



# Metal Framing System

## Light Duty Framing System

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QLFFA

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CNM

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KP-UNI0

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# Metal Framing System

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4h

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UNI-KON

UNI-KONS

4i



4.003

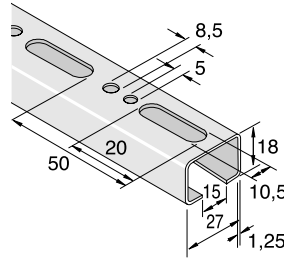
## UNI Channels

**UNI channel 27 x 18 mm**

Material : Steel DX51D + Z275 - EN 10327

4a

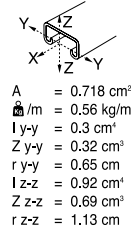
Light Duty UNI Channels



UNI0

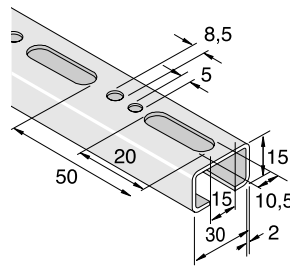
Art.Nr.	L mm	$\frac{kg}{100}$	
UNI0	2000	118	10
UNI0/3	3000	177	10
UNI0/6	6000	354	10

L(mm)	F		$\sigma=140 \text{ N/mm}^2$	$\delta = 1/200L$	$\delta = 1/360L$
	Fmax(kN)	$\delta_{max}(mm)$			
250	1.432	0.46	-	-	-
500	0.714	1.85	-	-	0.536
750	0.473	4.16	0.425	-	0.235
1000	0.352	7.39	0.235	-	0.129
1250	0.279	11.54	0.146	-	0.080
1500	0.231	16.70	0.099	-	0.051
1750	0.193	22.61	0.068	-	0.033
2000	0.168	29.64	0.048	-	0.022



**UNI channel 30 x 15 mm**

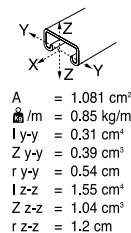
Material : Steel DX51D + Z275 - EN 10327



UNI1

Art.Nr.	L mm	$\frac{kg}{100}$	
UNI1	2000	184	10
UNI1/3	3000	276	10
UNI1/6	6000	552	10

L(mm)	F		$\sigma=140 \text{ N/mm}^2$	$\delta = 1/200L$	$\delta = 1/360L$
	Fmax(kN)	$\delta_{max}(mm)$			
250	1.428	0.46	-	-	-
500	0.868	2.18	-	-	0.552
750	0.576	4.91	0.437	-	0.241
1000	0.427	8.71	0.240	-	0.129
1250	0.339	13.65	0.149	-	0.079
1500	0.278	19.16	0.098	-	0.050
1750	0.235	26.73	0.067	-	0.030
2000	0.200	34.72	0.044	-	0.018



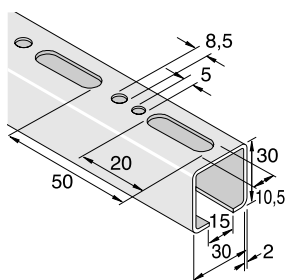
TYCENSUP 06/09



## UNI Channels

### UNI channel 30 x 30 mm

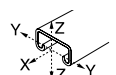
Material : Steel DX51D + Z275 - EN 10327



UNI2

Art.Nr.	L mm	kg /100	
UNI2	2000	280	10
UNI2/3	3000	280	10
UNI2/6	6000	840	10

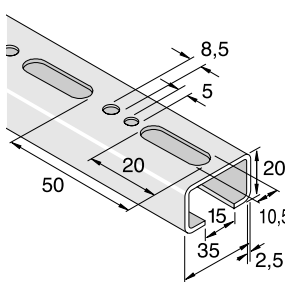
L(mm)	Fmax(kN)    δ    δmax(mm)		σ=140 N/mm²	δ=1/200L	δ=1/360L
	Fmax(kN)	δ	δmax(mm)	F(kN)	F(kN)
250	5.240	0.28		-	-
500	2.615	1.11		-	-
750	1.738	2.50		-	1.448
1000	1.297	4.44		-	0.806
1250	1.031	6.93		0.925	0.508
1500	0.852	9.97		0.633	0.345
1750	0.725	13.61		0.457	0.243
2000	0.628	17.74		0.340	0.178



A = 1.68 cm²  
 m/m = 1.32 kg/m  
 I y-y = 1.83 cm⁴  
 Z y-y = 1.17 cm³  
 r y-y = 1.04 cm  
 I z-z = 2.73 cm⁴  
 Z z-z = 1.82 cm³  
 r z-z = 1.28 cm

### UNI channel 35 x 20 mm

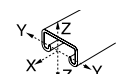
Material : Steel DX51D + Z275 - EN 10327



UNI3

Art.Nr.	L mm	kg /100	
UNI3	2000	280	10
UNI3/6	6000	840	10

L(mm)	Fmax(kN)    δ    δmax(mm)		σ=140 N/mm²	δ=1/200L	δ=1/360L
	Fmax(kN)	δ	δmax(mm)	F(kN)	F(kN)
250	3.671	0.41		-	-
500	1.831	1.64		-	1.550
750	1.214	3.68		-	0.683
1000	0.903	6.53		0.686	0.375
1250	0.716	10.20		0.430	0.233
1500	0.591	14.70		0.290	0.153
1750	0.501	20.02		0.205	0.103
2000	0.432	26.17		0.146	0.070



A = 1.72 cm²  
 m/m = 2.5 kg/m  
 I y-y = 0.87 cm⁴  
 Z y-y = 0.82 cm³  
 r y-y = 0.71 cm  
 I z-z = 3.15 cm⁴  
 Z z-z = 1.85 cm³  
 r z-z = 1.36 cm

4a

Light Duty UNI Channels

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4.005

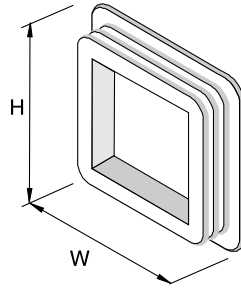
## UNI Channel endcaps

End cap for UNI channel

Material : Polypropylen / HDPE 1401001

4b

Light Duty UNI Fittings



Art.Nr.	W mm	H mm	kg /100	
1401001	27	18	0.4	100
PVCUNI1	30	15	0.5	100
PVCUNI2	30	30	0.8	100
PVCUNI3	30	20	0.4	100

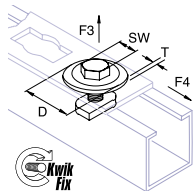
## Kwik-Fix Channelnuts

### Kwikstrut L channel nut for UNI1, UNI2, L1 & L2 channel

Material : Nut: DD11 - EN 10111  
 Washer: DX51 - EN 10327  
 Screw: 8.8 - DIN933  
 Finish : Electro zinc plated - EN ISO 12329



QLFN



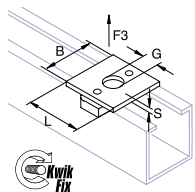
Art.Nr.	D mm	G	T mm	F3 kN	F4 kN	Tinst Nm	SW	Kg /100	
1370810	30	M8	2.5	1.500	0.600	10	13	3.5	100

### Kwikstrut L channel nut with square washer for L1& L2 channels

Material : Nut: DD11 - EN 10111  
 Washer: DX51 - EN 10327  
 Finish : Electro zinc plated - EN ISO 12329



QLRN



Art.Nr.	G	L mm	T mm	F3 kN	Kg /100	
1370640	M6	30	2.5	1.500	2.8	100
1370840	M8	30	2.5	1.500	2.7	100
1371040	M10	30	2.5	1.500	2.7	100

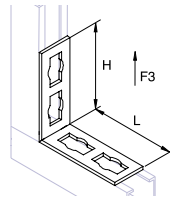
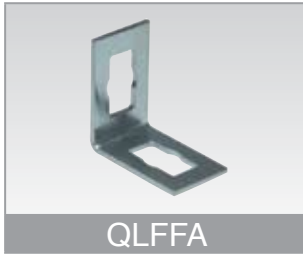
4.007

## Kwik-Fix Angle Fittings


### Kwikstrut L flat angle fitting 90°

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - EN ISO 12329



Light Duty UNI Fittings  
4d

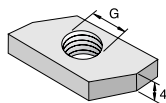
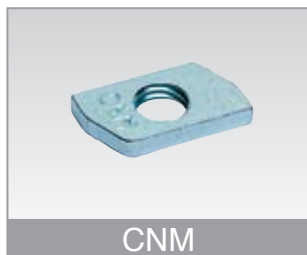
Art.Nr.	L mm	H mm	F3 kN	Number of Holes	kg/100	
1379025	52	52	0.600	1&1	4.9	25
1379035	90	52	0.600	1&2	6.4	25
1379045	90	90	1.000	2&2	8	25


## UNI Channel Nuts & Studnuts

### Channel nut for UNI channels

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329

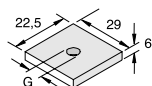
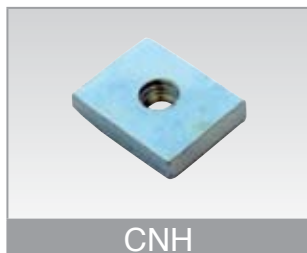



Art.Nr.	G	Kg /100	
3910063	M8	0.8	100
3910064	M10	0.1	100
3910600	M6	0.9	100

### UNI Channel Nuts

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329

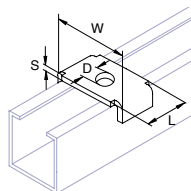



Art.Nr.	G	Kg /100	
1481276	M10	2.6	100
1486276	M6	2.8	100
1488276	M8	2.7	100

### U-shaped washer for UNI channel

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



Art.Nr.	D mm	L mm	W mm	T mm	Kg /100	
1373010	8.5	22	30	2.5	1.1	100
1373011	10.5	22	30	2.5	2.6	100



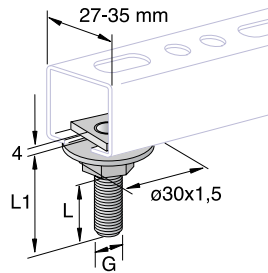
## 4.009


# UNI Channel Nuts & Studnuts

### Stud nut for UNI channels

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



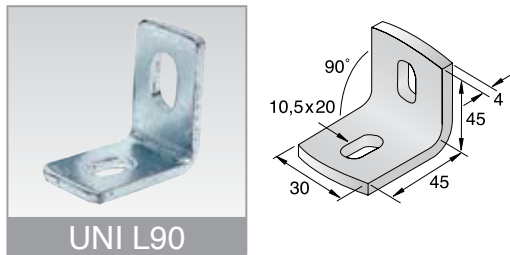
Art.Nr.	G	L mm	L1 mm	$\frac{\varnothing}{\text{Kg}}$ /100	
3910018	M8	20	6	3.2	100
3910019	M8	25	11	3	100
3910020	M8	30	16	3.1	100
3910021	M8	40	26	3.4	100
3910022	M8	50	36	1.5	100
3910023	M8	60	46	1.5	100
3910025	M8	80	66	4.7	100
3910027	M8	100	86	8.6	50
3910031	M10	30	15	4.1	100
3910032	M10	40	25	5	100
3910033	M10	50	35	5.1	100
3910034	M10	60	45	5.6	100
3910036	M10	80	65	6.8	100
3910038	M10	100	85	7.6	50

## UNI Angle Fittings

### UNI angle fitting 90°

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



UNI L90

Art.Nr.

Kg /100



3910090

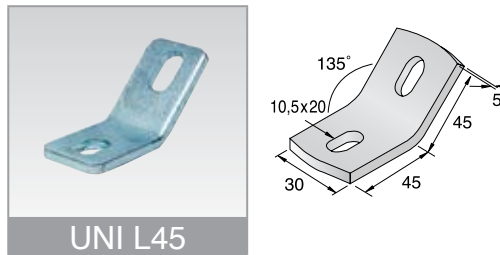
11.1

25

### UNI angle fitting 45°

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



UNI L45

Art.Nr.

Kg /100



3910091

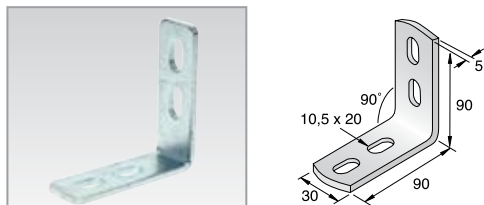
11.1

25

### UNI angle fitting 90°

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



UNI LH90

Art.Nr.

Kg /100



3910092

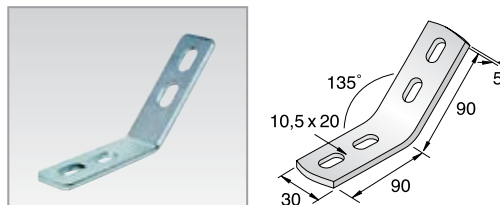
20.3

25

### UNI angle fitting 45°

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



UNI LH45

Art.Nr.

Kg /100



3910093

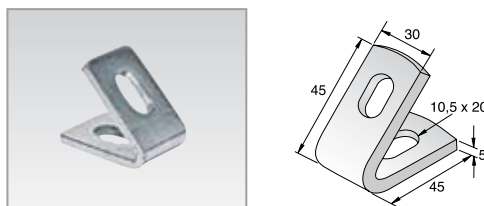
21.2

25

### UNI angle fitting 135°

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



UNI L135

Art.Nr.

Kg /100



3910094

10.6

25

## 4.011

### UNI Beamclamps

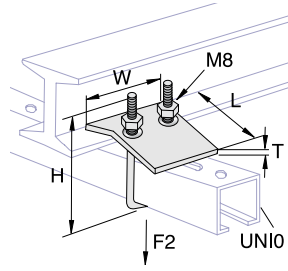
#### Beamclamp for UNI0 channel

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



KP-UNI0



Art.Nr.	L mm	W mm	H mm	T mm	F2 kN	kg/100	
1402782	65	60	60	6.0	2.000	16.7	50

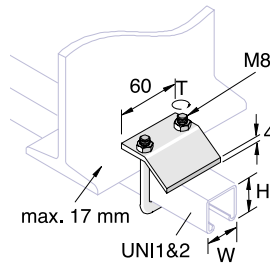
#### Beamclamp for UNI1,2&3 channel

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



KP-UNI1&2



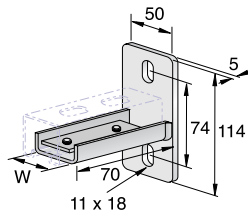
Art.Nr.	W mm	H mm	kg/100	
1403621	35	20	27.1	
3910079	30	15-30	11.7	25

## UNI Channel Foot Brackets

### UNI Channel Foot Brackets

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



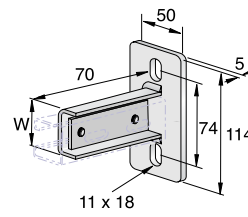
SF-SUNI

Art.Nr.	W mm	Kg /100	
3910071	50	32	10

### UNI Channel Foot Brackets

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



SF-LUNI

Art.Nr.	W mm	Kg /100	
3910072	50	33	10

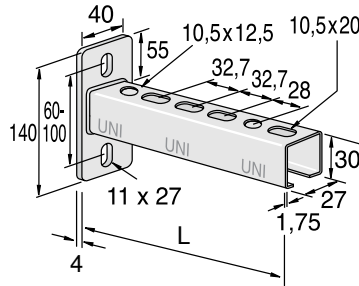
# 4.013

## UNI Cantilevers

### UNI cantilever arm

Material : Steel DD11 - EN 10111

Finish : Electro zinc plated - DIN EN 12329



Art.Nr.	L mm	kg /100	
UNIKON180	180	40.5	10
UNIKON240	240	47.4	10
UNIKON300	300	53.4	10
UNIKON360	360	60.1	1
UNIKON420	420	66	1
UNIKON540	540	78.8	1
UNIKON660	660	19.15	1
UNIKON780	780	104.1	1

L (mm)				
180	1,25 kN	0,62 kN	0,62 kN	0,41 kN
240	0,92 kN	0,46 kN	0,46 kN	0,31 kN
300	0,75 kN	0,37 kN	0,37 kN	0,25 kN
360	0,62 kN	0,31 kN	0,31 kN	0,20 kN
420	0,53 kN	0,26 kN	0,26 kN	0,17 kN
540	0,41 kN	0,20 kN	0,20 kN	0,13 kN
660	0,34 kN	0,17 kN	0,17 kN	0,11 kN
780	0,28 kN	0,14 kN	0,14 kN	0,09 kN