

METER SWIVELS

Non-Insulated, Straight, Male Swivels



RICHARDS PART NUMBER			PILOT SIZE	THREAD SIZE	LENGTH
BLACK	GALVANIZED	ZINC ELECTROPLATED			
SS-5LT-1 1/2	SS-5LT-1 1/2-G	SS-5LT-1 1/2-Z	5LT	1/2"	2-7/32"
SS-10LT-3/4	SS-10LT-3/4-G	SS-10LT-3/4-Z	10LT	3/4"	2-15/16"
SS-1A-3/4	SS-1A-3/4-G	SS-1A-3/4-Z	1A	3/4"	2-3/8"
SS-1A-01	SS-1A-01-G	SS-1A-01-Z	1A	1"	2-13/32"
SS-20LT-3/4	SS-20LT-3/4-G	SS-20LT-3/4-Z	20LT	3/4"	2-11/32"
SS-20LT-01	SS-20LT-01-G	SS-20LT-01-Z	20LT	1"	2-25/32"
SS-30LT-01	SS-30LT-01-G	SS-30LT-01-Z	30LT	1"	2-27/32"
SS-30LT-1 1/4	SS-30LT-1 1/4-G	SS-30LT-1 1/4-Z	30LT	1-1/4"	2-7/8"
SS-45LT-1 1/4	SS-45LT-1 1/4-G	SS-45LT-1 1/4-Z	45LT	1-1/4"	3-3/4"
SS-45LT-1 1/2	SS-45LT-1 1/2-G	SS-45LT-1 1/2-Z	45LT	1-1/2"	2-15/16"
SS-60LT-1 1/2	SS-60LT-1 1/2-G	SS-60LT-1 1/2-Z	60LT	1-1/2"	3-1/32"
SS-3&4-1 1/2	SS-3&4-1 1/2-G	SS-3&4-1 1/2-Z	SP 3 & 4	1-1/2"	3-1/16"
SS-100LT-2	SS-100LT-2-G	SS-100LT-2-Z	100LT	2"	3-13/16"

Insulated, Straight Male Swivels



RICHARDS PART NUMBER			PILOT SIZE	THREAD SIZE	LENGTH
BLACK	GALVANIZED	ZINC ELECTROPLATED			
SS-10LT-3/4-I	SS-10LT-3/4-GI	SS-10LT-3/4-ZI	10LT	3/4"	2-5/16"
SS-1A-3/4-I	SS-1A-3/4-GI	SS-1A-3/4-ZI	1A	3/4"	2-3/8"
SS-1A-01-I	SS-1A-01-GI	SS-1A-01-ZI	1A	1"	2-13/32"
SS-20LT-3/4-I	SS-20LT-3/4-GI	SS-20LT-3/4-ZI	20LT	3/4"	2-11/32"
SS-20LT-01-I	SS-20LT-01-GI	SS-20LT-01-ZI	20LT	1"	2-25/32"
SS-20LT-01-I4	SS-20LT-01-GI4	SS-20LT-01-ZI4	20LT	1"	3-13/16"
SS-30LT-01-I	SS-30LT-01-GI	SS-30LT-01-ZI	30LT	1"	2-27/32"
SS-30LT-1 1/4-I	SS-30LT-1 1/4-GI	SS-30LT-1 1/4-ZI	30LT	1-1/4"	2-7/8"
SS-45LT-1 1/4-I	SS-45LT-1 1/4-GI	SS-45LT-1 1/4-ZI	45LT	1-1/4"	3-3/4"
SS-45LT-1 1/2-I	SS-45LT-1 1/2-GI	SS-45LT-1 1/2-ZI	45LT	1-1/2"	2-15/16"
SS-3&4-1 1/2-I	SS-3&4-1 1/2-GI	SS-3&4-1 1/2-ZI	SP 3 & 4	1-1/2"	3-1/16"
SS-100LT-2-I	SS-100LT-2-GI	SS-100LT-2-ZI	100LT	2"	3-13/16"

Richards Swivels are also available with Pressure Taps. Please specify the size and location of the tap, and the type of plug when ordering.

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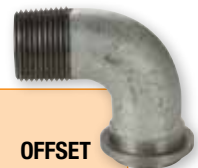
RICHARDS PART NUMBER			PILOT SIZE	THREAD SIZE	OFFSET
BLACK	GALVANIZED	ZINC ELECTROPLATED			
FS-1A-3/4	FS-1A-3/4-G	FS-1A-3/4-Z	1A	3/4"	—
FS-20LT-3/4	FS-20LT-3/4-G	FS-20LT-3/4-Z	20LT	3/4"	—
FS-45LT-1 1/4	FS-45LT-1 1/4-G	FS-45LT-1 1/4-Z	45LT	1-1/4"	—

Insulated, Straight, Female Swivels



RICHARDS PART NUMBER			PILOT SIZE	THREAD SIZE	OFFSET
BLACK	GALVANIZED	ZINC ELECTROPLATED			
FS-1A-3/4-I	FS-1A-3/4-GI	FS-1A-3/4-ZI	1A	3/4"	—
FS-20LT-3/4-I	FS-20LT-3/4-GI	FS-20LT-3/4-ZI	20LT	3/4"	—
FS-45LT-1 1/4-I	FS-45LT-1 1/4-G	FS-45LT-1 1/4-Z	45LT	1-1/4"	—

Non-Insulated, Swivel Elbows



RICHARDS PART NUMBER			PILOT SIZE	THREAD SIZE	OFFSET
BLACK	GALVANIZED	ZINC ELECTROPLATED			
OS-90-3/4-20LT	OS-90-3/4-20LT-G	OS-90-3/4-20LT-Z	20LT	3/4"	—
OS-90-1-20LT	OS-90-1-20LT-G	OS-90-1-20LT-Z	20LT	1"	—
MEL-1 1/4-30LT	MEL-1 1/4-30LT-G	MEL-1 1/4-30LT-Z	30LT	1-1/4"	—

Insulated Swivel Elbows



RICHARDS PART NUMBER			PILOT SIZE	THREAD SIZE	OFFSET
BLACK	GALVANIZED	ZINC ELECTROPLATED			
OS-90-1-20LT-I	OS-90-1-20LT-GI	OS-90-1-20LT-ZI	20LT	1"	—

METER SWIVELS



Non-Insulated, Offset Male Swivels

RICHARDS PART NUMBER			PILOT SIZE	THREAD SIZE	OFFSET
BLACK	GALVANIZED	ZINC ELECTROPLATED			
OS-1/2-1 1/4-5LT	OS-1/2-1 1/4-5LT-G	OS-1/2-1 1/4-5LT-Z	5LT	1/2"	1-1/4"
OS-1/2-3-10LT	OS-1/2-3-10LT-G	OS-1/2-3-10LT-Z	10LT	1/2"	3"
OS-1/2-1 3/4-10LT	OS-1/2-1 3/4-10LT-G	OS-1/2-1 3/4-10LT-Z	10LT	1/2"	1-3/4"
OS-3/4-3/8-10LT	OS-3/4-3/8-10LT-G	OS-3/4-3/8-10LT-Z	10LT	3/4"	3/8"
OS-3/4-1-10LT	OS-3/4-1-10LT-G	OS-3/4-1-10LT-Z	10LT	3/4"	1"
OS-3/4-1 1/4-10LT	OS-3/4-1 1/4-10LT-G	OS-3/4-1 1/4-10LT-Z	10LT	3/4"	1-1/4"
OS-3/4-1 3/4-10LT	OS-3/4-1 3/4-10LT-G	OS-3/4-1 3/4-10LT-Z	10LT	3/4"	1-3/4"
OS-3/4-4-10LT	OS-3/4-4-10LT-G	OS-3/4-4-10LT-Z	10LT	3/4"	3-15/16"
OS-1/2-3-1A	OS-1/2-3-1A-G	OS-1/2-3-1A-Z	1A	1/2"	2-3/4"
OS-3/4-1-1A	OS-3/4-1-1A-G	OS-3/4-1-1A-Z	1A	3/4"	1"
OS-3/4-3-1A	OS-3/4-3-1A-G	OS-3/4-3-1A-Z	1A	3/4"	3"
OS-1-1-1A	OS-1-1-1A-G	OS-1-1-1A-Z	1A	1"	1"
OS-1/2-3-20LT	OS-1/2-3-20LT-G	OS-1/2-3-20LT-Z	20LT	1/2"	2-7/8"
OS-3/4-1 5/8-20LT	OS-3/4-1 5/8-20LT-G	OS-3/4-1 5/8-20LT-Z	20LT	3/4"	1-5/8"
OS-3/4-3-20LT	OS-3/4-3-20LT-G	OS-3/4-3-20LT-Z	20LT	3/4"	3"
OS-1-1-20LT	OS-1-1-20LT-G	OS-1-1-20LT-Z	20LT	1"	1"
OS-1-1 1/2-20LT	OS-1-1 1/2-20LT-G	OS-1-1 1/2-20LT-Z	20LT	1"	1-1/2"
OS-3/4-3-30LT	OS-3/4-3-30LT-G	OS-3/4-3-30LT-Z	30LT	3/4"	3"
OS-1-1-30LT	OS-1-1-30LT-G	OS-1-1-30LT-Z	30LT	1"	1"
OS-1-1 1/4-30LT	OS-1-1 1/4-30LT-G	OS-1-1 1/4-30LT-Z	30LT	1"	1-1/4"
OS-1-4 3/8-30LT	OS-1-4 3/8-30LT-G	OS-1-4 3/8-30LT-Z	30LT	1"	4-3/8"
OS-1 1/4-1-30LT	OS-1 1/4-1-30LT-G	OS-1 1/4-1-30LT-Z	30LT	1-1/4"	1"
OS-1 1/4-1 5/8-45LT	OS-1 1/4-1 5/8-45LT-G	OS-1 1/4-1 5/8-45LT-Z	45LT	1-1/4"	1-5/8"
OS-1 1/4-2-45LT	OS-1 1/4-2-45LT-G	OS-1 1/4-2-45LT-Z	45LT	1-1/4"	2"
OS-1 1/4-2 3/4-45LT	OS-1 1/4-2 3/4-45LT-G	OS-1 1/4-2 3/4-45LT-Z	45LT	1-1/4"	2-3/4"
OS-1 1/2-1-45LT	OS-1 1/2-1-45LT-G	OS-1 1/2-1-45LT-Z	45LT	1-1/2"	1"
OS-1 1/2-2-45LT	OS-1 1/2-2-45LT-G	OS-1 1/2-2-45LT-Z	45LT	1-1/2"	2"
OS-1 1/2-1-60LT	OS-1 1/2-1-60LT-G	OS-1 1/2-1-60LT-Z	60LT	1-1/2"	1"
OS-1 1/2-41/2-60LT	OS-1 1/2-41/2-60LT-G	OS-1 1/2-41/2-60LT-Z	60LT	1-1/2"	4-1/2"
OS-1 1/2-1-3&4	OS-1 1/2-1-3&4-G	OS-1 1/2-1-3&4-Z	3&4	1-1/2"	1"
OS-2-1-100LT	OS-2-1-100LT-G	OS-2-1-100LT-Z	100LT	2"	1"

METER SWIVELS

Insulated, Offset Male Swivels



RICHARDS PART NUMBER			PILOT SIZE	THREAD SIZE	OFFSET
BLACK	GALVANIZED	ZINC ELECTROPLATED			
OS-1-1-20LT-I	OS-1-1-20LT-GI	OS-1-1-20LT-ZI	20LT	1"	1"
OS-1-1-30LT-I	OS-1-1-30LT-GI	OS-1-1-30LT-ZI	30LT	1"	1"
OS-1 1/4-1-30LT-I	OS-1 1/4-1-30LT-GI	OS-1 1/4-1-30LT-ZI	30LT	1-1/4"	1"
OS-1 1/4-2-45LT-I	OS-1 1/4-2-45LT-GI	OS-1 1/4-2-45LT-ZI	45LT	1-1/4"	2"
OS-1 1/2-1-45LT-I	OS-1 1/2-1-45LT-GI	OS-1 1/2-1-45LT-ZI	45LT	1-1/2"	1"
OS-1 1/2-2-45LT-I	OS-1 1/2-2-45LT-GI	OS-1 1/2-2-45LT-ZI	45LT	1-1/2"	2"

METER CONNECTION NUTS



RICHARDS PART NUMBER			PILOT SIZE
BLACK	GALVANIZED	ZINC ELECTROPLATED	
N5LT	N5LT-G	N5LT-Z	5LT
N10LT	N10LT-G	N10LT-Z	10LT
N1A	N1A-G	N1A-Z	1A
NEMCO	NEMCO-G	NEMCO-Z	0 EMCO
N20LT	N20LT-G	N20LT-Z	20LT
N30LT	N30LT-G	N30LT-Z	30LT
N45LT	N45LT-G	N45LT-Z	45LT
N60LT	N60LT-G	N60LT-Z	60LT
N3&4	N3&4-G	N3&4-Z	SP 3&4
N100LT	N100LT-G	N100LT-Z	100LT



METER NUT PLUGS

RICHARDS PART NUMBER				PILOT SIZE
PLASTIC	BLACK	GALVANIZED	ZINC ELECTROPLATED	
PP-5LT	P5LT	P5LT-G	P5LT-Z	5LT
PP-10LT	P10LT	P10LT-G	P10LT-Z	10LT
PP-1A	P1A	P1A-G	P1A-Z	1A
PP-20LT	P20LT	P20LT-G	P20LT-Z	20LT
PP-30LT	P30LT	P30LT-G	P30LT-Z	30LT
PP-45LT	P45LT	P45LT-G	P45LT-Z	45LT

METER CONNECTION ADAPTORS

Meter connection adaptors allow you to change the size of your meter connection without changing swivels. For instance, you can turn an existing 10LT connection into a 20LT connection, or you can use one of our adaptors to attach a new connection swivel to an existing one. Special needs can be accommodated as well — call us with your particular request..

- Use existing connections
- No need to repipe existing meter installations
- Upsize or downsize meters with minimal effort



METER CONNECTION BLINDS

RICHARDS PART NUMBER	PILOT SIZE
B5LT	5LT
B10LT	10LT
B1A	1A
B1A	0 EMCO
B20LT	20LT
B30LT	30LT
B45LT	45LT
B3&4	SPRAGUE 3&4
B100LT	100LT
B5A	SPRAGUE #5



METER CONNECTION WASHERS

RICHARDS PART NUMBER		DIMENSIONS ID X OD	PILOT SIZE
0.100" THICK	1/8" THICK		
W5LT		3/4" X 1"	5LT
W10LT		31/32" X 1-5/16"	10LT
W1A	W1A - 1/8	31/32" X 1-3/8"	1A
W1A	W1A - 1/8	31/32" X 1-3/8"	0 EMCO
W20LT	W20LT - 1/8	1-9/32" X 1-21/32"	20LT
W30LT	W30LT - 1/8	1-15/32" X 1-7/8"	30LT
W45LT	W45LT - 1/8	1-21/32" X 2-7/32"	45LT
W3&4		1-15/32" X 2-1/8"	SPRAGUE 3&4
W100LT		2-3/16" X 2-13/16"	100LT
W5A		2-7/32" X 3-3/16"	SPRAGUE 5A

