

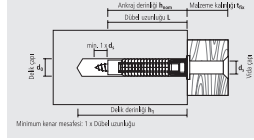
CELO
apolo **MEA®**
 Made in Germany

DÜBEL ÇEŞİTLERİ



NEXUS DÜBEL

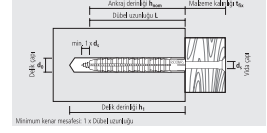
FX Yuvarlak Kutuda



Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	d _s (mm)	Paket miktarı (kutu) (Koli)
FX 6	96EXPFX	6	40	30	30	3,5-5	300 10
FX 8	98EXPFX	8	55	40	40	4,5-6	125 10
FX 10	910EXPFX	10	70	50	50	6-8	70 10

STANDART EKSTRA UZUN DÜBEL

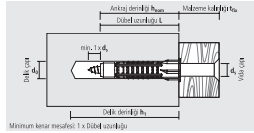
FL Vidasız



Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	d _s (mm)	Paket miktarı (kutu) (Koli)
FL 6-10	9660FL	6	70	60	60	3,5-4,5	100 2700
FL 8-80	9880FL	8	90	80	80	4,5-5,5	50 600
FL 10-90	91090FL	10	105	90	90	6-7	25 300

ÇOK AMAÇLI DÜBEL

MZK Yakalı

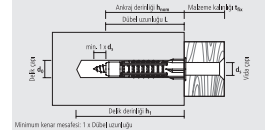


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	d _s (mm)	Paket miktarı (kutu) (Koli)
MZK 14	914MZK	8	90	80	80	4,5-5,5	50 600

¹ Min. Alçıpan uygulamaları için uygulama yapılacak malzemenin minimum kalınlığı

ÇOK AMAÇLI DÜBEL

MZK Yakalı, Yuvarlak Kutuda

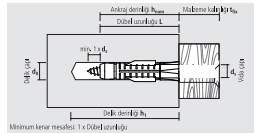


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	h _{min} ¹ (mm)	d _s (mm)	Paket miktarı (kutu) (Koli)
MZK 6-41	9641EXPMZK	6	50	40	41	7,0	3-4,5	200 10
MZK 8	98EXPMZK	8	60	48	49	9,5	4-6	90 10
MZK 10	910EXPMZK	10	75	59	60	12,0	6-8	50 10
MZK 12	912EXPMZK	12	85	71	72	15,0	8-10	25 10

¹ Min. Çakma işlemi yapılacak tabakanın minimum kalınlığı

UNİVERSAL DÜBEL

AZ Yakasız

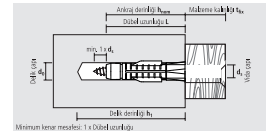


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	h _{min} ¹ (mm)	d _s (mm)	Paket miktarı (kutu) (Koli)
AZ 5	95AZ	5	40	30	30	7,0	3-4	100 4800
AZ 6	96AZ	6	50	37	37	9,5	4-5	100 4800
AZ 8	98AZ	8	60	50	50	12,5	5-6	100 1800
AZ 10	910AZ	10	75	60	60	15,0	7-8	50 900
AZ 12	912AZ	12	85	70	70	18,0	8-10	25 450

¹ Min. Alçıpan uygulamaları için uygulama yapılacak malzemenin minimum kalınlığı

UNİVERSAL DÜBEL

AZK Yakalı

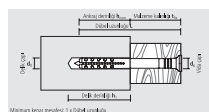


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	h _{min} ¹ (mm)	d _s (mm)	Paket miktarı (kutu) (Koli)
AZK 6	96AZK	6	50	37	38	9,5	4-5	100 2700
AZK 8	98AZK	8	60	50	51	12,5	5-6	100 1800
AZK 10	910AZK	10	75	60	61	15,0	7-8	50 900
AZK 12	912AZK	12	85	70	71	18,0	8-10	25 450

¹ Min. Alçıpan uygulamaları için uygulama yapılacak malzemenin minimum kalınlığı

ÇAKMALI DÜBEL

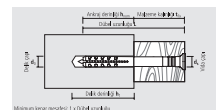
NPC, NP, Galvanizli Monteli Havşa Başlı



Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	t _{fix} ≤ (mm)	Paket miktarı (kutu) (Koli)
NPC 5-35	9535NPC	5	35	25	35	10	100 1800
NPC 5-50	9550NPC	5	35	25	50	25	100 1800
NPC 6-35	9635NPC	6	40	30	35	5	100 1800
NPC 6-40	9640NPC	6	40	30	40	10	100 1800
NPC 6-50	9650NPC	6	40	30	50	20	50 900
NPC 6-60	9660NPC	6	40	30	60	30	50 900
NPC 6-80	9680NPC	6	40	30	80	50	50 900

ÇAKMALI DÜBEL

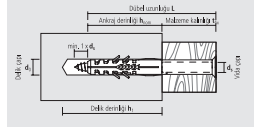
NP, galvanizli Monteli Düz Başlı



Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	t _{fix} ≤ (mm)	Paket miktarı (kutu) (Koli)
NP 5-35	9535NP	5	35	25	35	10	100 1800
NP 6-35	9635NP	6	40	30	35	5	100 1800
NP 6-50	9650NP	6	40	30	50	20	50 900
NP 6-70	9670NP	6	40	30	70	40	50 600

ÇERÇEVE DÜBELİ

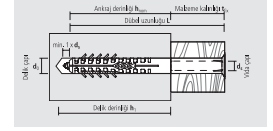
R10 Vidasız



Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	t _{fix} ≤ (mm)	d _s (mm)	Paket miktarı (kutu) (Koli)
10-200	910200R	10	60	50	200	150	6-7	50 400
10-240	910240R	10	60	50	240	190	6-7	50 400

BOŞLUKLU ÇERÇEVE DÜBELİ

HBR Vidasız

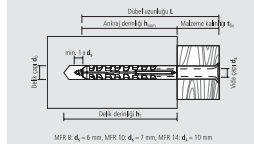


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	t _{fix} ≤ (mm)	d _s (mm)	Paket miktarı (kutu) (Koli)
10-200	910200HBR	10	100	90	200	110	6-7	50 400
10-240	910240HBR	10	100	90	240	150	6-7	50 400

* Onaysız

ÇOK FONKSİYONLU ÇERÇEVE DÜBELİ

MFR 8/10 SB TX, Galvanizli Havşa Başlı Vidalı

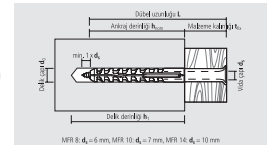


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	t _{fix} ≤ (mm)	Vidalama ucu	Paket miktarı (kutu) (Koli)
8-80*	9880MFRST	8	60	50	80	30	TX 30	100 800
8-100*	98100MFRST	8	60	50	100	50	TX 30	50 400
8-120*	98120MFRST	8	60	50	120	70	TX 30	50 400
10-80*	91080MFRST	10	80	70	80	10	TX 40	50 400
10-100*	910100MFRST	10	80	70	100	30	TX 40	50 400
10-115*	910115MFRST	10	80	70	115	45	TX 40	50 400
10-135*	910135MFRST	10	80	70	135	65	TX 40	50 400
10-160*	910160MFRST	10	80	70	160	90	TX 40	50 400
10-200	910200MFRST	10	80	70	200	130	TX 40	25 200
10-240	910240MFRST	10	80	70	240	170	TX 40	25 200

MFR 8 ETA onaylı değildir. * Monteli

ÇOK FONKSİYONLU ÇERÇEVE DÜBELİ

MFR SB SSKS, Galvanizli Altıgen Başlı Vidalı

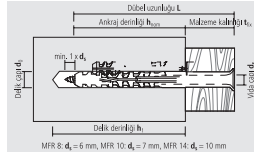


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	t _{fix} ≤ (mm)	Vidalama ucu	Paket miktarı (kutu) (Koli)
8-60*	9860MFRSB	8	60	50	60	10	SW10/TX30	100 800
8-80*	9880MFRSB	8	60	50	80	30	SW10/TX30	100 800
8-100*	98100MFRSB	8	60	50	100	50	SW10/TX30	50 400
8-120*	98120MFRSB	8	60	50	120	70	SW10/TX30	50 400
10-100*	910100MFRSB	10	80	70	100	30	SW13/TX40	50 400
10-160*	910160MFRSB	10	80	70	160	90	SW13/TX40	50 400
10-200	910200MFRSB	10	80	70	200	130	SW13/TX40	25 200
10-240	910240MFRSB	10	80	70	240	170	SW13/TX40	25 200
14-80*	91480MFRSB	14	85	70	80	10	SW17/TX50	25 200
14-110*	914110MFRSB	14	85	70	110	40	SW17/TX50	25 200
14-140*	914140MFRSB	14	85	70	140	70	SW17/TX50	25 200
14-170	914170MFRSB	14	85	70	170	100	SW17/TX50	25 200
14-200	914200MFRSB	14	85	70	200	130	SW17/TX50	25 200
14-230	914230MFRSB	14	85	70	230	160	SW17/TX50	25 200
14-270	914270MFRSB	14	85	70	270	200	SW17/TX50	25 -

MFR 8 ETA onaylı değildir. * Monteli

ÇOK FONKSİYONLU ÇERÇEVE DÜBELİ

MFR 14 SB TX, Galvanizli Havşa Başlı Vidalı

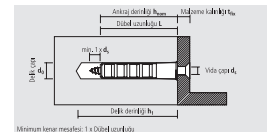


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	t _{fix} ≤ (mm)	Vidalama ucu	Paket miktarı (kutu) (Koli)
14-80*	91480MFRST	14	85	70	80	10	TX 50	25 200
14-110*	914110MFRST	14	85	70	110	40	TX 50	25 200
14-140*	914140MFRST	14	85	70	140	70	TX 50	25 200
14-170	914170MFRST	14	85	70	170	100	TX 50	25 200
14-200	914200MFRST	14	85	70	200	130	TX 50	25 200
14-230	914230MFRST	14	85	70	230	160	TX 50	25 200
14-270	914270MFRST	14	85	70	270	200	TX 50	25 -

* Monteli

GAZ BETON DÜBELİ

GB



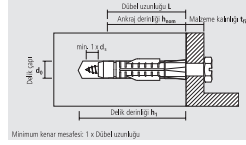
Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{nom} ≥ (mm)	L (mm)	d _s (mm)	Paket miktarı (kutu) (Koli)
GB 12	912GB	12	70	60	60	7-8	20 540
GB 14	914GB	14	90	75	75	10	10 270

* Tüm GB ürünleri P4 gazbetonlarda daha küçük delik çapına çakılabilir.

** GB 10 ürün P2 gazbetonlarda delme işlemi yapmadan uygulanabilir.

KLOZET MONTAJ SETİ

WC

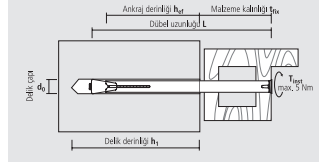


Tip	Ürün Kodu	Set içeriği	d ₀ (mm)	h ₁ ≥ (mm)	L (mm)	t _{ex} ≤ (mm)	Paket miktarı (Set)
Beyaz/Krom	9BFWC	2 Döbel AZ 8 2 Altıgen başlı princ vida 6x85 2 Conta 2 Beyaz Kapak 2 Beyaz Krom	8	60	50	30	50

Ürünler plastik poşet içerisinde sevk edilir.

METAL KASA DÜBELİ

MR Havaşa Başlı Vida ile (PZ3)

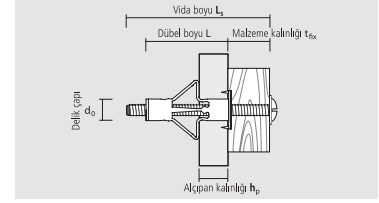


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h_{el}≥ (mm)	L ¹ (mm)	t _{fix} ≤ (mm)	Paket miktarı (kutu) (Koli)
MR 10-182	910182MR	10	50	30	182	152	100 400
MR 10-202	910202MR	10	50	30	202	172	100 400

¹ Uzunluk

METAL BOŞLUK DÜBELİ

HRM Profesyonel paket



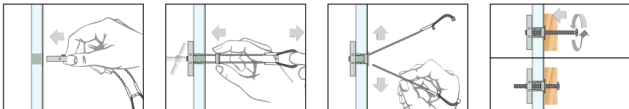
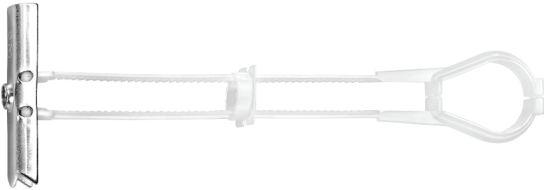
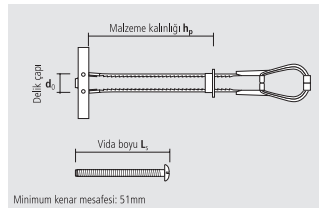
* Altıgen başlı vida SW13

Tip	Ürün Kodu	d ₀ (mm)	h_p min-max (mm)	Vida ölçüsü	L_s (mm)	L (mm)	t_{fix} (mm)	Paket mik. (kutu) (Koli)
HRM 4-38	9438 HRM	8	32-38	M4	65	59	34-28	100 1000
HRM 5-32	9532 HRM	11	14-32	M5	71	65	51-33	100 500
HRM 6-32	9632 HRM	13	14-32	M6	71	65	51-33	100 900
HRM 6-45	9645 HRM	13	32-45	M6	88	80	48-35	100 600
HRM 8-32*	9832 HRM	13	16-32	M8	73	66	50-34	100 300

* Altıgen başlı vida SW13

VİDASIZ UNİVERSAL BOŞLUK DÜBELİ

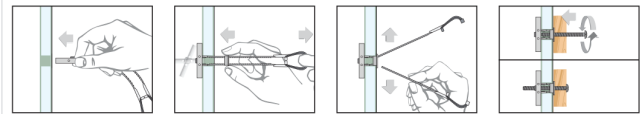
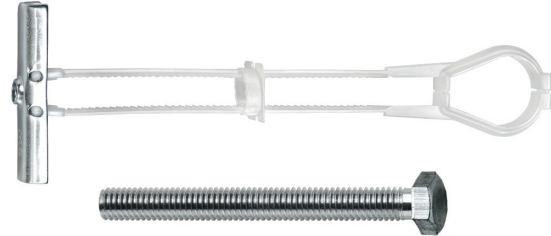
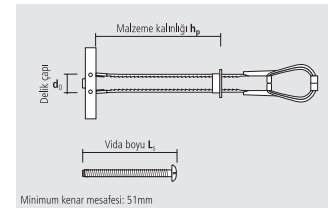
BT



Tip	Ürün Kodu	d ₀ (mm)	h_p min-max (mm)	Vida ölçüsü	Paket miktarı (kutu) (Koli)
BT M5	95BT	13	10-70	M5	30 240

VİDALI UNİVERSAL BOŞLUK DÜBELİ

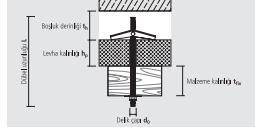
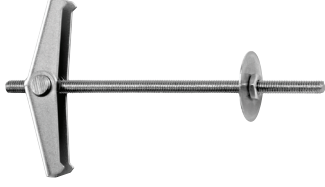
BTL, BTK



Tip	Ürün Kodu	d ₀ (mm)	h_p min-max (mm)	Vida ölçüsü	L_s (mm)	Vidalama	Paket miktarı (kutu) (Koli)
BT M4	94BTLO	13	10-70	M4	50	PZ2/slot	40 320
BT M5	95BTLO	13	10-70	M5	62	PZ2/slot	30 240
BT M6	96BTLO	13	10-70	M6	62	PZ2/slot	30 240
BT M8	98BTK	19	10-70	M8	60	SW13/Hex	20 160

PULLU ve SOMUNLU YAYLI ALÇIPAN DÜBELİ

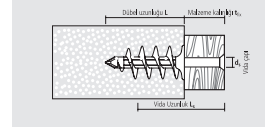
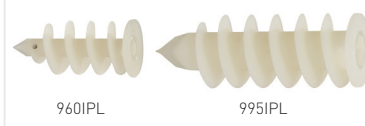
FK-S



Tip	Ürün Kodu	d ₀ (mm)	h ₁ + t _{fix} ≤ (mm)	Vida ölçüsü	L _s (mm)	t _{fix} ≥ (mm)	Paket miktarı (kutu) (Koli)
3x85	9390FKS	11	65	M3	85	28	25 400
4x90	9495FKS	14	65	M4	90	35	25 400

İZOLASYON DÜBELİ

IPL

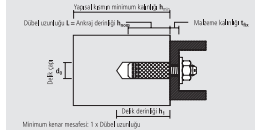
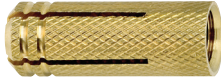


Tip	Ürün Kodu	L (mm)	Drive	d _s (mm)	L _s (mm)	Paket miktarı (kutu) (Koli)
IPL 60	960IPL	58	TX 40	4,5-5,0	30+t _{fix}	25 300
IPL 95	995IPL	95	SW 13	8/10/M8	40+t _{fix}	25 200

IPL 60 kafa çapı Ø 25mm
IPL 95 kafa çapı Ø 32 mm x M8 x 30 vida dahildir.

PİRİNÇ ÇAKMALI DÜBEL

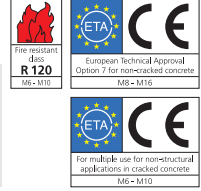
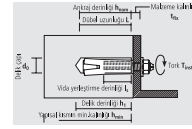
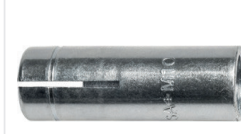
ME Piriç



Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	L=h _{nom} (mm)	Vida ölçüsü	Paket miktarı (kutu) (Koli)
ME 4	9L4ME	5	18	16	M4	100 3200
ME 5	9L5ME	6	22	20	M5	100 3200
ME 6	9L6ME	8	27	23	M6	100 4000
ME 8	9L8ME	10	35	30	M8	50 2000
ME 10	9L10ME	12	39	34	M10	50 1500
ME 12	9L12ME	15	46	40	M12	25 750
ME 14	9L14ME	18	48	42	M14	25 350
ME 16	9L16ME	20	50	44	M16	25 350

GALVANİZLİ ÇAKMALI DÜBEL

SA PLUS Galvanizli



Tip	Ürün Kodu	d ₀ (mm)	h ₁ (mm)	L (mm)	L _s min-max* (mm)	Vida ölçüsü	Paket miktarı (kutu) (Koli)
SA plus 6	96SAP	8	27	25	6-11	M6	100 1800
SA plus 8	98SAP	10	32	30	8-13	M8	100 1000
SA plus 12	912SAP	15	54	50	12-23	M12	50 300

* Min / max vida yerleştirme derinliği

ÇAKMALI DÜBEL SA PLUS

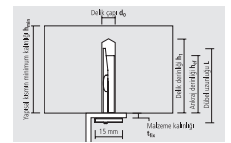
ESW SA Plus için



Tip	Ürün Kodu	Açıklama	Paket miktarı (Paket)
ESW 6	96ESW	96SAP için uygundur	1
ESW 8	98ESW	98SAP için uygundur	1
ESW 10	910ESW	910SAP için uygundur	1
ESW 12	912ESW	912SAP için uygundur	1
ESW 16	916ESW	916SAP için uygundur	1

TAVAN ÇİVİSİ

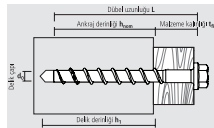
MDA-T



Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	hef ≥ (mm)	L (mm)	t _{fix} ≥ (mm)	Paket miktarı (kutu) (Koli)
MDA-T 6/5	96MDAT	6	42	32	43	4,5	100 1800
MDA-T 6/35	9635MDAT	6	42	32	73	35	100 1200

BETON VİDASI

BTS B Altıgen Başlı

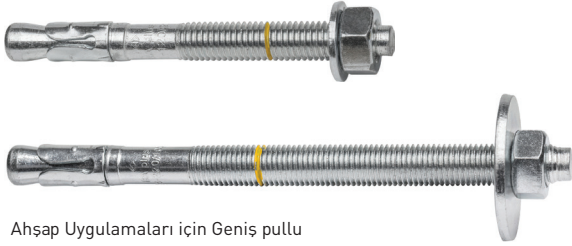
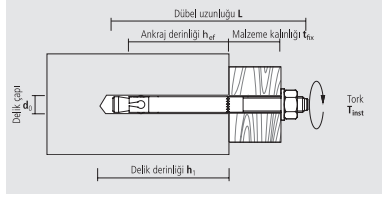


Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	hef ≥ (mm)	L (mm)	t _{fix} ≥ (mm)	Drive	Paket mik. (kutu) (Koli)
10-90/5	92G1090BTSB	10	95	85	90	5	SW 15	40 200
10-120/35	92G10120BTSB	10	95	85	120	35	SW 15	40 200
14-80/-	92G1480BTSB	14	-	-	80	-	SW 21	20 100



KLİPSLİ DÜBEL

BA PLUS Galvanizli



Ahşap Uygulamaları için Geniş pullu

Tip	Ürün Kodu	d ₀ (mm)	h ₁ ≥ (mm)	h _{ef} ≥ (mm)	L (mm)	t _{fix} ≥ (mm)	Vida Ölçüsü	Paket (kutu)	mik. (Koli)
8-50/5 ¹⁾	9850BAP	8	40	25	50	5	M8	100	500
8-75/10	9875BAP	8	60	45	75	10	M8	50	250
8-85/20	9885BAP	8	60	45	85	20	M8	50	250
8-95/30	9895BAP	8	60	45	95	30	M8	50	250
8-135/70	98135BAP	8	60	45	135	70	M8	40	200
10-60/10 ¹⁾	91060BAP	10	42	27	60	10	M10	50	250
10-75/10 ¹⁾	91075BAP	10	55	40	75	10	M10	50	250
10-85/10	91085BAP	10	65	50	85	10	M10	40	200
10-92/17	91092BAP	10	65	50	92	17	M10	40	200
10-105/30	910105BAP	10	65	50	105	30	M10	25	125
10-145/70	910145BAP	10	65	50	145	70	M10	25	125
10-175/100	910175BAP	10	65	50	175	100	M10	25	125
10-215/140*	910215BAP	10	65	50	215	140	M10	25	100
12-70/2 ¹⁾	91270BAP	12	58	38	70	2	M12	40	200
12/110/10	912110BAP	12	90	70	110	10	M12	20	100
12-120/20	912120BAP	12	90	70	120	20	M12	20	100
12-150/50	912150BAP	12	90	70	150	50	M12	20	100
12-180/80	912180BAP	12	90	70	180	80	M12	20	100
12-200/100*	912200BAP	12	90	70	200	100	M12	20	80
12-220/120*	912220BAP	12	90	70	220	120	M12	20	80
12-240/140*	912240BAP	12	90	70	240	140	M12	20	80
12-260/160*	912260BAP	12	90	70	260	160	M12	20	80
12-300/200*	912300BAP	12	90	70	300	200	M12	15	60
12-320/220*	912320BAP	12	90	70	320	220	M12	15	60
16-95/10 ¹⁾	91695BAP	16	75	50	95	10	M16	15	75
16-135/15	916135BAP	16	110	85	135	15	M16	10	50
16-150/30	916150BAP	16	110	85	150	30	M16	10	50
16-180/60	916180BAP	16	110	85	180	60	M16	10	50
16-200/80	916200BAP	16	110	85	200	80	M16	10	50
16-220/100*	916220BAP	16	110	85	220	100	M16	10	40
16-270/150*	916270BAP	16	110	85	270	150	M16	10	40
16-320/200*	916320BAP	16	110	85	320	200	M16	10	40

¹⁾ Onaysız

* Ahşap uygulamaları için uygundur. DIN440

CELO

Screws Technology

apolo MEA

Fixing Technology

