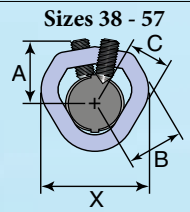
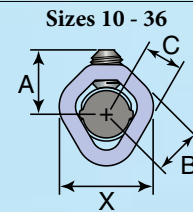


ZAP SCREWLOK® DATA SHEET

Dimensions & Data

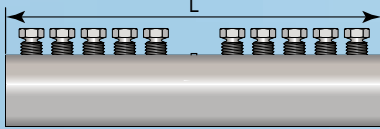
[metric units]

END VIEW
(AFTER ASSEMBLY)



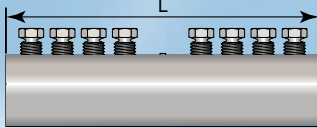
ZAP SCREWLOK TYPE 2 / EPOXY

REBAR SIZE Metric (US) [Can]	PRODUCT CODE		COUPLER WEIGHT (kg)	LENGTH 'L' (mm)	'A' (mm)	'B' (mm)	'C' (mm)	'X' (mm)	NUMBER SCREWS PER BAR	AVERAGE SCREW TORQUE (Nm)	MIN. IMPACT WRENCH RATING (Nm)
	TYPE 2	EPOXY									
10 (#3)	03ZBA	03ZEA	0.45	127	21	16	11	29	2	80	350
12 (#4) [10M]	04ZBA	04ZEA	1.00	178	27	17	13	35	3		
14 (#5)	05ZBA	05ZEA	1.57	229	31	21	15	41	4		
16 (#5) [15M]	05ZBA	05ZEA	1.54	229	29	19	16	41	4		
20 (#6) [20M]	06ZBA	06ZEA	2.13	280	30	24	17	44	5	140	700
22 (#7)	07ZBA	07ZEA	3.45	330	32	27	21	52	5		
25 (#8) [25M]	08ZBA	08ZEA	4.94	388	33	27	22	57	6	290	1000
29 (#9) [30M]	09ZBA	09ZEA	7.98	426	41	32	27	67	6		
32 (#10)	10ZBA	10ZEA	9.71	486	43	37	29	70	7		
36 (#11) [35M]	11ZBA	11ZEA	11.5	546	46	38	32	75	8	470	1400
38 (#12)	12ZBA	12ZEA	11.6	330	55	47	38	87	7		
40 (#13)	13ZBA	13ZEA	12.8	360	54	46	39	89	8		
43 (#14) [45M]	14ZBA	14ZEA	16.9	457	59	44	38	95	10		
50 (#16)	16ZBA	16ZEA	23.8	603	61	52	43	100	16		
57 (#18) [55M]	18ZBA	18ZEA	33.6	749	64	57	46	111	21		



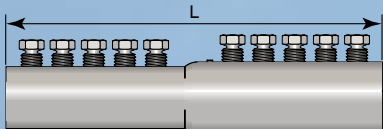
ZAP SCREWLOK SL

REBAR SIZE Metric (US) [Can]	PRODUCT CODE		COUPLER WEIGHT (kg)	LENGTH 'L' (mm)	'A' (mm)	'B' (mm)	'C' (mm)	'X' (mm)	NUMBER SCREWS PER BAR	AVERAGE SCREW TORQUE (Nm)	MIN. IMPACT WRENCH RATING (Nm)
	SL										
12 (#4) [10M]	04SZBA		0.68	127	27	17	13	35	2	80	350
14 (#5)	05SZBA		1.20	178	31	21	15	41	3		
16 (#5) [15M]	05SZBA		1.18	178	29	19	16	41	3		
20 (#6) [20M]	06SZBA		1.72	229	30	24	17	44	4	140	700
22 (#7)	07SZBA		2.81	273	32	27	21	52	4		
25 (#8) [25M]	08SZBA		4.22	330	33	27	22	57	5	290	1000
29 (#9) [30M]	09SZBA		6.49	353	41	32	27	67	4		
32 (#10)	10SZBA		8.26	419	43	37	29	70	5		
36 (#11) [35M]	11SZBA		10.1	486	46	38	32	75	6	470	1400
38 (#12)	12SZBA		9.3	270	55	47	38	87	5		
40 (#13)	13SZBA		9.81	300	54	46	39	89	6		
43 (#14) [45M]	14SZBA		11.8	330	59	44	38	95	7		
57 (#18) [55M]	18SZBA		26.5	597	64	57	46	111	16		



ZAP SCREWLOK TRANSITION

REBAR SIZE Metric [Can]	PRODUCT CODE		COUPLER WEIGHT (kg)	LENGTH 'L' (mm)	'A' (mm)	'B' (mm)	'C' (mm)	'X' (mm)	NUMBER SCREWS PER BAR	AVERAGE SCREW TORQUE (Nm)	MIN. IMPACT WRENCH RATING (Nm)
	TRANSITION										
16/12 [15M/10M]	05/04ZBA	1.36	203	29	19	16	41	41	3	80	350
16/14	05ZBA										
20/12	06/04ZBA	1.95	254	30	24	17	44	4			
20/14	06/05ZBA										
20/16 [20M/15M]	06/05ZBA	3.08	305	32	27	21	52	4	140	700	
22/16	07/05ZBA										
22/20	07/06ZBA	4.49	359	33	29	22	57	5			
25/16 [25M/15M]	08/05ZBA										
25/20 [25M/20M]	08/06ZBA	7.35	395	41	32	27	67	5	290	1000	
25/22	08/07ZBA										
29/20 [30M/20M]	09/06ZBA	9.12	456	43	37	29	70	6			
29/22	09/07ZBA										
29/25 [30M/25M]	09/08ZBA	9.12	456	46	38	32	71	6			
32/22	10/07ZBA										
32/25	10/08ZBA	10.3	516	46	38	32	71	7	470	1400	
32/29	10/09ZBA										
36/22	11/07ZBA	12.8	360	54	46	39	89	8			
36/25 [35M/25M]	11/08ZBA										
36/29 [35M/30M]	11/09ZBA	11.8	330	59	44	38	95	7			
36/32	11/10ZBA										
40/32	13/10ZBA	24.1	470	63	57	46	111	12			
43/32	14/10ZBA										
43/36 [45M/35M]	14/11ZBA										
57/43 [55M/45M]	18/14ZBA										

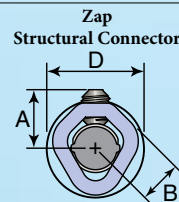


ZAP SCREWLOK® DATA SHEET

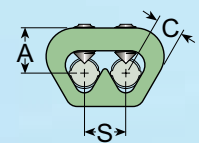
Dimensions & Data (page 2)

[metric units]

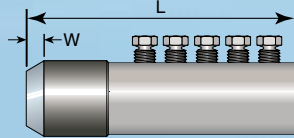
END VIEW (AFTER ASSEMBLY)



Double Barrel Zap

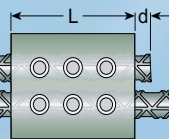


ZAP STRUCTURAL CONNECTOR



REBAR SIZE Metric [Can]	PRODUCT CODE Structural Conn	CONNECTOR WEIGHT (kg)	LENGTH 'L' (mm)	'A' (mm)	'B' (mm)	'D' (mm)	'W' (mm)	NUMBER SCREWS PER BAR	AVERAGE SCREW TORQUE (Nm)	MIN. IMPACT WRENCH RATING (Nm)
12 [10M]	04SZSC	0.41	73	27	17	37	5	2	80	350
14	05SZSC	0.69	105	31	21	43	6	3		
16 [15M]	05SZSC	0.68	105	29	19	43	6	3		
20 [20M]	06SZSC	1.04	137	30	24	48	6	4		
22	07SZSC	1.63	162	32	27	54	8	4	140	700
25 [25M]	08SZSC	2.49	200	33	27	59	10	5		
29 [30M]	09SZSC	3.45	191	41	32	68	11	4	290	1000
32	10SZSC	4.35	226	43	37	73	13	5		
36 [35M]	11SZSC	5.49	267	46	38	76	14	6		
43 [45M]	14SZSC	8.16	226	59	44	97	17	7	470	1400
57 [55M]	18SZSC	17.0	391	64	57	114	22	16		

DOUBLE BARREL ZAP



REBAR SIZE Metric [Can]	PRODUCT CODE Double Barrel	COUPLER WEIGHT (kg)	LENGTH 'L' (mm)	'A' (mm)	'C' (mm)	'S' (mm)	'd' (mm)	NUMBER SCREWS PER BAR	AVERAGE SCREW TORQUE (Nm)	MIN. IMPACT WRENCH RATING (Nm)
10	03DBZA	0.59	54	29	10	24	10	2	80	350
12 [10M]	04DBZA	0.59	54	27	13	24	13	2		
12/10	04/03DBZA									
14	05DBZA	1.06	76	31	15	24	15	3		
16 [15M]	05DBZA	1.04	76	29	16	24	16	3		
16/12	05/04DBZA									
16/14	05DBZA									
20 [20M]	06DBZA	1.45	99	30	19	24	19	4		
20/14	06/05DBZA									
20/16	06/05DBZA									
22	07DBZA									
22/20	07/06DBZA	3.22	137	33	22	35	22	4	140	700
25 [25M]	08DBZA	4.85	165	45	25	29	25	5		
25/22	08/07DBZA									

ZAP SCREWLOK® Mechanical Splices and Connectors for Reinforcing Bars - Review...

ZAP SCREWLOK® mechanical splices and connectors are compatible with reinforcing bars that comply with ASTM A615, ASTM A706, ASTM A996, or equal and consist of smooth, shaped, steel sleeves with converging sides. A series of cone-pointed hex-head screws are arranged along the longitudinal axes in one or two rows. In the case of butt splices, reinforcing bars are inserted from each end to a center stop. No special bar-end preparation is required, so ends can be sheared, sawed, or flame-cut. *Installation instructions are normally supplied with orders and are also available at www.barsplice.com.*

During mechanical splice assembly, the screws are tightened and embed themselves into the rebar surface whereupon the heads twist off at a prescribed tightening torque. Forces from the screws cause rebar deformations to interlock within the coupling wedge. This DUAL mechanical action, results in a full positive connection for transferring tension or compression forces from bar-to-bar. Screws can be tightened using suitable impact wrenches. Linear alignment is preserved across the splice by using reinforcing bars with straight ends and securing the continuation bar in the desired position at the time of assembly.

When making splices between fixed points, a coupler sleeve without a center stop can be slipped entirely onto one bar and subsequently repositioned over the two bar ends being spliced.

Mechanical butt splices and connectors are available for reinforcing bar sizes No. 10 through 57 mm per BPI's Dimensions & Data charts. Transition splices are used to connect rebars of different sizes.

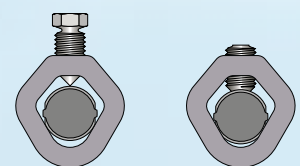
Mechanical lap splices are available for bar sizes No. 10 through 25 mm.

Epoxy-coated steel reinforcing bars that comply with ASTM A775/A775M can be spliced by means of Epoxy-coated Zap Screwlok® coupling sleeves without shielding or removing the epoxy coating from the bar. Zinc-coated (galvanized) bars can be mechanically spliced by means of galvanized Zap Screwlok® coupling sleeves.

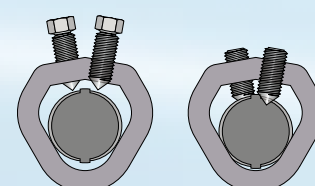
ZAP SCREWLOK® is an engineered mechanical splice system whose strength is independent of the concrete which surrounds it, thereby providing true structural continuity. Applications include new construction, field repair of reinforcement, splicing of column steel, beam reinforcement, concrete piles and deck steel, and splicing of older types of reinforcing bars. The Zap Screwlok® system is used for rehab and retrofit projects, strengthening and up-grading concrete elements, extending deck steel to widen bridges, highway patch and repair projects, splicing of bars across closure pours. Zap Screwlok® Type 2 splices are used for mechanically splicing reinforcement in members resisting earthquake induced forces. Benefits of Zap Screwlok® include a field installed splice with easy visual inspection, no specialized equipment, minimal clearance requirements, a positive rebar center-stop and no rebar end preparation.

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Single Row
10 - 36
BEFORE
AND
AFTER
ASSEMBLY



Double Row
38 - 57
BEFORE
AND
AFTER
ASSEMBLY



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