA2.33PAB*	<p>Support ø 30 mm ø 33 mm ø 40 mm</p> <p>Cap ø 68 mm ø 70 mm ø 80 mm</p> <p>Rose base Polyamide Polyamide Polyamide</p> <p>Handle mounting height + 8 mm + 6 mm + 6 mm</p>
Per pair	
For pull handles, polyamide BA2.30STG* BA2.33STG*	 <p>HEWI Fixing type 2...STG... · for double-sided handle fixing from the front with steel rose base and polyamide roses respectively matt polyamide roses Not for use with handles with inclined supports. Supplied without fixing screws M6. Please advise colour when ordering.*</p>
For pull handles, matt polyamide BA2.30STGB*	<p>Support ø 30 mm ø 33 mm</p> <p>Cap ø 70 mm separated ø 80 mm separated</p> <p>Rose base Steel Steel</p> <p>Handle mounting height + 5 mm + 5 mm</p>

* Available polyamide colours

