

**Patented Positive Mechanical Stop Slip Design**

- Limits slip travel.
- Reduces hoop stress in wellhead body.
- Slip load capacity equals thread joint capacity.
- Will not crush pipe ID below API drift.
- Non-restrictive to side outlet flow.

**Contoured Packing Design**

- For improved seal.

**Improved Top Metal Ring Design**

- Prevents packing extrusion.

**Optional 4 Lug Spider Cap**

**EUE Couplings Will Pass Through Slip Bowl**

SPECIFICATIONS	LM45	LM45S
Bottom Thread	4-1/2", 5-1/2" & 7" 8rd API*	4-1/2", 5-1/2" & 7" 8rd API*
Bottom Connection	Male Short, Fem. Long or Fem. Short (7" only)	Male Short, Fem. Long or Fem. Short (7" only)
Working Pressure	1500 PSI	1500 PSI
Test Pressure	3000 PSI	3000 PSI
Max. Body Load (2:1 SF)	80,000 lbs.	80,000 lbs.
Cap Thread	5-1/2" 8rd API mod.**	5-1/2" 8rd API mod.**
Cap Material	Ductile Iron	Ductile Iron
Inner String	1", 1-1/4", 1-1/2", 2-1/16", 2", 2-1/2"	1", 1-1/4", 1-1/2", 2-1/16", 2"
Suspension	Slip or Mandrel	Slip or Mandrel
Side Outlet	2" LP	2" 11-1/2V
Minimum Bore	4.000"***	4.000"***
Body Material	Ductile Iron	Ductile Iron
Height	10"	14"
Weight	51 lbs.	66 lbs.
Stripper Rubbers	N/A	1", 1-1/4", 1-1/2", 2-1/16", 2"****

\* Other thread styles available.

\*\* Caution: R&M Energy Systems recommends using only API modified threaded Hercules flanges. See pg. 21.

\*\*\* 5-1/2" & 7" restricted bore.

\*\*\*\* Note: Stripper rubbers are not designed to retain full rated working pressure.



A Unit of Robbins & Myers, Inc.

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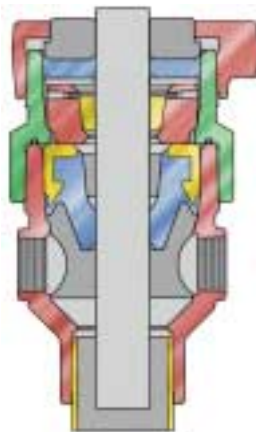
**Note:** 2" & smaller slips use same slip bowl.  
2-1/2" slips require 2-1/2" LM55 slip bowl.

SPECIFICATIONS	LM55	LM55S
Bottom Thread	4-1/2", 5-1/2" 8rd API*	4-1/2", 5-1/2" 8rd API*
Bottom Connection	Male Short or Fem. Long	Male Short or Fem. Long
Working Pressure	1500 PSI	1500 PSI
Test Pressure	3000 PSI	3000 PSI
Max. Body Load (2:1 SF)	80,000 lbs.	80,000 lbs.
Cap Thread	7-5/8" 8rd API mod.**	7-5/8" 8rd API mod.**
Cap Material	Ductile Iron	Ductile Iron
Inner String	1", 1-1/4", 1-1/2", 2-1/16", 2", 2-1/2", 3"	1-1/4", 1-1/2", 2-1/16", 2", 2-1/2"
Suspension	Slip or Mandrel	Slip or Mandrel
Side Outlet	2" LP & 3" LP	2" LP & 3" LP
Minimum Bore	4.000"/4.920"	4.000"/4.920"
Body Material	Ductile Iron	Ductile Iron
Height	11-1/2"	15-1/2"
Weight	70 lbs.	103 lbs.
Stripper Rubbers	N/A	1-1/4", 1-1/2", 2-1/16", 2", 2-1/2"***

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**EUE Couplings Will Pass Through Slip Bowls**

**Note:** 2" & smaller slips use same slip bowl. 2-1/2" slips require 2-1/2" LM70 slip bowl. 3" slips require a 3" LM70 slip bowl.

**Slim Hole Bottom Connection Available** (see pg. 15)

SPECIFICATIONS	LM70	LM70S	LM70	LM70S	LM70	LM70S
Bottom Thread	7" 8rd API*	7" 8rd API*	4-1/2", 5-1/2", 7" 8rd API*	4-1/2", 5-1/2", 7" 8rd API*	4-1/2", 5-1/2", 7" 8rd API*	4-1/2", 5-1/2", 7" 8rd API*
Bottom Connection	Male Short or Fem. Short	Male Short or Fem. Short	Male Short, Fem. Long or Fem. Slip Joint	Male Short, Fem. Long or Fem. Slip Joint	Fem. Long or Fem. Slip Joint	Fem. Long or Fem. Slip Joint
Working Pressure	1500 PSI	1500 PSI	2000 PSI	2000 PSI	3000 PSI	3000 PSI
Test Pressure	3000 PSI	3000 PSI	4000 PSI	4000 PSI	6000 PSI	6000 PSI
Max. Body Load (2:1 SF)	90,000 lbs.	90,000 lbs.	120,000 lbs.	120,000 lbs.	120,000 lbs.	120,000 lbs.
Cap Thread	8-5/8" 8rd API mod.**	8-5/8" 8rd API mod.**	8-5/8" 8rd . API mod.**	8-5/8" 8rd API mod.**	8-5/8" 8rd API mod.**	8-5/8" 8rd API mod.**
Cap Material	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron	Carbon Steel	Carbon Steel
Inner String	1", 1-1/4", 1-1/2", 2-1/16", 2", 2-1/2", 3"		1", 1-1/4", 1-1/2", 2-1/16", 2", 2-1/2", 3"		1", 1-1/4", 1-1/2", 2-1/16", 2", 2-1/2", 3"	
Suspension	Slip or Mandrel	Slip or Mandrel	Slip or Mandrel	Slip or Mandrel	Slip or Mandrel	Slip or Mandrel
Side Outlet	2" LP & 3" LP	2" LP & 3" LP	2" LP & 3" LP***	2" LP & 3" LP***	2" LP & 3" LP***	2" LP & 3" LP***
Minimum Bore	6.440"		4.000"/4.920"/6.440"		4.000"/4.920"/6.440"	
Body Material	Ductile Iron	Ductile Iron	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
Height	13"	17-1/2"	13"	17-1/2"	13"	17-1/2"
Weight	118 lbs.	180 lbs.	134 lbs.	195 lbs.	139 lbs.	200 lbs.
Stripper Rubbers	N/A	1", 1-1/4", 1-1/2", 2-1/16", 2", 2-1/2", 3"****	N/A	1", 1-1/4", 1-1/2", 2-1/16", 2", 2-1/2", 3"****	N/A	1", 1-1/4", 1-1/2", 2-1/16", 2", 2-1/2", 3"****

\* Other thread styles available.

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\*\*\* 3" LP special order only. Contact Customer Service.

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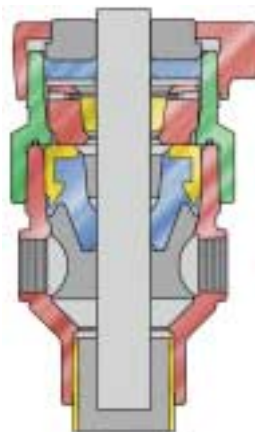
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**Improved Top Metal Ring Design**

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**EUE Couplings Will Pass Through Slip Bowls**

**Note:** 2" & smaller slips use same slip bowl. 2-1/2" slips require 2-1/2" LM70 slip bowl. 3" slips require a 3" LM70 slip bowl.



SPECIFICATIONS	LM70	LM70S	LM70	LM70S	S		
Bottom Thread	2-1/2" & 3" 8rd API	2-1/2" & 3" 8rd API	2-1/2" & 3" 8rd API	2-1/2" & 3" 8rd API	2" 8rd API	2-1/2" 8rd API	3" 8rd API
Bottom Connection	Fem.	Fem.	Fem.	Fem.	Fem.	Male or Fem.	Male
Working Pressure	2000 PSI	2000 PSI	3000 PSI	3000 PSI	2000 PSI	2000 PSI	2000 PSI
Test Pressure	4000 PSI	4000 PSI	6000 PSI	6000 PSI	4000 PSI	4000 PSI	4000 PSI
Max. Body Load (2:1 SF)	120,000 lbs.	120,000 lbs.	120,000 lbs.	120,000 lbs.	30,000 lbs.	30,000 lbs.	30,000 lbs.
Cap Thread	8-5/8" 8rd API mod.*	8-5/8" 8rd API mod.*	8-5/8" 8rd API mod.*	8-5/8" 8rd API mod.*	4-1/2" 8rd API*	4-1/2" 8rd API*	4-1/2" 8rd API*
Cap Material	Ductile Iron	Ductile Iron	Carbon Steel	Carbon Steel	Ductile Iron	Ductile Iron	Ductile Iron
Inner String	1", 1-1/4", 1-1/2", 2-1/16"				3/4", 1", 1-1/4", 1-1/2", 2-1/16"		
Suspension	Slip or Mandrel	Slip or Mandrel	Slip or Mandrel	Slip or Mandrel	Slip or Mandrel	Slip or Mandrel	Slip or Mandrel
Side Outlet	2" LP	2" LP	2" LP	2" LP	2" LP	2" LP	2" LP
Minimum Bore	2.500"/3.000"	2.500"/3.000"	2.500"/3.000"	2.500"/3.000"	2.000"	2.500"	3.000"
Body Material	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Ductile Iron	Ductile Iron	Ductile Iron
Height	13"	17-1/2"	13"	17-1/2"	10-1/2"	10-1/2"	10-1/2"
Weight	134 lbs.	195 lbs.	139 lbs.	200 lbs.	33 lbs.	33 lbs.	33 lbs.
Stripper Rubbers	N/A	1", 1-1/4", 1-1/2", 2-1/16"***	N/A	1", 1-1/4", 1-1/2", 2-1/16"***	N/A - Use LM70S		

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