

JR3 STANDARD SENSOR MODELS

JR3 SENSORS WITH INTERNAL ELECTRONICS

MODEL	DIAMETER	THICKNESS	AVAILABLE LOAD RATINGS
50M31	50 mm (1.97 in)	31.5 mm (1.24 in)	25 lb. (100 N) Up to 65 lb (290 N) in stainless
67M25	67 mm (2.64 in)	25 mm (0.98 in)	15 lb. (63 N) to 50 LB (200 N) Up to 135 lb (600 N) in stainless
90M31	90 mm (3.54 in)	31.5 mm (1.24 in)	15 lb. (63 N) to 50 LB (200 N) Up to 135 lb (600 N) in stainless
90M40	90 mm (3.54 in)	40 mm (1.57 in)	100 lb (400 N) Up to 250 lb (1000 N) in stainless
100M40	100 mm (3.94 in)	40 mm (1.57 in)	25 LB (100 N) to 100 lb (400 N) Up to 250 lb (1000 N) in stainless
45E15	4.50 in (114 mm)	1.50 in (38.1 mm)	50 LB (200 N) to 250 lb (1000 N) Up to 750 lb (3150 N) in stainless
160M50	160 mm (6.30 in)	50 mm (1.97 in)	75 lb (315 N) to 250 lb (1000 N) Up to 750 lb (3150 N) in stainless
75E20	7.50 in (190 mm)	2.00 in (50.8 mm)	100 lb (400 N) to 500 lb (2200 N) Up to 1350 lb (6000 N) in stainless

JR3 SENSORS WITH EXTERNAL ELECTRONICS

MODEL	DIAMETER	THICKNESS	AVAILABLE LOAD RATINGS
20E12	2.0 in (50.8 mm)	1.25 in (31.8 mm)	10 lb (45 N) to 25 lb (100 N) Up to 65 lb (290 N) in stainless
30E12	3.0 in (76.2 mm)	1.25 in (31.8 mm)	10 lb (45 N) to 50 LB (200 N) Up to 135 lb (600 N) in stainless
35E15	3.50 in (88.9 mm)	1.50 in (38.1 mm)	25 lb (100 N) to 100 lb (400 N) Up to 250 lb (1000 N) in stainless
40E12	4.0 in (102 mm)	1.25 in (31.8 mm)	10 lb (45 N) to 50 lb (200 N) Up to 135 lb (600 N) in stainless
40E15	4.0 in (102 mm)	1.50 in (38.1 mm)	75 lb (315 N) to 150 lb (630 N) Up to 400 lb (1600 N) in stainless
45E15	4.50 in (114 mm)	1.50 in (38.1 mm)	25 LB (100 N) to 100 lb (400 N) Up to 250 lb (1000 N) in stainless
65E20	6.50 in (165 mm)	2.0 in (50.8 mm)	100 lb (400 N) to 500 lb (2200 N) Up to 1350 lb (6000 N) in stainless
75E20	7.50 in (190 mm)	2.00 in (50.8 mm)	100 lb (400 N) to 500 lb (2200 N) Up to 1350 lb (6000 N) in stainless

The nominal load rating of JR3 sensors is the X or Y axis force rating. The Z axis rating is twice the X or Y axis rating. The torque rating for all axes is the X or Y axis force rating times the sensor diameter.

Standard load ratings for aluminum sensors are 15 lb (63 N), 25 lb (100 N), 50 lb (200 N), 100 lb (400 N), 150 lb (630 N), 250lb (1000 N), 400 lb (1600 N), and 500 lb (2000 N).

Sensors made from stainless steel can have load ratings up to 2.7 times the rating of the same model aluminum sensor.