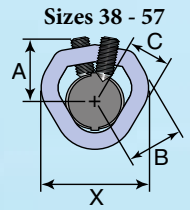
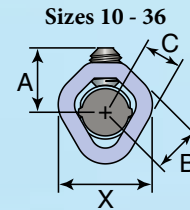


ZAP SCREWLOK® DATA SHEET

Dimensions & Data

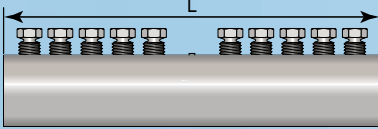
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END VIEW
(AFTER ASSEMBLY)



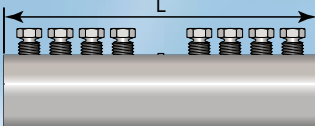
ZAP SCREWLOK TYPE 2 / EPOXY

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		



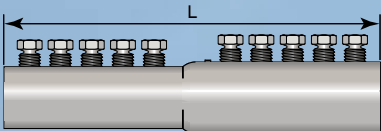
ZAP SCREWLOK SL

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	SL									
12 (#4) [10M]	04SZBA	04SZBA	0.68	127	27	17	13	35	2	80	350
14 (#5)	05SZBA	05SZBA	1.20	178	31	21	15	41	3		
16 (#5) [15M]	05SZBA	05SZBA	1.18	178	29	19	16	41	3		
20 (#6) [20M]	06SZBA	06SZBA	1.72	229	30	24	17	44	4	140	700
22 (#7)	07SZBA	07SZBA	2.81	273	32	27	21	52	4		
25 (#8) [25M]	08SZBA	08SZBA	4.22	330	33	27	22	57	5	290	1000
29 (#9) [30M]	09SZBA	09SZBA	6.49	353	41	32	27	67	4		
32 (#10)	10SZBA	10SZBA	8.26	419	43	37	29	70	5		
36 (#11) [35M]	11SZBA	11SZBA	10.1	486	46	38	32	75	6	470	1400
38 (#12)	12SZBA	12SZBA	9.3	270	55	47	38	87	5		
40 (#13)	13SZBA	13SZBA	9.81	300	54	46	39	89	6		
43 (#14) [45M]	14SZBA	14SZBA	11.8	330	59	44	38	95	7		
57 (#18) [55M]	18SZBA	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	TRANSITION									
16/12 [15M/10M]	05/04ZBA	05/04ZBA	1.36	203	29	19	16	41	3	80	350
16/14	05ZBA	05ZBA									
20/12	06/04ZBA	06/04ZBA	1.95	254	30	24	17	44	4		
20/14	06/05ZBA	06/05ZBA									
20/16 [20M/15M]	06/05ZBA	06/05ZBA	3.08	305	32	27	21	52	4	140	700
22/16	07/05ZBA	07/05ZBA									
22/20	07/06ZBA	07/06ZBA									
25/16 [25M/15M]	08/05ZBA	08/05ZBA	4.49	359	33	29	22	57	5	290	1000
25/20 [25M/20M]	08/06ZBA	08/06ZBA									
25/22	08/07ZBA	08/07ZBA									
29/20 [30M/20M]	09/06ZBA	09/06ZBA	7.35	395	41	32	27	67	5		
29/22	09/07ZBA	09/07ZBA									
29/25 [30M/25M]	09/08ZBA	09/08ZBA	9.12	456	43	37	29	70	6		
32/22	10/07ZBA	10/07ZBA									
32/25	10/08ZBA	10/08ZBA									
32/29	10/09ZBA	10/09ZBA	9.12	456	46	38	32	71	6	470	1400
36/22	11/07ZBA	11/07ZBA									
36/25 [35M/25M]	11/08ZBA	11/08ZBA									
36/29 [35M/30M]	11/09ZBA	11/09ZBA	10.3	516	46	38	32	71	7		
36/32	11/10ZBA	11/10ZBA									
40/32	13/10ZBA	13/10ZBA	12.8	360	54	46	39	89	8	470	1400
43/32	14/10ZBA	14/10ZBA	11.8	330	59	44	38	95	7		
43/36 [45M/35M]	14/11ZBA	14/11ZBA									
57/43 [55M/45M]	18/14ZBA	18/14ZBA	24.1	470	63	57	46	111	12		

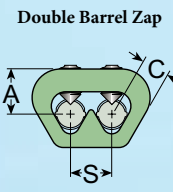
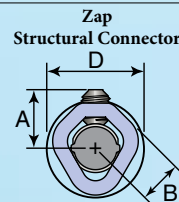


ZAP SCREWLOK® DATA SHEET

Dimensions & Data (page 2)

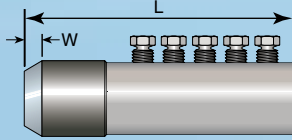
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END VIEW (AFTER ASSEMBLY)



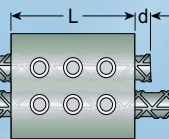
ZAP STRUCTURAL CONNECTOR

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.

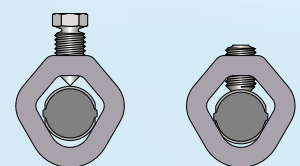
Mechanical lap splices are available for bar sizes No. 10 through 25 mm.

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.

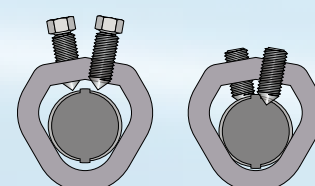
ZAP SCREWLOK® is an engineered mechanical splice system whose strength is independent of the concrete which surrounds it, thereby providing true structural continuity. Applications include new construction, field repair of reinforcement, splicing of column steel, beam reinforcement, concrete piles and 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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