

Tools and completion equipment, that have an outer diameter close to the internal diameter of casing or tubing, require special attention to ensure a clear path for running operations. Small amounts of debris can cause catastrophic damage to equipment, or worse, getting the equipment stuck in hole resulting in costly and complex fishing operations.

A wireline junk basket combined with a gauge ring performs two tasks in a quick single run. As the junk basket runs in the well, debris is collected from the bottom opening and trapped inside the tool. The gauge ring helps to scrape off any debris (such as cement or scale) on casing or tubing walls ensuring a clear, clean path is maintained. When the tool is moving back up, the basket is sealed against the rod trapping debris. The gauge ring size is always selected to be slightly larger than the outer diameter of any equipment subsequently run in hole.

This tool combination is generally run with a gamma ray or casing collar locator to verify smooth tool movement and allow for depth control.

APPLICATIONS

- Remove debris from inside casing and tubing
- Gauging the hole to ensure clear path for tools, perforating guns and completion equipment

FEATURES

- Simple design with gauge ring and junk basket combined into one tool
- Large debris “marble catcher” available
- Set screws guarantee that all components are fully secured
- Multiple size gauge rings offered and customization possible upon request

BENEFITS

- Wireline operations are more time efficient than pipe conveyed junk baskets
- Reduced rig time as only one trip required
- Reduced operating costs by utilizing multiple sized interchangeable gauge rings on the same tool
- Set screws offer added safety of no tool components being left in hole



HARDWARE SPECIFICATIONS

O.D. [†] (in)[mm]	Type	Assembly Part Number	Length (ft)[m]	Weight [‡] (lbm)[kg]	Max. Tension (lbf)[kN]	Upper Head Connection [§]
1-11/16 [43]	Junk Basket	7101-000-000	5.39 [1.64]	14.7 [6.7]	11,000 [49]	3/8"-18 NPT Pin
2-3/4 [70]	Junk Basket	7102-000-000	6.00 [1.83]	36.1 [16.4]	30,000 [133]	3/4"-14 NPT Pin
	Marble Catcher	7227-000-000	3.61 [1.10]	16.8 [7.6]	30,000 [133]	
3-1/2 [89]	Junk Basket	7003-000-000	6.00 [1.83]	43.5 [19.7]	30,000 [133]	3/4"-14 NPT Pin
	Marble Catcher	7236-000-000	3.44 [1.05]	22.4 [10.2]	30,000 [133]	
4 [102]	Junk Basket	7104-000-000	6.07 [1.85]	52.1 [23.6]	30,000 [133]	3/4"-14 NPT Pin
5 [127]	Junk Basket	7105-000-000	6.00 [1.83]	60.0 [27.2]	30,000 [133]	3/4"-14 NPT Pin
	Marble Catcher	7250-000-000	3.85 [1.17]	50.9 [23.1]	60,000 [267]	1-5/8"-6 Acme Pin

[†] Diameter of basket. Overall diameter depends on gauge ring size

[‡] Does not include gauge ring

[§] All junk baskets and marble catchers require an additional adapter to connect to other tools

ADAPTERS

	Part Number	Upper Head Adapter
1-11/16" Junk Basket	7101-000-007	1-3/16"-12 GO Box
	7103-000-005	1-3/16"-12 GO Box
2-3/4" to 5" Junk Basket	7103-000-006	3-1/8" O.D. GO Quick-Change Assembly
2-3/4" and 3-1/2" Marble Catcher	7103-000-008	3-1/8" O.D. SIE Quick-Change Assembly
	7103-000-013	3/4" Sucker Rod Pin
	7236-000-007	1-5/8"-6 Acme Pin
5" Marble Catcher	7250-000-021	3-1/8" O.D. GO Quick-Change Assembly
		Lower Head Adapter
2-3/4" and 3-1/2" Junk Basket	7003-0AD-B20	Adapter collar (fits #20 gauge ring)
	7003-0AD-B25	Adapter collar (fits #25 gauge ring)
4" Junk Basket	7104-0AD-B25	Adapter collar (fits #25 gauge ring)

JUNK BASKET GAUGE RINGS

1-11/16"

Gauge Ring (in)[mm]	Part Number
1.750 [44.5]	7101-G01-750
2.000 [50.8]	7101-G02-000
2.250 [57.2]	7101-G02-250
2.500 [63.5]	7101-G02-500
2.750 [69.9]	7101-G02-750
3.000 [76.2]	7101-G03-000



GO box adapter



SIE Quick-Change adapter



Acme pin adapter



GO Quick-Change adapter



Sucker rod adapter



Adapter collar

JUNK BASKET GAUGE RINGS

2-3/4" and 3.5"

Gauge Ring (in)[mm]	Part Number
3.000 [76.2]†	7102-G03-000
3.250 [82.6]†	7102-G03-250
3.500 [88.9]†	7102-G03-500
3.750 [95.3]	7003-G03-750
4.000 [101.6]	7003-G04-000
4.250 [108.0]	7003-G04-250
4.500 [114.3]	7003-G04-500
4.750 [120.7]	7003-G04-750
5.000 [127.0]	7003-G05-000
5.250 [133.4]	7003-G05-250
5.500 [139.7]	7003-G05-500
5.750 [146.1]	7003-G05-750
6.000 [152.4]	7003-G06-000
6.250 [158.8]	7003-G06-250
6.500 [165.1]	7003-G06-500
6.750 [171.5]	7003-G06-750
7.000 [177.8]	7003-G07-000
7.250 [184.2]	7003-G07-250
7.500 [190.5]	7003-G07-750

4"

Gauge Ring (in)[mm]	Part Number
4.000 [101.6]	7104-G04-000
4.250 [108.0]	7104-G04-250
4.500 [114.3]	7104-G04-500
4.750 [120.7]	7104-G04-750
5.000 [127.0]	7104-G05-000
5.250 [133.4]	7104-G05-250
5.500 [139.7]	7104-G05-500
5.750 [146.1]	7104-G05-750
6.000 [152.4]	7104-G06-000
6.250 [158.8]	7104-G06-250
6.500 [165.1]	7104-G06-500
6.750 [171.5]	7104-G06-750
7.000 [177.8]	7104-G07-000
7.250 [184.2]	7104-G07-250
7.500 [190.5]	7104-G07-500
7.750 [196.9]	7104-G07-750
8.000 [203.2]	7104-G08-000
8.250 [210.0]	7104-G08-250
8.500 [215.9]	7104-G08-500

5"

Gauge Ring (in)[mm]	Part Number
5.500 [139.7]	7105-G05-500
5.750 [146.1]	7105-G05-750
6.000 [152.4]	7105-G06-000
6.250 [158.8]	7105-G06-250
6.500 [165.1]	7105-G06-500
6.750 [171.5]	7105-G06-750
7.000 [177.8]	7105-G07-000
7.250 [184.2]	7105-G07-250
7.500 [190.5]	7105-G07-500
7.750 [196.9]	7105-G07-750
8.000 [203.2]	7105-G08-000
8.250 [210.0]	7105-G08-250
8.500 [215.9]	7105-G08-500
8.750 [222.3]	7105-G08-750
9.000 [228.6]	7105-G09-000
9.250 [235.0]	7105-G09-250
9.500 [241.3]	7105-G09-500
9.750 [247.7]	7105-G09-750
10.000 [254.0]	7105-G10-000
11.000 [279.4]	7105-G11-000
12.000 [304.8]	7105-G12-000
13.000 [330.2]	7105-G13-000
14.000 [355.6]	7105-G14-000

MARBLE CATCHER GAUGE RINGS

2-3/4"

Gauge Ring (in)[mm]	Part Number
3.500 [88.9]	7227-G03-500
3.750 [95.3]	7227-G03-750
4.000 [101.6]	7227-G04-000
4.250 [108.0]	7227-G04-250
4.500 [114.3]	7227-G04-500
4.750 [120.7]	7227-G04-750
5.000 [127.0]	7227-G05-000

3.5"

Gauge Ring (in)[mm]	Part Number
3.500 [88.9]	7236-G03-500
3.750 [95.3]	7236-G03-750
4.000 [101.6]	7236-G04-000
4.250 [108.0]	7236-G04-250
4.500 [114.3]	7236-G04-500
4.750 [120.7]	7236-G04-750
5.000 [127.0]	7236-G05-000
5.250 [133.4]	7236-G05-250
5.500 [139.7]	7236-G05-500
6.000 [152.4]	7236-G06-000
6.250 [158.8]	7236-G06-250
6.500 [165.1]	7236-G06-500
6.750 [171.5]	7236-G06-750
7.000 [177.8]	7236-G07-000

5"

Gauge Ring (in)[mm]	Part Number
Uses same gauge rings as 5" junk basket	



† Only available for 2-3/4"