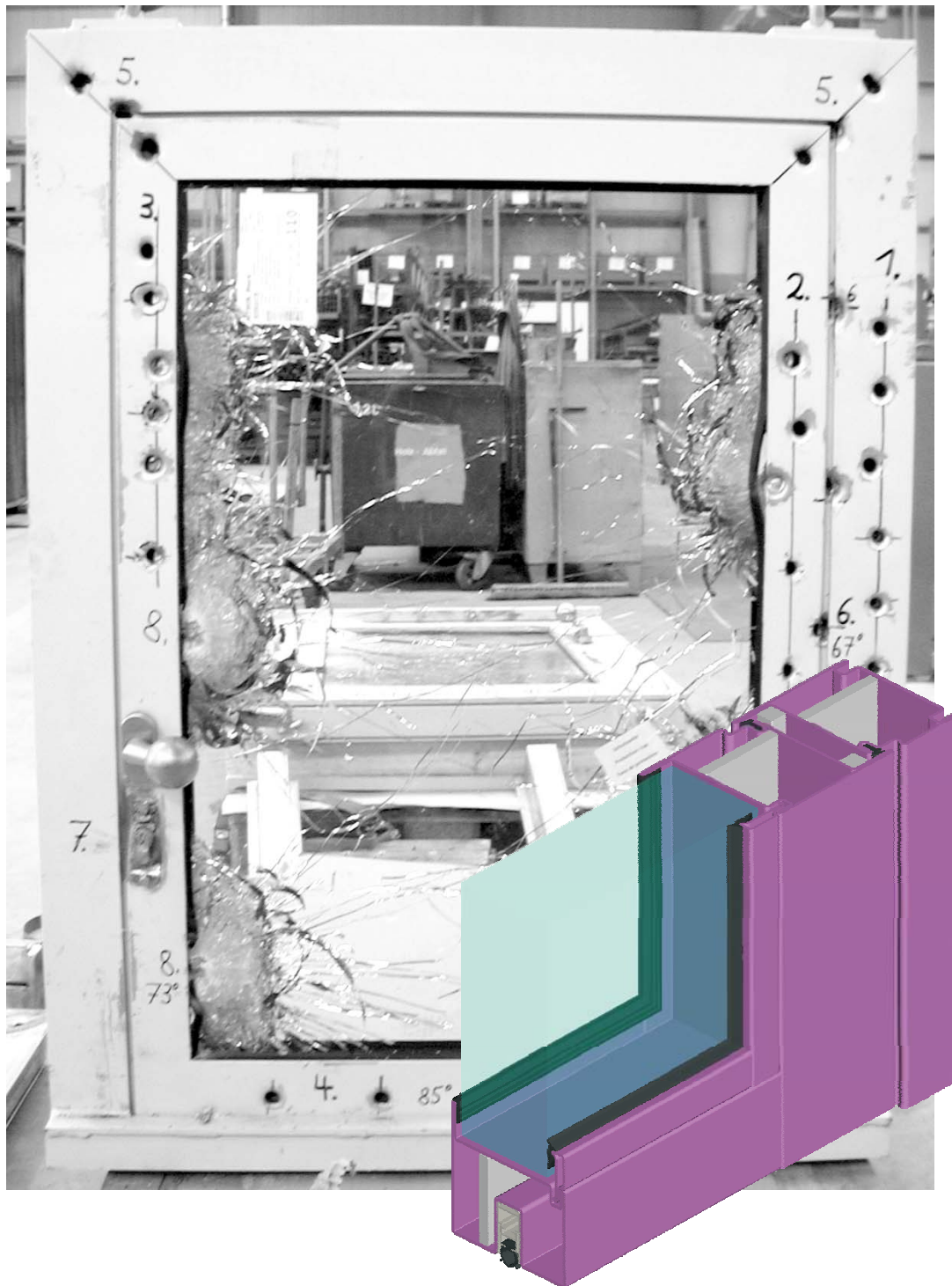


# rp hermetic 75BR



## RP-hermetic 75 FB4 bullet-resistant doors and partitions

## General information

RP Technik GmbH Profilsysteme supplies systems for the metal construction industry.

RP Systems are designed to be handled by specialist firms familiar with the generally accepted guidelines and rules of metal construction technology and glazing and who can be expected to be familiar with the applicable standards, specifications, and industry best practice.

For coatings, including pre-treatment, the procedures recommended by the coating industry must be observed. Details regarding possible applications and conditions should be discussed with the coating plant in question before awarding the coating contract.

All technical data, advice and recommendations are voluntary services and intended to provide without obligation proposals to planners and fabricators. The user must, however, examine and decide for themselves whether the proposed products fully meet all requirements for his intended application in each individual case.

RP products are sold under registered trademark. They also form component parts of tested and approved assemblies. In the case of loss or damage resulting from the use of other products not only does the company deny all liability, but also all testing certificates applicable to the construction lose their validity.

With systems from stainless steel please observe that not all accessory parts are made from stainless steel. For the use in highly corrosive environment these components must be protected by applying grease.

Special solutions must be carried out with great care since these are not covered by system tests. Equally, workshop made components must be controlled for completeness and function before installation.

Every care has been taken to ensure that the data, explanations and illustrations in the document is accurate and whilst the publishers would be grateful to learn of any error, they regret they can accept no responsibility. Nevertheless mistakes cannot be entirely excluded. For the use of the suggestions, drawings and data we cannot take any responsibility or liability. Please note also our sales and delivery terms.

Because of the constraints printing technology and/or graphics illustrations may not always correspond to the stated scales and norm sizes.

RP Technik GmbH Profilsysteme reserves the right to undertake technical modifications without prior notice.

The publication of new documentation renders invalid all previous versions.

Edition 04-2005

## Advantages:

- profiles with reinforcement inside
- no additional reinforcement inside for the lock and the miter corners
- burglary-resistant fittings useable
- shatterproof glass applicable

## 1.1 Overview test category bullet-resistant

- windows, doors, partitions EN 1522 / 1523
- glazing EN 1063

category	type of weapon	bore	Energy of muzzle(J)	V <sub>target</sub> (m/s)
1	rifle	.22 long Rifle	168	360
2	hand-gun	9 mm Luger	640	400
3	hand-gun	.357 Mag.	943	430
<b>4</b>	<b>hand-gun</b>	<b>.44 Rem. Mag.</b>	<b>1510</b>	<b>440</b>
5	rifle	5,56 x 45	1805	950
6	rifle	7,62 x 51 soft core	3272	830
7	rifle	7,62 x 51 hard core	3295	820

# 1.2 Test report

Doors and partitions  
RP-hermetic 75 FB4



Baden-Württemberg  
Regierungspräsidium Tübingen

## Beschussamt Ulm

**Staatliche Prüf- und Zertifizierungsstelle für Waffen- und Sicherheitstechnik**  
Legal verification and certification office for weapons and security engineering  
Place de contrôle et certification de l'Etat pour la technique d'armes et sécurité

## Zertifikat - Certificate - Certificat d'essai

S 06 0009 01 / Z

### Durchschusshemmende Konstruktion

Bullet resistant construction · Construction résistant aux balles

<b>Antragsteller</b> Proposer · Nom du requérant	RP Technik GmbH 59199 Bönen
<b>Hersteller</b> Producer · Producteur	RP Technik GmbH 59199 Bönen
<b>Ort und Datum der Prüfung</b> Location and date of the test · Lieu et date d'essai	89081 Ulm, 22.02.2006
<b>Gültigkeitsdauer bis</b> Period of validity · Valable jusqu'à ce que	22.02.2016
<b>Prüfanforderung und Verfahren</b> Test request and method · Exigence de contrôle et procédé	DIN EN 1522/1523
<b>Gegenstand der Zertifizierung</b> Object of certification · Objet de la certification	Stahl- Tür- und Trennwandkonstruktion 1090 x 854 x 75 mm
<b>Typenbezeichnung</b> Product reference · Référence du produit	<b>RP-hermetic 75, FB4</b>
<b>Zugeordnete Widerstandsklasse</b> Classified as · La classe de résistance atteignait	<b>DIN EN 1522 FB4 NS</b>

**Details siehe Prüfbericht-Nr.** S 06 0009 01 / B  
Details test report-no. · Détails rapport d'essai-No.

Beschussamt Ulm  
Albstraße 74

89081 Ulm

Tel.: 0731-9 68 51-0  
Fax: 0731-9 68 51-99  
beschussamt@rpt.bwl.de

Akkreditierte Prüf- und  
Zertifizierungsstelle




Zertifikate ohne Unterschrift und Dienstsiegel haben keine Gültigkeit. Dieses Zertifikat darf nur vollständig und unverändert weiterverbreitet werden. Auszüge oder Änderungen bedürfen der Genehmigung des Beschussamtes Ulm. Der Prüfbericht ist Bestandteil des Zertifikats.  
Certificates which are not stamped and signed are not valid. This certificate may only be copied or transmitted in its entirety and without modifications. The use of parts of this certificate or modifications is only allowed with the express consent of the Beschussamt Ulm. The test report is a component of the certificate.

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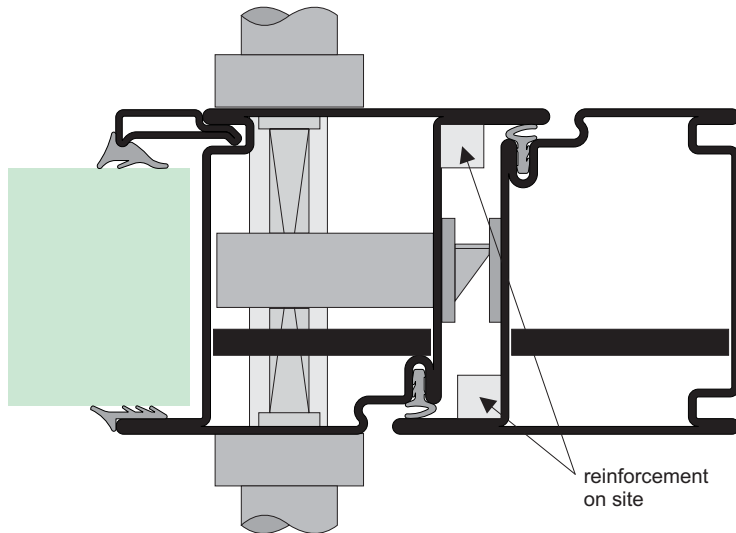


Ulm, den 20.03.2006

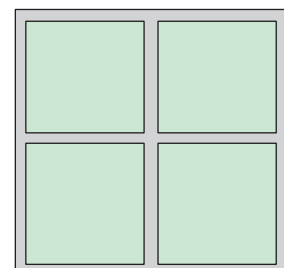
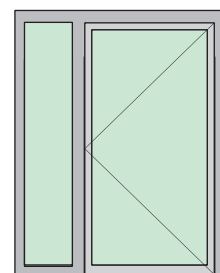
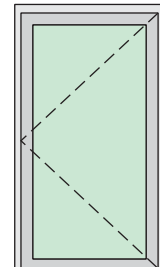
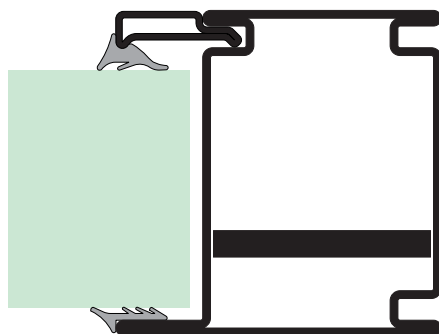
  
**FRIESS**  
Leiter des Beschussamtes  
Director of the Proof House  
Directeur du Banc d'Épreuves

## 2.1 System cuts

### RP-hermetic 75 FB4 single-leaf door and partition



### RP-hermetic 75 FB4 partitions



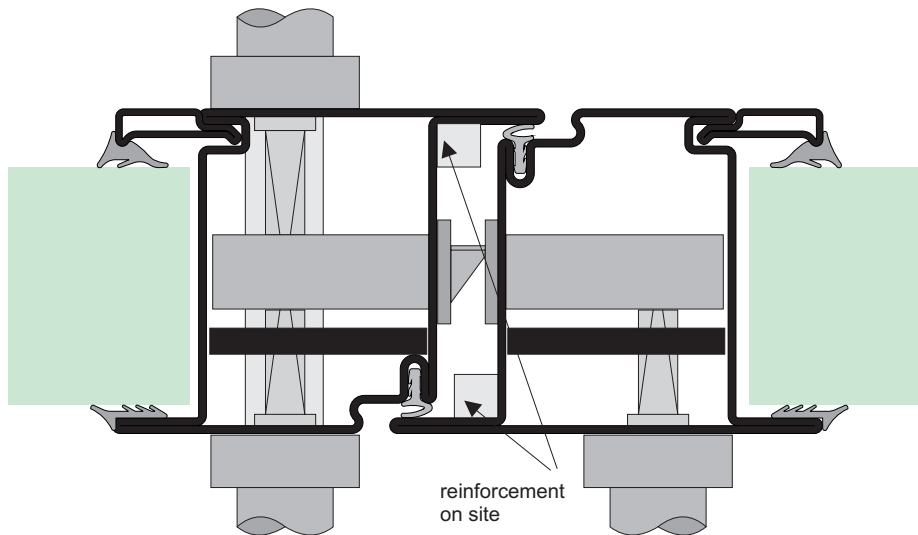
connections to buildings  
 have to be carried out according  
 to resistance demand and weight  
 of the construction

- E.E. And we reserve the right to effect modifications -

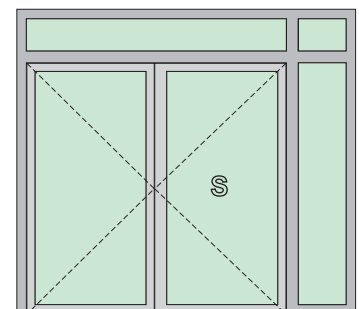
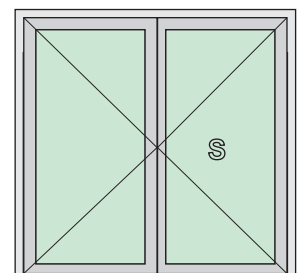
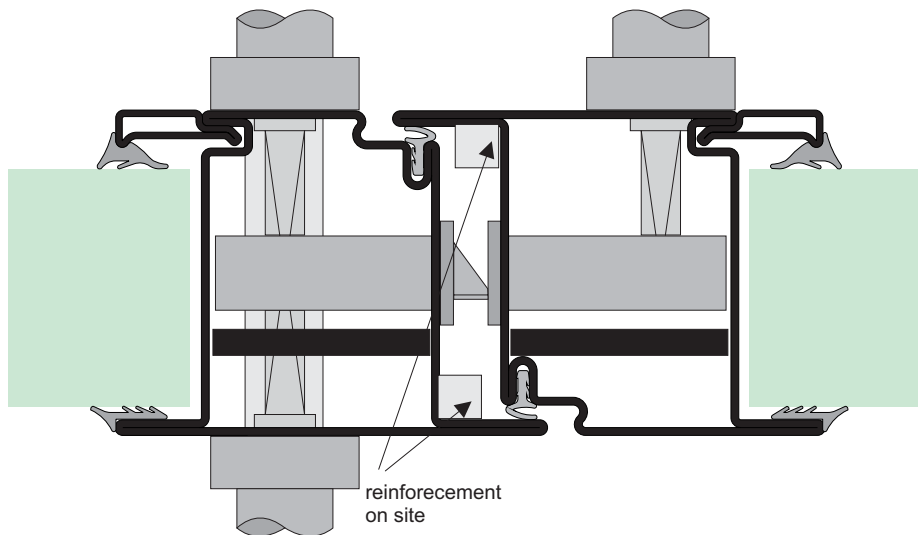


## 2.1 System cuts

### RP-hermetic 75 FB4 double-leaf door opening inwards



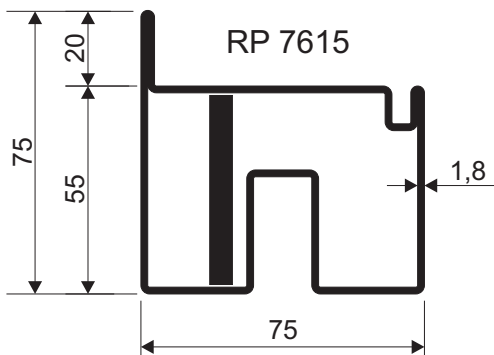
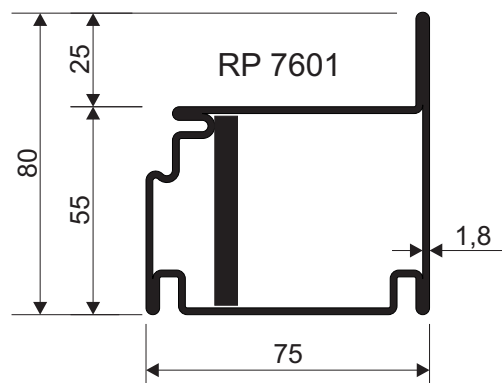
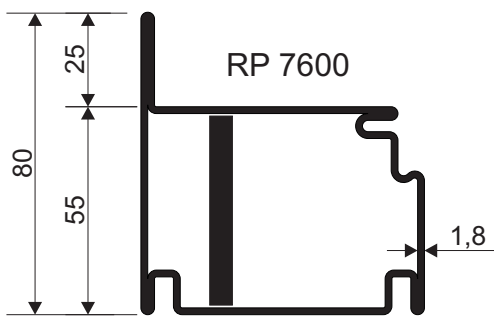
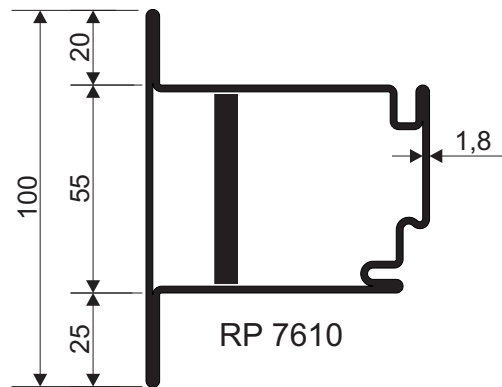
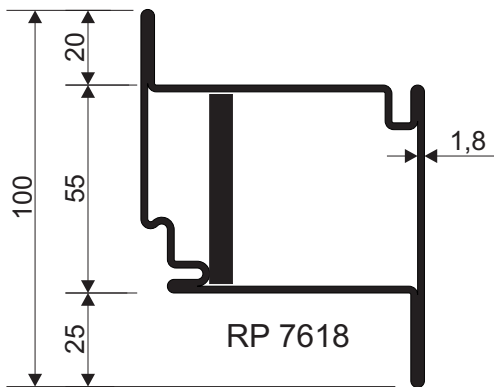
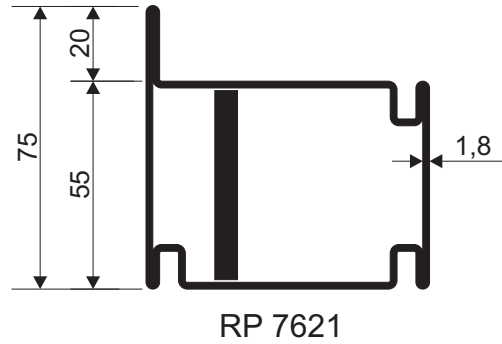
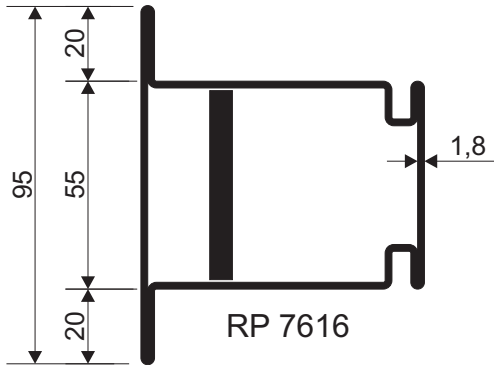
### opening outwards



connections to buildings  
 have to be carried out according  
 to resistance demand and weight  
 of the construction

- E.E. And we reserve the right to effect modifications -

### 3.1 Main profiles



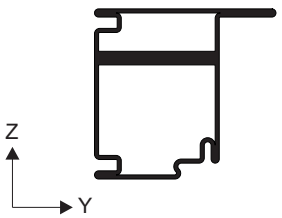
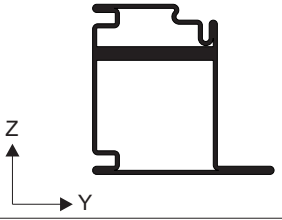
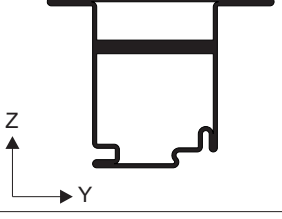
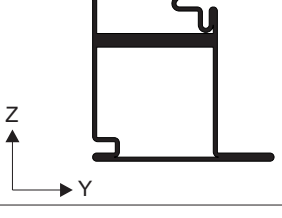
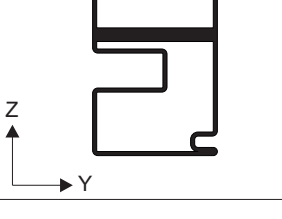
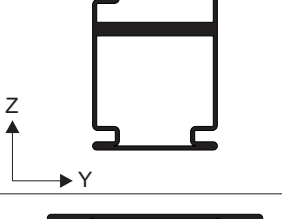
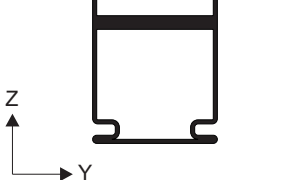


## 4.1 Articles overview

### Main profiles

## Doors and partitions

### RP-hermetic 75 FB4

	art.-no.	description additional info	profile charac. values <sup>1)</sup>	PU
	RP 7600	<b>frame profile</b> t = 1,8 mm pregalvanized	A = 9,41 cm <sup>2</sup> O = 0,357 m <sup>2</sup> /m G = 7,39 kg/m I <sub>y</sub> = 56,35 cm <sup>4</sup> W <sub>y</sub> = 12,36 cm <sup>3</sup> I <sub>z</sub> = 46,06 cm <sup>4</sup> W <sub>z</sub> = 9,30 cm <sup>3</sup>	6 m
	RP 7601	<b>frame profile</b> t = 1,8 mm pregalvanized	A = 9,41 cm <sup>2</sup> O = 0,357 m <sup>2</sup> /m G = 7,39 kg/m I <sub>y</sub> = 62,02 cm <sup>4</sup> W <sub>y</sub> = 15,60 cm <sup>3</sup> I <sub>z</sub> = 46,06 cm <sup>4</sup> W <sub>z</sub> = 9,30 cm <sup>3</sup>	6 m
	RP 7610	<b>leaf / frame profile</b> t = 1,8 mm pregalvanized	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m I <sub>y</sub> = 59,80 cm <sup>4</sup> W <sub>y</sub> = 12,78 cm <sup>3</sup> I <sub>z</sub> = 55,87 cm <sup>4</sup> W <sub>z</sub> = 10,80 cm <sup>3</sup>	6 m
	RP 7618	<b>leaf / frame profile</b> t = 1,8 mm pregalvanized	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m I <sub>y</sub> = 66,92 cm <sup>4</sup> W <sub>y</sub> = 16,24 cm <sup>3</sup> I <sub>z</sub> = 55,87 cm <sup>4</sup> W <sub>z</sub> = 10,80 cm <sup>3</sup>	6 m
	RP 7615	<b>bottom profile</b> t = 1,8 mm pregalvanized	A = 9,68 cm <sup>2</sup> O = 0,372 m <sup>2</sup> /m G = 7,60 kg/m I <sub>y</sub> = 53,31 cm <sup>4</sup> W <sub>y</sub> = 12,08 cm <sup>3</sup> I <sub>z</sub> = 39,78 cm <sup>4</sup> W <sub>z</sub> = 8,95 cm <sup>3</sup>	6 m
	RP 7621	<b>frame profile</b> t = 1,8 mm pregalvanized	A = 9,27 cm <sup>2</sup> O = 0,349 m <sup>2</sup> /m G = 7,28 kg/m I <sub>y</sub> = 59,06 cm <sup>4</sup> W <sub>y</sub> = 13,31 cm <sup>3</sup> I <sub>z</sub> = 42,34 cm <sup>4</sup> W <sub>z</sub> = 9,35 cm <sup>3</sup>	6 m
	RP 7616	<b>sash profile</b> t = 1,8 mm pregalvanized	A = 9,61 cm <sup>2</sup> O = 0,368 m <sup>2</sup> /m G = 7,55 kg/m I <sub>y</sub> = 62,24 cm <sup>4</sup> W <sub>y</sub> = 13,60 cm <sup>3</sup> I <sub>z</sub> = 51,70 cm <sup>4</sup> W <sub>z</sub> = 10,88 cm <sup>3</sup>	6 m

<sup>1)</sup> A = section surface, O = outside circumference, G = weight, I = moment of surface inertia, W = resistance momentum

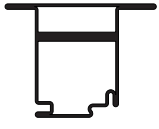
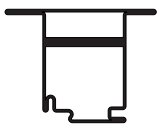
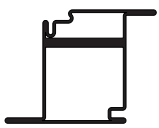
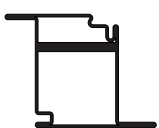
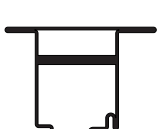
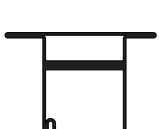

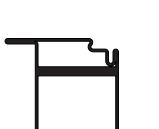
- E.E. And we reserve the right to effect modifications -

## 4.2 Articles overview

### Main profiles pre-fabricated

## Doors and partitions

### RP-hermetic 75 FB4

	art.-no.	description additional info	profile charac. values <sup>1)</sup>	PU
	456 110	lock profile pre-fabricated for single locking <b>DIN right</b> external opening lock art.no. 213 040	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 120	lock profile pre-fabricated for single locking <b>DIN left</b> external opening lock art.no. 213 050	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 130	lock profile pre-fabricated for single locking <b>DIN right</b> internal opening lock art.no. 213 040	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 140	lock profile pre-fabricated for single locking <b>DIN left</b> internal opening lock art.no. 213 040	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 010	lock profile pre-fabricated for multiple locking <b>DIN right</b> external opening lock art.no. 213 010	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 020	lock profile pre-fabricated for multiple locking <b>DIN left</b> external opening lock art.no. 213 010	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 030	lock profile pre-fabricated for multiple locking <b>DIN right</b> internal opening lock art.no. 213 010	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 040	lock profile pre-fabricated for multiple locking <b>DIN left</b> internal opening lock art.no. 213 010	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm

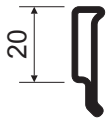
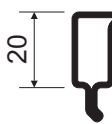
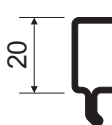
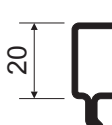
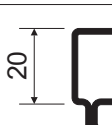
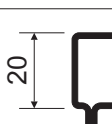
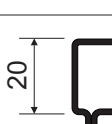
<sup>1)</sup>A = section surface, O = outside circumference, G = weight

- E.E. And we reserve the right to effect modifications -

## 4.3 Articles overview

### Glazing beads steel

### Doors and partitions RP-hermetic 75 FB4

	art.-no.	description additional info	profile charac. values <sup>1)</sup>	PU
	RP 1638	<b>glazing bead</b> 8,5 mm	A = 1,00 cm <sup>2</sup> O = 0,071 m <sup>2</sup> /m G = 0,78 kg/m	<b>6 m</b>
	RP 1591	<b>glazing bead</b> 13 mm	A = 1,11 cm <sup>2</sup> O = 0,079 m <sup>2</sup> /m G = 0,87 kg/m	<b>6 m</b>
	RP 1637	<b>glazing bead</b> 18 mm	A = 1,26 cm <sup>2</sup> O = 0,089 m <sup>2</sup> /m G = 0,99 kg/m	<b>6 m</b>
	RP 1606	<b>glazing bead</b> 23 mm	A = 1,41 cm <sup>2</sup> O = 0,099 m <sup>2</sup> /m G = 1,11 kg/m	<b>6 m</b>
	RP 1668	<b>glazing bead</b> 28 mm	A = 1,56 cm <sup>2</sup> O = 0,109 m <sup>2</sup> /m G = 1,23 kg/m	<b>6 m</b>
	RP 1657	<b>glazing bead</b> 33 mm	A = 1,71 cm <sup>2</sup> O = 0,119 m <sup>2</sup> /m G = 1,34 kg/m	<b>6 m</b>
	RP 1819	<b>glazing bead</b> 43 mm	A = 2,01 cm <sup>2</sup> O = 0,139 m <sup>2</sup> /m G = 1,58 kg/m	<b>6 m</b>

<sup>1)</sup>A = section surface, O = outside circumference, G = weight

- E.E. And we reserve the right to effect modifications -

## 4.4 Articles overview

### Seals

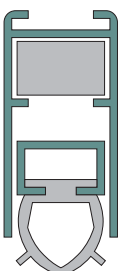
Doors and partitions  
RP-hermetic 75 FB4

	art.-no.	description additional info	PU
	<b>300 500</b>	glazing seal 3 mm sealing profile EPDM, black	<b>100 m</b>
	<b>300 650</b>	glazing seal 3 mm, self-adhesive sealing profile EPDM, black	<b>100 m</b>
	<b>304 650</b>	glazing seal 5 mm, self-adhesive sealing profile EPDM, black	<b>100 m</b>
	<b>300 510</b>	glazing seal 3 mm sealing profile EPDM, black	<b>100 m</b>
	<b>304 140</b>	glazing seal 4 mm sealing profile EPDM, black	<b>100 m</b>
	<b>300 520</b>	glazing seal 5 mm sealing profile EPDM, black	<b>100 m</b>
	<b>304 160</b>	glazing seal 6 mm sealing profile EPDM, black	<b>100 m</b>
	<b>300 570</b>	glazing seal 7 mm sealing profile EPDM, black	<b>100 m</b>
	<b>302210</b>	rebate seal sealing profile EPDM, black	<b>100 m</b>

## 4.5 Articles overview


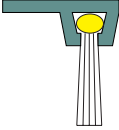
### Automatic floor seals

### Doors and partitions RP-hermetic 75 FB4

	art.-no.	description additional info	PU
		<b>automatic floor seal</b> including accessories and fixation material	
	<b>200 256</b>	primary leaf - available length 637 mm (for leaf rebate dimension 589 - 641 mm)	<b>1 piece</b>
	<b>200 257</b>	primary leaf - available length 762 mm (for leaf rebate dimension 641 - 766 mm)	<b>1 piece</b>
	<b>200 210</b>	primary leaf - available length 887 mm (for leaf rebate dimension 766 - 891 mm)	<b>1 piece</b>
	<b>200 220</b>	primary leaf - available length 1012 mm (for leaf rebate dimension 891 - 1016 mm)	<b>1 piece</b>
	<b>200 230</b>	primary leaf - available length 1137 mm (for leaf rebate dimension 1016 - 1141 mm)	<b>1 piece</b>
	<b>200 240</b>	primary leaf - available length 1262 mm (for leaf rebate dimension 1141 - 1266 mm)	<b>1 piece</b>
	<b>200 245</b>	primary leaf - available length 1387 mm (for leaf rebate dimension 1266 - 1391 mm)	<b>1 piece</b>
	<b>200 250</b>	primary leaf - special dimension on request	<b>1 piece</b>
	<b>200 306</b>	secondary leaf - available length 637 mm (for leaf rebate dimension 589 - 641 mm)	<b>1 piece</b>
	<b>200 307</b>	secondary leaf - available length 762 mm (for leaf rebate dimension 641 - 766 mm)	<b>1 piece</b>
	<b>200 260</b>	secondary leaf - available length 887 mm (for leaf rebate dimension 766 - 891 mm)	<b>1 piece</b>
	<b>200 270</b>	secondary leaf - available length 1012 mm (for leaf rebate dimension 891 - 1016 mm)	<b>1 piece</b>
	<b>200 280</b>	secondary leaf - available length 1137 mm (for leaf rebate dimension 1016 - 1141 mm)	<b>1 piece</b>
	<b>200 290</b>	secondary leaf - available length 1262 mm (for leaf rebate dimension 1141 - 1266 mm)	<b>1 piece</b>
	<b>200 295</b>	secondary leaf - available length 1387 mm (for leaf rebate dimension 1266 - 1391 mm)	<b>1 piece</b>
	<b>200 300</b>	secondary leaf - special dimension on request	<b>1 piece</b>

## 4.5 Articles overview






### Automatic floor seals

	art.-no.	description additional info	PU
	<b>300 100</b>	<b>automatic floor seal</b> including accessories and fixation material  replacement seal for automatic floor seal	<b>1 m</b>
	<b>320 430</b>	brush seal	<b>1 piece</b>

## 4.6 Articles overview

### Fittings

Doors and partitions  
RP-hermetic 75 FB4




	art.-no.	description additional info	PU
	<b>213 010</b>	multiple locking with hook-swing-bolt, 39 mm backset, useable for DIN left and right latch bolt 1 mm proceeding, 92 mm distance, 9 mm square, PC pre-fabricated, with lever handle face plate stainless steel brushed	<b>1 piece</b>
	<b>213 020</b>	lock plate for main lock of the multiple locking art.-no. <b>213 010</b> stainless steel brushed need: 1 piece per locking	<b>1 piece</b>
	<b>213 030</b>	lock plate for multiple locking with hook-swing-bolt art.-no. <b>213 010</b> stainless steel brushed need: 2 pieces per locking	<b>1 piece</b>
	<b>213 040</b>	mortise dead lock 40 mm backset, 92 mm distance, 9 mm square, PC pre-fabricated, flush bolt and latch bolt justified, with lever handle face plate stainless steel brushed DIN right	<b>1 piece</b>
	<b>213 050</b>	DIN left	<b>1 piece</b>
	<b>213 060</b>	lock plate for mortise dead lock stainless steel brushed	<b>1 piece</b>
	<b>966 100</b>	<b>secondary leaf set flush bolt</b> DIN right/left, backset 30  <u>component parts:</u> 200 180 lock plate 200 490 floor bush 200 760 espagnolette lock 200 770 flush bolt 232 310 espagnolette rod top 232 320 espagnolette rod bottom 600 630 lens head countersunk screw M5x20 620 010 universal rivet nut M5	<b>1 piece</b>



## 4.6 Articles overview

### Fittings

Doors and partitions  
RP-hermetic 75 FB4

	art.-no.	description additional info	PU
	<b>966 110</b>	<b>Additional set, rod lock</b> bottom, back set 30  <u>component parts:</u> 200 190 lock plate 200 460 latch push cam 200 470 cranked espagnolette rod 200 480 rod guide for espagnolette rod 600 630 lens head countersunk screw M5x20 620 010 universal rivet nut M5  NOT IN COMBINATION WITH MULTIPLE LOCKING 213 010!	<b>1 piece</b>
	<b>213 120</b>	cover-rosette ZA PC, oval, 34 x 72 mm invisible screwing stainless steel brushed	<b>1 piece</b>
	<b>213 110</b>	ornament ring, diameter 25 mm with PC cutout stainless steel brushed	<b>1 piece</b>
	<b>248 390</b>	weld-on hinge, steel, threepart in special model: hardened for leaf weight up to max. 250 kg  3 hinges per leaf!	<b>1 piece</b>



**RP-hermetic 75 FB6**  
bullet-resistant  
doors and partitions

## General information

RP Technik GmbH Profilsysteme supplies systems for the metal construction industry.

RP Systems are designed to be handled by specialist firms familiar with the generally accepted guidelines and rules of metal construction technology and and glazing and who can be expected to be familiar with the applicable standards, specifications, and industry best practice.

For coatings, including pre-treatment, the procedures recommended by the coating industry must be observed. Details regarding possible applications and conditions should be discussed with the coating plant in question before awarding the coating contract.

All technical data, advice and recommendations are voluntary services and intended to provide without obligation proposals to planners and fabricators. The user must, however, examine and decide for theirself whether the proposed products fully meet all requirements for his intended application in each individual case.

RP products are sold under registered trademark. They also form component parts of tested and approved assemblies. In the case of loss or damage resulting from the use of other products not only does the company deny all liability, but also all testing certificates applicable to the construction lose their validity.

With systems from stainless steel please observe that not all accessory parts are made from stainless steel. For the use in highly corrosive environment these components must be protected by applying grease.

Special solutions must be carried out with great care since these are not covered by system tests. Equally, workshop made components must be controlled for completeness and function before installation.

Every care has been taken to ensure that the data, explanations and illustrations in the document is accurate and whilst the publishers would be grateful to learn of any error, they regret they can accept no responsibility. Nevertheless mistakes cannot be entirely excluded. For the use of the suggestions, drawings and data we cannot take any responsibility or liability. Please note also our sales and delivery terms.

Because of the constraints printing technology and/or graphics illustrations may not always correspond to the stated scales and norm sizes.

RP Technik GmbH Profilsysteme reserves the right to undertake technical modifications without prior notice.

The publication of new documentation renders invalid all previous versions.

Edition 04-2005

## Advantages:

- profiles with reinforcement inside
- no additional reinforcement inside for the lock and the miter corners
- only some additional reinforcements on site necessary with usual steel profiles
- resistant against “Kalaschnikow” flak
- burglary-resistant fittings useable
- shatterproof glass applicable

### 1.1 Overview test category bullet-resistant

- windows, doors, partitions EN 1522 / 1523
- glazing EN 1063

category	type of weapon	bore	Energy of muzzle(J)	V <sub>target</sub> (m/s)
1	rifle	.22 long Rifle	168	360
2	hand-gun	9 mm Luger	640	400
3	hand-gun	.357 Mag.	943	430
4	hand-gun	.44 Rem. Mag.	1510	440
5	rifle	5,56 x 45	1805	950
<b>6</b>	<b>rifle</b>	<b>7,62 x 51 soft core</b>	<b>3272</b>	<b>830</b>
7	rifle	7,62 x 51 hard core	3295	820

# 1.2 Test report

**Doors and partitions  
RP-hermetic 75 FB6**



## Beschussamt Ulm

**Staatliche Prüf- und Zertifizierungsstelle für Waffen- und Sicherheitstechnik**  
Legal verification and certification office for weapons and security engineering  
Place de contrôle et certification de l'Etat pour la technique d'armes et sécurité

## Zertifikat - Certificate - Certificat d'essai

S 06 0009 02 / Z

### Durchschusshemmende Konstruktion

Bullet resistant construction · Construction résistant aux balles

<b>Antragsteller</b> Proposer · Nom du requérant	RP Technik GmbH 59199 Bönen
<b>Hersteller</b> Producer · Producteur	RP Technik GmbH 59199 Bönen
<b>Ort und Datum der Prüfung</b> Location and date of the test · Lieu et date d'essai	89081 Ulm, 22.02.2006
<b>Gültigkeitsdauer bis</b> Period of validity · Valable jusqu'à ce que	22.02.2016
<b>Prüfanforderung und Verfahren</b> Test request and method · Exigence de contrôle et procédé	DIN EN 1522/1523
<b>Gegenstand der Zertifizierung</b> Object of certification · Objet de la certification	Stahl- Tür- und Trennwandkonstruktion 1090 x 854 x 83 mm
<b>Typenbezeichnung</b> Product reference · Référence du produit	<b>RP-hermetic 75, FB6</b>

**Zugeordnete Widerstandsklasse** **DIN EN 1522 FB6 NS**  
Classified as · La classe de résistance atteint

**Details siehe Prüfbericht-Nr.** S 06 0009 02 / B  
Details test report-no · Détails rapport d'essai-No.

Zertifikate ohne Unterschrift und Dienstsiegel haben keine Gültigkeit. Dieses Zertifikat darf nur vollständig und unverändert weiterverbreitet werden. Auszüge oder Änderungen bedürfen der Genehmigung des Beschussamtes Ulm. Der Prüfbericht ist Bestandteil des Zertifikats.  
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Beschussamt Ulm  
Albstraße 74  
89081 Ulm

Tel.: 0731-9 68 51-0  
Fax: 0731-9 68 51-99  
beschussamt@rpt.bwl.de

Akkreditierte Prüf- und  
Zertifizierungsstelle



Ulm, den 20.03.2006



**FRIESS**  
Leiter des Beschussamtes  
Director of the Proof House  
Directeur du Banc d'Epreuves



# 1.3 Test report

Doors and partitions  
RP-hermetic 75 FB6



## Beschussamt Ulm

Staatliche Prüf- und Zertifizierungsstelle für Waffen- und Sicherheitstechnik  
Legal verification and certification office for weapons and security engineering  
Place de contrôle et certification de l'Etat pour la technique d'armes et sécurité

## Zertifikat - Certificate - Certificat d'essai

S 06 0009 03 / Z

### Durchschusshemmende Konstruktion

Bullet resistant construction · Construction résistant aux balles

<b>Antragsteller</b> Proposer · Nom du requérant	RP Technik GmbH 59199 Bönen
<b>Hersteller</b> Producer · Producteur	RP Technik GmbH 59199 Bönen
<b>Ort und Datum der Prüfung</b> Location and date of the test · Lieu et date d'essai	89081 Ulm, 22.02.2006
<b>Gültigkeitsdauer bis</b> Period of validity · Valable jusqu'à ce que	22.02.2016
<b>Prüfanforderung und Verfahren</b> Test request and method · Exigence de contrôle et procédé	DIN EN 1522/1523
<b>Gegenstand der Zertifizierung</b> Object of certification · Objet de la certification	Trennwandkonstruktion 1016 x 716 x 75 mm
<b>Typenbezeichnung</b> Product reference · Référence du produit	<b>RP-hermetic 75, FB6</b>

**Zugeordnete Widerstandsklasse** **DIN EN 1522 FB6 NS**  
Classified as · La classe de résistance atteint

**Details siehe Prüfbericht-Nr.** S 06 0009 03 / B  
Details test report-no. · Détails rapport d'essai-No.

Zertifikate ohne Unterschrift und Dienstsiegel haben keine Gültigkeit. Dieses Zertifikat darf nur vollständig und unverändert weiterverbreitet werden. Auszüge oder Änderungen bedürfen der Genehmigung des Beschussamtes Ulm. Der Prüfbericht ist Bestandteil des Zertifikats.  
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Beschussamt Ulm  
Albstraße 74  
89081 Ulm

Tel.: 0731-9 68 51-0  
Fax: 0731-9 68 51-99  
beschussamt@rpt.bwl.de

Akkreditierte Prüf- und  
Zertifizierungsstelle



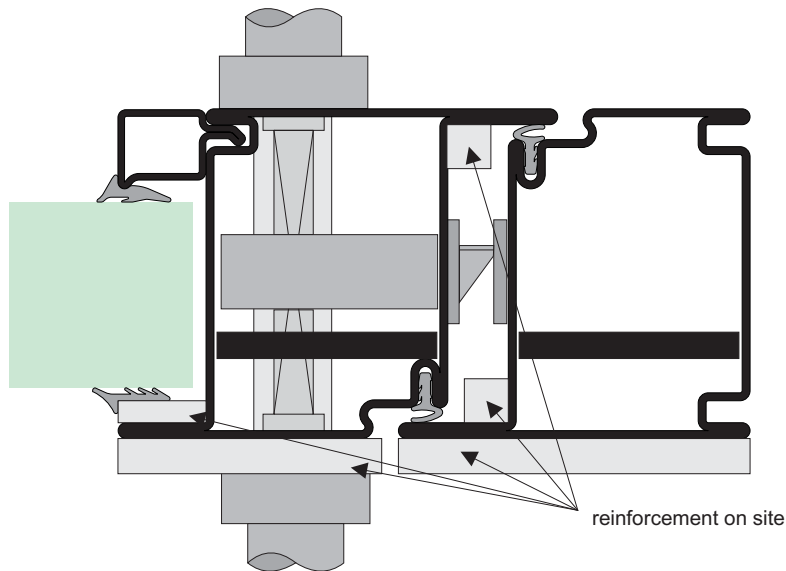
Ulm, den 20.03.2006



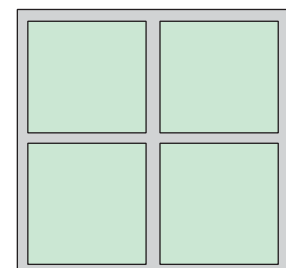
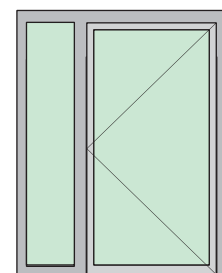
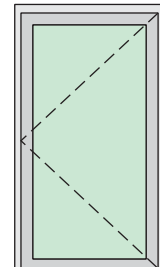
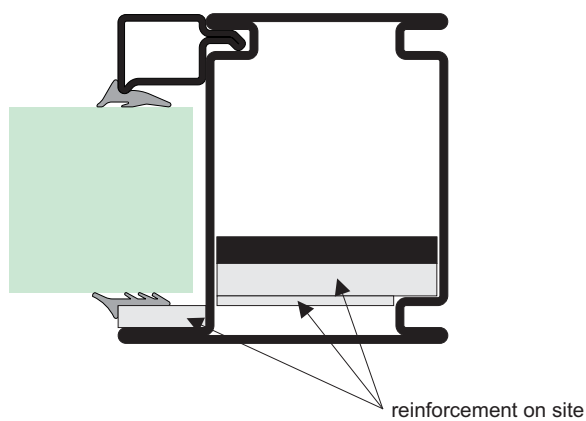
**FRIESS**  
Leiter des Beschussamtes  
Director of the Proof House  
Directeur du Banc d'Épreuves

## 2.1 System cuts

### RP-hermetic 75 FB6 single-leaf door and partition



### RP-hermetic 75 FB6 partitions



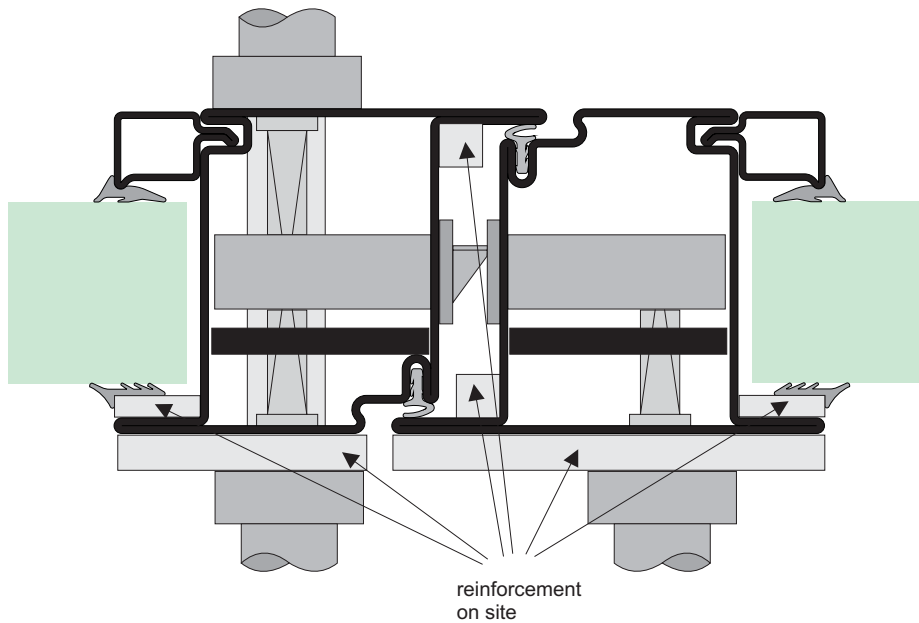
connections to buildings  
 have to be carried out according  
 to resistance demand and weight  
 of the construction

- E.E. And we reserve the right to effect modifications -

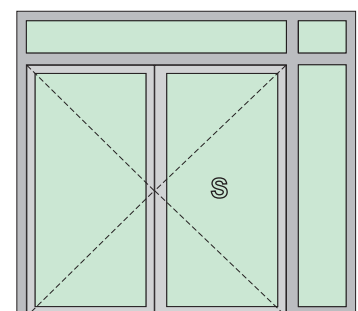
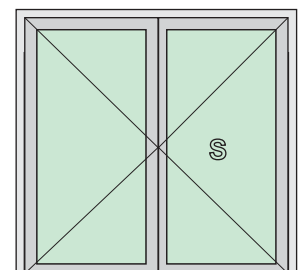
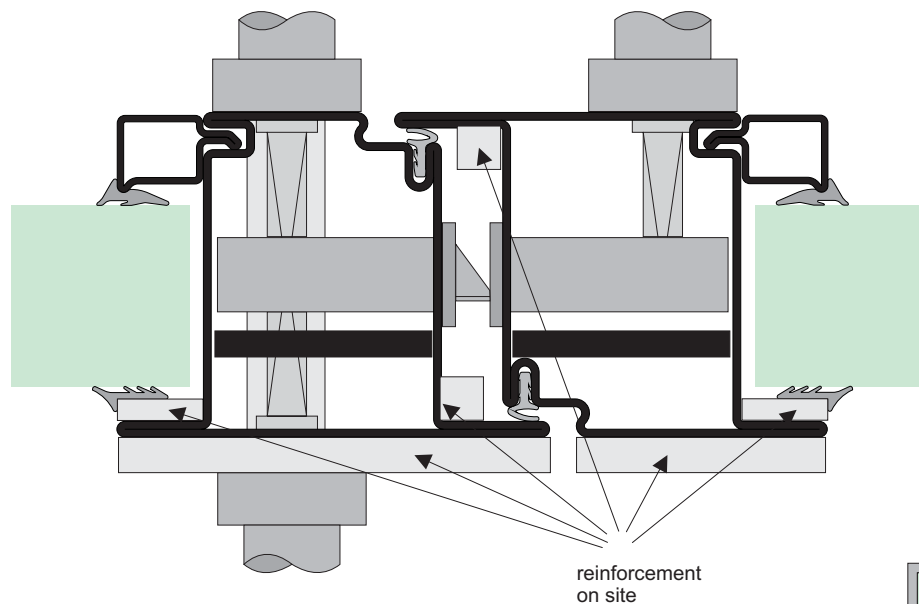


## 2.1 System cuts

### RP-hermetic 75 FB6 double-leaf door opening inwards



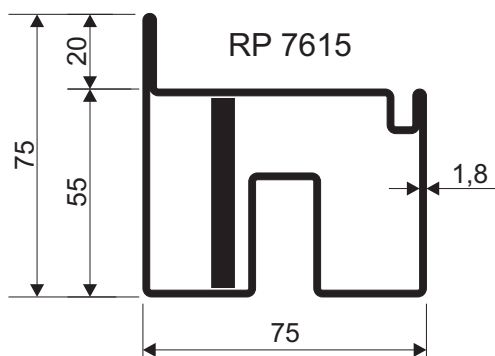
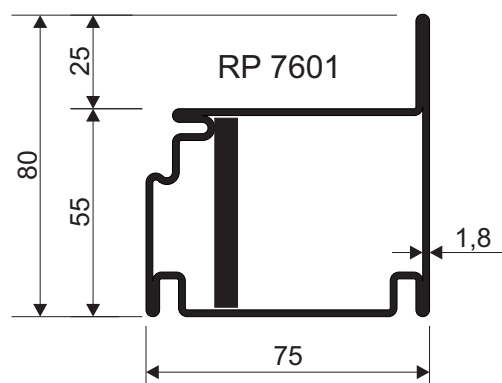
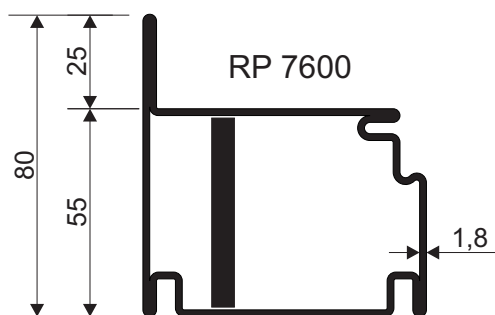
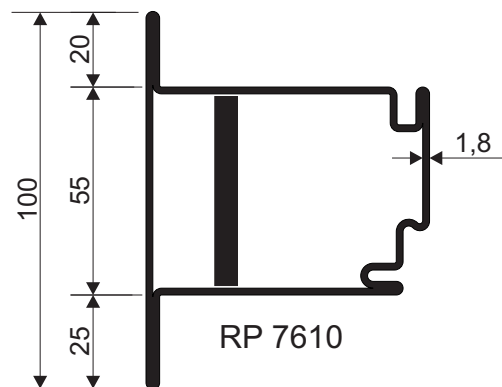
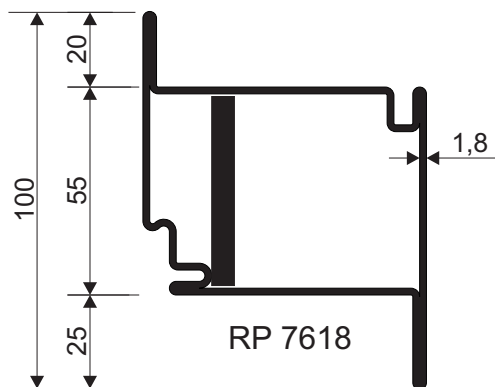
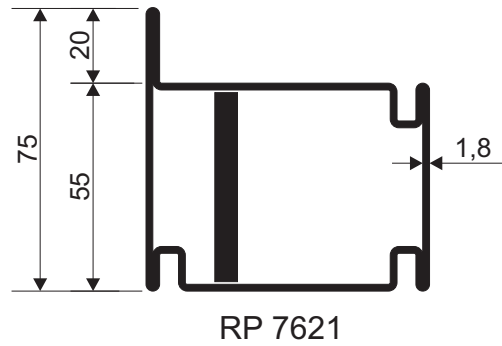
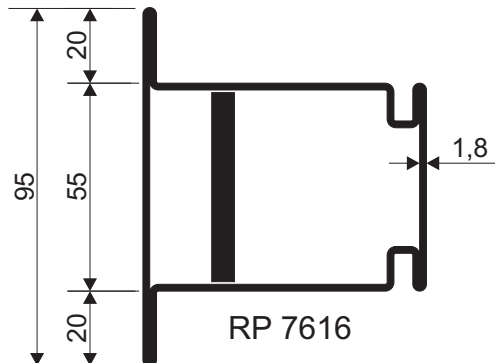
### opening outwards



connections to buildings  
 have to be carried out according  
 to resistance demand and weight  
 of the construction

- E.E. And we reserve the right to effect modifications -

### 3.1 Main profiles

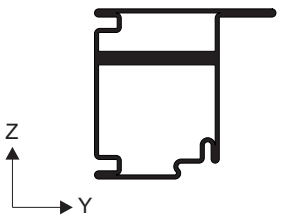
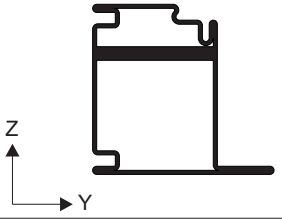
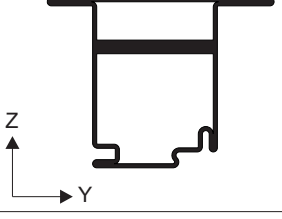
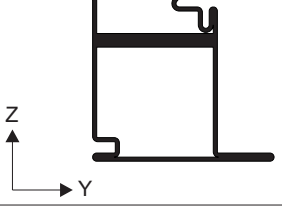
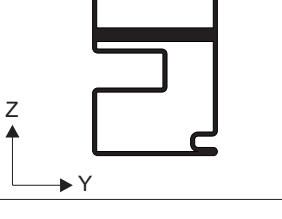
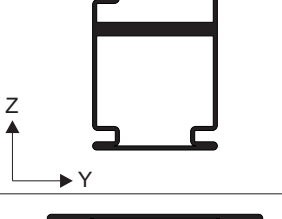
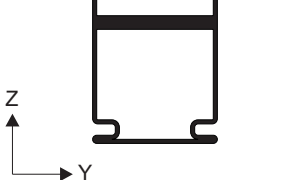


## 4.1 Articles overview

### Main profiles

## Doors and partitions

### RP-hermetic 75 FB6

	art.-no.	description additional info	profile charac. values <sup>1)</sup>	PU
	RP 7600	<b>frame profile</b> t = 1,8 mm pregalvanized	A = 9,41 cm <sup>2</sup> O = 0,357 m <sup>2</sup> /m G = 7,39 kg/m I <sub>y</sub> = 56,35 cm <sup>4</sup> W <sub>y</sub> = 12,36 cm <sup>3</sup> I <sub>z</sub> = 46,06 cm <sup>4</sup> W <sub>z</sub> = 9,30 cm <sup>3</sup>	6 m
	RP 7601	<b>frame profile</b> t = 1,8 mm pregalvanized	A = 9,41 cm <sup>2</sup> O = 0,357 m <sup>2</sup> /m G = 7,39 kg/m I <sub>y</sub> = 62,02 cm <sup>4</sup> W <sub>y</sub> = 15,60 cm <sup>3</sup> I <sub>z</sub> = 46,06 cm <sup>4</sup> W <sub>z</sub> = 9,30 cm <sup>3</sup>	6 m
	RP 7610	<b>leaf / frame profile</b> t = 1,8 mm pregalvanized	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m I <sub>y</sub> = 59,80 cm <sup>4</sup> W <sub>y</sub> = 12,78 cm <sup>3</sup> I <sub>z</sub> = 55,87 cm <sup>4</sup> W <sub>z</sub> = 10,80 cm <sup>3</sup>	6 m
	RP 7618	<b>leaf / frame profile</b> t = 1,8 mm pregalvanized	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m I <sub>y</sub> = 66,92 cm <sup>4</sup> W <sub>y</sub> = 16,24 cm <sup>3</sup> I <sub>z</sub> = 55,87 cm <sup>4</sup> W <sub>z</sub> = 10,80 cm <sup>3</sup>	6 m
	RP 7615	<b>bottom profile</b> t = 1,8 mm pregalvanized	A = 9,68 cm <sup>2</sup> O = 0,372 m <sup>2</sup> /m G = 7,60 kg/m I <sub>y</sub> = 53,31 cm <sup>4</sup> W <sub>y</sub> = 12,08 cm <sup>3</sup> I <sub>z</sub> = 39,78 cm <sup>4</sup> W <sub>z</sub> = 8,95 cm <sup>3</sup>	6 m
	RP 7621	<b>frame profile</b> t = 1,8 mm pregalvanized	A = 9,27 cm <sup>2</sup> O = 0,349 m <sup>2</sup> /m G = 7,28 kg/m I <sub>y</sub> = 59,06 cm <sup>4</sup> W <sub>y</sub> = 13,31 cm <sup>3</sup> I <sub>z</sub> = 42,34 cm <sup>4</sup> W <sub>z</sub> = 9,35 cm <sup>3</sup>	6 m
	RP 7616	<b>sash profile</b> t = 1,8 mm pregalvanized	A = 9,61 cm <sup>2</sup> O = 0,368 m <sup>2</sup> /m G = 7,55 kg/m I <sub>y</sub> = 62,24 cm <sup>4</sup> W <sub>y</sub> = 13,60 cm <sup>3</sup> I <sub>z</sub> = 51,70 cm <sup>4</sup> W <sub>z</sub> = 10,88 cm <sup>3</sup>	6 m

<sup>1)</sup> A = section surface, O = outside circumference, G = weight, I = moment of surface inertia, W = resistance momentum

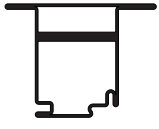
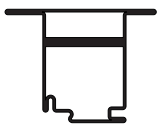
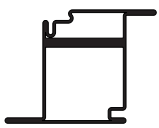
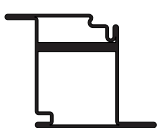
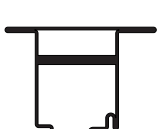
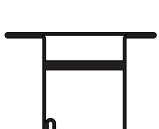

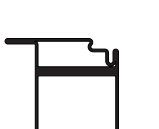
- E.E. And we reserve the right to effect modifications -

## 4.2 Articles overview

### Main profiles pre-fabricated

## Doors and partitions

### RP-hermetic 75 FB6

	art.-no.	description additional info	profile charac. values <sup>1)</sup>	PU
	456 110	lock profile pre-fabricated for single locking <b>DIN right</b> external opening lock art.no. 213 040	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 120	lock profile pre-fabricated for single locking <b>DIN left</b> external opening lock art.no. 213 050	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 130	lock profile pre-fabricated for single locking <b>DIN right</b> internal opening lock art.no. 213 040	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 140	lock profile pre-fabricated for single locking <b>DIN left</b> internal opening lock art.no. 213 040	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 010	lock profile pre-fabricated for multiple locking <b>DIN right</b> external opening lock art.no. 213 010	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 020	lock profile pre-fabricated for multiple locking <b>DIN left</b> external opening lock art.no. 213 010	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 030	lock profile pre-fabricated for multiple locking <b>DIN right</b> internal opening lock art.no. 213 010	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm
	456 040	lock profile pre-fabricated for multiple locking <b>DIN left</b> internal opening lock art.no. 213 010	A = 9,79 cm <sup>2</sup> O = 0,378 m <sup>2</sup> /m G = 7,69 kg/m	1 piece 3000 mm

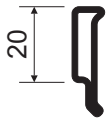
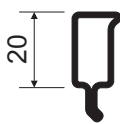
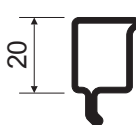
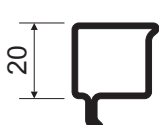
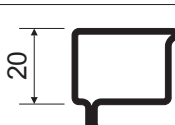


<sup>1)</sup>A = section surface, O = outside circumference, G = weight

- E.E. And we reserve the right to effect modifications -

## 4.3 Articles overview

### Glazing beads steel

### Doors and partitions RP-hermetic 75 FB6

	art.-no.	description additional info	profile charac. values <sup>1)</sup>	PU
	RP 1638	<b>glazing bead</b> 8,5 mm	A = 1,00 cm <sup>2</sup> O = 0,071 m <sup>2</sup> /m G = 0,78 kg/m	<b>6 m</b>
	RP 1591	<b>glazing bead</b> 13 mm	A = 1,11 cm <sup>2</sup> O = 0,079 m <sup>2</sup> /m G = 0,87 kg/m	<b>6 m</b>
	RP 1637	<b>glazing bead</b> 18 mm	A = 1,26 cm <sup>2</sup> O = 0,089 m <sup>2</sup> /m G = 0,99 kg/m	<b>6 m</b>
	RP 1606	<b>glazing bead</b> 23 mm	A = 1,41 cm <sup>2</sup> O = 0,099 m <sup>2</sup> /m G = 1,11 kg/m	<b>6 m</b>
	RP 1668	<b>glazing bead</b> 28 mm	A = 1,56 cm <sup>2</sup> O = 0,109 m <sup>2</sup> /m G = 1,23 kg/m	<b>6 m</b>
	RP 1657	<b>glazing bead</b> 33 mm	A = 1,71 cm <sup>2</sup> O = 0,119 m <sup>2</sup> /m G = 1,34 kg/m	<b>6 m</b>
	RP 1819	<b>glazing bead</b> 43 mm	A = 2,01 cm <sup>2</sup> O = 0,139 m <sup>2</sup> /m G = 1,58 kg/m	<b>6 m</b>

<sup>1)</sup>A = section surface, O = outside circumference, G = weight

- E.E. And we reserve the right to effect modifications -

## 4.4 Articles overview

### Seals

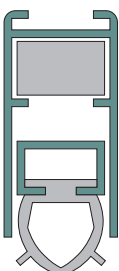
Doors and partitions  
RP-hermetic 75 FB6

	art.-no.	description additional info	PU
	<b>300 500</b>	glazing seal 3 mm sealing profile EPDM, black	<b>100 m</b>
	<b>300 650</b>	glazing seal 3 mm, self-adhesive sealing profile EPDM, black	<b>100 m</b>
	<b>304 650</b>	glazing seal 5 mm, self-adhesive sealing profile EPDM, black	<b>100 m</b>
	<b>300 510</b>	glazing seal 3 mm sealing profile EPDM, black	<b>100 m</b>
	<b>304 140</b>	glazing seal 4 mm sealing profile EPDM, black	<b>100 m</b>
	<b>300 520</b>	glazing seal 5 mm sealing profile EPDM, black	<b>100 m</b>
	<b>304 160</b>	glazing seal 6 mm sealing profile EPDM, black	<b>100 m</b>
	<b>300 570</b>	glazing seal 7 mm sealing profile EPDM, black	<b>100 m</b>
	<b>302210</b>	rebate seal sealing profile EPDM, black	<b>100 m</b>

## 4.5 Articles overview

### Automatic floor seals


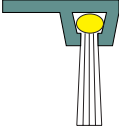
Doors and partitions  
RP-hermetic 75 FB6

	art.-no.	description additional info	PU
		<b>automatic floor seal</b> including accessories and fixation material	
	200 256	primary leaf - available length 637 mm (for leaf rebate dimension 589 - 641 mm)	1 piece
	200 257	primary leaf - available length 762 mm (for leaf rebate dimension 641 - 766 mm)	1 piece
	200 210	primary leaf - available length 887 mm (for leaf rebate dimension 766 - 891 mm)	1 piece
	200 220	primary leaf - available length 1012 mm (for leaf rebate dimension 891 - 1016 mm)	1 piece
	200 230	primary leaf - available length 1137 mm (for leaf rebate dimension 1016 - 1141 mm)	1 piece
	200 240	primary leaf - available length 1262 mm (for leaf rebate dimension 1141 - 1266 mm)	1 piece
	200 245	primary leaf - available length 1387 mm (for leaf rebate dimension 1266 - 1391 mm)	1 piece
	200 250	primary leaf - special dimension on request	1 piece
	200 306	secondary leaf - available length 637 mm (for leaf rebate dimension 589 - 641 mm)	1 piece
	200 307	secondary leaf - available length 762 mm (for leaf rebate dimension 641 - 766 mm)	1 piece
	200 260	secondary leaf - available length 887 mm (for leaf rebate dimension 766 - 891 mm)	1 piece
	200 270	secondary leaf - available length 1012 mm (for leaf rebate dimension 891 - 1016 mm)	1 piece
	200 280	secondary leaf - available length 1137 mm (for leaf rebate dimension 1016 - 1141 mm)	1 piece
	200 290	secondary leaf - available length 1262 mm (for leaf rebate dimension 1141 - 1266 mm)	1 piece
	200 295	secondary leaf - available length 1387 mm (for leaf rebate dimension 1266 - 1391 mm)	1 piece
	200 300	secondary leaf - special dimension on request	1 piece



## 4.5 Articles overview






### Automatic floor seals

	art.-no.	description additional info	PU
	<b>300 100</b>	<b>automatic floor seal</b> including accessories and fixation material  replacement seal for automatic floor seal	<b>1 m</b>
	<b>320 430</b>	brush seal	<b>1 piece</b>

## 4.6 Articles overview

### Fittings




Doors and partitions  
RP-hermetic 75 FB6

	art.-no.	description additional info	PU
	<b>213 010</b>	multiple locking with hook-swing-bolt, 39 mm backset, useable for DIN left and right latch bolt 1 mm proceeding, 92 mm distance, 9 mm square, PC pre-fabricated, with lever handle face plate stainless steel brushed	<b>1 piece</b>
	<b>213 020</b>	lock plate for main lock of the multiple locking art.-no. <b>213 010</b> stainless steel brushed need: 1 piece per locking	<b>1 piece</b>
	<b>213 030</b>	lock plate for multiple locking with hook-swing-bolt art.-no. <b>213 010</b> stainless steel brushed need: 2 pieces per locking	<b>1 piece</b>
	<b>213 040</b>	mortise dead lock 40 mm backset, 92 mm distance, 9 mm square, PC pre-fabricated, flush bolt and latch bolt justified, with lever handle face plate stainless steel brushed DIN right	<b>1 piece</b>
	<b>213 050</b>	DIN left	<b>1 piece</b>
	<b>213 060</b>	lock plate for mortise dead lock stainless steel brushed	<b>1 piece</b>
	<b>966 100</b>	<b>secondary leaf set flush bolt</b> DIN right/left, backset 30  <u>component parts:</u> 200 180 lock plate 200 490 floor bush 200 760 espagnolette lock 200 770 flush bolt 232 310 espagnolette rod top 232 320 espagnolette rod bottom 600 630 lens head countersunk screw M5x20 620 010 universal rivet nut M5	<b>1 piece</b>

## 4.6 Articles overview

### Fittings

Doors and partitions  
RP-hermetic 75 FB6

	art.-no.	description additional info	PU
	<b>966 110</b>	<b>Additional set, rod lock</b> bottom, back set 30  <u>component parts:</u> 200 190 lock plate 200 460 latch push cam 200 470 cranked espagnolette rod 200 480 rod guide for espagnolette rod 600 630 lens head countersunk screw M5x20 620 010 universal rivet nut M5  NOT IN COMBINATION WITH MULTIPLE LOCKING 213 010!	<b>1 piece</b>
	<b>213 120</b>	cover-rosette ZA PC, oval, 34 x 72 mm invisible screwing stainless steel brushed	<b>1 piece</b>
	<b>213 110</b>	ornament ring, diameter 25 mm with PC cutout stainless steel brushed	<b>1 piece</b>
	<b>248 390</b>	weld-on hinge, steel, threepart in special model: hardened for leaf weight up to max. 250 kg  3 hinges per leaf!	<b>1 piece</b>