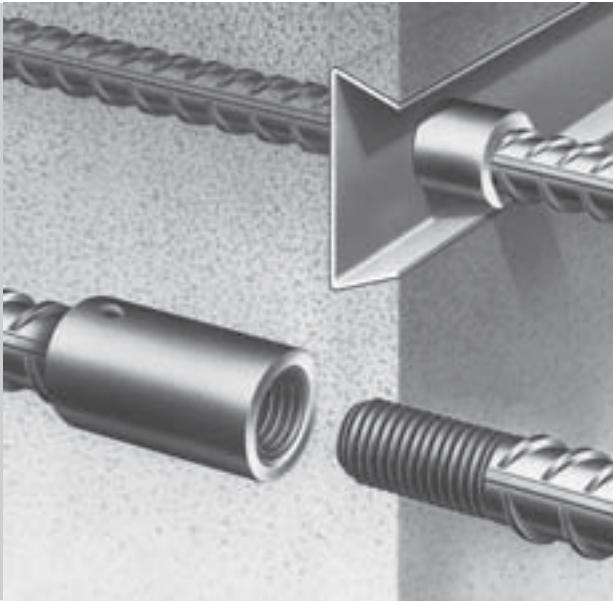


FRANK | coupler

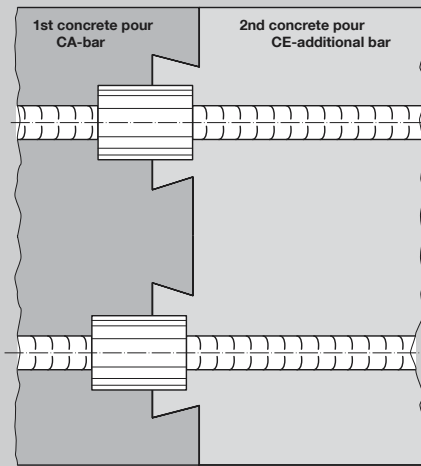
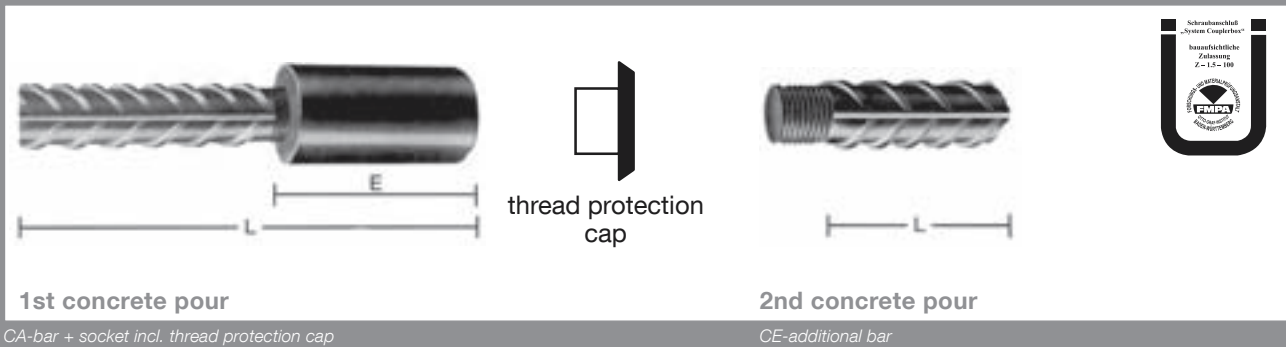


coupler | threaded steel coupler system



The rebar connection system with the 100% load transmission – suitable for both static and dynamic load.

- Coupler – threaded steel coupler system is a natural extension to our rebendable Stabox rebar connection system for rebars $\varnothing \geq 12$ mm
- Holds a general approval issued by the DIBt (German Institute for Structural Engineering) of Berlin, Germany, Z-1.5-100
- Steel mesh BSt 500S according to DIN 488



- Secure protection of the CA bars by thread protection caps
- The use of both the single box and coupler box ensures precise location of the reinforcement bars, as well as outstanding corrosion protection and additional thrust interlocking
- Simply screw the CE-bars into the box, finally tightening it to the specified torque using a torque wrench
- The benefit of an „interlocked“ joint by observing the geometry of forces to DIN 1045-1 (2001), section 10.3.6, figure 35

CA bar + socket

incl. thread protection cap for the first concrete pour

Art. no.	Diameter mm	Length mm	Sleeve E mm	Weight kg/pce.
CCA120570	12	570	40	0.56
CCA120800	12	800	40	0.77
CCA121500	12	1500	40	1.39
CCA140660	14	660	45	0.87
CCA140930	14	930	45	1.19
CCA141500	14	1500	45	1.88
CCA161020	16	1020	45	1.81
CCA161440	16	1440	45	2.48
CCA161800	16	1800	45	3.05
CCA201280	20	1280	52	3.36
CCA201800	20	1800	52	4.64
CCA202100	20	2100	52	5.38
CCA251600	25	1600	60	6.53
CCA252260	25	2260	60	9.07
CCA252600	25	2600	60	10.38
CCA281790	28	1790	65	9.15
CCA282530	28	2530	65	12.73
CCA283000	28	3000	65	15.00

CE-additional bar

for the second concrete pour

Art. no.	Diameter mm	Length mm	Weight kg/pce.
CCE120570	12	570	0.51
CCE120800	12	800	0.71
CCE121500	12	1500	1.33
CCE140660	14	660	0.80
CCE140930	14	930	1.13
CCE141500	14	1500	1.81
CCE161020	16	1020	1.62
CCE161440	16	1440	2.28
CCE161800	16	1800	2.85
CCE201280	20	1280	3.16
CCE201800	20	1800	4.45
CCE202100	20	2100	5.19
CCE251600	25	1600	6.16
CCE252260	25	2260	8.70
CCE252600	25	2600	10.01
CCE281790	28	1790	8.65
CCE282530	28	2530	12.22
CCE283000	28	3000	14.49

CAE socket and thread bar

for the first and second concrete pour

Art. no.	Diameter mm	Sleeve E mm	Tightening moment Nm	Weight kg/pce.
CCAE120570	12	40	60	1.07
CCAE120800	12	40	60	1.48
CCAE121500	12	40	60	2.72
CCAE140660	14	45	100	1.67
CCAE140930	14	45	100	2.32
CCAE141500	14	45	100	3.70
CCAE161020	16	45	100	3.43
CCAE161440	16	45	100	4.76
CCAE161800	16	45	100	5.90
CCAE201280	20	52	200	6.52
CCAE201800	20	52	200	9.09
CCAE202100	20	52	200	10.57
CCAE251600	25	60	250	12.69
CCAE252260	25	60	250	17.77
CCAE252600	25	60	250	20.39
CCAE281790	28	65	280	17.80
CCAE282530	28	65	280	24.95
CCAE283000	28	65	280	29.49

coupler | threaded steel coupler system

Fixing aids

Coupler Single box (with cover)

	Designation	Art. no.	Type	Diameter mm	Weight kg/pce.
	Can easily be fixed to the formwork with two nails; insert CA.	CEBOX12*	Single box Ø 12 + Ø 14	22	0.12
		CEBOX16*	Single box Ø 16 + Ø 20	33	0.12
		CEBOX25	Single box Ø 25	40	0.12
		CEBOX28	Single box Ø 28	45	0.12

* Coupler Box for bar Ø 14 corresponds to that of Ø 12, and for bar Ø 20 to that of Ø 16

Fixing aids

Coupler box (with cover)

	Designation	Art. no.	Type	Possible connection per 1.2 m element	Distance s cm	Weight kg/pce.
	The single box can be easily extended for longer applications. Bar spacing „s“ can be supplied in any dimension. Coupler Box with cover and 2 end caps. Other bar spacings „s“ can be supplied on request.	CCB1210120*	Couplerbox ø 12	12	10	0.90
		CCB1610120*	Couplerbox ø 16	12	10	0.90
		CCB2510120	Couplerbox ø 25	12	10	0.90
		CCB2810120	Couplerbox ø 28	12	10	0.90
		CCB1215120*	Couplerbox ø 12	8	15	0.90
		CCB1615120*	Couplerbox ø 16	8	15	0.90
		CCB2515120	Couplerbox ø 25	8	15	0.90
		CCB2815120	Couplerbox ø 28	8	15	0.90
		CCB1220120*	Couplerbox ø 12	6	20	0.90
		CCB1620120*	Couplerbox ø 16	6	20	0.90
		CCB2520120	Couplerbox ø 25	6	20	0.90
		CCB2820120	Couplerbox ø 28	6	20	0.90

* Coupler Box for bar Ø 14 corresponds to that of Ø 12, and for bar Ø 20 to that of Ø 16

Coupler

Torque Wrench for 12 – 28 mm

	Art. no	Weight kg/pce.
	CLDREH	5.00



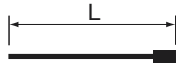
Coupler threaded steel coupler system
100 % load transmission



Special types are manufactured to your requirements. Please get in contact with our technical advisory service.

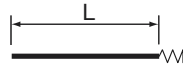
Type CA

Art. no. CCA12*SONL



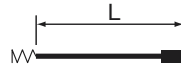
Type CE

Art. no. CCE12*SONL



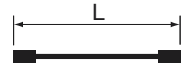
Type ECA

Art. no. CECA12*



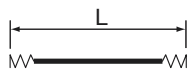
Type DCA

Art. no. CSDCA



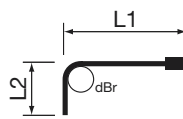
Type DCE

Art. no. CSDCE



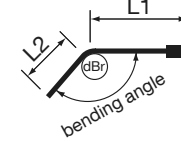
Type WCA

Art. no. CSWCA



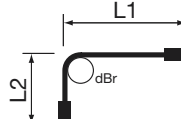
Type WCASB

Art. no. CSWCASB



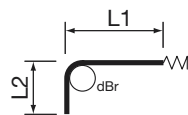
Type DCAW

Art. no. CSDCAW



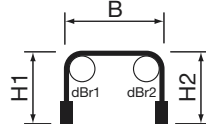
Type WCE

Art. no. CSWCE



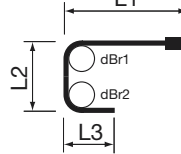
Type DWCA

Art. no. CSDWCA



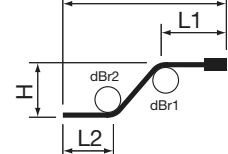
Type WCAG

Art. no. CSWCAG



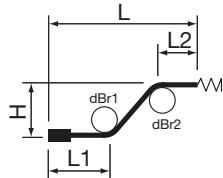
Type WWCA

Art. no. CSWWCA



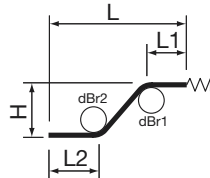
Type WWECA

Art. no. CSWWECA



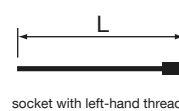
Type WWCE

Art. no. CSWWCE



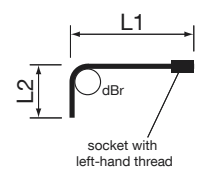
Type CALG

Art. no. CSCALG



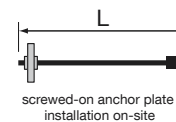
Type WCALG

Art. no. CSWCALG



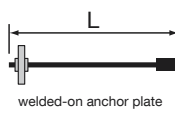
Type CA-APG

Art. no. CSCAAPG



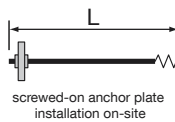
Type CA-APS

Art. no. CSCAAPS



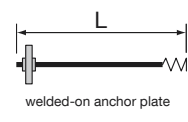
Type CE-APG

Art. no. CSCEAPG



Type CE-APS

Art. no. CSCEAPS



* varying according to bar diameter 12, 14, ...

- Special types are cost-efficiently manufactured to your requirements. Please enquire for delivery time.
- If there is a requirement at very short notice, it is also possible to manufacture these special types by welding reinforcement steel onto

standard types (flash butt welding procedure to DIN 4099 which does not reduce the working stress of the steel).

- Ø 32 mm and 40 mm can be supplied. These sizes do not carry general approval of the construc-

tion supervising authorities.

Please enquire for prices of the special types.

The production of special accessories is carried out using the same quality criteria as for the standard ranges. However, our certification does not cover the production of special accessories. Structural analysis verification must be carried out in each specific application.

Adapter connection

The adapter should be used when rebars with bent legs are required or are unable to be screwed in.

System description



Socket with right-hand/left-hand thread (designation „LG“ for left-hand thread)

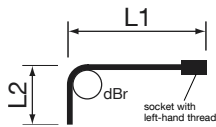


Adapter for connecting left-hand threaded socket to standard right-hand threaded socket



Standard right-hand threaded socket

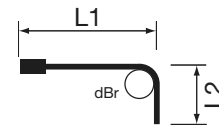
Application example



For adapter connection in one concrete pour, a socket with right-hand/left-hand thread must be used.



Screwing the adapter brings the rebars together up to the limit stop. A locknut is used for fixing the assembly.



A standard right-hand threaded socket is fixed to the second rebar.

Coupler

Special accessories – adapter

Art. no.	Diameter mm
CAGRELI12	12
CAGRELI14	14
CAGRELI16	16
CAGRELI20	20
CAGRELI25	25
CAGRELI28	28

Anchor plate made of ST 37 and hexagon nut

for threaded steel bars M12 – M28

Designation	Art. no.	Thread size of nut	Anchor plate dimensions mm
Price per set of hexagonal nut, anchor plate and counternut. Price for threaded steel bar on request.	CAPLGSCHR12	M12	40 x 40 x 10
	CAPLGSCHR14	M14	50 x 50 x 10
	CAPLGSCHR16	M16	60 x 60 x 12
	CAPLGSCHR20	M20	70 x 70 x 16
	CAPLGSCHR25	M25	90 x 90 x 18
	CAPLGSCHR28	M28	100 x 100 x 20

Anchor plate made of ST 37, welded-on

Designation	Art. no.	Structural steel diameter mm	Anchor plate dimensions mm
Price per welded on anchor plate; Price for reinforcement bar cut to length on request	CAPLGSCHW12	12	40 x 40 x 10
	CAPLGSCHW14	14	50 x 50 x 10
	CAPLGSCHW16	16	60 x 60 x 12
	CAPLGSCHW20	20	70 x 70 x 16
	CAPLGSCHW25	25	90 x 90 x 18
	CAPLGSCHW28	28	100 x 100 x 20

Certificate of welding not available. Manufacturing to customer specification is by prior consultation.

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