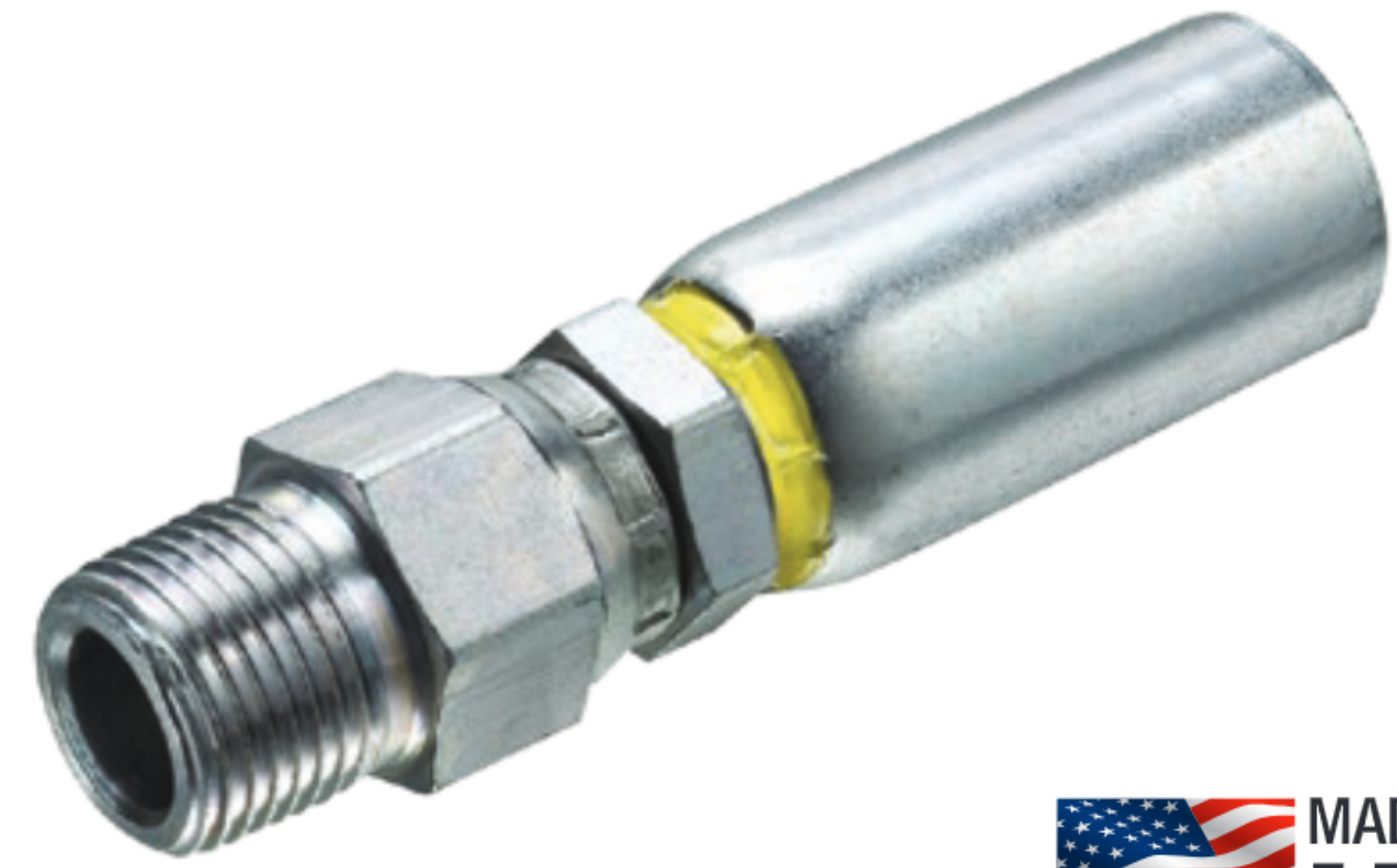
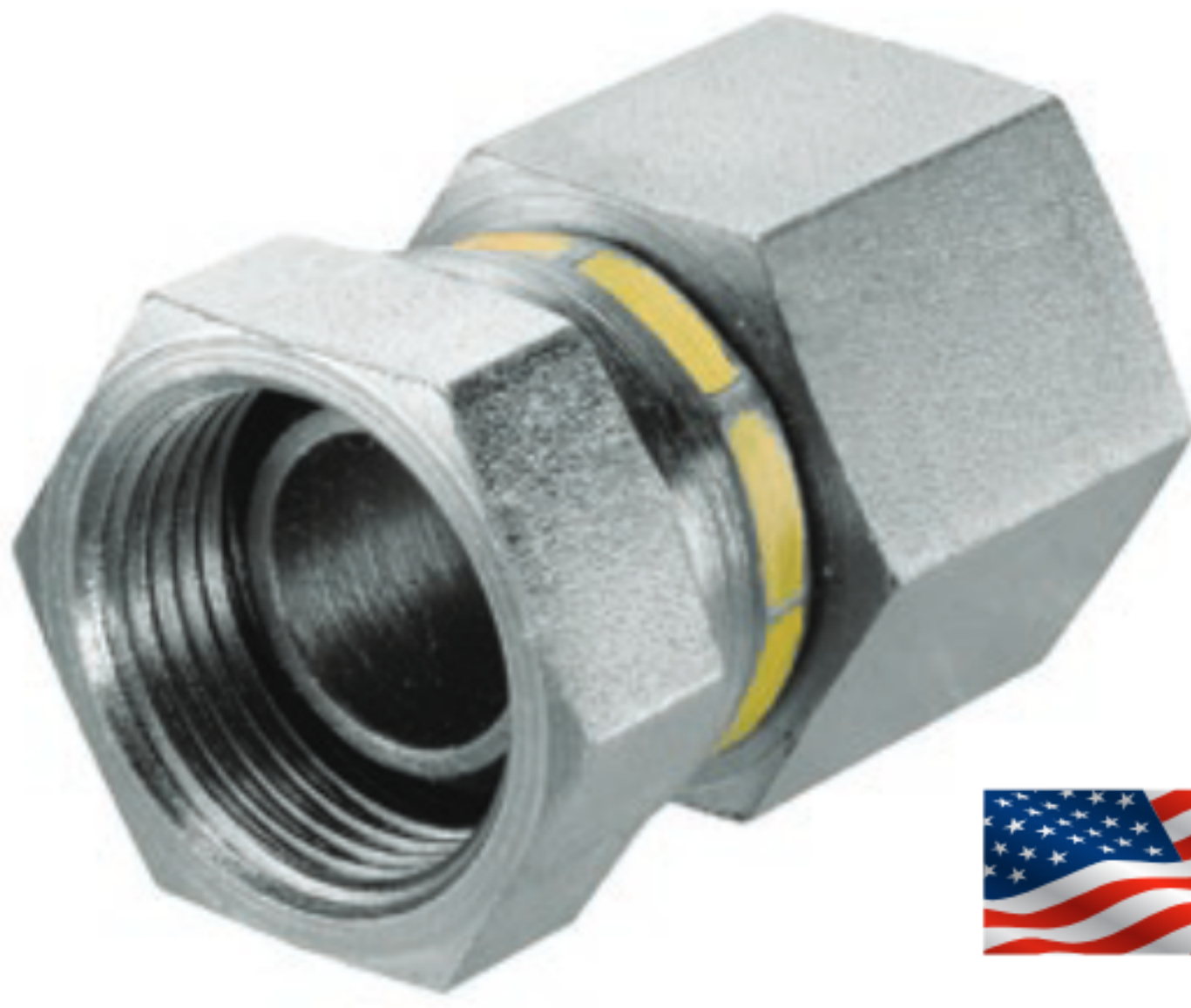




FEMALE ADAPTER FITTINGS

Hose ID (in)	Use With Hose Series	Female Adapter Part Number	Weight (lbs/each)
3/8	LLGR-06	A06FPX06FS	0.16
3/8	SLGR-06	A06FPX06FS	0.16
1/2	LAGR-08	A08FPX08FS	0.21
1/2	LHBK-08	A08FPX08FS	0.21
1/2	LLGR-08	A08FPX08FS	0.21
1/2	LLRD-08	A08FPX08FS	0.21
1/2	SHBK-08	A08FPX08FS	0.21
1/2	SLGR-08	A08FPX08FS	0.21
1/2	SLLHBK-08	A08FPX08FS	0.21
1/2	SLRD-08	A08FPX08FS	0.21
1/2	SLSHBK-08	A08FPX08FS	0.21
5/8	SAOR-10	A08FPX08FS	0.21
5/8	SHBK-10	A08FPX08FS	0.21
5/8	SLSHBK-10	A08FPX08FS	0.21
5/8	SLSPOR-10	A08FPX08FS	0.21
5/8	SPOR-10	A08FPX08FS	0.21
3/4	HPBU-12	A12FPX12FS	0.34
3/4	SLHPBU-12	A12FPX12FS	0.34
3/4	SLSPOR-12	A12FPX12FS	0.34
3/4	SPOR-12	A12FPX12FS	0.34

MALE SWIVEL FITTINGS

Hose ID (in)	Use With Hose Series	Female Adapter Part Number	Weight (lbs/each)
1/4	LLGR-04	F04MSNPT4	0.17
1/4	LLRD-04	F04MSNPT4	0.17
1/4	SLGR-04	F04MSNPT4	0.17
1/4	SLRD-04	F04MSNPT4	0.17
3/8	LLGR-06	F06MSNPT6	0.23
3/8	SLGR-06	F06MSNPT6	0.23
1/2	LHBK-08	F08MSNPT8	0.35
1/2	LLGR-08	F08MSNPT8	0.35
1/2	LLRD-08	F08MSNPT8	0.35
1/2	SLGR-08	F08MSNPT8	0.35
1/2	SLLHBK-08	F08MSNPT8	0.35
1/2	SLRD-08	F08MSNPT8	0.35

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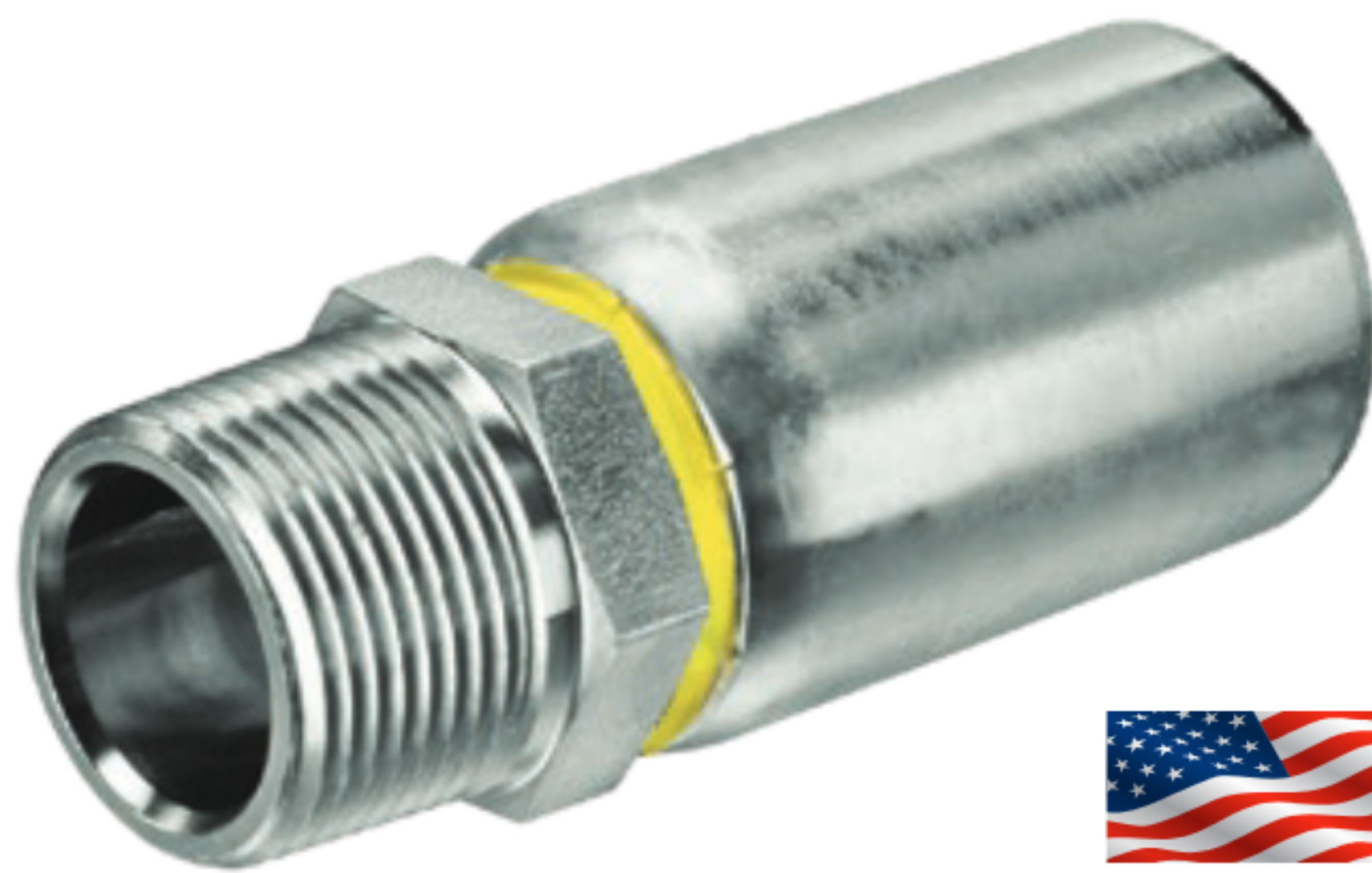


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NOTE:

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MALE FITTINGS

Hose ID (in)	Use With Hose Series	Male Part Number	Weight (lbs/each)
1/8	LLGR-02	F02NPT2	0.04
1/8	SLGR-02	F02NPT2	0.04
1/8	LLGR-02	F02NPT4	0.08
1/8	SLGR-02	F02NPT4	0.08
3/16	LLGR-03	F03NPT2	0.08
3/16	SLGR-03	F03NPT2	0.08
3/16	LLGR-03	F03NPT4	0.10
3/16	SLGR-03	F03NPT4	0.10
1/4	LLGR-04	F04NPT4	0.12
1/4	LLRD-04	F04NPT4	0.12
1/4	SLGR-04	F04NPT4	0.12
1/4	SLRD-04	F04NPT4	0.12
3/8	LLGR-06	F06NPT6	0.17
3/8	LLRD-06	FCP06NPT-NS	0.18
3/8	SLGR-06	F06NPT6	0.17
3/8	SLRD-06	FCP06NPT-NS	0.18
1/2	LAGR-08	FAR08NPT8	0.35
1/2	LHBK-08	F08NPT8	0.28
1/2	LLGR-08	F08NPT8	0.28
1/2	LLRD-08	F08NPT8	0.28
1/2	SHBK-08	FHP08NPT8	0.29
1/2	SLGR-08	F08NPT8	0.28
1/2	SLLHBK-08	F08NPT8	0.28

Hose ID (in)	Use With Hose Series	Male Part Number	Weight (lbs/each)
1/2	SLRD-08	F08NPT8	0.28
1/2	SLSHBK-08	FHP08NPT8	0.29
5/8	SHBK-10	FHP10NPT8	0.34
5/8	SLSHBK-10	FHP10NPT8	0.34
5/8	SLSPOR-10	F10NPT8	0.36
5/8	SPOR-10	F10NPT8	0.36
3/4	HABU-12	FAR12NPT12	0.50
3/4	HPBU-12	F12NPT12	0.43
3/4	SAOR-12	FAR12NPT12	0.50
3/4	SLHPBU-12	F12NPT12	0.43
3/4	SLSPOR-12	F12NPT12	0.43
3/4	SPOR-12	F12NPT12	0.43
1	HABU-16	FAR16NPT16	0.79
1	HPBU-16	F16NPT16	0.71
1	SAOR-16	FAR16NPT16	0.79
1	SLHPBU-16	F16NPT16	0.71
1	SLSPOR-16	F16NPT16	0.71
1	SPOR-16	F16NPT16	0.71
1 1/4	SAOR-20	FAR20NPT20	1.00
1 1/4	SLSPOR-20	F20NPT20	1.00
1 1/4	SPOR-20	F20NPT20	1.00
1 1/2	SPOR-24	F24NPT24	2.51
1 1/2	SLSPOR-24	F24NPT24	2.51

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FEMALE FITTINGS

Hose ID (in)	Use With Hose Series	Female Part Number	Weight (lbs/each)
3/8	LLRD-06	FCP06FS-NS	0.21
3/8	SLRD-06	FCP06FS-NS	0.21
1/2	LAGR-08	FAR08FS8	0.39
1/2	LHBK-08	F08FS8	0.29
1/2	LLGR-08	F08FS8	0.29
1/2	SHBK-08	FHP08FS8	0.30
1/2	SLGR-08	F08FS8	0.29
1/2	SLLHBK-08	F08FS8	0.29
1/2	SLSHBK-08	FHP08FS8	0.30
3/4	HABU-12	FAR12FS12	0.60
3/4	HPBU-12	F12FS12	0.52
3/4	SAOR-12	FAR12FS12	0.60
3/4	SLHPBU-12	F12FS12	0.52
3/4	SLSPOR-12	F12FS12	0.52
3/4	SPOR-12	F12FS12	0.52
1	HABU-16	FAR16FS16	0.89
1	HPBU-16	F16FS16	0.81
1	SAOR-16	FAR16FS16	0.89
1	SLHPBU-16	F16FS16	0.81
1	SLSPOR-16	F16FS16	0.81
1	SPOR-16	F16FS16	0.81

MENDERS

Hose ID (in)	Use With Hose Series	Mender Part Number	Weight (lbs/each)
1/2	LAGR-08	FAR08MEND	0.40
1/2	LHBK-08	FLL08MEND	0.33
1/2	LLGR-08	FLL08MEND	0.33
1/2	SHBK-08	F08MEND	0.36
1/2	SLGR-08	FLL08MEND	0.33
1/2	SLLHBK-08	FLL08MEND	0.33
1/2	SLSHBK-08	F08MEND	0.36
5/8	SHBK-10	FA10MEND	0.45
5/8	SLSHBK-10	FA10MEND	0.45
5/8	SLSPOR-10	F10MEND	0.47
5/8	SPOR-10	F10MEND	0.47
3/4	HABU-12	FAR12MEND	0.64
3/4	HPBU-12	F12MEND	0.54
3/4	SAOR-12	FAR12MEND	0.64
3/4	SLHPBU-12	F12MEND	0.54
3/4	SLSPOR-12	F12MEND	0.54
3/4	SPOR-12	F12MEND	0.54
1	HABU-16	FAR16MEND	0.99
1	HPBU-16	F16MEND	0.73
1	SAOR-16	FAR16MEND	0.99
1	SLHPBU-16	F16MEND	0.73
1	SLSPOR-16	F16MEND	0.73
1	SPOR-16	F16MEND	0.73
1 1/4	SLSPOR-20	F20MEND	1.04
1 1/4	SPOR-20	F20MEND	1.04

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NOTE:

- WHEN USING A MENDER, 2 DIE SETS ARE REQUIRED TO MEND A HOSE.
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MALE PUSHERS

Hose ID (in)	Use With Hose Series	Male Part Number	Weight (lbs/each)
1/8	LLGR-02	DP02TH	4.08
1/8	SLGR-02	DP02TH	4.08
3/16	LLGR-03	DP02TH	4.05
3/16	SLGR-03	DP02TH	4.05
1/4	LLGR-04	DP04TH	4.05
1/4	LLRD-04	DP04TH	4.05
1/4	SLGR-04	DP04TH	4.05
1/4	SLRD-04	DP04TH	4.05
3/8	LLGR-06	DP06TH	4.05
3/8	SLGR-06	DP06TH	4.05
1/2	LAGR-08	DP08TH	3.86
1/2	LHBK-08	DP08TH	3.86
1/2	LLGR-08	DP08TH	3.86
1/2	LLRD-08	DP08TH	3.86
1/2	SHBK-08	DP08TH	3.86
1/2	SLGR-08	DP08TH	3.86
1/2	SLLHBK-08	DP08TH	3.86
1/2	SLRD-08	DP08TH	3.86
1/2	SLSHBK-08	DP08TH	3.86

Hose ID (in)	Use With Hose Series	Male Part Number	Weight (lbs/each)
5/8	SHBK-10	DP08TH	3.86
5/8	SLSHBK-10	DP08TH	3.86
5/8	SLSPOR-10	DP08TH	3.86
5/8	SPOR-10	DP08TH	3.86
3/4	HABU-12	DP12TH	3.69
3/4	HPBU-12	DP12TH	3.69
3/4	SAOR-12	DP12TH	3.69
3/4	SLHPBU-12	DP12TH	3.69
3/4	SLSPOR-12	DP12TH	3.69
3/4	SPOR-12	DP12TH	3.69
1	HABU-16	DP16TH	4.46
1	HPBU-16	DP16TH	4.46
1	SAOR-16	DP16TH	4.46
1	SLHPBU-16	DP16TH	4.46
1	SLSPOR-16	DP16TH	4.46
1	SPOR-16	DP16TH	4.46
1 1/4	SAOR-20	DP20TH	3.03
1 1/4	SLSPOR-20	DP20TH	3.03
1 1/4	SPOR-20	DP20TH	3.03

Note: These Pushers used with Swage-hydtth and Swage-handth.
Note: Piranha is doing a rolling change from Zinc Plating to Black oxide coating on its pushers.

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MALE SWIVEL PUSHERS

Hose ID (in)	Use With Hose Series	Male Part Number	Weight (lbs/each)
1/4	LLGR-04	DP04MSTH	4.03
1/4	LLRD-04	DP04MSTH	4.03
1/4	SLGR-04	DP04MSTH	4.03
1/4	SLRD-04	DP04MSTH	4.03
3/8	LLGR-06	DP06MSTH	3.97
3/8	LLRD-06	DP06MSTH	3.97
3/8	SLGR-06	DP06MSTH	3.97
3/8	SLRD-06	DP06MSTH	3.97
1/2	LHBK-08	DP08MSTH	3.85
1/2	LLGR-08	DP08MSTH	3.85
1/2	LLRD-08	DP08MSTH	3.85
1/2	SLGR-08	DP08MSTH	3.85
1/2	SLLHBK-08	DP08MSTH	3.85
1/2	SLRD-08	DP08MSTH	3.85

FEMALE PUSHERS

Hose ID (in)	Use With Hose Series	Female Part Number	Weight (lbs/each)
1/4	LLGR-04	DP04FSTH	4.04
1/4	LLRD-04	DP04FSTH	4.04
1/4	SLGR-04	DP04FSTH	4.04
1/4	SLRD-04	DP04FSTH	4.04
3/8	LLGR-06	DP06FSTH	3.96
3/8	LLRD-06	DP06FSTH	3.96
3/8	SLGR-06	DP06FSTH	3.96
3/8	SLRD-06	DP06FSTH	3.96
1/2	LAGR-08	DP08FSTH	5.08
1/2	LHBK-08	DP08FSTH	5.08
1/2	LLGR-08	DP08FSTH	5.08
1/2	SHBK-08	DP08FSTH	5.08
1/2	SLGR-08	DP08FSTH	5.08
1/2	SLLHBK-08	DP08FSTH	5.08
1/2	SLSHBK-08	DP08FSTH	5.08
3/4	HABU-12	DP12FSTH	4.78
3/4	HPBU-12	DP12FSTH	4.78
3/4	SAOR-12	DP12FSTH	4.78
3/4	SLHPBU-12	DP12FSTH	4.78
3/4	SLSPOR-12	DP12FSTH	4.78
3/4	SPOR-12	DP12FSTH	4.78
1	HABU-16	DP16FSTH	4.38
1	HPBU-16	DP16FSTH	4.38
1	SAOR-16	DP16FSTH	4.38
1	SLHPBU-16	DP16FSTH	4.38
1	SLSPOR-16	DP16FSTH	4.38
1	SPOR-16	DP16FSTH	4.38

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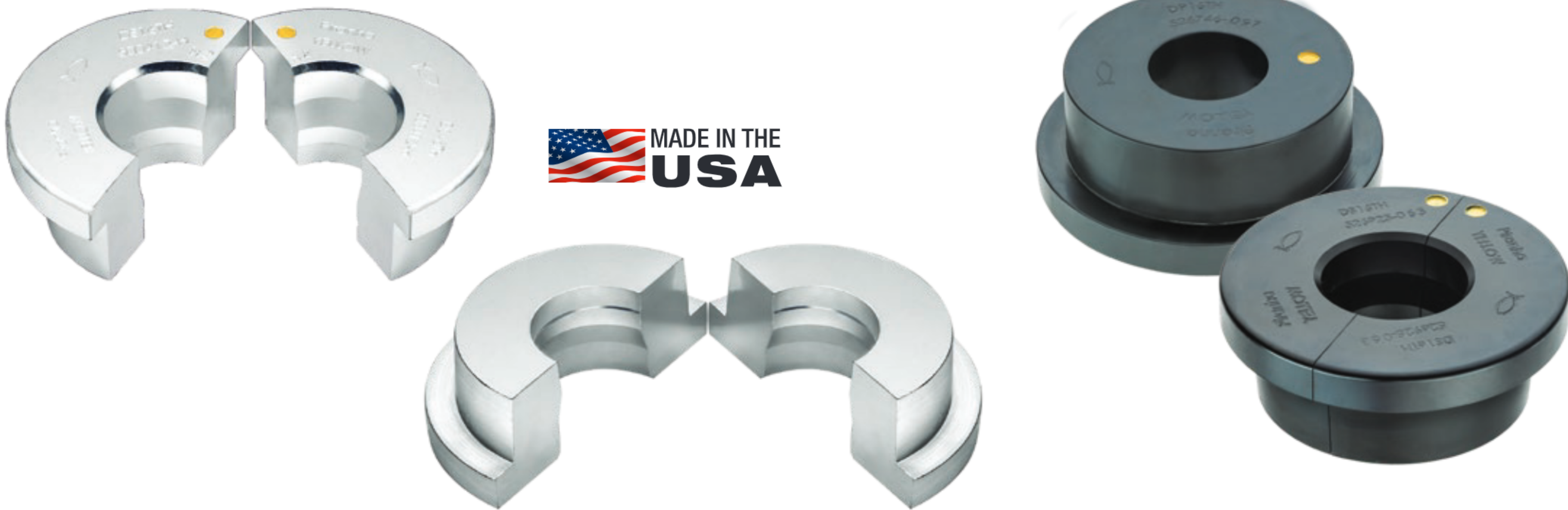


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Note: These Pushers used with Swage-hydtth and Swage-handth.

Note: Piranha is doing a rolling change from Zinc Plating to Black oxide coating on its pushers.

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DIES

Hose ID (in)	Use With Hose Series	Dies Part Number	Weight (lbs/each)
1/8	LLGR-02	DS02TH	4.07
1/8	SLGR-02	DS02TH	4.07
3/16	LLGR-03	DS03TH	4.00
3/16	SLGR-03	DS03TH	4.00
1/4	LLGR-04	DS04TH	4.00
1/4	SLGR-04	DS04TH	4.00
1/4	LLRD-04	DS04TH	4.00
1/4	SLRD-04	DS04TH	4.00
3/8	SLGR-06	DS06TH	3.94
3/8	LLGR-06	DS06TH	3.94
1/2	LAGR-08	DSAR08TH	3.73
1/2	LHBK-08	DS08TH	3.85
1/2	LLGR-08	DS08TH	3.85
1/2	LLRD-08	DS08TH	3.85
1/2	SHBK-08	DSSHPO8TH	3.81
1/2	SLGR-08	DS08TH	3.85
1/2	SLLHBK-08	DS08TH	3.85
1/2	SLRD-08	DS08TH	3.85
1/2	SLSHBK-08	DSSHPO8TH	3.81

Hose ID (in)	Use With Hose Series	Dies Part Number	Weight (lbs/each)
5/8	SHBK-10	DSAR08TH	3.73
5/8	SLSHBK-10	DSAR08TH	3.73
5/8	SLSPOR-10	DS10TH	3.72
5/8	SPOR-10	DS10TH	3.72
3/4	HABU-12	DSAR12TH	3.47
3/4	HPBU-12	DS12TH	3.57
3/4	SAOR-12	DSAR12TH	3.47
3/4	SLHPBU-12	DS12TH	3.57
3/4	SLSPOR-12	DS12TH	3.57
3/4	SPOR-12	DS12TH	3.57
1	HABU-16	DSAR16TH	3.22
1	HPBU-16	DS16TH	3.32
1	SAOR-16	DSAR16TH	3.22
1	SLHPBU-16	DS16TH	3.32
1	SLSPOR-16	DS16TH	3.32
1	SPOR-16	DS16TH	3.32
1 1/4	SAOR-20	DSAR20TH	2.78
1 1/4	SLSPOR-20	DS20TH	2.93
1 1/4	SPOR-20	DS20TH	2.93

Note: These die sets used with Swage-hydth, Swage-handth, and Swage-LLTH (1/8" thru 1/2" only).
Note: Piranha is doing a rolling change from Zinc Plating to Black oxide coating on its die sets.

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SWAGE-LLTH SWAGE MINI - HORIZONTAL SWAGE TOOL - MALE PUSHER - DIE SET

Hose ID (in)	Use With Hose Series	Male Pusher Part Number	Weight (lbs/each)	Die Set Required	Weight (lbs/each)
1/8	LLGR, SLGR -2	PHP50-02M	1.91	DS02TH	3.93
3/16	LLGR, SLGR -3	PHP50-02M or PHP50-04M		DS03TH	4.01
1/4	LLGR, SLGR-4	PHP50-04M	1.85	DS04TH	3.99
1/4	LLRD, SLRD -4	PHP50-04M	1.85	DS04TH	3.99
3/8	LLGR, SLGR-6	PHP50-06M	1.79	DS06TH	3.94
3/8	LLRD, SLRD-6	PHP50-06M	1.79	DS065TH	3.94
1/2	LAGR-8	PHP50-08M	1.64	DSAR08TH	3.71
1/2	LHBK, SLLHBK-8	PHP50-08M	1.64	DS08TH	3.84
1/2	LLGR, SLGR -8	PHP50-08M	1.64	DS08TH	3.84
1/2	LLRD, SLRD-8	PHP50-08M	1.64	DS08TH	3.84
1/2	SHBK, SLSHBK-8	PHP50-08M	1.64	DSSHP08TH	3.81



SWAGE-LLTH SWAGE MINI - HORIZONTAL SWAGE TOOL - FEMALE PUSHER - DIE SET

Hose ID (in)	Use With Hose Series	Female Pusher Part Number	Weight (lbs/each)	Die Set Required	Weight (lbs/each)
1/8	LLGR, SLGR -2	N/A		DS02TH	3.93
3/16	LLGR, SLGR -3	N/A		DS03TH	4.01
1/4	LLGR, SLGR-4	N/A		DS04TH	3.99
1/4	LLRD, SLRD -4	N/A		DS04TH	3.99
3/8	LLGR, SLGR-6	N/A		DS06TH	3.94
3/8	LLRD, SLRD-6	PHP50-06FS	1.75	DS065TH	3.94
1/2	LAGR-8	PHP50-08FS	1.57	DSAR08TH	3.71
1/2	LHBK, SLLHBK-8	PHP50-08FS	1.57	DS08TH	3.84
1/2	LLGR, SLGR -8	PHP50-08FS	1.57	DS08TH	3.84
1/2	LLRD, SLRD-8	PHP50-08FS	1.57	DS08TH	3.84
1/2	SHBK, SLSHBK-8	PHP50-08FS	1.57	DSSHP08TH	3.81



SWAGE-LLTH SWAGE MINI - HORIZONTAL SWAGE TOOL - MALE SWIVEL PUSHER - DIE SET

Hose ID (in)	Use With Hose Series	Male Swivel Pusher Part Number	Weight (lbs/each)	Die Set Required	Weight (lbs/each)
1/8	LLGR, SLGR -2	NA		DS02TH	3.93
3/16	LLGR, SLGR -3	N/A		DS03TH	4.01
1/4	LLGR, SLGR-4	PHP50-04MS	1.79	DS04TH	3.99
1/4	LLRD, SLRD -4	PHP50-04MS	1.79	DS04TH	3.99
3/8	LLGR, SLGR-6	PHP50-06MS	1.72	DS06TH	3.94
3/8	LLRD, SLRD-6	PHP50-06MS	1.72	DS065TH	3.94
1/2	LAGR-8	PHP50-08MS	1.58	DSAR08TH	3.71
1/2	LHBK, SLLHBK-8	PHP50-08MS	1.58	DS08TH	3.84
1/2	LLGR, SLGR -8	PHP50-08MS	1.58	DS08TH	3.84
1/2	LLRD, SLRD-8	PHP50-08MS	1.58	DS08TH	3.84
1/2	SHBK, SLSHBK-8	PHP50-08MS	1.58	DSSHP08TH	3.81

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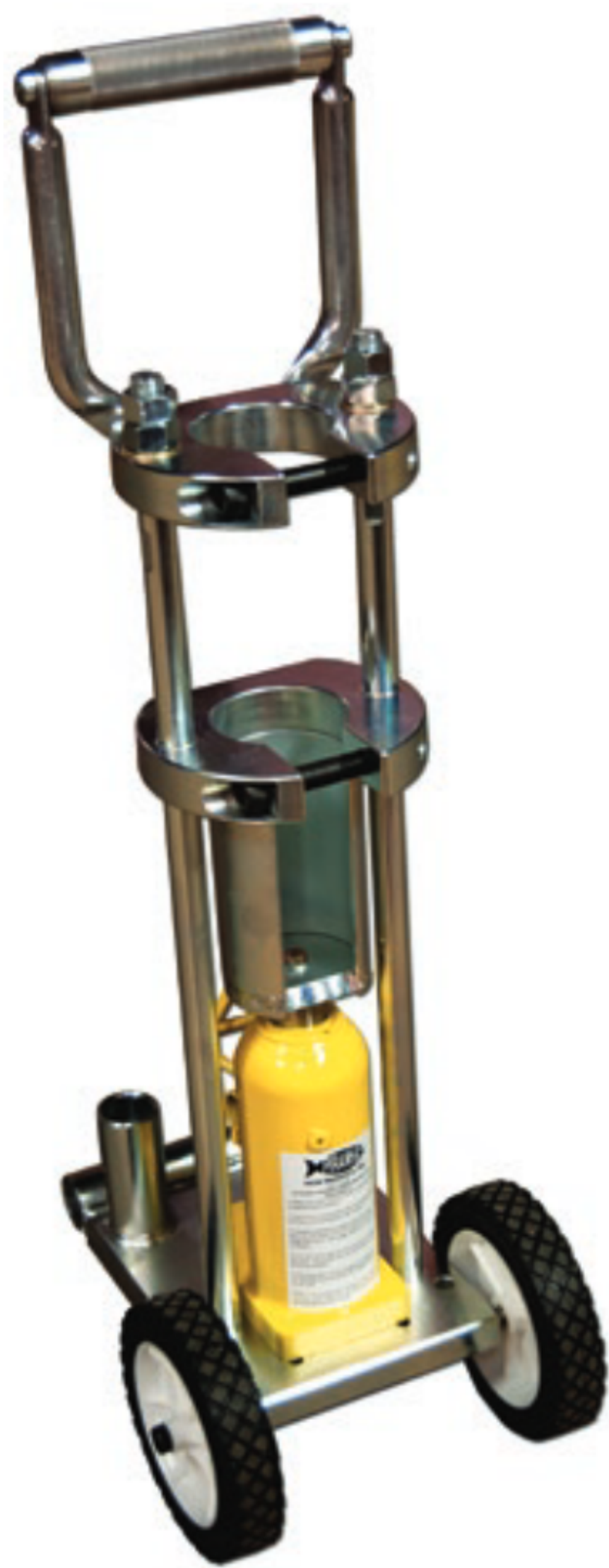
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Swage-Pushers

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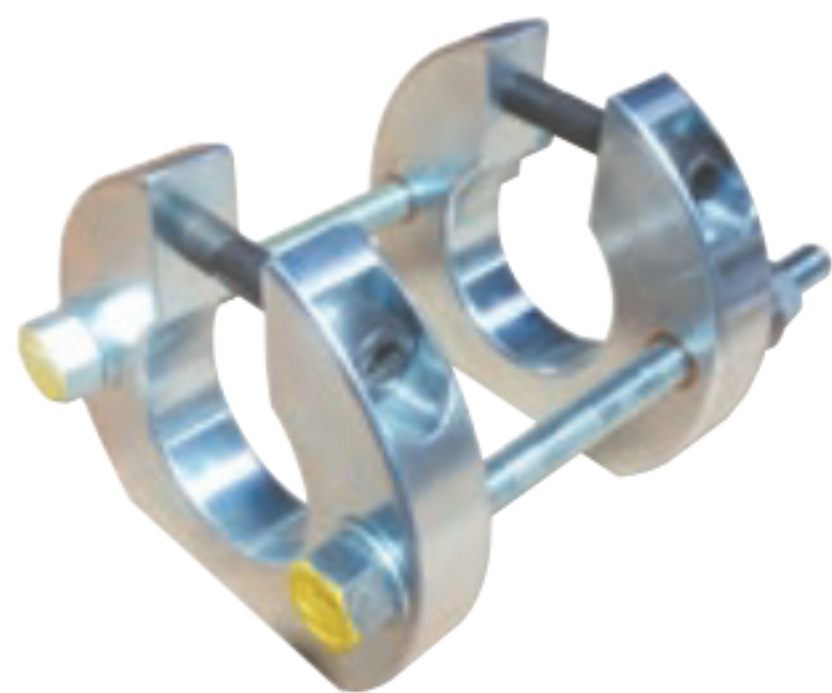


**HAND OPERATED HYDRAULIC
SWAGING MACHINE**

Part Number	Description	Weight (lbs/each)
SWAGE-HYDTH	Hydraulic Swager	89.00

MINI HYDRAULIC SWAGING MACHINE

Part Number	Description	Weight (lbs/each)
SWAGE-LLTH	Mini Hydraulic Swager	31.00



HORIZONTAL SWAGE TOOL

Part Number	Description	Weight (lbs/each)
SWAGE-HANDTH	Horizontal Swager	20.00



**SWAGE HITCH MOUNTING PLATE FOR USE WITH
ALL PIRANHA SWAGING EQUIPMENT**

Part Number	Description	Weight (lbs/each)
PHPSWAGE-MPTH	Mounting Plate	20.00

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