



A-ZN SERIES

The A-ZN Series Flat Face Couplings utilize specialized plating for high corrosion resistance, designed to exceed the ISO salt spray test. Standard zinc plating is rated for 400 hours before red spotting. The Z version offers higher pressure and superior flow ratings with a lower pressure drop compared to competitors' products. The ZN version plating is designed to exceed 1000 hours before the appearance of red spotting in the same ISO salt spray test.

Category: [Flat Face Couplers](#) Tags: [Industry: Aerospace](#), [Industry: Agricultural](#), [Industry: Industrial](#), [Industry: Mobile](#), [Industry: Oil & Gas](#)

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DESCRIPTION

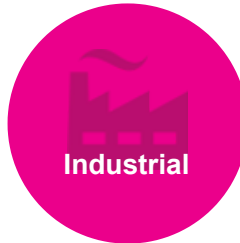
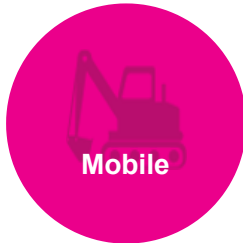
Features

- Size range: 3/8" thru 5/8"
- Port options: NPT Interchanges with ISO 16028

- Exceeds impulse test of ISOA-7241 test
- Lock system stops unwanted disconnect
- Modular structure for multiple port option
- Hardened steel, 12 to 20 balls reduce brinelling

Applications

- Medium- to high-corrosion environments
- Anywhere fluid loss and hydraulic circuit contamination need to be eliminated
- Snow removal, mobile construction, agriculture, and mining operations



Pressure Drop



Burst Pressure											
			Max Operating Pressure Coupled		COUPLED		MALE		FEMALE		
Description	Size	ISO Size	MPa	psi	MPa	psi	MPa	psi	MPa	psi	
A9	3/8	10.0	35	5075	100	14500	100	14500	100	14500	
A13	1/2	12.5	33	4785	100	14500	100	14500	100	14500	
A15	5/8	16.0	33	4785	100	14500	100	14500	100	14500	

* Spillage is an indicative value of the fluid loss per couple-uncouple cycle.

Size Diagram



DESC.	BODY SIZE	A	UNIT	B	C	D	E	F	G	H	I	J
A9	3/8	3/8	mm	27.0	30.0	60.0	32.0	64.8	108.8	29.0	32.0	19.0
			inch	1.06	1.18	2.36	1.26	2.55	4.28	1.14	1.26	0.75
A9	3/8	1/2	mm	27.0	30.0	62.5	32.0	69.8	116.3	29.0	32.0	19.0
			inch	1.06	1.18	2.46	1.26	2.75	4.58	1.14	1.26	0.75
A13	1/2	1/2	mm	36.0	36.0	68.0	38.0	76.8	127.5	40.0	40.0	24.0
			inch	1.42	1.42	2.68	1.50	3.02	5.02	1.57	1.57	0.94
A13	1/3	3/4	mm	36.0	36.0	70.5	38.0	83.8	137.0	40.0	40.0	24.0
			inch	1.42	1.42	2.78	1.50	3.30	5.39	1.57	1.57	0.94
A15	5/8	3/4	mm	36.0	41.0	73.0	42.0	84.0	139.4	38.5	44.8	27.0
			inch	1.42	1.61	2.87	1.65	3.31	5.49	1.52	1.76	1.06

A-ZN Series NPT Thread Flat Face with Iron Zinc Plating | ISO 16028

PART	BODY SIZE	PORT SIZE	THREAD TYPE	ORDER CODE	PART DESCRIPTION
A-ZN NPT THREAD					
COUPLER	3/8	3/8	NPT	809701006	F. A9ZN 3/8 NPT
NIPPLE	3/8	3/8	NPT	809701007	M. A9ZN 3/8 NPT
COUPLER	1/5	1/2	NPT	809701008	F. A13ZN 1/2 NPT
NIPPLE	1/5	1/2	NPT	809701009	M. A13ZN 1/2 NPT
COUPLER	5/8	3/4	NPT	809701012	F. A15ZN 3/4 NPT
NIPPLE	5/8	3/4	NPT	809701013	M. A15ZN 3/4 NPT

A-ZN Series Accessories Coupler Dust Cap | Nipple Dust Cap

Body Size	Port Size	Order Code	Description	Order Code	Description
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Body Size	Port Size	Order Code	Description	Order Code	Description
			Coupler/Female Dust Cap	Nipple/Male Dust Cap	
3/8	3/8			815100003	CAP M. FIRG38/A9
3/8	3/8 & 1/2	815100002	CAP F. FIRG38/A9/FIRG12	815100005	CAP M. FIRG12/A9
1/2	1/2	815100004	CAP F. FIRG12A/A13	815100007	CAP M. FIRG12A/A13
1/2	1/2 & 1/4	815100006	CAP F. FIRG34/A13	815100009	CAP M. FIRG34/A13
5/8	3/4	815100008	CAP F. FIRG34B/A15	815100011	CAP M. FIRG34B/A15

Repair Kits

Order Code	Description
A Premier Series	
815700097	KIT M. A9
815700099	KIT M. A13
815700101	KIT M. A15

ADDITIONAL INFORMATION

Body Size	<u>3/8"</u> , <u>1/2"</u> , <u>5/8"</u>
Port Options	<u>NPT</u>
Port Size	<u>3/8"</u> , <u>1/2"</u> , <u>5/8"</u>
Valve Style	<u>Flat Face</u>

Related products



VP SERIES

The VP Series Auto-Lock Sleeve Flat Face Coupler is the most popular solution for high residual pressure. With an auto-lock sleeve and the ability to connect/disconnect with high residual pressure, the VP series provides positive secondary retention in hydraulic circuit applications subject to high pressure impulses and circuits which experience high residual or trapped pressure in a line.

[Read more](#)

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FIRG SERIES

The FIRG Flat Face Series, the original ISO 16028 interchangeable coupling, continues to offer good performance, long life and competitive pricing. The integrated sealing mechanism greatly reduces premature wear caused by movement between coupler and nipple parts affected by impulse pressure and the weight of the hoses and tubing when the coupling is in horizontal position.

[Read more](#)

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DP PLATE SERIES

The DP Series of Multi-Coupling Plates allows the simultaneous couple and uncouple of two to four hydraulic and/or electrical lines with a single, simple movement requiring very little force. The circuit lines can all have the same coupler nominal diameter and different media. A dust cap is supplied, and options include: an electrical connector for low voltage requirements and a parking station.

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AG INTERCHANGE IR | IRV | IRS SERIES

The Agriculture IR Series Hydraulic Quick Couplings offer automatic shut-off during disconnection. The IR features a variety of connection mechanisms: ball (IR), poppet (IRV), push pull (IRS) or push pull sleeve connectable under residual pressure (IRS PC). Poppet or flat-face are recommended for new applications.

[Read more](#)