

Baldor•Dodge[®] Maxum XTR Concentric Speed Reducers

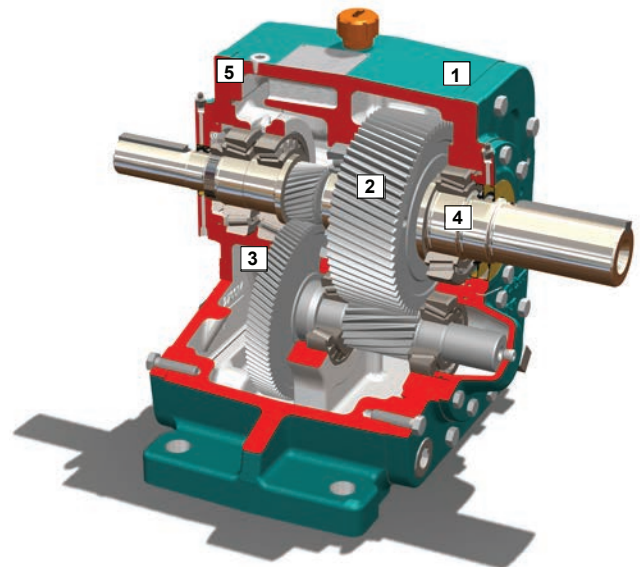
Dodge Maxum XTR reducers minimize down time, increase performance with - a power dense, compact, performance-engineered speed reducer product. No competitive speed reducer can match it in design, performance or value.

- Power dense design with increased HP and torque ratings providing greater concentric reducer value
- Meets or exceeds AGMA standards for proven reliability, including longer bearing life design than competition
- Premium seal system is standard
- Fractional to 1,100 HP
- Up to 579,000 (in-lbs) torque
- Multiple mounting configurations available
- 100% factory performance tested for longer service life

Features:

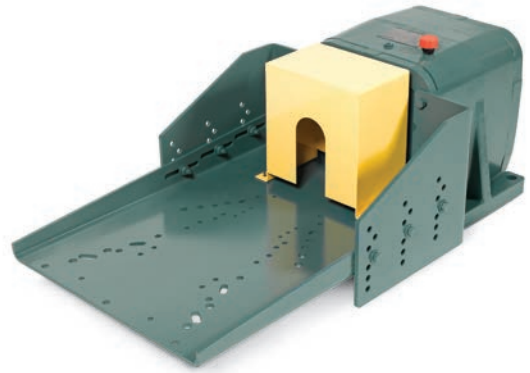
1. **Housing** – Rugged Ductile Iron, compact design with increased stiffness to provide dependable performance in less space. Condition monitoring pads are standard for mounting accelerometers.
2. **Gearing** - High precision carburized and ground gearing designed to optimize contact, reduce stress and maximize efficiency.
3. **Bearing** - Longer life tapered and/or spherical roller bearings throughout, designed to meet or exceed AGMA standards and provide a minimum unadjusted L-10 life of 5,000 hours and an average of 25,000 hours.
4. **Tandem Seals** - Premium HNBR oil seals are protected by an excluder lip auxiliary seal on all shafts. These seals provide high temperature protection, minimize shaft wear, while providing twice the security and prevent ingress of contaminants.
5. **Lubrication** - Oil level sight plug and magnetic drain plug are standard. Internal housing design enhances oil circulation and accommodates inclined mounting of reducer.

Accessories - Available with shaft driven fan, backstop, scoop motor bracket package, top motor mount, and more.



Mounting and Application Options

1. **Top Motor Mount:** Select your desired reducer output speed in less floor space with the top-mounted Baldor AC motor and Baldor•Dodge V-belt drive.
2. **Maxum XTR Scoop Package:** Available for use with 143T through 445T motor frames. The fabricated steel scoop is an economical and compact way to connect the motor and reducer.
3. **Custom Base Plates:** Designed to your application to ensure sturdy mounting base and easy alignment of AC or DC motor, coupling and reducer, providing a single source power transmission package.
4. **Slide or Custom Bases:** Conveniently positions reducer providing simplified installation and servicing of belt and chain drives.
5. **Backstop:** Provides reliable holding power and is easily maintained.
6. **Cooling Fans:** Provides an economical way of utilizing more of the reducer's mechanical rating. Fan options include mechanical shaft fans and electric fans.
7. **Heat Exchanger Kit:** Heat exchangers are available for applications with high ambient temperatures or for thermal capacities beyond the range of cooling fans.



Maxum XTR Capabilities and Options

DODGE MAXUM XTR REDUCER SIZE	RATIOS AVAILABLE	MAX TORQUE (in. lbs.) @ 1750 RPM 25:1	MAX.INPUT HP @1750 RPM 25:1	SCOOP PACKAGES FOR MOTOR FRAMES	CUSTOM DESIGNED HEAVY DUTY BASEPLATES	TOP MOTOR MOUNTS FOR MOTOR FRAMES
50	2.25-194.6	29,500	33	143T-326T	YES	143T-326T
60	2.25-194.6	50,100	56	143T-365T	YES	182T-365T
70	2.25-194.6	70,600	79	182T-365T	YES	182T-365T
80	5.06-194.6	101,000	110	213T-445T	YES	213T-445T
90	5.06-194.6	152,000	164	213T-445T	YES	213T-445T
100	5.06-194.6	214,000	227	254T-445T	YES	213T-445T
110	9.30-194.6	306,000	336	254T-445T	YES	254T-445T
120	11.39-194.6	426,000	450	254T-445T	YES	284T-445T
130	11.39-194.6	579,000	620	284T-445T	YES	284T-445T

Maxum XTR Standard Lead Times

REDUCTION AND RATIO		DRIVE SIZE								
		50	60	70	80	90	100	110	120	130
DOUBLE REDUCTION	2.25									
	2.75									
	3.37									
	4.13									
	5.06									
	6.20									
	7.59									
	9.30									
	11.39									
	13.95									
	17.09									
	20.93									
	25.63									
	31.39									
TRIPLE REDUCTION	38.44									
	47.08									
	57.67									
	70.62									
	86.50									
	105.9									
	129.7									
	158.9									
	194.6									

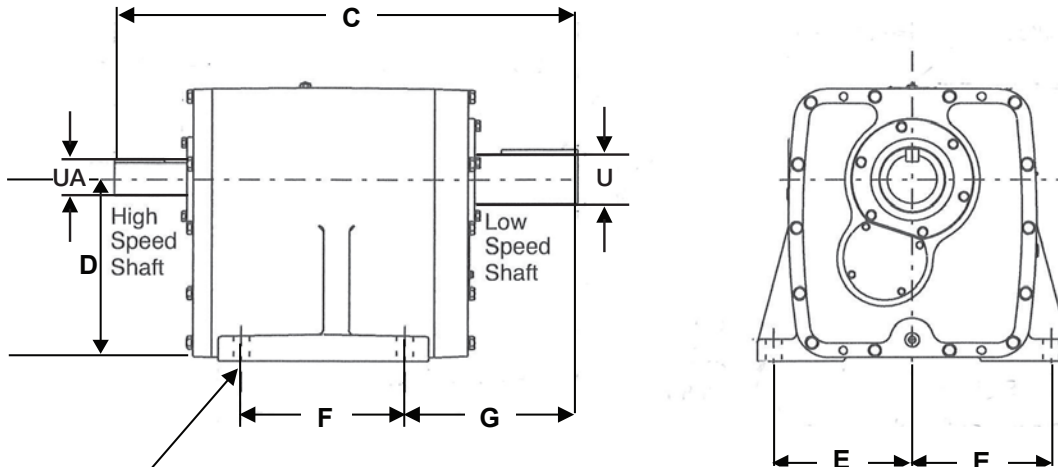
In stock
 8 week delivery
 12 week delivery

In stock, subject to replenishment times.
 These are standard lead times, if shorter times are required, please consult Dodge.

Maxum XTR Interchange Information

MAXUM XTR	MAXUM ⁽¹⁾	DODGE TM AND TXM ⁽¹⁾
50	4	400
60	5	500
70	6	600
80	7	700
90	8	800
100	9	900
110	10	1000
120	11	1100
130	12	1200

⁽¹⁾ Maxum XTR may not be dimensionally interchangeable. Verify fit and compatibility of accessories.



4-Holes for H Diameter Bolts

Dimensional Comparison of MAXUM to MAXUM XTR

Reducer Size	Stage	C (in.)	D (in.)	E (in.)	F (in.)	G (in.)	H (in.)	U (in.)	UA (in.)
CR4	Double	25.47	9.60	7.30	9.00	9.45	0.875	2.875 / 2.874	1.625 / 1.624
	Triple	25.47							1.625 / 1.624
CR50	Double	21.54	9.60	7.30	7.10	8.10	0.875	2.5000 / 2.4995	1.6250 / 1.6245
	Triple	21.54							1.2500 / 1.2495
CR5	Double	29.14	9.96	8.20	10.00	10.75	1.000	3.375 / 3.374	2.125 / 2.124
	Triple	28.05							1.625 / 1.624
CR60	Double	24.94	10.60	8.20	10.00	8.00	1.000	2.7500 / 2.7495	1.875 / 1.8745
	Triple	24.32							1.2500 / 1.2495
CR6	Double	31.44	11.66	9.30	11.30	11.91	1.125	3.75 / 3.749	2.125 / 2.124
	Triple	30.63							1.625 / 1.624
CR70	Double	28.34	11.66	9.30	11.30	9.20	1.125	3.250 / 3.249	2.1250 / 2.1245
	Triple	27.28							1.3750 / 1.3745
CR7	Double	39.06	14.80	11.22	14.70	14.09	1.250	4.000 / 3.999	2.625 / 2.624
	Triple	37.64							1.875 / 1.874
CR80	Double	31.68	12.78	10.20	13.20	10.00	1.250	3.500 / 3.499	2.2500 / 2.2495
	Triple	30.64							1.5000 / 1.4995
CR8	Double	43.25	16.00	12.56	17.19	14.97	1.375	4.500 / 4.499	2.750 / 2.749
	Triple	41.52							1.875 / 1.874
CR90	Double	35.08	15.74	11.40	14.30	11.50	1.500	4.000 / 3.999	2.5000 / 2.4995
	Triple	33.66							2.0000 / 1.9995
CR9	Double	47.39	18.13	13.44	18.19	17.49	1.500	5.250 / 5.249	3.000 / 2.999
	Triple	45.70							2.125 / 2.124
CR100	Double	38.50	17.40	12.20	14.96	13.14	1.500	4.500 / 4.499	2.7500 / 2.7485
	Triple	37.14							2.1250 / 2.1245
CR10	Double	48.2	18.38	13.10	20.25	16.67	1.500	6.000 / 5.999	3.500 / 3.499
	Triple	47.09							2.375 / 2.374
CR110	Double	42.02	19.50	13.10	17.28	13.72	1.625	5.000 / 4.999	3.000 / 2.999
	Triple	40.1							2.1250 / 2.1245
CR11	Double	49.84	20.75	14.44	20.38	17.93	1.750	6.500 / 6.499	3.750 / 3.745
	Triple	48.65							2.375 / 2.374
CR120	Double	45.38	21.90	14.44	18.80	14.58	2.000	5.500 / 5.499	3.250 / 3.249
	Triple	43.4							2.2500 / 2.2495
CR12	Double	50.41	23.38	15.20	21.00	18.17	1.750	7.000 / 6.999	3.750 / 3.749
	Triple	49.22							2.375 / 2.374
CR130	Double	48.59	24.70	15.20	19.30	16.16	2.000	6.000 / 5.999	3.500 / 3.499
	Triple	45.88							2.2500 / 2.2495



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