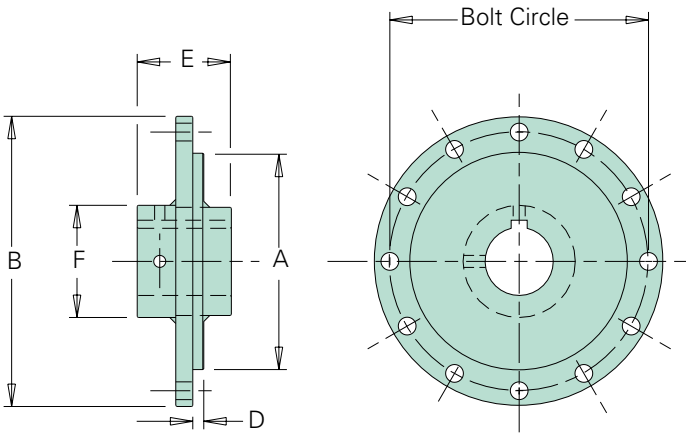


Segmental Rim Sprockets

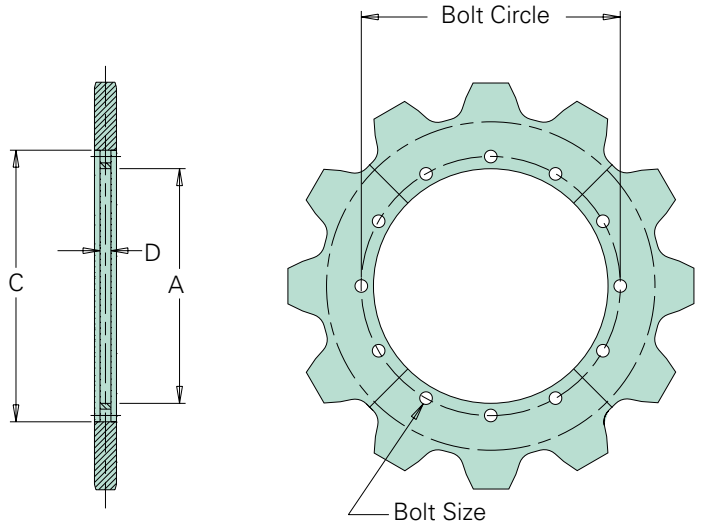
Segmental rim sprockets and traction wheels are split rings (two or more pieces) that generally fasten by bolting to a standard hub body. Segmental rims are usually applied when ease of replacement is desired because the chain, shaft, and bearings do not have to be disturbed during sprocket replacement. When downtime is critical in an operation, consider segmental rim sprockets and traction wheels.

Segmental rims are made of special steel plate material and heat treated to high hardness levels to achieve long service life. All elevator service segmental rim sprocket teeth are hardened to a 50 Rc minimum hardness level. This high hardness resists abrasive wear common in elevator operation. Consult the Union Engineering Department when material being conveyed is cement, ash, or other high MOH hardness material. Special sprocket tooth hardness is necessary to resist wear from such hard abrasants.

Hub Body



Segmental Rim



Segmental Rim Sprocket Specifications

All dimensions are in inches unless otherwise specified.

Hub Body ¹ Number	Bolt Circle Diameter	Bolt Size/Quantity	Nom.				Standard E	Standard F	Maximum Bore	Approx. Weight (lbs.)
			A	B	C	D				
10	10	.500/12	8.50	11.75	12.25	.625	6.00	7.00	4.44	78
12	12	.625/12	10.50	13.75	14.25	.750	6.25	8.00	5.44	115
16	16	.750/12	14.50	17.75	18.25	.750	6.50	9.00	5.94	175
20	20	.750/12	18.50	21.75	22.25	.875	7.75	11.00	7.00	325
25	25	1.000/12	23.00	27.75	28.25	1.000	9.00	13.00	9.00	570

¹Hub body number indicates bolt circle diameter and does not ensure interchangeability between manufacturers. Call Union for details.