

HALFEN POWERCLICK SYSTEM 41 + 22

PRODUK TINFORMATION TECHNIK / TECHNICAL PRODUCT INFORMATION



HALFEN POWERCLICK MONTAGESYSTEM
HALFEN POWERCLICK FRAMING SYSTEM

PC41 17

POWERCLICK



HALFEN
YOUR BEST CONNECTIONS

HALFEN POWERCLICK SYSTEM 41 + 22

Powerclick auf einen Blick / Powerclick at a glance

Noch nie war wenig so viel: DREI GRÖSSEN – ein System

Never has so little given so much: THREE SIZES – one system

POWERCLICK SYSTEM 63



Das einzigartige System von umschließenden Verbindungselementen überträgt Biegemomente besser als andere Systeme.

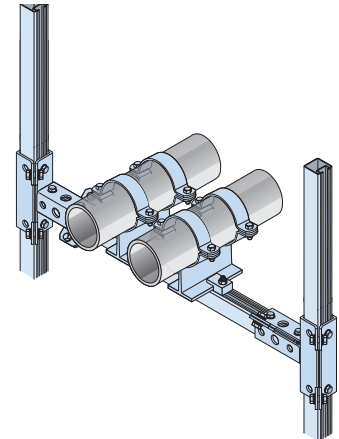
Unique "closed" design of connection elements resists moment forces more effectively than other systems.

Katalog PC 63

Catalogue PC 63



TÜV GEPRÜFT
NACH EN 13480
(BAUMUSTERPRÜFUNG)
POWERCLICK SYSTEM 63
TESTED TO EN 13480
(TYPE TESTED)
BY TÜV



POWERCLICK SYSTEM 41

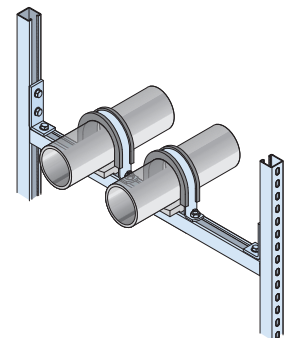
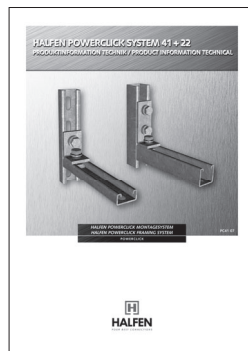


Vormontierte Verbindungsteile – komfortabel für den Planer und zeitsparend auf der Baustelle.

Pre-assembled connection hardware is convenient for the designer, and saves time on-site.

Katalog PC 41

Catalogue PC 41



POWERCLICK SYSTEM 22

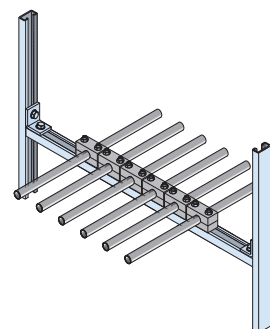
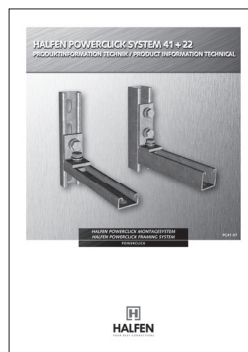


Für kleine Rohrdurchmesser - kompatibel mit unseren Systemen 63 und 41.

For small diameter piping. Fully compatible with 41 and 63 systems.

Katalog PC 41

Catalogue PC 41

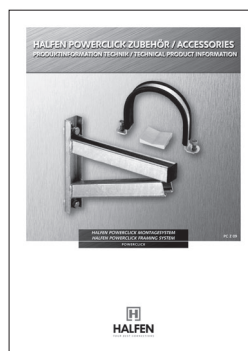


POWERCLICK ZUBEHÖR POWERCLICK ACCESSORIES

Konsolen, Rohrschellen, Gleitlager
Cantilever arms, pipe clamps, sliding supports

Katalog PC Z

Catalogue PC Z

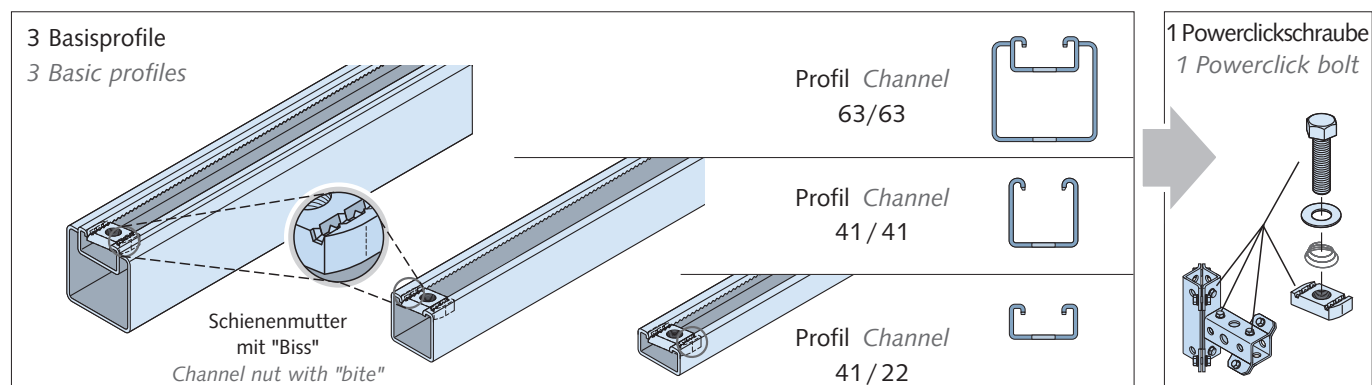
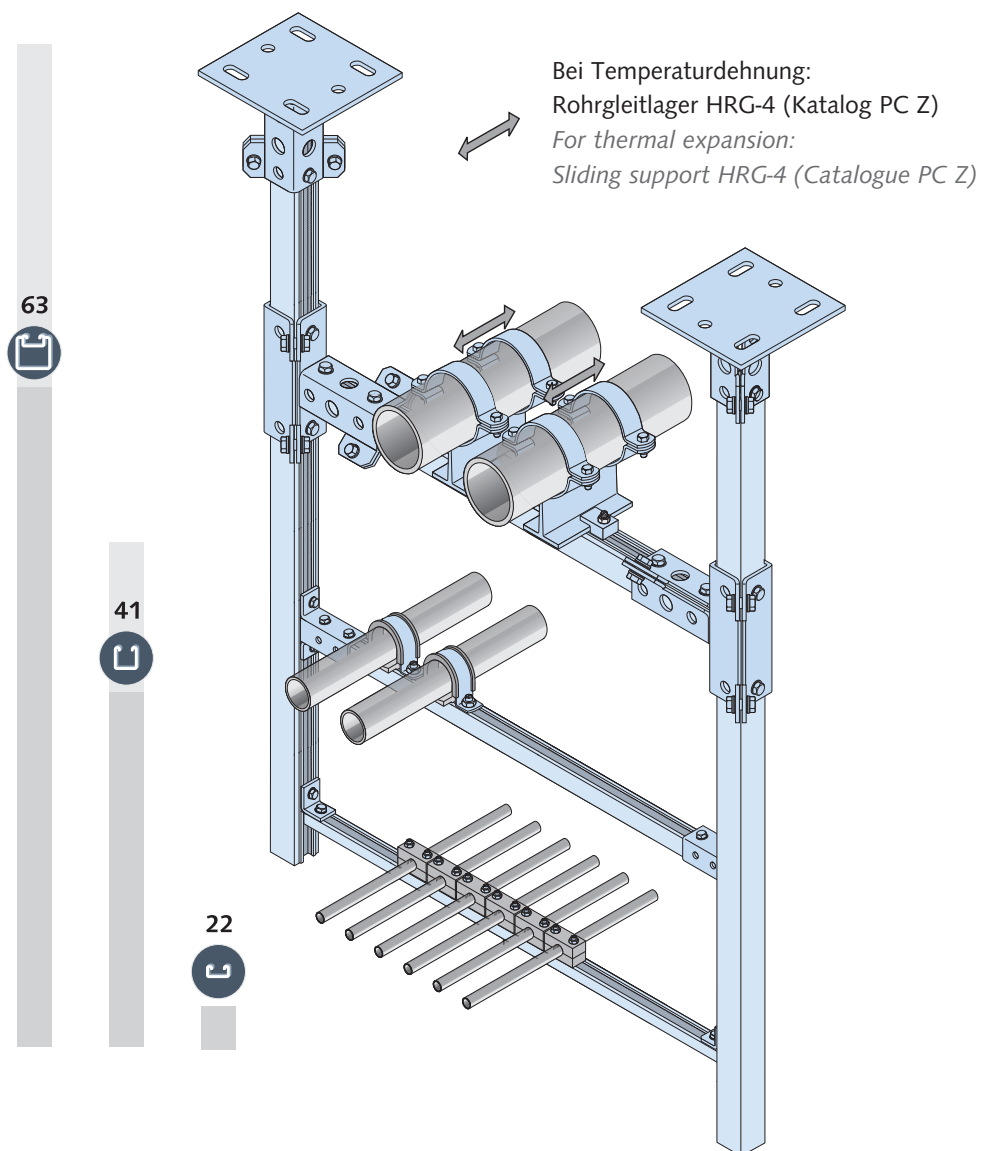


HALFEN POWERCLICK SYSTEM 41 + 22

Einfache und zeitsparende Montage / Simple and Time Saving Assembly

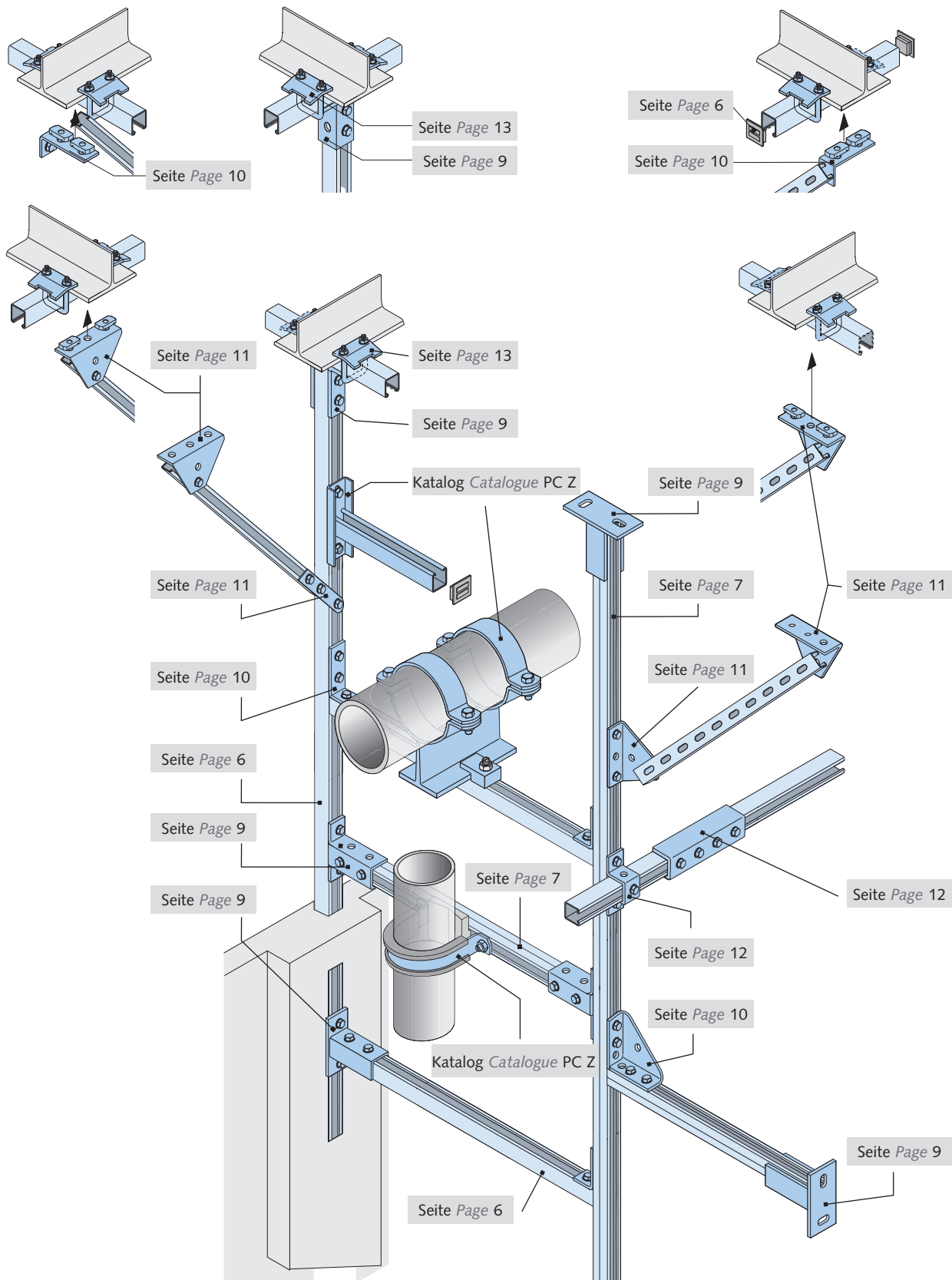
Ein kompatibles System für wirtschaftliche Unterstützungen

One system compatible with all channels for economical supports





Bauteilanschlüsse *Structural connections*



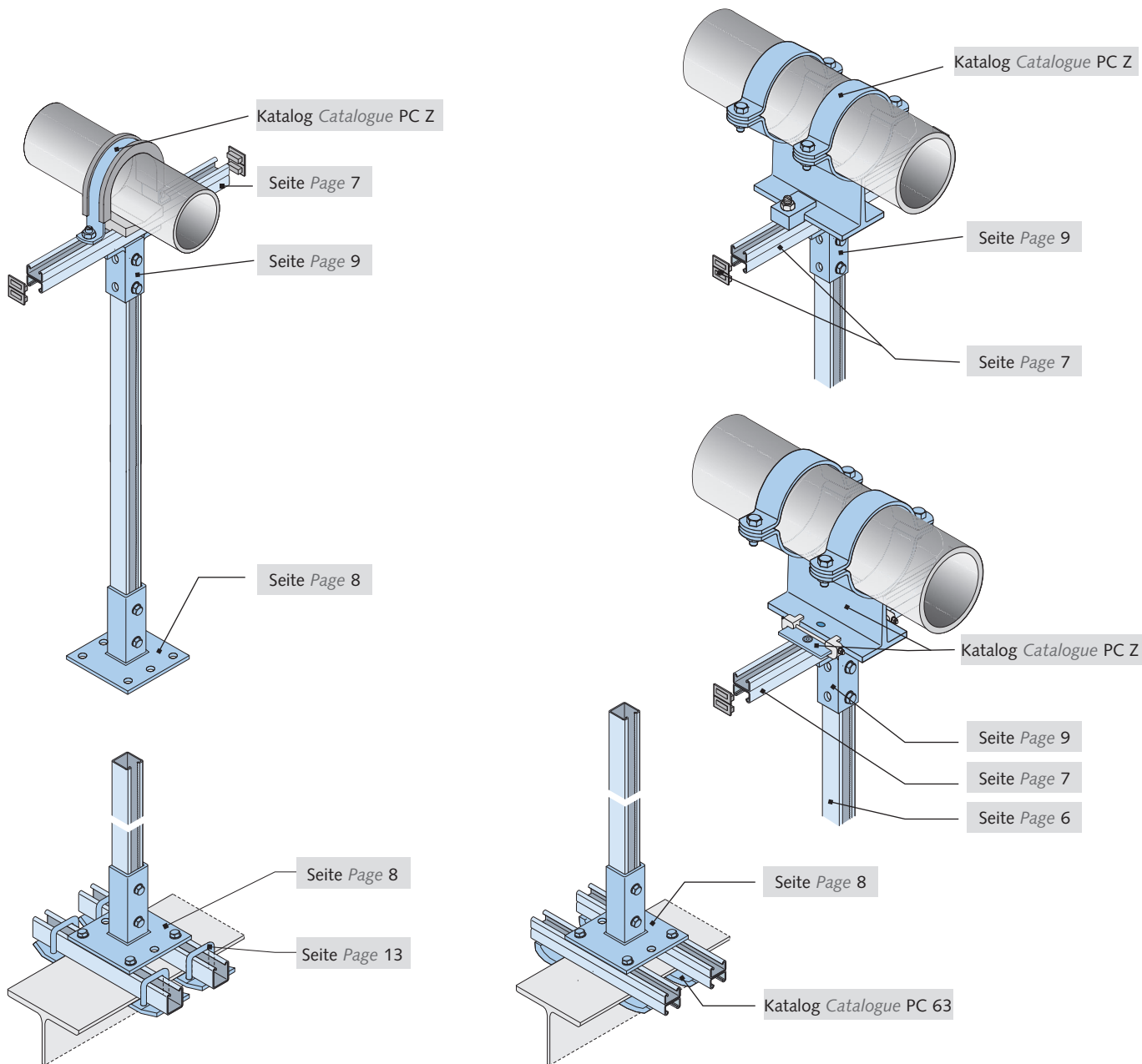
HALFEN POWERCLICK SYSTEM 41 + 22

Powerclick Montagesystem 41 / Powerclick Framing System 41



Bauteilanschlüsse

Structural connections



Werkstoff / Ausführung:

Material / Finish:

fv ①	S235JR feuerverzinkt (stückverzinkt)	S235JR hot-dip galvanized (piece galvan.)
A4	Edelstahl 1.4571/1.4404	Stainless steel grade 1.4571/1.4404

- Verbindungsteil **fv**, Zinkauflage > 50 µm
- ① - Schraubverbindung **fv**, Zinkauflage > 45 µm
- Profil **fv**, Zinkauflage > 50 µm

- Connection part **hdg**, zinc coating > 50 µm
- Bolt connection **hdg**, zinc coating > 45 µm
- Profile **hdg**, zinc coating > 50 µm

Verfügbarkeit / Availability:

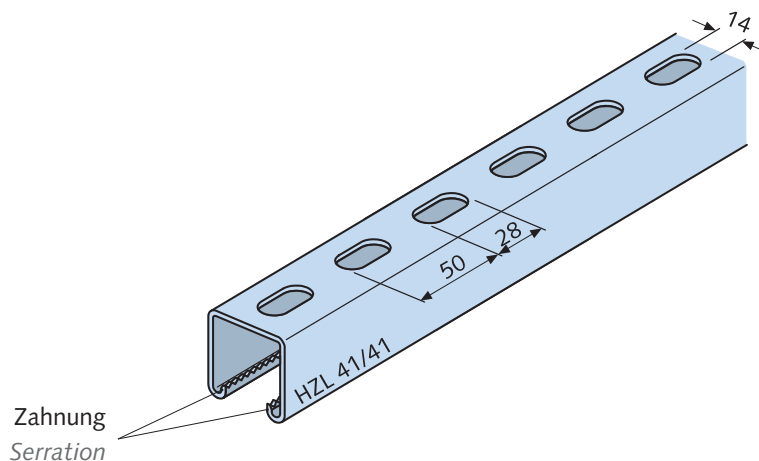
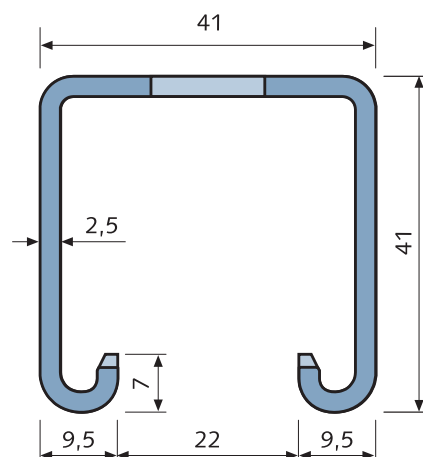
● = Standard/Off-the-shelf components

HALFEN POWERCLICK SYSTEM 41 + 22

Montageschienen Powerclick System 41 / Framing Channels Powerclick System 41



Profil 41/41 Channel 41/41



Zahnung
Serration

Nennmaße / Nominal dimensions
[mm]

Das Profil ist durch formschlüssige Lastaufnahme für erhöhte Beanspruchung in Schienenlängsrichtung geeignet.

Due to the serrated profile lips the channel resists high loads in the longitudinal direction.

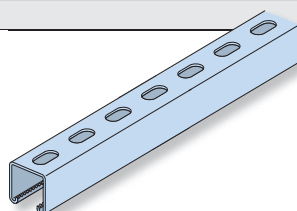
Produktdaten Product Data

Profil Channel

HXL 41/41

Länge: 6000mm; gezahnt, gelocht

Length: 6000mm; serrated, slotted



Materialausführung Material, finish	Bestell-Nr. Part no.	Standard =	Profilgewicht Channel weight G [kg/m]	Profilquerschnitt Cross section A [cm²]	Trägheitsmoment Moment of inertia I _y [cm⁴] I _z [cm⁴]	Widerstandsmoment Section modulus W _y [cm³] W _z [cm³]	Max. zul. Punktt Tragfähigkeit Max. perm. point loading F [kN] ≤ L [cm]	Biegetragfähigkeit bei Spannweite L Safe load at span L F [kN]
fv	00002	●	2,46	2,90	5,87 9,04	2,69 4,38	5,6 30,0	3,3 1,7 1,1
A4	00003	●						

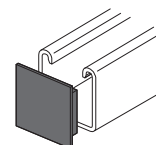
fv = feuerverzinkt hot-dip galvanized A4 = Edelstahl A4 Stainless steel grade A4

Zubehör Accessories

Profilendstopfen Channel end cap

Werkstoff: PVC, schwarz, temperaturbeständig
-40° - +110°C

Material: plastic (PVC), black, temperature range -40° - +110°C

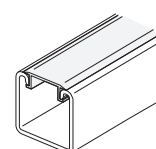


Bezeichnung Description	Bestell-Nr. Part no.	[Stck / Pcs.]
HPE 41/41	0318.000-00003	100 ●

Profilabdeckung Channel cover

Werkstoff: PVC hart, weiß, temperaturbeständig
-40° - +110°C

Material: plastic (PVC), white, temperature range -40° - +110°C



Bezeichnung Description	Bestell-Nr. Part no.	Lieferlänge Length [mm]
PA 41 - KS - 3000	0321.000-00002	3000 ●

Bestellbeispiel:
Order example:

Bezeichnung / Description

HXL 41 / 41 - A4 - 6000

oder
or

Bestell-Nr. / Part no.

0283.010-00003

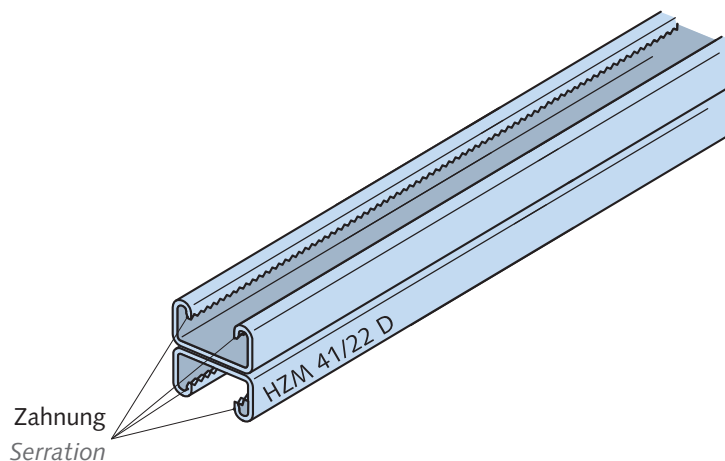
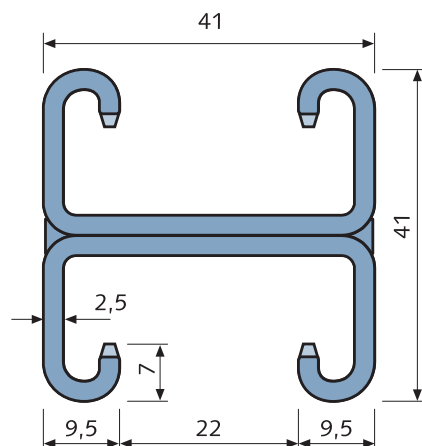
HALFEN POWERCLICK SYSTEM 41 + 22

Montageschienen Powerclick System 41 / Framing Channels Powerclick System 41



Profil 41/22 D

Channel 41/22 D



Nennmaße / Nominal dimensions
[mm]

Das Profil ist durch formschlüssige Lastaufnahme für erhöhte Beanspruchung in Schienenlängsrichtung geeignet.

Due to the serrated profile lips the channel resists loads in the longitudinal direction.

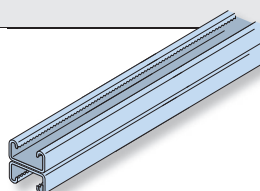
Produktdaten Product Data

Profil Channel

HZM 41/22 D

Länge: 6070mm; gezahnt

Length: 6070mm; serrated



Materialausführung Material, finish	Bestell-Nr. Part no.	Standard =	Profilgewicht Channel weight G [kg/m]	Profilquerschnitt Cross section A [cm²]	Trägheitsmoment Moment of inertia I _y [cm⁴] I _z [cm⁴]	Widerstandsmoment Section modulus W _y [cm³] W _z [cm³]	Max. zul. Punktt Tragfähigkeit Max. perm. point loading F [kN] ≤ L [cm]	Biegetragfähigkeit bei Spannweite L Safe load at span L F [kN]
fv	00002	●	3,58	4,66	5,64 11,0	2,68 5,33	5,6 30,0	3,3 1,7 1,1
A4	00003	●						

fv = feuerverzinkt hot-dip galvanized A4 = Edelstahl A4 Stainless steel grade A4

Bestellbeispiel:
Order example:

Bezeichnung / Description

HZM 41/22 D - A4 - 6070

oder
or

Bestell-Nr. / Part no.

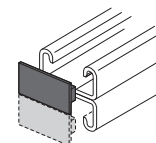
0284.040-00003

Zubehör Accessories

Profilendstopfen Channel end cap

Werkstoff: PVC, schwarz, temperaturbeständig
-40° - +110°C

Material: plastic (PVC), black, temperature range -40° - +110°C

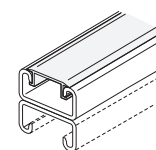


Bezeichnung Description	Bestell-Nr. Part no.	[Stck / Pcs.]
HPE 41/22	0318.000-00004	100 ●

Profilabdeckung Channel cover

Werkstoff: PVC hart, weiß, temperaturbeständig
-40° - +110°C

Material: plastic (PVC), white, temperature range -40° - +110°C



Bezeichnung Description	Bestell-Nr. Part no.	Lieferlänge Length [mm]
PA 41 - KS - 3000	0321.000-00002	3000 ●

HALFEN POWERCLICK SYSTEM 41 + 22

Verbindungssteile Powerclick System 41 / Fittings Powerclick System 41

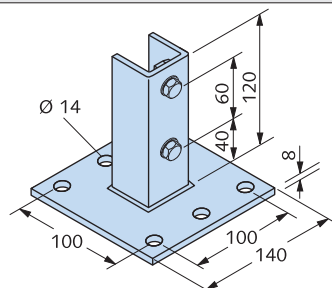


Stützenfuß: Beton- und Montageschienenanschluss

Fixing plate: Connection to concrete and framing channel

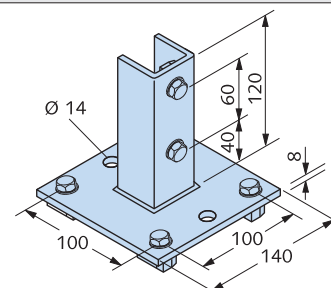
HCS - VT41 - 57/2

2 Schrauben vormontiert
2 bolts pre-assembled



HCS - VT41 - 57/6

6 Schrauben vormontiert
6 bolts pre-assembled

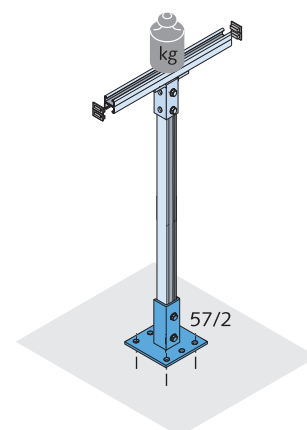
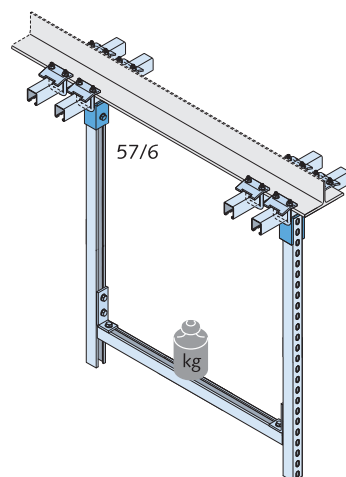
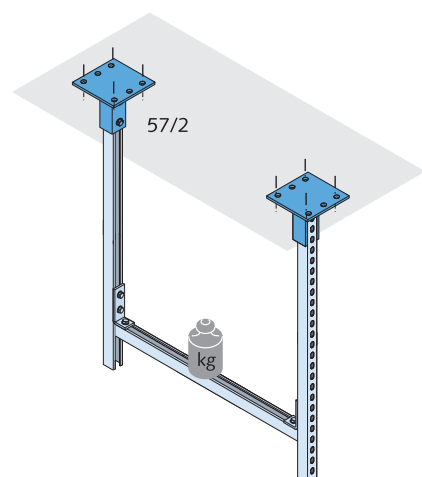
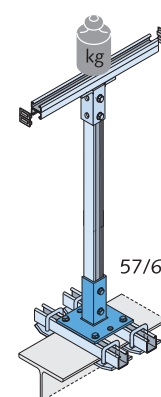
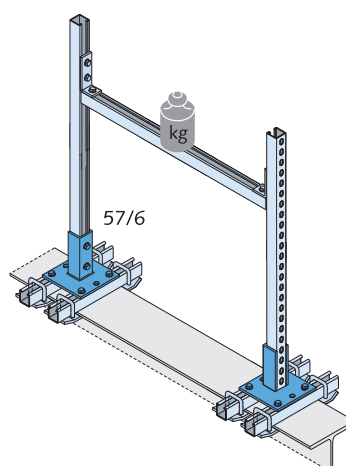
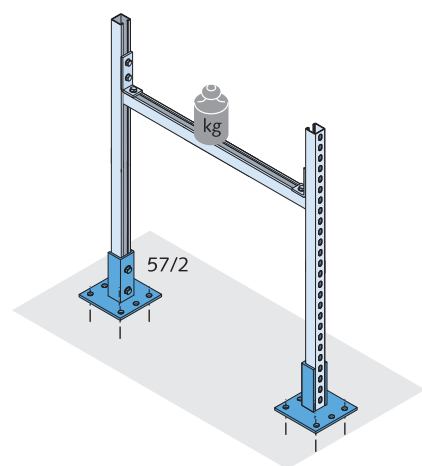


Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 57/2 - fv	0300.010-00023	10	●
HCS - VT41 - 57/2 - A4	0300.010-00022	10	●
fv = feuerverzinkt hot-dip galvanized A4 = Edelstahl A4 Stainless steel grade A4			

Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 57/6 - fv	0300.010-00026	10	●
HCS - VT41 - 57/6 - A4	0300.010-00025	10	●
fv = feuerverzinkt hot-dip galvanized A4 = Edelstahl A4 Stainless steel grade A4			

Anwendungsbeispiele

Application examples



HALFEN POWERCLICK SYSTEM 41 + 22

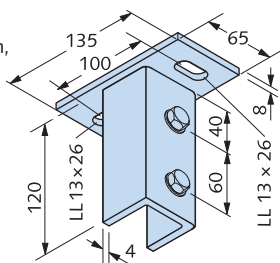
Verbindungsteile Powerclick System 41 / Fittings Powerclick System 41



Betonanschluss Connection to concrete

HCS - VT41 - 58/2

Profilfuß,
mit 2 Schrauben,
vormontiert
Support base
incl. 2 bolts,
pre-assembled

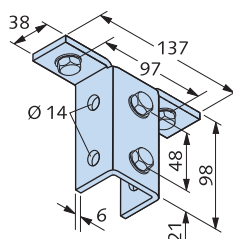


Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 58/2 - fv	0300.010-00029	10	●
HCS - VT41 - 58/2 - A4	0300.010-00028	10	●
fv = feuerverzinkt A4 = Edelstahl A4	hot-dip galvanized Stainless steel grade A4		

Träger- und Montageschienenanschluss Connections to steel beam and framing channel

HCS - VT41 - 46/4v

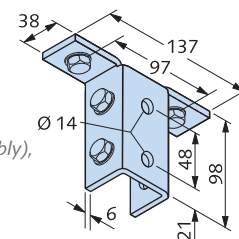
T - Verbinder
mit 4 Schrauben,
vormontiert
T - Connector
incl. 4 bolts,
pre-assembled



Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 46/4v - fv	0300.010-00041	10	●
HCS - VT41 - 46/4v - A4	0300.010-00040	10	●
fv = feuerverzinkt A4 = Edelstahl A4	hot-dip galvanized Stainless steel grade A4		

HCS - VT41 - 46/4s

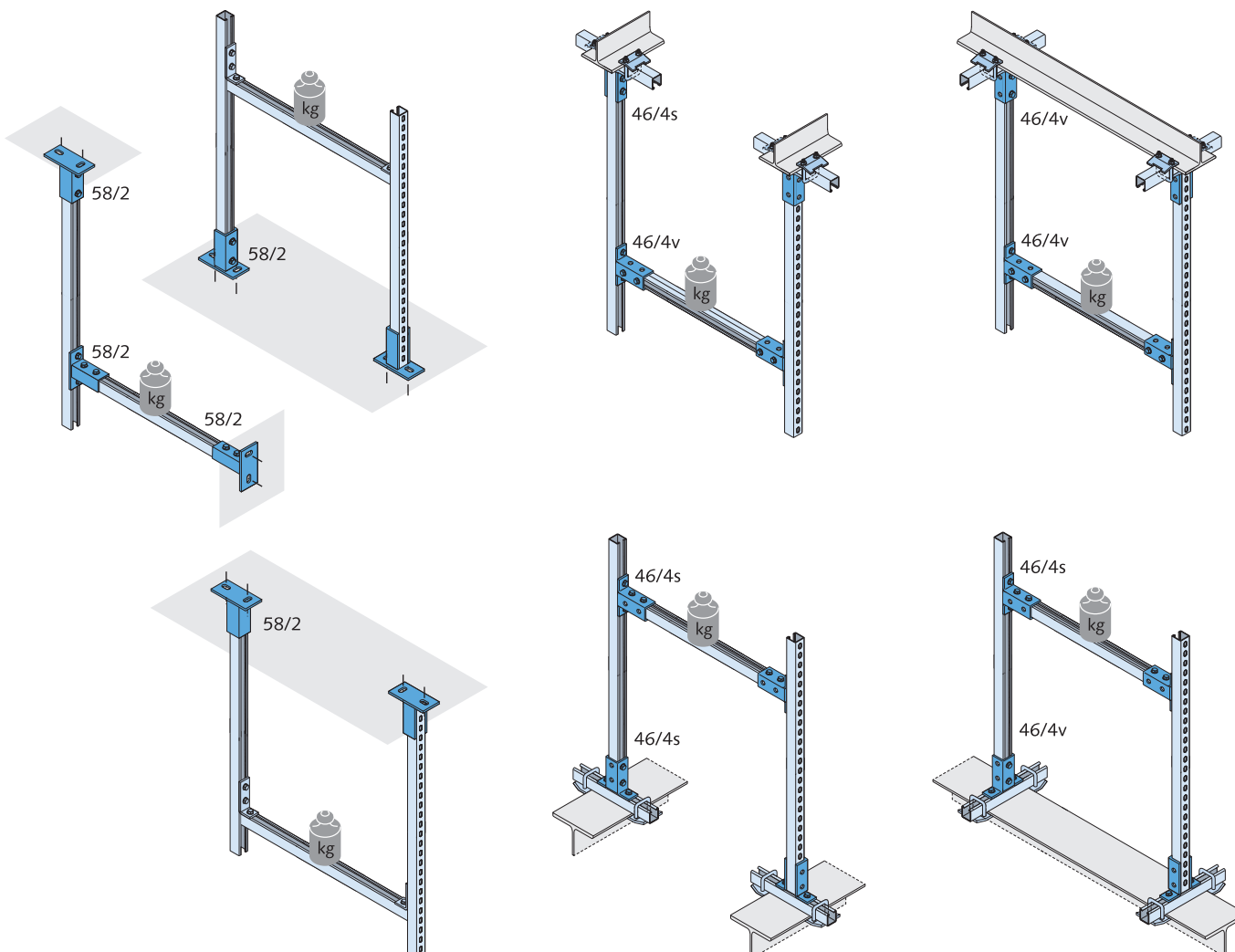
T - Verbinder
mit 4 Schrauben
(davon 2 seitlich),
vormontiert,
T - Connector
incl. 4 bolts
(2 bolts side assembly),
pre-assembled



Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 46/4s - fv	0300.010-00038	10	●
HCS - VT41 - 46/4s - A4	0300.010-00037	10	●
fv = feuerverzinkt A4 = Edelstahl A4	hot-dip galvanized Stainless steel grade A4		

Anwendungsbeispiele

Application examples



HALFEN POWERCLICK SYSTEM 41 + 22

Verbindungssteile Powerclick System 41 / Fittings Powerclick System 41

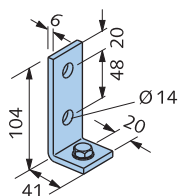


Montageschienenanschlüsse

Connection to framing channel

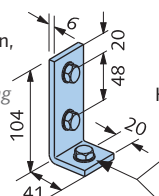
HCS - VT41 - 26/1

90° Winkel
mit 1 Schraube,
vormontiert
90° angle fitting
incl. 1 bolt,
pre-assembled



HCS - VT41 - 26/3

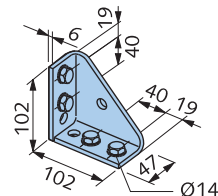
90° Winkel
mit 3 Schrauben,
vormontiert
90° angle fitting
incl. 3 bolts,
pre-assembled



Hinweis: Bei
Montage mit
Steckschlüssel
HCS - VT41 - 84
bevorzugen!
If using socket wrench
for assembly, prefer
type HCS - VT41 - 84!

HCS - VT41 - 84/4

Eckverbinder
mit 4 Schrauben,
vormontiert
corner angle bracket
incl. 4 bolts,
pre-assembled



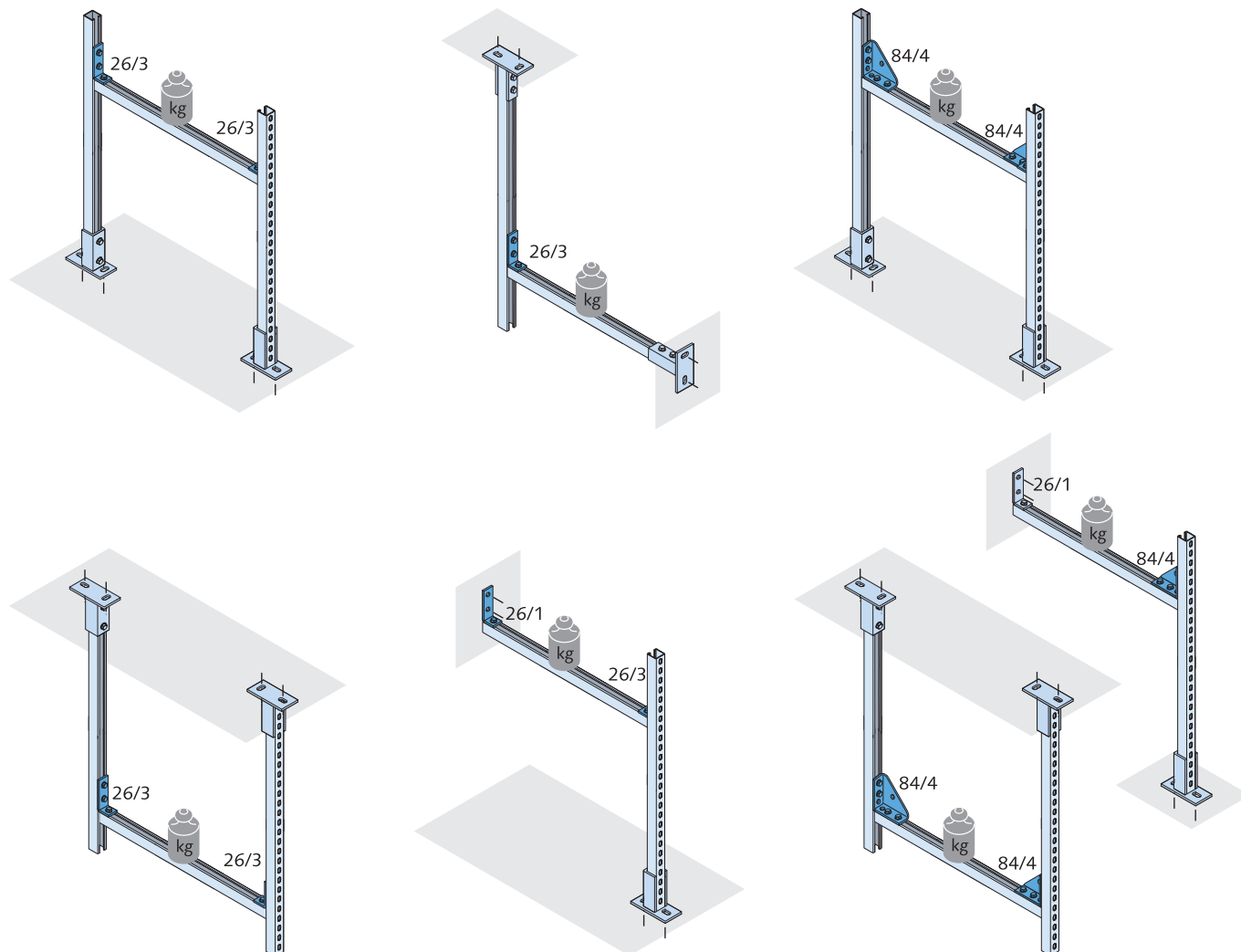
Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 26/1 - fv	0300.010-00005	10	●
HCS - VT41 - 26/1 - A4	0300.010-00004	10	●
fv = feuerverzinkt A4 = Edelstahl A4	hot-dip galvanized Stainless steel grade A4		

Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 26/3 - fv	0300.010-00008	10	●
HCS - VT41 - 26/3 - A4	0300.010-00007	10	●
fv = feuerverzinkt A4 = Edelstahl A4	hot-dip galvanized Stainless steel grade A4		

Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 84/4 - fv	0300.010-00035	10	●
HCS - VT41 - 84/4 - A4	0300.010-00034	10	●
fv = feuerverzinkt A4 = Edelstahl A4	hot-dip galvanized Stainless steel grade A4		

Anwendungsbeispiele

Application examples



HALFEN POWERCLICK SYSTEM 41 + 22

Verbindungssteile Powerclick System 41 / Fittings Powerclick System 41

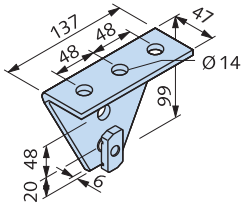


Beton- und Montageschienenanschluss

Connection to concrete and framing channel

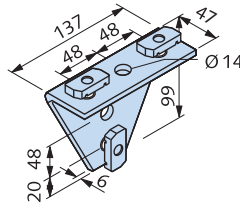
HCS - VT41 - 27/1

Aussteifungswinkel
mit 1 Schraube,
vormontiert
90° angle fitting
incl. 1 channel nut
and set screw,
pre-assembled



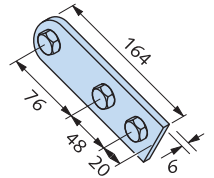
HCS - VT41 - 27/3

Aussteifungswinkel
mit 3 Schrauben,
vormontiert
90° angle fitting
incl. 3 channel nuts
and set screws,
pre-assembled



HCS - VT41 - 22/3

Montageschienenanschluss:
Aussteifungsplatte
mit 3 Schrauben,
vormontiert
Framing channel
connection:
Flat plate
incl. 3 channel nuts
and set screws,
pre-assembled



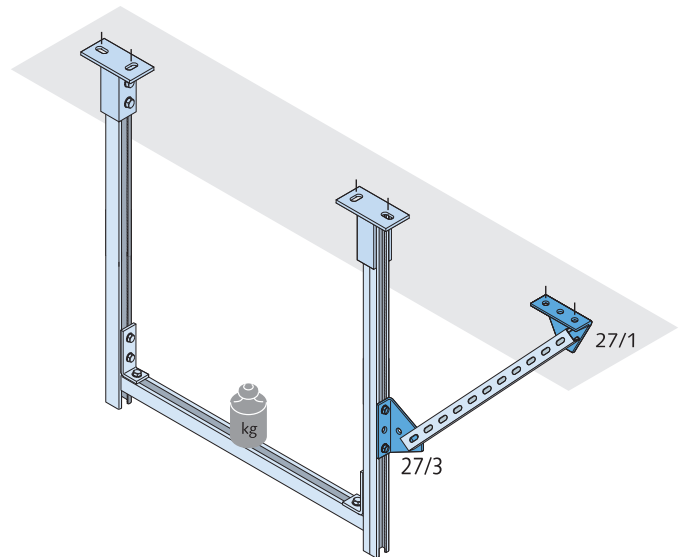
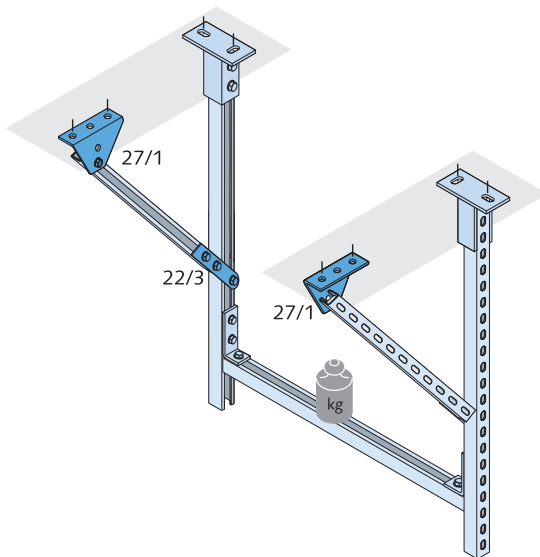
Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 27/1 - fv	0300.010-00011	10	●
HCS - VT41 - 27/1 - A4	0300.010-00010	10	●
fv = feuerverzinkt A4 = Edelstahl A4	hot-dip galvanized Stainless steel grade A4		

Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 27/3 - fv	0300.010-00014	10	●
HCS - VT41 - 27/3 - A4	0300.010-00013	10	●
fv = feuerverzinkt A4 = Edelstahl A4	hot-dip galvanized Stainless steel grade A4		

Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 22/3 - fv	0300.010-00002	10	●
HCS - VT41 - 22/3 - A4	0300.010-00001	10	●
fv = feuerverzinkt A4 = Edelstahl A4	hot-dip galvanized Stainless steel grade A4		

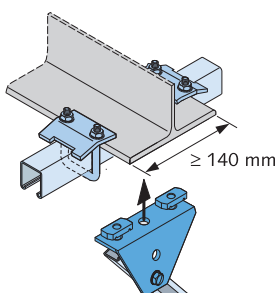
Anwendungsbeispiele

Application Examples



Anbindung der Aussteifung am Träger Connection of the bracing to the beam

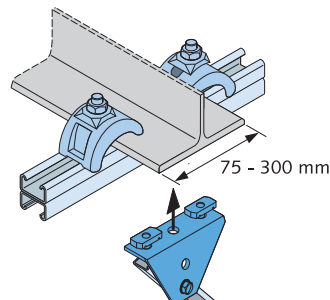
Flanscbreite flange width ≥ 140 mm
Flanschdicke flange thickness 10 – 22 mm



HCS-VT41-27/3

Trägerklemme HVT41 - 85
(→ S. 13)
alternatively
beam clamp HVT41 - 85
(→ p. 13)

Flanscbreite flange width 75 – 300 mm
Flanschdicke flange thickness 5 – 40 mm



HCS-VT41-27/3

alternativ
Trägerklemme HCS - TK - fv
(→ S. 13 oder Katalog PC 63)
alternatively
beam clamp HCS - TK - fv
(→ p. 13 or catalogue PC 63-E)

HALFEN POWERCLICK SYSTEM 41 + 22

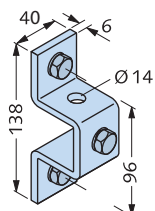
Verbindungssteile Powerclick System 41 / Fittings Powerclick System 41



Montageschienenanschluss *Connection to framing channel*

HCS - VT41 - 47/3

U-Bügel mit
3 Schrauben,
vormontiert
*Channel U-fitting
incl. 3 channel nuts,
pre-assembled*

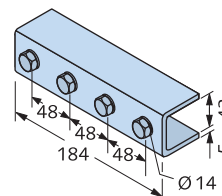


Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 47/3 - fv	0300.010-00020	10	●
HCS - VT41 - 47/3 - A4	0300.010-00019	10	●
fv = feuerverzinkt <i>hot-dip galvanized</i> A4 = Edelstahl A4 <i>Stainless steel grade A4</i>			

Montageschienenstoß *Connection to framing channel*

HCS - VT41 - 77/4

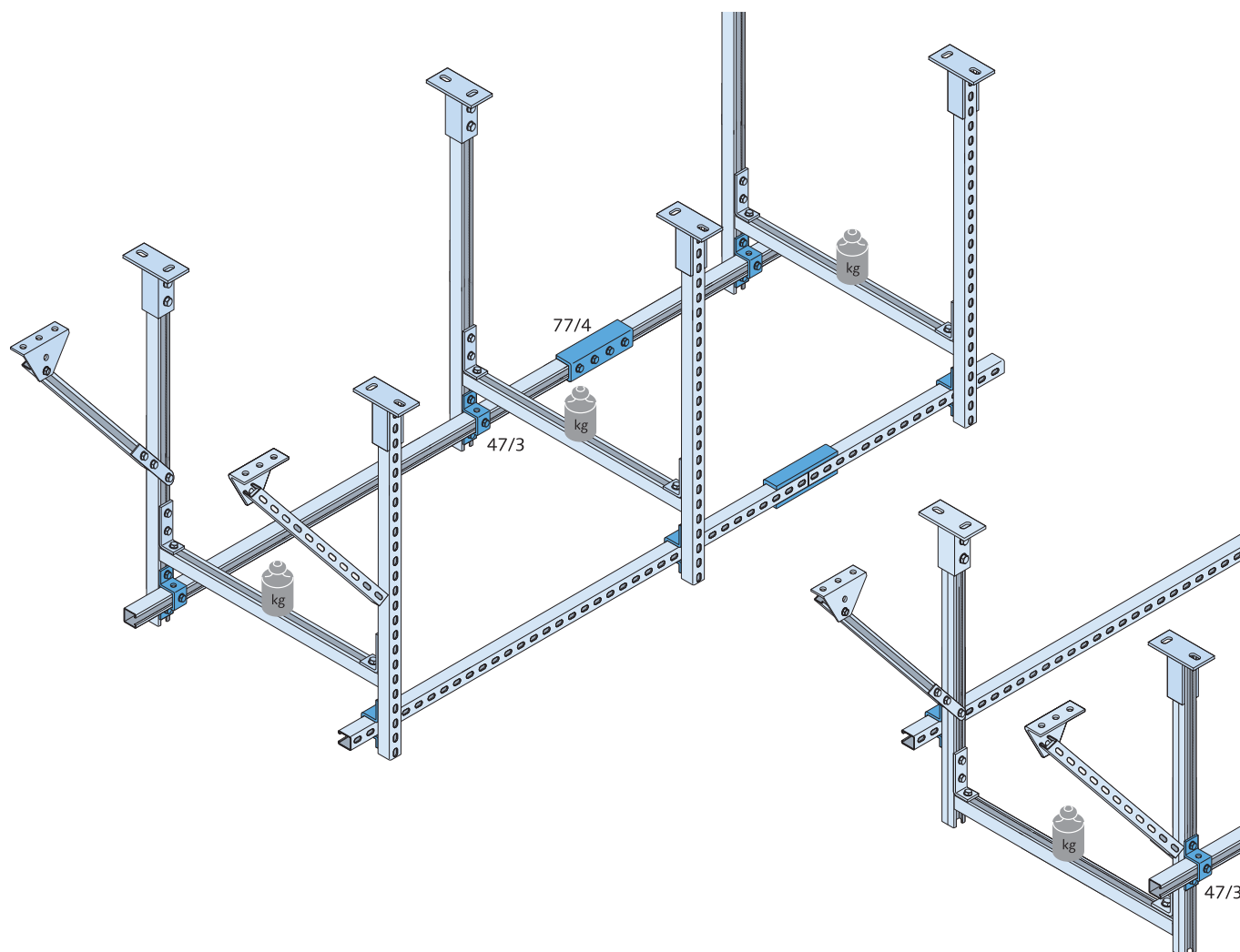
Profilverbinder mit
4 Schrauben,
vormontiert
*Channel coupler
incl. 4 channel nuts,
pre-assembled*



Bezeichnung Description	Bestell-Nr. Part no.		
HCS - VT41 - 77/4 - fv	0300.010-00032	10	●
HCS - VT41 - 77/4 - A4	0300.010-00031	10	●
fv = feuerverzinkt <i>hot-dip galvanized</i> A4 = Edelstahl A4 <i>Stainless steel grade A4</i>			

Anwendungsbeispiele

Application examples



HALFEN POWERCLICK SYSTEM 41 + 22

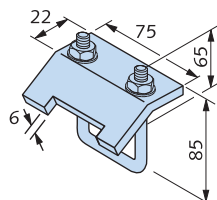
Verbindungssteile Powerclick System 41 / Fittings Powerclick System 41



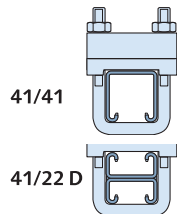
Trägerklemme: Trägeranschluss *Beam clamp: Connection to steel beam*

HVT41 - 85

Trägerklemme
Beam clamp



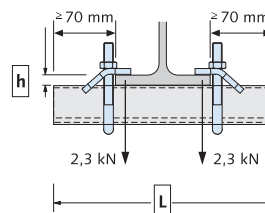
passend zu Profilen:
Fits channels:



Bezeichnung <i>Description</i>	Bestell-Nr. <i>Part no.</i>		
HVT41 - 85 - fv	0312.030-00042	50	●
HVT41 - 85 - A4	0312.030-00085	50	●
fv = feuerverzinkt <i>hot-dip galvanized</i> A4 = Edelstahl A4 <i>Stainless steel grade A4</i>			

Montagehinweis *Assembly note*

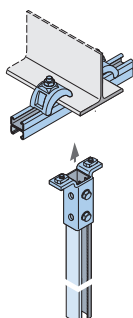
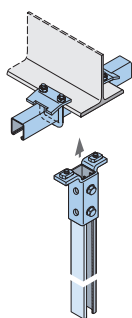
Trägerklemme, Einsatz paarweise
Tragfähigkeit pro Klemme: 2,3 kN
Beam clamp used in pairs
Bearing capacity per clamp: 2.3 kN:



$h = 10 - 22 \text{ mm}$ Flanschdicke
10 - 22 mm Flange thickness
 $L \geq \text{Trägerflanschbreite} + (2 \times 70 \text{ mm})$
Beam flange width + (2 × 70 mm)

Auswahl Trägeranschlüsse *Selection of beam connections*

	Leitung <u>ohne</u> Dehnung <i>Pipe without expansion</i>
	Träger - Flanschbreite [mm] <i>Beam - flange width [mm]</i>
≥ 140	alternat. 75 - 300
	Flanschdicke [mm] <i>Flange thickness [mm]</i>
10 - 22	5 - 40



Bestellen Sie:
To order:

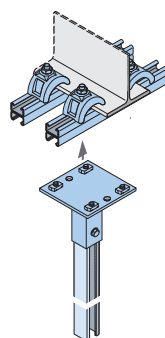
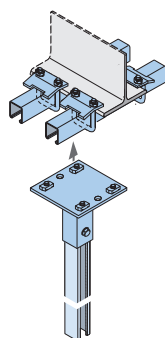
HVT41 - 85 - fv
oder *or*
HVT41 - 85 - A4

Best.-Nr. siehe oben
Part no. see above

Bestellen Sie:
To order:

HCS - TK - fv
Best.-Nr. / *Part no.*
0308.030-00001
und *and*
H2S 41/41 - fv - M12×100
Best.-Nr. / *Part no.*
0323.010-00013
und *and*
MU M12 - fv
Best.-Nr. / *Part no.*
0360.050-00006

	Leitung <u>mit</u> Dehnung <i>Pipe with expansion</i>
	Träger - Flanschbreite [mm] <i>Beam - flange width [mm]</i>
≥ 140	alternat. 75 - 300
	Flanschdicke [mm] <i>Flange thickness [mm]</i>
10 - 22	5 - 40



Bestellen Sie:
To order:

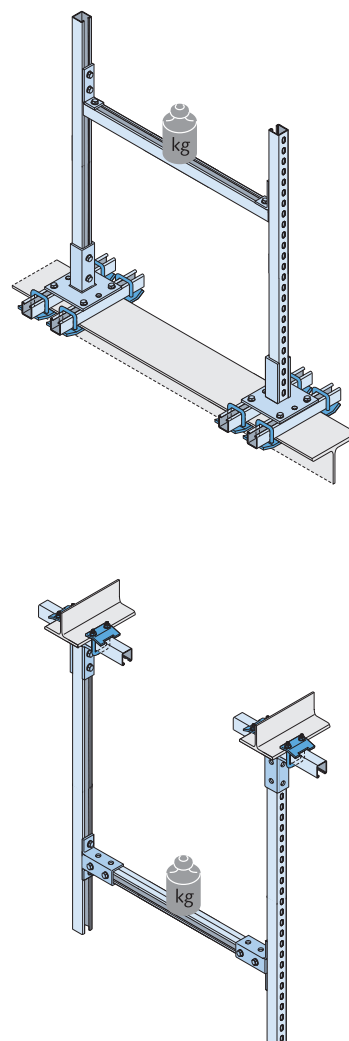
HVT41 - 85 - fv
oder *or*
HVT41 - 85 - A4

Best.-Nr. siehe oben
Part no. see above

Bestellen Sie:
To order:

HCS - TK - fv
Best.-Nr. / *Part no.*
0308.030-00001
und *and*
H2S 41/41 - fv - M12×100
Best.-Nr. / *Part no.*
0323.010-00013
und *and*
MU M12 - fv
Best.-Nr. / *Part no.*
0360.050-00006

Anwendungen *Applications*



HALFEN POWERCLICK SYSTEM 41 + 22

Statik Powerclick System 41 / Load information for Powerclick System 41



Zul. Betriebslasten F_Z max für Rahmenkonstruktionen

Rated loads F_Z max per for framework

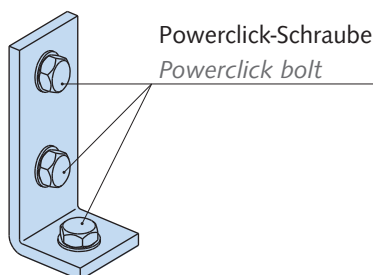
		Zulässige Betriebslast F_Z max [kN] bei Stablänge L [mm] Rated load F_Z max [kN] for channel length L [mm]							Profile Channel HZL 41/41 HZM 41/22 D Anbindung an Baukörper Fixing conditions	
		L = 400 F_Z [kN]	L = 600 F_Z [kN]	L = 800 F_Z [kN]	L = 1000 F_Z [kN]	L = 1200 F_Z [kN]	L = 1400 F_Z [kN]	L = 1600 F_Z [kN]	Beton Concrete	Träger Beam
	max F_Z kg	4,29	2,88	2,17	1,74	1,45	1,24	1,09		
		2,60	2,60	1,98	1,58	1,32	1,13	0,99		
	max F_Z kg	3,16	2,14	1,62	1,30	1,08	0,90	0,69		
		1,30	1,30	1,30	1,18	0,99	0,85	0,69		
	max F_Z kg	2,17	1,45	1,09	0,87	0,72	0,62	0,50		
		0,87	0,87	0,87	0,79	0,66	0,57	0,50		
	max F_Z kg	1,79	1,20	0,90	0,72	0,60	0,49	0,38		
		0,65	0,65	0,65	0,65	0,55	0,47	0,38		
	max F_Z kg	1,45	0,97	0,72	0,58	0,48	0,41	0,32		
		0,52	0,52	0,52	0,52	0,44	0,38	0,32		
Erläuterungen Explanations 		= Einzelkraft pro Lasteinleitung (z.B. Leitungen ohne Dehnung) = Point load without lateral forces (e.g. pipes without expansion)							Aussteifungen sind bei Nichteinhaltung der statischen Vorgaben, z.B. H > 800 mm, notwendig. Bracings are required when exceeding the static limits, e.g. when H > 800 mm.	
		= aus Überlagerung / Superposition F_x oder / or $F_y = 0,3 \times F_Z$ max (z.B. Leitungen mit Dehnung oder Windlasten) (Point loads with lateral forces)							Die Befestigung mittels Dübel und Verbundanker muss bauseits nachgewiesen werden. Fixings using site drilled bolts and adhesion anchors must be site tested.	



Zul. Betriebslasten $F_z \max$ für freistehende Unterstüzung *Rated loads $F_z \max$ per for freestanding supports*

		Zulässige Betriebslast $F_z \max$ [kN] bei Stablänge H [mm] <i>Rated load $F_z \max$ [kN] for channel length H [mm]</i>						Profile Channel HZL 41/41 HZM 41/22 D	
		H = 600 F_z [kN]	H = 700 F_z [kN]	H = 800 F_z [kN]	H = 900 F_z [kN]	H = 1000 F_z [kN]	H = 1200 F_z [kN]	Anbindung an Baukörper <i>Fixing Conditions</i>	
		einachsige außermittige Lastenleitung ± 50 mm <i>Loads ± 50 mm uniaxial eccentricity</i>						 Beton Concrete	 Träger Beam
		6,28	5,39	4,71	4,19	3,77	3,14		
		1,87	1,62	1,30	1,04	0,85	0,60	 Beton Concrete	 Träger Beam
Erläuterungen <i>Explanations</i>		= Einzelkraft pro Lastenleitung (z.B. Leitungen ohne Dehnung) = Point load without lateral forces (e.g. pipes without expansion)						Aussteifungen sind bei Nichteinhaltung der statischen Vorgaben, z.B. H > 800 mm, notwendig. Bracings are required when exceeding the static limits, e.g. when H > 800 mm.	
		= aus Überlagerung / Superposition F_x oder / or $F_y = 0,3 \times F_z \max$ (z.B. Leitungen mit Dehnung oder Windlasten) (Point loads with lateral forces)						Die Befestigung mittels Dübel und Verbundanker muss bauseits nachgewiesen werden. Fixings using site drilled bolts and adhesion anchors must be site testing.	

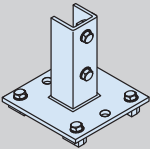
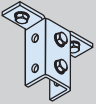
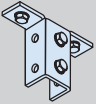
Anzugsdrehmomente *Tightening torque*



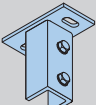
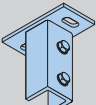
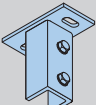
Stahl Steel	60 Nm
Edelstahl A4 Stainless steel grade A4	55 Nm

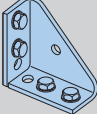
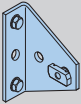
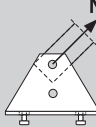
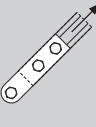
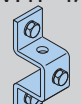
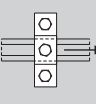
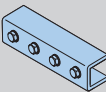


Max. Schnittgrößen bei Gebrauchslast für Verbindungsteile
Max. stress resultant for the service load in the connected element

Typ / Type		Empfohlene max. Werte Recommended max. loads		
		$\pm N$ [kN]	$\pm Q$ [kN]	$\pm M$ [kNcm]
HCS - VT41 - 57 		geklemmt		
		2,50	0,75	40,0
		gedübelt		
		$\pm 3,00$ $\pm 5,00$	$\pm 3,00$ $\pm 5,00$	$\pm 20,00$ $\pm 5,50$
		geklemmt		
		2,50	0,75	40,0
HCS - VT41 - 46 		gedübelt		
		$\pm 3,00$ $\pm 5,00$	$\pm 3,00$ $\pm 5,00$	$\pm 20,00$ $\pm 5,50$
		geklemmt		
		2,50	0,75	40,0
		gedübelt		
		$\pm 3,00$ $\pm 5,00$	$\pm 3,00$ $\pm 5,00$	$\pm 20,00$ $\pm 5,50$
HCS - VT41 - 46 		3,0	0,5	—
		3,0	0,5	—
		4,6	—	—

Tragfähigkeit ist durch Anbindung mit Klemme HVT 41-85 an Stahlträger begrenzt.
 The load capacity is limited by connection to steel beam using clamp type HVT 41-85.

HCS - VT41 - 58 		gedübelt/doweled		
		3,5	3,5	—
		3,5	1,0	—
HCS - VT41 - 58 		gedübelt/doweled		
		3,5	1,0	—
HCS - VT41 - 58 		gedübelt/doweled		
		7,5	—	—

Typ / Type		Empfohlene max. Werte Recommended max. loads		
		$\pm N$ [kN]	$\pm Q$ [kN]	$\pm M$ [kNcm]
HCS - VT41 - 26 		5,0	1,1	—
		5,0	1,1	—
HCS - VT41 - 84 		7,5	2,25	—
		7,5	2,25	—
HCS - VT41 - 27 		5,0	—	—
HCS - VT41 - 22 		5,0	—	—
HCS - VT41 - 47 		5,0	—	—
HCS - VT41 - 77 		7,5	—	—

Die Befestigung mittels Dübel und Verbundanker muss bauseits nachgewiesen werden.
 Fixings using site drilled bolts and adhesion anchors must be site tested.

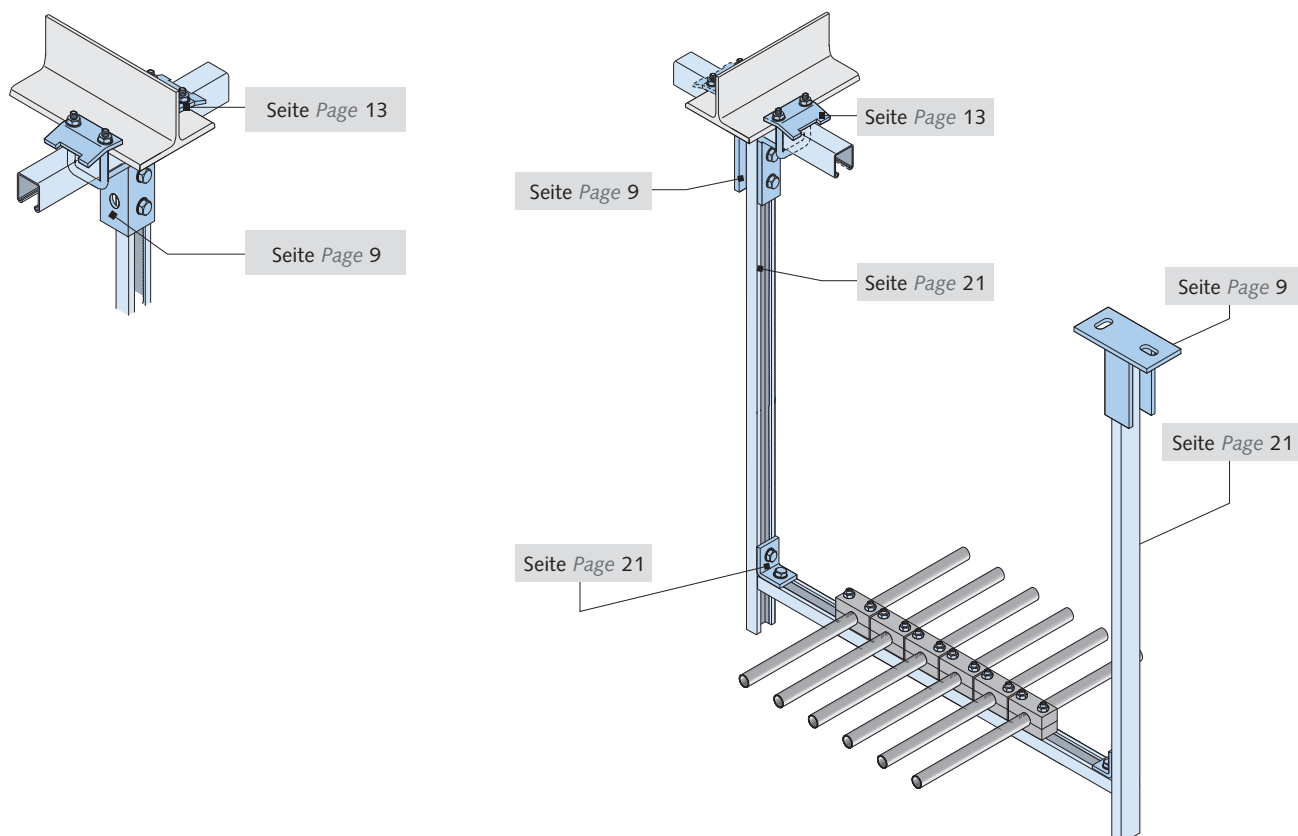


Powerclick System 22 - Optimal für Rohrdurchmesser bis DN 25

Powerclick system 22 - optimal solution for pipes with nominal diameter up to 25 mm



Bauteilanschlüsse *Structural connections*

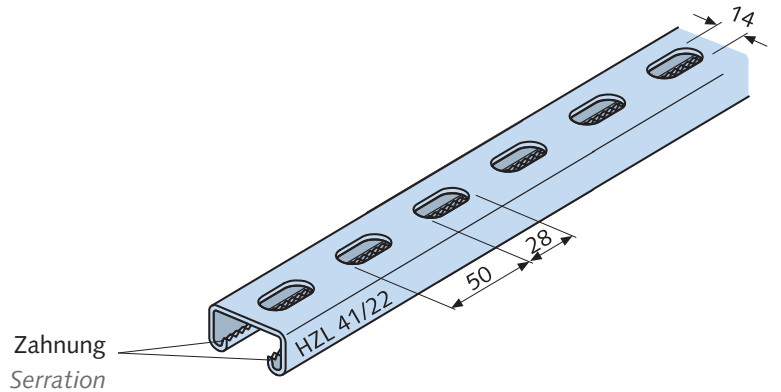
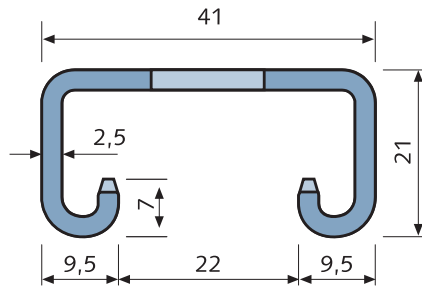


HALFEN POWERCLICK SYSTEM 41 + 22

Montageschienen Powerclick System 22 / Framing Channels Powerclick System 22



Profil 41/22 Channel 41/22



Nennmaße / Nominal dimensions
[mm]

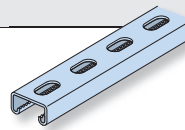
Das Profil ist durch formschlüssige Lastaufnahme für erhöhte Beanspruchung in Schienenlängsrichtung geeignet.
Due to the serrated profile lips the channel resists high loads in the longitudinal direction.

Produktdaten Product data

Profil Channel

HZL 41/22

Länge: 6000 mm; gezahnt, gelocht
Length: 6000 mm; serrated, slotted



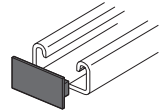
Materialausführung	Bestell-Nr.	Standard	Profilgewicht	Profilquerschnitt	Trägheitsmoment		Widerstandsmoment		Max. zul. Punktttragfähigkeit		Biegetragfähigkeit bei Spannweite L		
Material, finish	Part no.		Channel weight	Cross section	Moment of inertia		Section modulus			bei Stütz- w. at span	Safe load at span L		
	0283.020-		G [kg/m]	A [cm ²]						F [kN]			
					I _y [cm ⁴]	I _z [cm ⁴]	W _y [cm ³]	W _z [cm ³]		≤ L [cm]	0,50 F [kN]	1,00 F [kN]	1,50 F [kN]
fv	00002												
A4	00003		1,57	1,87	0,97	5,15	0,86	2,49	5,6	9,0	1,1	0,5	0,2

fv = feuerverzinkt hot-dip galvanized A4 = Edelstahl A4 Stainless steel grade A4

Zubehör Accessories

Profilendstopfen Channel end cap

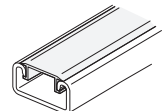
Werkstoff: PVC, schwarz, temperaturbeständig
-40° - +110°C
Material: plastic (PVC), black, temperature range -40° - +110°C



Bezeichnung Description	Bestell-Nr. Part no.	[Stck / Pcs.]
HPE 41/22	0318.000-00004	100 ●

Profilabdeckung Channel cover

Werkstoff: PVC hart, weiß, temperaturbeständig
-40° - +110°C
Material: plastic (PVC), white, temperature range -40° - +110°C



Bezeichnung Description	Bestell-Nr. Part no.	Lieferlänge Length [mm]
PA 41 - KS - 3000	0321.000-00002	3000 ●

Bestellbeispiel: Order example:

Bezeichnung / Description Bestell-Nr. / Part no.

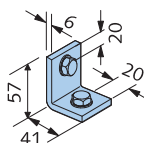
HZL 41/22 - A4 - 6000

oder
or

0283.020-00003

Montageschienenanschlüsse Connection to framing channel

90° Winkel mit 2 Schrauben vormontiert
90° angle fitting incl. 2 bolts, pre-assembled



Bezeichnung Description	Bestell-Nr. Part no.	[Stck / Pcs.]
HCS - VT41 - 68/2 - fv	0300.000-00043	1 ●
HCS - VT41 - 68/2 - A4	0300.000-00044	1 ●

fv = feuerverzinkt hot-dip galvanized
A4 = Edelstahl A4 Stainless steel grade A4

HALFEN POWERCLICK SYSTEM 41 + 22

Das Powerclick Service-Paket / *The Powerclick System Service*

Internet CAD Bibliotheken *Internet CAD libraries*

Die CADENAS Bauteilbibliotheken mit dem PARTcommunity 3D CAD Katalog: nach einer kurzen Registrierung - kostenlos!

Sicher ist auch Ihr benötigtes Format vorhanden. Die Bibliotheken werden kontinuierlich ergänzt.

Bitte besuchen Sie uns auf:

→ halfen.partcommunity.com.

The CADENAS CAD libraries and PARTcommunity 3D Catalogues: Complimentary—after registration! If the format you need isn't listed then find it at

→ halfen.partcommunity.com.

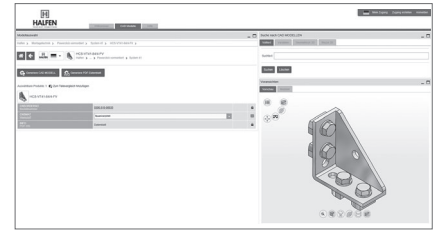
The library is continually being updated.

Verfügbare 2D-Formate / *Available 2D file formats:*

Allplan 2008, Catia V4, DWG ≥ AutoCad® 2004, DXF AutoCAD® ≥ 2004, Microstation ≥ V8 ...

Verfügbare 3D-Formate / *Available 3D file formats:*

Allplan 2008, AutoCAD® ≥ 2014, Autodesk® Revit ≥ 2012, Aveva PDMS/Marine, Catia ≥ V5, IGES, STEP, IFC 2x3, Inventor ≥ 2011, Microstation 3D, Solid Edge ≥ ST2, Solid Works ≥ 2006, Sketchup...



Screenshot: Modellauswahl mit interaktiver 3D-Darstellung

Screenshot: Product selection with interactive 3D model



Screenshot: PDF Datenblätter zum Download

Screenshot: Downloadable PDF Datasheets

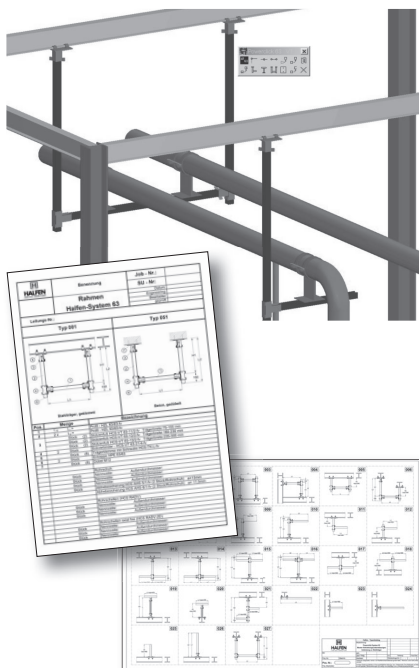


2D CAD DWG und DXF Formate finden Sie auch im Download unter → www.halfen.com

2D DWG and DXF file formats are also available at → www.halfen.com

Kostenlose HALFEN CD auf Anfrage

Complimentary HALFEN CD on request

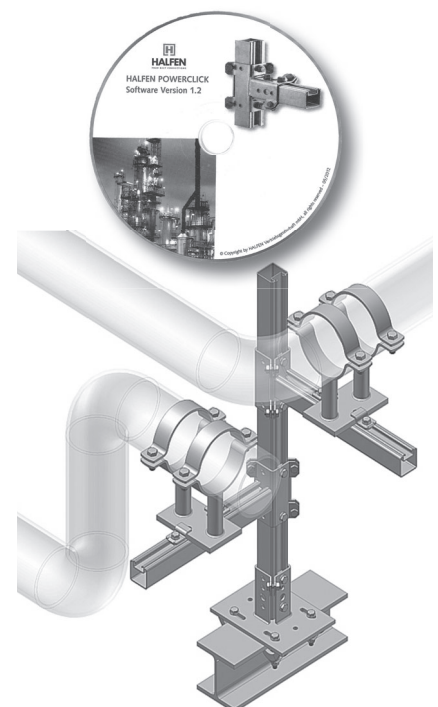


HALFEN Power - CAD

- Powerclick System 41 - Bibliotheken für PDS, SmartPlant 3D, PDMS, (E3D in Vorbereitung) und SUCad+
- Rahmen, Stützen und Kragarme sind als Komplettkonstruktionen abrufbar

HALFEN Power - CAD

- Powerclick System 41 - libraries for PDS, SmartPlant 3D, PDMS, (E3D in preparation) and SUCad+
- Frames, supports and cantilever arms are available as complete structural elements
- HALFEN Typicals – Zeichnungsableitung inklusive Stücklistenenerstellung
- HALFEN Typicals—editing of drawings including part-lists



CONTACT HALFEN WORLDWIDE

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