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Find the *Thomson Linear / Micron Xtrue 40* at our website: ***Click HERE***

XTRUE™

True Planetary Gearheads

Ready for Immediate Delivery	
Precision	13 arc-minutes
Frame Sizes	40 mm, 50 mm, 60 mm, 70 mm , 80 mm, 90 mm, 120 mm and 160 mm
Torque Capacity	up to 876 Nm
Ratio Availability	3:1 thru 100:1
Radial load capacity	up to 3730 N
Mounting System	RediMount™

1. **Sealed deep groove ball bearings**
provide high radial load carrying capability

2. **HRC 55-60 steel gears**
provide superior wear resistance
and increased backlash integrity

3. **Sealed deep groove ball bearing**
provides precision alignment of sun gear

4. **RediMount™ system**
provides error-free motor installation

5. **Anodized aluminum housing**
reduces weight and prevents corrosion



XTRUE

True Planetary Gearheads

Introduction

The XTRUE Series is a new precision gearhead that complements our True Planetary gearhead line, already the largest selection of planetary gearheads in the world.

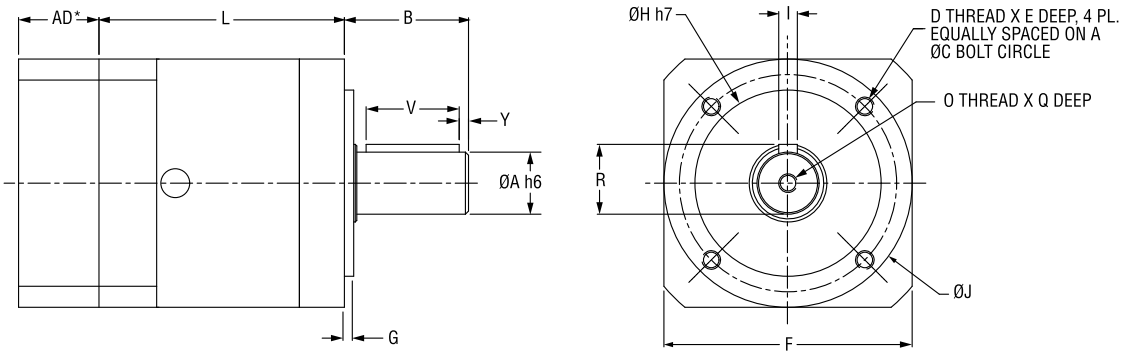
Features and Benefits

- Frame sizes (8): 40mm, 50 mm, 60mm, 70 mm, 80mm, 90 mm, 120mm and 160mm
- Precision: 13 arc-mins
- Torque capacity: up to 876 Nm
- Ratio availability: 3:1 thru 100:1
- Move a larger load more easily and quietly with True Planetary gearing through improved load capacity, lower backlash and quieter operation.
- Experience less downtime with the flexible mounting system: RediMount system mounts to any motor in three easy steps: align, mount and tighten.
- Simplify replacement with the tapped face output, which enables easy drop-in replacement.
- Go green on your machine when the assembly and all components meet EU Directive 2002/95/EC (RoHS)

XTRUE™

True Planetary Gearheads

XT



*AD = Adapter Length
Adapter Length will vary depending on motor. Consult customer service for details.

Dimensions

Part Number	A Output Shaft Diameter mm [in.]	B Output Shaft Length mm [in.]	Y Shaft End Distance mm [in.]	V Keyway Length mm [in.]	R Keyway Height mm [in.]	I Key Width mm [in.]	H Pilot Diameter mm [in.]	J Body Diameter mm [in.]	G Pilot Length mm [in.]
XT040	10 [0.39]	26 [1.02]	2.5 [0.10]	18 [0.71]	11.2 [0.44]	3 [0.12]	26 [1.02]	40 [1.57]	2 [0.08]
XT060	14 [0.55]	35 [1.37]	2.5 [0.10]	25 [0.98]	16 [0.63]	5 [0.20]	40 [1.57]	60 [2.36]	3 [0.12]
XT080	20 [0.79]	40 [1.57]	4.0 [0.16]	28 [1.10]	22.5 [0.89]	6 [0.24]	60 [2.36]	80 [3.15]	3 [0.12]
XT120	25 [0.98]	55 [2.16]	5.0 [0.20]	40 [1.57]	28 [1.10]	8 [0.31]	80 [3.15]	115 [4.53]	4 [0.16]
XT160	40 [1.57]	87 [3.42]	8.0 [0.32]	65 [2.55]	43 [1.69]	12 [0.47]	130 [5.12]	160 [6.30]	5 [0.20]

Dimensions

Part Number	D Thread	E Thread Depth mm [in.]	O Output Shaft Thread	Q Thread Depth mm [in.]	F Flange Square mm [in.]	L Length mm [in.]		C Bolt Circle mm [in.]
						3:1 - 10:1	15:1 - 100:1	
XT040	M4	6 [0.24]	M3	9 [0.35]	42 [1.65]	36.5 [1.43]	49.5 [1.94]	34 [1.34]
XT060	M5	8 [0.31]	M5	12 [0.47]	61 [2.40]	51 [2.00]	68 [2.67]	52 [2.05]
XT080	M6	10 [0.39]	M6	16 [0.63]	90 [3.54]	67 [2.64]	90 [3.54]	70 [2.76]
XT120	M10	16 [0.63]	M10	22 [0.87]	119 [4.53]	87.3 [3.44]	179 [4.67]	100 [3.94]
XT160	M12	20 [0.79]	M16	36 [1.42]	142 [5.59]	119.6 [4.71]	168.9 [6.65]	145 [5.71]

Specifications

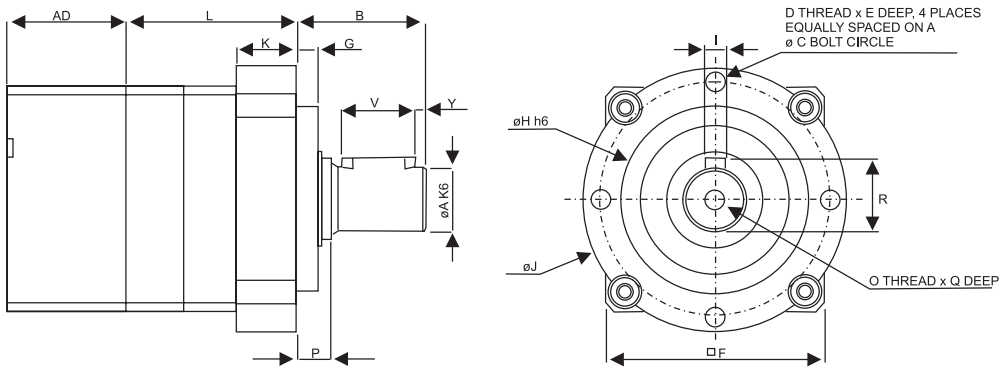
Part Number	Stages	Backlash (arc-min)	Efficiency	Weight		Ratio Availablility
				kg	[lbs.]	
XT040	1 2	13 15	93% 88%	0.45 0.5	[1.0] [1.1]	3:1, 4:1, 5:1, 7:1, 10:1 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 70:1, 100:1
XT060	1 2	13 15	93% 88%	1.0 1.2	[2.2] [2.6]	3:1, 4:1, 5:1, 7:1, 10:1 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 70:1; 100:1
XT080	1 2	13 15	93% 88%	3.0 3.7	[6.6] [8.1]	3:1, 4:1, 5:1, 7:1, 8:1; 10:1 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 70:1, 80:1, 100:1
XT120	1 2	13 15	93% 88%	5.7 7.3	[12.5] [16.1]	3:1, 4:1, 5:1, 7:1, 10:1 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 70:1, 100:1
XT160	1 2	13 15	93% 88%	12.8 17.2	[28.2] [37.8]	3:1, 4:1, 5:1, 7:1; 10:1 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 70:1, 100:1

Specifications subject to change without notice.

XTRUE

True Planetary Gearheads

XTA



*AD = Adapter Length
Adapter Length will vary depending on motor. Consult customer service for details.

Dimensions

Part Number	A Output Shaft Diameter mm [in.]	B Output Shaft Length mm [in.]	Y Shaft End Distance mm [in.]	V Keyway Length mm [in.]	R Keyway Height mm [in.]	I Key Width mm [in.]	H Pilot Diameter mm [in.]	J Output Body Diameter mm [in.]	G Pilot Length mm [in.]
XTA050	12 [0.47]	24.5 [0.97]	2 [0.079]	14 [0.55]	13.5 [0.53]	4 [0.16]	35 [1.38]	50 [1.97]	4 [0.16]
XTA070	16 [0.79]	36 [1.42]	2 [0.079]	25 [0.98]	18 [0.71]	5 [0.20]	52 [2.05]	70 [2.76]	5 [0.20]
XTA090	22 [0.87]	46 [1.81]	2 [0.079]	32 [1.26]	24.5 [0.96]	6 [0.24]	68 [2.68]	90 [3.54]	5 [0.20]
XTA120	32 [1.26]	70 [2.76]	4 [0.16]	50 [1.97]	35 [1.39]	10 [0.40]	90 [3.54]	120 [4.72]	6 [0.24]

Dimensions

Part Number	D Output Housing Thread	E Thread Depth mm [in.]	O Output Shaft Thread mm [in.]	Q Thread Depth mm [in.]	F Square Size mm [in.]	K Output Body Length mm [in.]	L Length mm [in]		C Bolt Circle mm [in.]
							3:1 - 10:1	15:1 - 100:1	
XTA050	M4x0.7-6H	8 [0.32]	M4x0.7-6H	8 [0.32]	42 [1.65]	11.7 [0.46]	33 [1.29]	46 [1.80]	44 [1.73]
XTA070	M5x0.8-6H	10 [0.40]	M5x0.8-6H	10 [0.40]	61 [2.40]	34.1 [1.34]	49 [1.93]	66.5 [2.62]	62 [2.44]
XTA090	M6x1.0-6H	12 [0.47]	M8x1.25-6H	13 [0.51]	90 [3.54]	24.5 [0.96]	65 [2.55]	87.5 [3.45]	80 [3.15]
XTA120	M8x1.25-6H	16 [0.63]	M12x1.75-6H	22 [0.87]	115 [4.53]	33.1 [1.30]	85.5 [3.36]	117 [4.60]	108 [4.25]

Specifications

Part Number	Stages	Backlash (arc-min)	Efficiency	Weight		Ratio Availablility
				kg	[lbs.]	
XTA050	1 2	13 15	93% 88%	0.45 0.5	[1.0] [1.1]	3:1, 4:1, 5:1, 7:1, 10:1 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 70:1, 100:1
XTA070	1 2	13 15	93% 88%	1.0 1.2	[2.2] [2.6]	3:1, 4:1, 5:1, 7:1, 10:1 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 70:1, 100:1
XTA090	1 2	13 15	93% 88%	3.0 3.7	[6.6] [8.1]	3:1, 4:1, 5:1, 7:1, 8:1; 10:1 15:1, 20:1, 25:1, 30:1, 40:1, 50:1; 70:1, 80:1, 100:1
XTA120	1 2	13 15	93% 88%	5.7 7.3	[12.5] [16.1]	3:1, 4:1, 5:1, 7:1; 10:1 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 70:1, 100:1

Specifications subject to change without notice.

XTRUE™

True Planetary Gearheads

Performance Specifications

	Part Number	Ratio	20000 Hour Life				Tpeak	J	Torsional Stiffness
			T_r (1000 rpm) Nm [in.-lb.]	T_r (2000 rpm) Nm [in.-lb.]	T_r (3000 rpm) Nm [in.-lb.]	T_r (4000 rpm) Nm [in.-lb.]	Nm [in.-lb.]	kg-cm² [in.-lb.-sec²*10⁻⁴]	Nm/arc-min [in.-lb./arc-min]
XT040	XT040-003	3:1	5.2 [46]	4.2 [37]	3.7 [33]	3.4 [30]	15.6 [138]	0.078 [0.690]	0.7 [6.2]
	XT040-004	4:1	5.54 [49]	4.41 [39]	3.95 [35]	3.62 [32]	16.5 [146]	0.057 [0.51]	0.7 [6.2]
	XT040-005	5:1	6.1 [54]	5.3 [47]	3.6 [32]	4.3 [38]	18.3 [162]	0.048 [0.425]	0.7 [6.2]
	XT040-007	7:1	6.1 [54]	4.97 [44]	4.41 [39]	4.07 [36]	18.3 [162]	0.042 [0.37]	0.7 [6.2]
	XT040-010	10:1	5.8 [51]	4.6 [41]	4.1 [36]	3.7 [33]	17.2 [152]	0.038 [0.336]	0.7 [6.2]
	XT040-015	15:1	8.4 [74]	6.8 [60]	6.0 [53]	5.5 [49]	25.2 [223]	0.045 [0.398]	0.7 [6.2]
	XT040-020	20:1	8.93 [79]	7.23 [64]	6.44 [57]	5.88 [52]	26.66 [236]	0.045 [0.398]	0.7 [6.2]
	XT040-025	25:1	9.3 [82]	7.6 [67]	6.7 [59]	6.1 [54]	27.8 [246]	0.045 [0.398]	0.7 [6.2]
	XT040-030	30:1	9.5 [84]	8.4 [74]	7.5 [66]	6.8 [60]	28.6 [253]	0.037 [0.328]	0.7 [6.2]
	XT040-040	40:1	10.96 [97]	8.93 [79]	7.91 [70]	7.23 [64]	32.88 [291]	0.037 [0.328]	0.7 [6.2]
	XT040-050	50:1	11.3 [100]	9.3 [82]	8.2 [73]	7.6 [67]	33.8 [299]	0.037 [0.328]	0.7 [6.2]
	XT040-070	70:1	10.51 [93]	9.94 [88]	8.81 [78]	8.02 [71]	31.52 [279]	0.037 [0.328]	0.7 [6.2]
	XT040-100	100:1	8.1 [72]	7.5 [66]	7.1 [63]	6.9 [61]	24.4 [216]	0.040 [0.354]	0.7 [6.2]
XTA050	XTA050-003	3:1	5.2 [46]	4.2 [37]	3.7 [33]	3.4 [30]	15.6 [138]	0.077 [0.682]	0.7 [6.2]
	XTA050-004	4:1	5.54 [49]	4.41 [39]	3.95 [35]	3.62 [32]	16.5 [146]	0.057 [0.50]	0.7 [6.2]
	XTA050-005	5:1	6.1 [54]	5.3 [47]	3.6 [32]	4.3 [38]	18.3 [162]	0.048 [0.425]	0.7 [6.2]
	XTA050-007	7:1	6.1 [54]	4.97 [44]	4.41 [39]	4.07 [36]	18.3 [162]	0.042 [0.37]	0.7 [6.2]
	XTA050-010	10:1	5.8 [51]	4.6 [41]	4.1 [36]	3.7 [33]	17.2 [152]	0.038 [0.336]	0.7 [6.2]
	XTA050-015	15:1	8.4 [74]	6.8 [60]	6.0 [53]	5.5 [49]	25.2 [223]	0.045 [0.398]	0.7 [6.2]
	XTA050-020	20:1	8.93 [79]	7.23 [64]	6.44 [57]	5.88 [52]	26.66 [236]	0.045 [0.398]	0.7 [6.2]
	XTA050-025	25:1	9.3 [82]	7.6 [67]	6.7 [59]	6.1 [54]	27.8 [246]	0.045 [0.398]	0.7 [6.2]
	XTA050-030	30:1	9.5 [84]	8.4 [74]	7.5 [66]	6.8 [60]	28.6 [253]	0.037 [0.328]	0.7 [6.2]
	XTA050-040	40:1	10.96 [97]	8.93 [79]	7.91 [70]	7.23 [64]	32.88 [291]	0.037 [0.328]	0.7 [6.2]
	XTA050-050	50:1	11.3 [100]	9.3 [82]	8.2 [73]	7.6 [67]	33.8 [299]	0.037 [0.328]	0.7 [6.2]
	XTA050-070	70:1	10.51 [93]	9.94 [88]	8.81 [78]	8.02 [71]	31.52 [279]	0.037 [0.328]	0.7 [6.2]
	XTA050-100	100:1	8.1 [72]	7.5 [66]	7.1 [63]	6.9 [61]	24.4 [216]	0.040 [0.354]	0.7 [6.2]
XT060	XT060-003	3:1	16 [139]	13 [112]	12 [102]	11 [93]	55 [483]	0.52 [4.6]	1.8 [15.9]
	XT060-004	4:1	20 [177]	17 [149]	15 [130]	14 [121]	46 [409]	0.46 [4.1]	1.8 [15.9]
	XT060-005	5:1	18 [158]	15 [130]	13 [112]	12 [102]	48 [427]	0.46 [4.1]	1.8 [15.9]
	XT060-007	7:1	17 [149]	14 [121]	12 [102]	11 [93]	43 [381]	0.46 [4.1]	1.8 [15.9]
	XT060-010	10:1	16 [139]	15 [130]	14 [121]	13 [112]	47 [418]	0.44 [3.9]	1.8 [15.9]
	XT060-015	15:1	26 [232]	21 [186]	19 [167]	17 [149]	55 [483]	0.46 [4.1]	1.8 [15.9]
	XT060-020	20:1	27 [242]	25 [223]	22 [195]	21 [186]	48 [427]	0.46 [4.1]	1.8 [15.9]
	XT060-025	25:1	25 [223]	23 [204]	20 [177]	19 [167]	55 [483]	0.46 [4.1]	1.8 [15.9]
	XT060-030	30:1	29 [260]	26 [232]	23 [204]	21 [186]	55 [483]	0.46 [4.1]	1.8 [15.9]
	XT060-040	40:1	28 [251]	27 [242]	27 [242]	25 [223]	48 [427]	0.44 [3.9]	1.8 [15.9]
	XT060-050	50:1	26 [232]	25 [223]	25 [223]	23 [204]	55 [483]	0.44 [3.9]	1.8 [15.9]
	XT060-070	70:1	25 [223]	24 [214]	24 [214]	22 [195]	48 [427]	0.44 [3.9]	1.8 [15.9]
	XT060-100	100:1	21 [186]	20 [177]	19 [167]	18 [158]	43 [381]	0.44 [3.9]	1.8 [15.9]

T_r = Rated output torque at rated speed for specific hours of life.
T_{peak} = Allowable momentary peak torque for emergency stop or heavy shock loading.
J = Mass moment of inertia reflected to the input shaft (including pinion assembly).
Specifications subject to change without notice.

XTRUE

True Planetary Gearheads

Performance Specifications

	Part Number	Ratio	20000 Hour Life				Tpeak	J	Torsional Stiffness
			T_r (1000 rpm) Nm [in.-lb.]	T_r (2000 rpm) Nm [in.-lb.]	T_r (3000 rpm) Nm [in.-lb.]	T_r (4000 rpm) Nm [in.-lb.]	Nm [in.-lb.]	kg-cm² [in.-lb.-sec²*10⁻⁴]	Nm/arc-min [in.-lb./arc-min]
XTA070	XTA070-003	3:1	16 [139]	13 [112]	12 [102]	11 [93]	55 [483]	0.458 [4.054]	1.8 [15.9]
	XTA070-004	4:1	20 [177]	17 [149]	15 [130]	14 [121]	46 [409]	0.360 [3.168]	1.8 [15.9]
	XTA070-005	5:1	18 [158]	15 [130]	13 [112]	12 [102]	48 [427]	0.322 [2.850]	1.8 [15.9]
	XTA070-007	7:1	17 [149]	14 [121]	12 [102]	11 [93]	43 [381]	0.282 [2.496]	1.8 [15.9]
	XTA070-010	10:1	16 [139]	15 [130]	14 [121]	13 [112]	47 [418]	0.262 [2.319]	1.8 [15.9]
	XTA070-015	15:1	26 [232]	21 [186]	19 [167]	17 [149]	55 [483]	0.305 [2.699]	1.8 [15.9]
	XTA070-020	20:1	27 [242]	25 [223]	22 [195]	21 [186]	48 [427]	0.304 [2.691]	1.8 [15.9]
	XTA070-025	25:1	25 [223]	23 [204]	20 [177]	19 [167]	55 [483]	0.303 [2.682]	1.8 [15.9]
	XTA070-030	30:1	29 [260]	26 [232]	23 [204]	21 [186]	55 [483]	0.258 [2.283]	1.8 [15.9]
	XTA070-040	40:1	28 [251]	27 [242]	27 [242]	25 [223]	48 [427]	0.257 [2.275]	1.8 [15.9]
	XTA070-050	50:1	26 [232]	25 [223]	25 [223]	23 [204]	55 [483]	0.257 [2.275]	1.8 [15.9]
	XTA070-070	70:1	25 [223]	24 [214]	24 [214]	22 [195]	48 [427]	0.257 [2.275]	1.8 [15.9]
	XTA070-100	100:1	21 [186]	20 [177]	19 [167]	18 [158]	43 [381]	0.257 [2.275]	1.8 [15.9]
XT080	XT080-003	3:1	59 [520]	48 [427]	43 [381]	39 [344]	165 [1459]	2.2 [19.5]	5.4 [47.8]
	XT080-004	4:1	70 [623]	58 [511]	53 [465]	48 [427]	165 [1459]	1.8 [15.9]	5.4 [47.8]
	XT080-005	5:1	65 [576]	53 [465]	47 [418]	43 [381]	165 [1459]	1.8 [15.9]	5.4 [47.8]
	XT080-007	7:1	63 [558]	50 [446]	45 [400]	40 [353]	165 [1459]	1.7 [15.0]	5.4 [47.8]
	XT080-008	8:1	62 [549]	49 [434]	45 [398]	42 [372]	165 [1460]	1.6 [14.2]	5.4 [47.8]
	XT080-010	10:1	54 [474]	48 [427]	45 [400]	43 [381]	165 [1459]	1.8 [15.9]	5.4 [47.8]
	XT080-015	15:1	90 [799]	78 [688]	69 [613]	63 [558]	175 [1552]	1.8 [15.9]	5.4 [47.8]
	XT080-020	20:1	92 [818]	88 [781]	81 [716]	75 [660]	175 [1552]	1.5 [13.3]	5.4 [47.8]
	XT080-025	25:1	87 [771]	83 [734]	76 [669]	69 [613]	175 [1552]	1.7 [15.0]	5.4 [47.8]
	XT080-030	30:1	100 [883]	90 [799]	85 [753]	78 [688]	175 [1552]	1.7 [15.0]	5.4 [47.8]
	XT080-040	40:1	96 [846]	92 [818]	90 [799]	88 [781]	175 [1552]	1.6 [14.2]	5.4 [47.8]
	XT080-050	50:1	90 [799]	87 [771]	85 [753]	83 [734]	175 [1552]	1.6 [14.2]	5.4 [47.8]
	XT080-070	70:1	88 [781]	85 [753]	83 [734]	82 [725]	175 [1552]	1.6 [14.2]	5.4 [47.8]
	XT080-080	80:1	84 [743]	80 [708]	78 [690]	74 [655]	175 [1549]	1.6 [14.2]	5.4 [47.8]
	XT080-100	100:1	72 [641]	67 [595]	63 [558]	61 [539]	175 [1552]	1.6 [14.2]	5.4 [47.8]
XTA090	XTA090-003	3:1	59 [520]	48 [427]	43 [381]	39 [344]	165 [1459]	2.065 [18.277]	5.4 [47.8]
	XTA090-004	4:1	70 [623]	58 [511]	53 [465]	48 [427]	165 [1459]	1.621 [14.347]	5.4 [47.8]
	XTA090-005	5:1	65 [576]	53 [465]	47 [418]	43 [381]	165 [1459]	1.400 [12.391]	5.4 [47.8]
	XTA090-007	7:1	63 [558]	50 [446]	45 [400]	40 [353]	165 [1459]	1.193 [10.559]	5.4 [47.8]
	XTA090-008	8:1	62 [549]	49 [434]	45 [398]	42 [372]	165 [1460]	1.156 [10.231]	5.4 [47.8]
	XTA090-010	10:1	54 [474]	48 [427]	45 [400]	43 [381]	165 [1459]	1.118 [9.895]	5.4 [47.8]
	XTA090-015	15:1	90 [799]	78 [688]	69 [613]	63 [558]	175 [1552]	1.329 [11.763]	5.4 [47.8]
	XTA090-020	20:1	92 [818]	88 [781]	81 [716]	75 [660]	175 [1552]	1.319 [11.674]	5.4 [47.8]
	XTA090-025	25:1	87 [771]	83 [734]	76 [669]	69 [613]	175 [1552]	1.319 [11.674]	5.4 [47.8]
	XTA090-030	30:1	100 [883]	90 [799]	85 [753]	78 [688]	175 [1552]	1.100 [9.736]	5.4 [47.8]
	XTA090-040	40:1	96 [846]	92 [818]	90 [799]	88 [781]	175 [1552]	1.235 [10.931]	5.4 [47.8]
	XTA090-050	50:1	90 [799]	87 [771]	85 [753]	83 [734]	175 [1552]	1.097 [9.709]	5.4 [47.8]
	XTA090-070	70:1	88 [781]	85 [753]	83 [734]	82 [725]	175 [1552]	1.096 [9.700]	5.4 [47.8]
	XTA090-080	80:1	84 [743]	80 [708]	78 [690]	74 [655]	175 [1549]	1.096 [9.700]	5.4 [47.8]
	XTA090-100	100:1	72 [641]	67 [595]	63 [558]	61 [539]	175 [1552]	1.095 [9.692]	5.4 [47.8]

T_r = Rated output torque at rated speed for specific hours of life.
T_{peak} = Allowable momentary peak torque for emergency stop or heavy shock loading.
J = Mass moment of inertia reflected to the input shaft (including pinion assembly).
Specifications subject to change without notice.

XTRUE™

True Planetary Gearheads

Performance Specifications

	Part Number	Ratio	20000 Hour Life				Tpeak	J	Torsional Stiffness
			T_r (1000 rpm) Nm [in.-lb.]	T_r (2000 rpm) Nm [in.-lb.]	T_r (3000 rpm) Nm [in.-lb.]	T_r (4000 rpm) Nm [in.-lb.]	Nm [in.-lb.]	kg-cm² [in.-lb.-sec²*10⁻⁴]	Nm/arc-min [in.-lb./arc-min]
XT120 / XTA120	XT(A)120-003	3:1	90 [799]	74 [650]	65 [576]	59 [520]	298 [2639]	7.695 [68.107]	17.4 [154.0]
	XT(A)120-004	4:1	107 [948]	89 [790]	79 [697]	74 [650]	298 [2639]	5.949 [52.653]	17.4 [154.0]
	XT(A)120-005	5:1	99 [873]	81 [716]	71 [632]	65 [576]	298 [2639]	5.149 [45.573]	17.4 [154.0]
	XT(A)120-007	7:1	97 [855]	79 [697]	68 [604]	63 [558]	298 [2639]	4.413 [39.058]	17.4 [154.0]
	XT(A)120-010	10:1	87 [771]	79 [697]	74 [650]	69 [613]	298 [2639]	4.048 [35.828]	17.4 [154.0]
	XT(A)120-015	15:1	146 [1292]	119 [1050]	105 [929]	96 [846]	298 [2639]	4.748 [42.023]	17.4 [154.0]
	XT(A)120-020	20:1	169 [1496]	139 [1227]	124 [1097]	114 [1013]	298 [2639]	4.709 [41.678]	17.4 [154.0]
	XT(A)120-025	25:1	161 [1422]	130 [1152]	116 [1022]	106 [939]	298 [2639]	4.690 [41.510]	17.4 [154.0]
	XT(A)120-030	30:1	180 [1589]	146 [1292]	129 [1143]	119 [1050]	298 [2639]	3.949 [34.952]	17.4 [154.0]
	XT(A)120-040	40:1	187 [1654]	169 [1496]	150 [1329]	139 [1227]	298 [2639]	3.938 [34.854]	17.4 [154.0]
	XT(A)120-050	50:1	179 [1580]	161 [1422]	142 [1254]	130 [1152]	298 [2639]	3.933 [34.810]	17.4 [154.0]
	XT(A)120-070	70:1	176 [1561]	159 [1403]	140 [1236]	128 [1134]	298 [2639]	3.929 [34.775]	17.4 [154.0]
	XT(A)120-100	100:1	120 [1059]	109 [966]	104 [920]	100 [883]	298 [2639]	3.927 [34.757]	17.4 [154.0]
XT160	XT160-003	3:1	317 [2806]	257 [2277]	228 [2016]	209 [1849]	876 [7750]	23 [204]	50.5 [446.9]
	XT160-004	4:1	371 [3280]	305 [2695]	272 [2407]	251 [2221]	876 [7750]	15 [133]	50.5 [446.9]
	XT160-005	5:1	350 [3094]	284 [2509]	251 [2221]	230 [2035]	876 [7750]	14 [124]	50.5 [446.9]
	XT160-007	7:1	344 [3048]	278 [2463]	246 [2174]	225 [1989]	876 [7750]	15 [133]	50.5 [446.9]
	XT160-010	10:1	222 [1961]	198 [1756]	185 [1635]	175 [1552]	876 [7750]	12 [106]	50.5 [446.9]
	XT160-015	15:1	508 [4498]	417 [3689]	370 [3271]	339 [3001]	876 [7750]	15 [133]	50.5 [446.9]
	XT160-020	20:1	513 [4544]	481 [4256]	428 [3791]	395 [3494]	876 [7750]	15 [133]	50.5 [446.9]
	XT160-025	25:1	492 [4358]	460 [4070]	407 [3605]	374 [3308]	876 [7750]	15 [133]	50.5 [446.9]
	XT160-030	30:1	562 [4971]	508 [4498]	455 [4024]	417 [3689]	876 [7750]	12 [106]	50.5 [446.9]
	XT160-040	40:1	536 [4739]	513 [4544]	500 [4423]	481 [4256]	876 [7750]	13 [115]	50.5 [446.9]
	XT160-050	50:1	515 [4553]	492 [4358]	479 [4237]	460 [4070]	876 [7750]	12 [106]	50.5 [446.9]
	XT160-070	70:1	509 [4507]	487 [4312]	474 [4191]	455 [4024]	876 [7750]	12 [106]	50.5 [446.9]
	XT160-100	100:1	306 [2704]	279 [2472]	265 [2342]	254 [2249]	876 [7750]	12 [106]	50.5 [446.9]

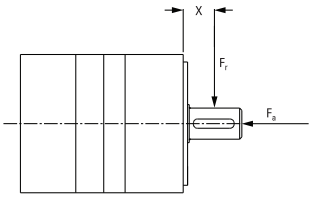
T_r = Rated output torque at rated speed for specific hours of life.
T_{peak} = Allowable momentary peak torque for emergency stop or heavy shock loading.
J = Mass moment of inertia reflected to the input shaft (including pinion assembly).
Specifications subject to change without notice.

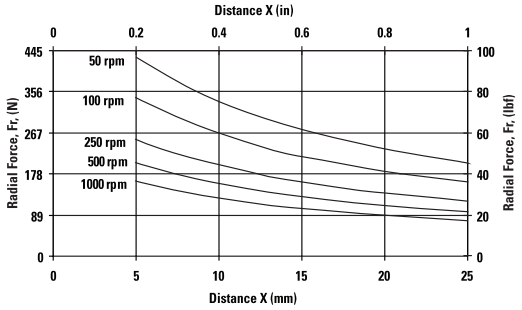
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Radial and Axial Load Ratings

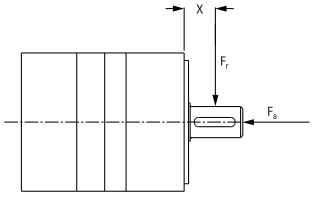
XT040 / XTA050

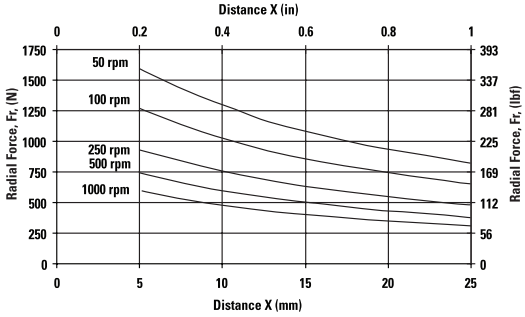




Speed rpm	Axial Load, F_a N [lb_f]
50	737 [166]
100	585 [132]
250	431 [97]
500	342 [77]
1000	272 [61]

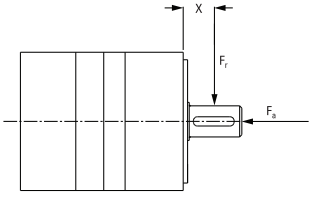
XT060 / XTA070

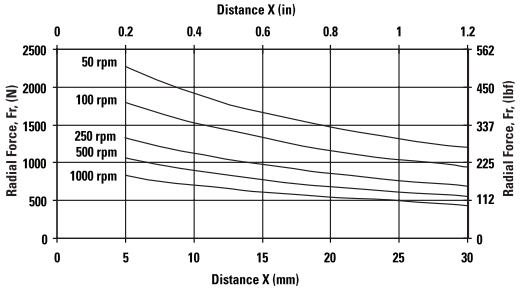




Speed rpm	Axial Load, F_a N [lb_f]
50	2542 [571]
100	2017 [454]
250	1486 [334]
500	1180 [265]
1000	936 [211]

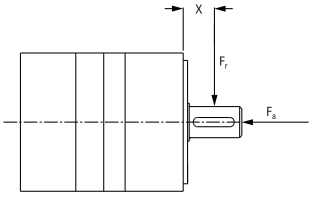
XT080 / XTA090

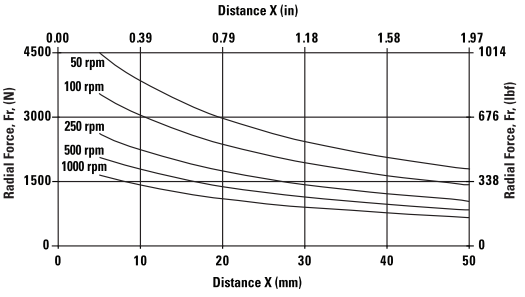




Speed rpm	Axial Load, F_a N [lb_f]
50	3780 [850]
100	3000 [675]
250	2211 [497]
500	1755 [394]
1000	1393 [313]

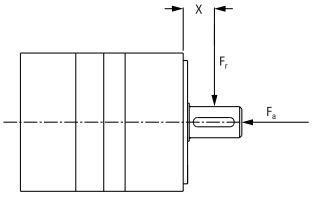
XT120 / XTA120

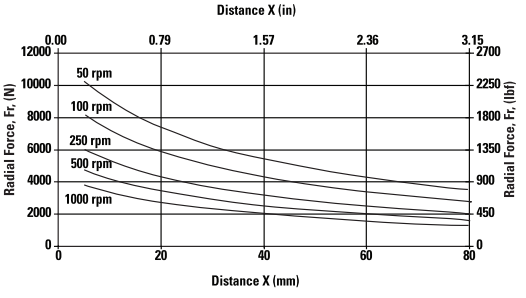




Speed rpm	Axial Load, F_a N [lb_f]
50	6894 [1550]
100	5471 [1230]
250	4034 [907]
500	3203 [720]
1000	2540 [571]

XT160





Speed rpm	Axial Load, F_a N [lb_f]
50	14,122 [3175]
100	11,209 [2520]
250	8260 [1857]
500	6556 [1474]
1000	5204 [1170]

These graphs display the allowable radial load at a given distance (X) from the mounting surface based on an L_{10} life of 20,000 hours for the mean output speed.

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