

# GROUND JOINT COUPLINGS

An all-purpose coupling, the female ground joint consists of a **MALE STEM**, **WING NUT** and **FEMALE SPUD**. The female spud has NPT threads to accept the NPT threads of a rigid connection or male NPT nipple. Widely used for air, water or steam, the ground joint is secured with an interlocking clamp or ferrule. By replacing the female spud of a ground joint coupling with a double or male spud, hose-to-hose ground joint connections or hose-to-rigid connections are simplified. Double spuds for hose-to-hose connections are threaded **NPS MALE X NPS MALE**. (GJ wing nut is also NPS). For hose-to-rigid connection, the male spud is threaded **NPS MALE X NPT MALE**.

## FEMALE SPUD



SIZE	PART #
1/2"	GFS050
3/4"	GFS075
1"	GFS100
1 1/4"	GFS125
1 1/2"	GFS150
2"	GFS200
2 1/2"	GFS250
3"	GFS300
4"	GFS400

## MALE SPUD



SIZE	PART #
1/2"	GMS050
3/4"	GMS075
1"	GMS100
1 1/4"	GMS125
1 1/2"	GMS150
2"	GMS200
2 1/2"	GMS250
3"	GMS300
4"	GMS400

## DOUBLE SPUD



SIZE	PART #
1/2"	GDS050
3/4"	GDS075
1"	GDS100
1 1/4"	GDS125
1 1/2"	GDS150
2"	GDS200
2 1/2"	GDS250
3"	GDS300
4"	GDS400

## FEMALE GROUND JOINT



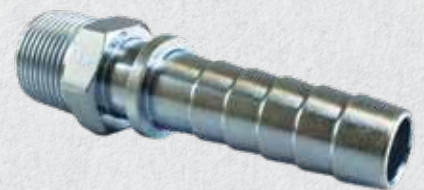
SIZE	PART #
1/2"	GJF050
3/4"	GJF075
1"	GJF100
1 1/4"	GJF125
1 1/2"	GJF150
2"	GJF200
2 1/2"	GJF250
3"	GJF300
4"	GJF400

## MALE STEM HEX HOSE NIPPLES

For air or many other applications, MS nipples are economical and reusable. The MS nipple accepts bands or clamps. However, each MS is especially designed with a collar behind the hex to engage the gripping fingers of an interlocking clamp. MS threads are NPT. Steel plated. Use also as companion end of female ground joint.

HOSE SIZE	THREAD SIZE	PART #
1/4"	1/4"	MS4-4
1/4"	3/8"	MS4-6
3/8"	1/4"	MS6-4
3/8"	3/8"	MS6-6
3/8"	1/2"	MS6-8
1/2"	1/4"	MS8-4
1/2"	3/8"	MS8-6
1/2"	1/2"	MS8-8
1/2"	3/4"	MS8-12
3/4"	1/2"	MS12-8

HOSE SIZE	THREAD SIZE	PART #
3/4"	3/4"	MS12-12
3/4"	1"	MS12-16
1"	3/4"	MS16-12
1"	1"	MS-16-16
1 1/4"	1 1/4"	MS20-20
1 1/2"	1 1/2"	MS24-24
2"	2"	MS32-32
2 1/2"	2 1/2"	MS40-40
3"	3"	MS48-48
4"	4"	MS64-64



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