

Micron TRUE Planetary® Gearheads

ValueTRUE™

True Planetary Gearheads

Ready for Immediate Delivery	
Precision	4 arc-minutes
Frame Sizes	60 mm, 75 mm, 90 mm, 100 mm, 115 mm, 140 mm, 180 mm and 220 mm
Torque Capacity	up to 2970 Nm
Ratio Availability	4:1 thru 100:1
Mounting System	RediMount™
Both in-line and right angles available	

- ValueTRUE is a new high-performance, price-competitive line of Micron True Planetary Gearheads
- Low cost— 30% less than typical market pricing
- Helical Crowned True Planetary gearing improved load capacity, lower backlash and smoother and quieter operation compared to non-helical gearheads
- Ultra Precision – 4 arc-mins of backlash
- Drop-in, low-cost replacement for most common helical gearheads
- Stainless steel output housing provides rock-solid durability, suitable for environmentally sensitive applications



**Micron True Planetary® Gearheads
shipped within 24 hours!**



**Need it fast? Go to the back cover
of the catalog for details.**

Helical True Planetary Gearheads

Part Number	Stages	Backlash (arc-min)	Efficiency	Weight kg [lbs.]	Ratio Availability
VT006	1	4	95%	2 [4.4]	4:1, 5:1, 7:1, 10:1
	2	5	90%	2.5 [5.5]	16:1, 20:1, 25:1, 28:1, 35:1, 40:1, 50:1, 70:1, 100:1
VT075	1	4	95%	2.5 [5.5]	4:1, 5:1, 7:1, 10:1
	2	5	90%	3.0 [6.6]	16:1, 20:1, 25:1, 28:1, 35:1, 40:1, 50:1, 70:1, 100:1
VT090	1	4	95%	2.5 [5.5]	4:1, 5:1, 7:1, 10:1
	2	5	90%	3.0 [6.6]	16:1, 20:1, 25:1, 28:1, 35:1, 40:1, 50:1, 70:1, 100:1
VT010	1	4	95%	6 [13]	4:1, 5:1, 7:1, 10:1
	2	5	90%	8 [18]	16:1, 20:1, 25:1, 28:1, 35:1, 40:1, 50:1, 70:1, 100:1
VT115	1	4	95%	6 [13]	4:1, 5:1, 7:1, 10:1
	2	5	90%	8 [18]	16:1, 20:1, 25:1, 28:1, 35:1, 40:1, 50:1, 70:1, 100:1
VT014	1	4	95%	14 [31]	4:1, 5:1, 7:1, 10:1
	2	5	90%	18 [40]	16:1, 20:1, 25:1, 28:1, 35:1, 40:1, 50:1, 70:1, 100:1
VT018	1	4	95%	40 [88]	4:1, 5:1, 7:1, 10:1
	2	5	90%	45 [99]	16:1, 20:1, 25:1, 28:1, 35:1, 40:1, 50:1, 70:1, 100:1
VT022	1	4	95%	74 [162]	4:1, 5:1, 7:1, 10:1
	2	5	90%	95 [209]	16:1, 20:1, 25:1, 28:1, 35:1, 40:1, 50:1, 70:1, 100:1
VTR006	1	5	93%	3 [6.6]	8:1, 10:1, 12:1, 14:1, 15:1, 16:1, 20:1, 25:1, 28:1, 30:1, 35:1, 40:1, 50:1
VTR075	1	5	93%	5.3 [11.1]	8:1, 10:1, 12:1, 14:1, 15:1, 16:1, 20:1, 25:1, 28:1, 30:1, 35:1, 40:1, 50:1
VTR090	1	5	93%	5.3 [11.1]	8:1, 10:1, 12:1, 14:1, 15:1, 16:1, 20:1, 25:1, 28:1, 30:1, 35:1, 40:1, 50:1
VTR010	1	5	93%	12 [26.2]	4:1, 5:1, 8:1, 10:1, 12:1, 14:1, 15:1, 16:1, 20:1, 25:1, 28:1, 30:1, 35:1, 40:1, 50:1
VTR115	1	5	93%	12 [26.2]	4:1, 5:1, 8:1, 10:1, 12:1, 14:1, 15:1, 16:1, 20:1, 25:1, 28:1, 30:1, 35:1, 40:1, 50:1
VTR014	1	5	93%	29 [64]	4:1, 5:1, 8:1, 10:1, 12:1, 14:1, 15:1, 16:1, 20:1, 25:1, 28:1, 30:1, 35:1, 40:1, 50:1
VTR018	1	5	93%	48 [106]	4:1, 5:1, 8:1, 10:1, 12:1, 14:1, 15:1, 16:1, 20:1, 25:1, 28:1, 30:1, 35:1, 40:1, 50:1

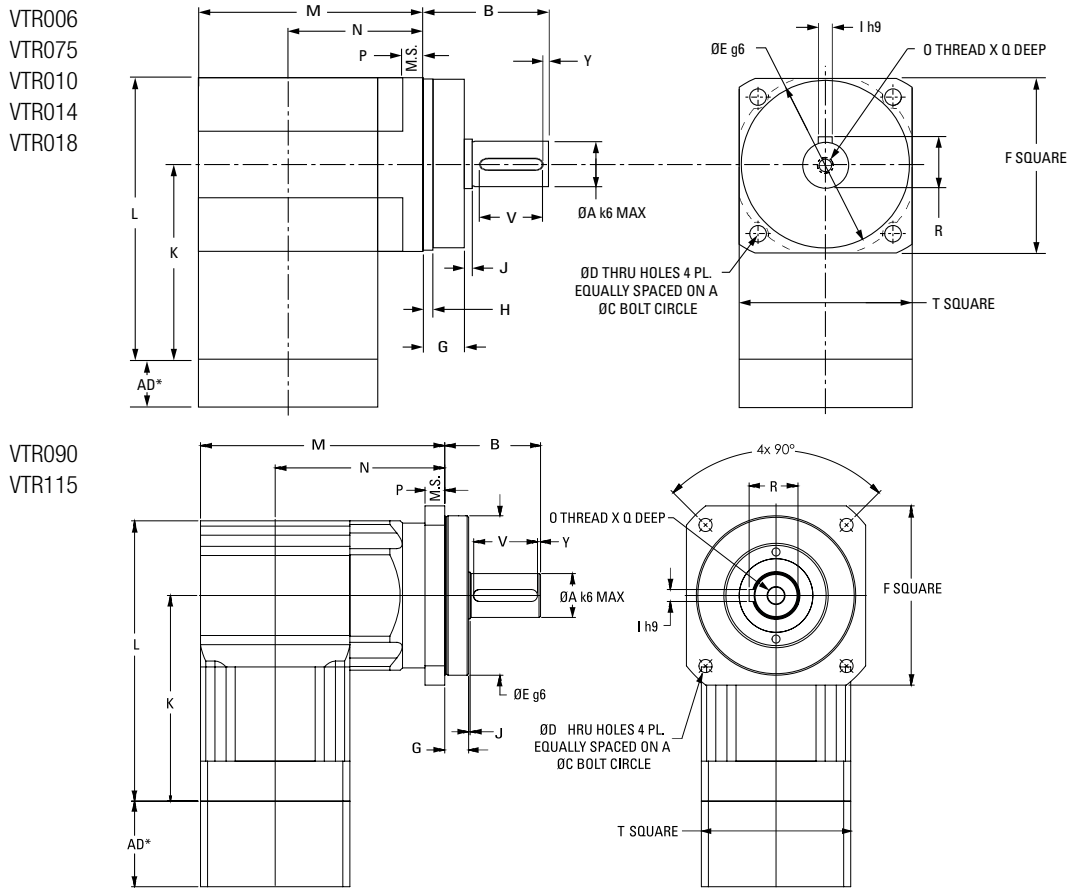
All ratios in frame size 60, 75, 100 and 140 are available to ship in 24 hours through the Gearhead Express Program.

* Efficiency measured at 100% rated torque

* Backlash is maximum for the life of the gearhead

* For other ratios, please contact factory

Helical Right Angle Gearheads



Right Angle Dimensions

Part Number	F Output Flange Square mm [in.]	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 Square mm [in.]	J Shoulder Length mm [in.]	O Output Shaft Thread mm [in.]	Q Thread Depth mm [in.]	E Pilot Diameter mm [in.]	G Pilot Length mm [in.]
VTR006	61 [2.40]	16 [0.63]	48 [1.89]	1 [0.04]	25 [0.98]	18 [0.71]	5 [0.20]	1 [0.04]	M5	19 [0.75]	60 [2.36]	18 [0.71]
VTR075	75 [2.95]	22 [0.86]	56 [2.20]	1,5 [0.06]	32 [1.26]	24,5 [0.97]	6 [0.24]	1 [0.04]	M8	19 [0.75]	70 [2.75]	20 [0.79]
VTR090	90 [3.54]	22 [0.86]	48 [1.89]	1,5 [0.06]	32 [1.26]	24,5 [0.97]	6 [0.24]	1 [0.04]	M8	19 [0.75]	80 [1.48]	12 [0.47]
VTR010	101 [3.98]	32 [1.26]	88 [3.46]	3 [0.12]	50 [1.97]	35 [1.38]	10 [0.39]	2 [0.08]	M12	20 [0.80]	90 [3.54]	28 [1.10]
VTR115	115 [4.53]	32 [1.26]	72 [2.83]	3 [0.12]	50 [1.97]	35 [1.38]	10 [0.39]	2 [0.08]	M12	20 [0.80]	110 [4.33]	24 [0.94]
VTR014	141 [5.55]	40 [1.57]	112 [4.41]	5 [0.20]	70 [2.76]	43 [1.69]	12 [0.47]	3 [0.12]	M12	20 [0.80]	130 [5.11]	27 [1.06]
VTR018	182 [7.17]	55 [2.17]	112 [4.41]	6 [0.24]	70 [2.76]	59 [2.32]	16 [0.63]	3 [0.12]	M20	42 [1.65]	160 [6.29]	27 [1.06]

Part Number	P Flange Thickness mm [in.]	H Effective Pilot Length mm [in.]	L Length mm [in.]	K Distance to Output CL mm [in.]	C Bolt Circle mm [in.]	D Bolt Hole mm [in.]	M Housing Width mm [in.]		N Distance to Input CL mm [in.]		T Input Flange Square mm [in.]
							All other ratios	4:1 & 5:1 only	All other ratios	4:1 & 5:1 only	
VTR006	7 [0.28]	7 [0.28]	109,5 [4.31]	79 [3.11]	68 [2.68]	5,6 [0.22]	95 [3.75]	95 [3.75]	65 [2.55]	65 [2.55]	61 [2.40]
VTR075	8 [0.31]	7 [0.28]	141 [5.55]	103 [4.05]	85 [3.35]	7 [0.28]	114,5 [4.51]	114,5 [4.51]	77 [3.04]	77 [3.04]	75 [2.95]
VTR090	10 [0.39]	-	141 [5.55]	103 [4.05]	100 [3.94]	6,6 [0.26]	122,5 [4.82]	122,5 [4.82]	85 [3.35]	85 [3.35]	75 [2.95]
VTR010	10 [0.39]	12 [0.47]	193 [7.60]	142,5 [5.61]	120 [4.72]	9 [0.34]	149 [5.88]	157 [6.19]	99 [3.89]	107 [4.20]	101 [3.98]
VTR115	12 [0.47]	-	193 [7.60]	142,5 [5.61]	130 [5.118]	9 [0.34]	165 [6.51]	173 [6.82]	114,8 [4.52]	123 [4.83]	101 [3.98]
VTR014	13 [0.51]	14 [0.55]	231 [9.09]	160 [6.23]	165 [6.50]	11 [0.43]	222 [8.74]	222 [8.74]	151 [5.95]	151 [5.95]	142 [5.59]
VTR018	15 [0.59]	13 [0.51]	319 [12.60]	228 [8.97]	215 [8.46]	13,5 [0.53]	273 [10.76]	301 [11.83]	182 [7.18]	210 [8.25]	182 [7.17]

ValueTRUE™ Helical Right Angle Gearheads

Right Angle Torque: VTR006 - VTR075

Performance Specifications

Part Number		Ratio	20000 Hour Life			Tpeak Nm [in.-lb.]	J kg-cm ² [in.-lb.-sec ² x10 ⁻⁴]	Torsional Stiffness Nm/arc-min [in.-lb./arc-min]
			T _r (1000 rpm) Nm [in.-lb.]	T _r (3000 rpm) Nm [in.-lb.]	T _r (5000 rpm) Nm [in.-lb.]			
VTR006	VTR006-008	8:1	44 [390]	41 [358]	34 [303]	95 [844]	0.50 [4.43]	1.89 [16.7]
	VTR006-010	10:1	43 [382]	40 [350]	36 [319]	92 [812]	0.49 [4.34]	1.62 [14.3]
	VTR006-012	12:1	41 [358]	37 [327]	33 [295]	98 [868]	0.39 [3.45]	1.80 [15.9]
	VTR006-014	14:1	41 [358]	38 [335]	37 [327]	87 [773]	0.49 [4.34]	2.16 [19.1]
	VTR006-015	15:1	44 [390]	41 [366]	40 [350]	95 [836]	0.39 [3.45]	2.16 [19.1]
	VTR006-016	16:1	30 [263]	27 [239]	24 [215]	99 [876]	0.39 [3.45]	2.16 [19.1]
	VTR006-020	20:1	37 [327]	34 [303]	31 [271]	95 [844]	0.39 [3.45]	2.16 [19.1]
	VTR006-025	25:1	31 [271]	28 [247]	25 [223]	96 [852]	0.38 [3.36]	2.07 [18.3]
	VTR006-028	28:1	42 [374]	40 [350]	39 [342]	90 [797]	0.39 [3.45]	1.98 [18.3]
	VTR006-030	30:1	25 [223]	22 [191]	21 [183]	84 [741]	0.42 [3.72]	2.07 [18.3]
	VTR006-035	35:1	43 [382]	40 [350]	35 [311]	91 [804]	0.38 [3.36]	2.07 [18.3]
	VTR006-040	40:1	26 [231]	23 [199]	22 [191]	85 [749]	0.39 [3.45]	2.16 [19.1]
VTR075	VTR006-050	50:1	27 [239]	23 [207]	22 [191]	85 [749]	0.38 [3.36]	2.16 [19.1]
	VTR075-008	8:1	80 [709]	73 [645]	70 [621]	170 [1505]	1.90 [16.81]	4.23 [37.4]
	VTR075-010	10:1	77 [685]	71 [629]	68 [605]	165 [1458]	1.90 [16.81]	3.69 [32.7]
	VTR075-012	12:1	82 [725]	76 [669]	73 [645]	175 [1545]	1.50 [13.28]	4.14 [36.6]
	VTR075-014	14:1	74 [653]	68 [605]	66 [581]	157 [1386]	1.90 [16.81]	5.94 [52.6]
	VTR075-015	15:1	79 [701]	74 [653]	70 [621]	168 [1489]	1.50 [13.28]	6.03 [53.4]
	VTR075-016	16:1	84 [741]	77 [685]	75 [661]	177 [1569]	1.50 [13.28]	6.03 [53.4]
	VTR075-020	20:1	80 [709]	75 [661]	72 [637]	171 [1513]	1.50 [13.28]	5.85 [51.8]
	VTR075-025	25:1	82 [725]	77 [677]	72 [637]	173 [1529]	1.50 [13.28]	5.76 [51.0]
	VTR075-028	28:1	77 [677]	72 [637]	69 [613]	161 [1426]	1.50 [13.28]	5.31 [47.0]
	VTR075-030	30:1	45 [398]	40 [350]	37 [327]	149 [1322]	1.60 [14.16]	5.67 [47.0]
	VTR075-035	35:1	77 [685]	73 [645]	70 [621]	163 [1442]	1.50 [13.28]	5.67 [50.2]
	VTR075-040	40:1	47 [414]	41 [358]	38 [335]	151 [1338]	1.50 [13.28]	6.03 [53.4]
	VTR075-050	50:1	48 [422]	42 [374]	40 [350]	153 [1354]	1.50 [13.28]	5.94 [52.6]

All ratios in frame size 60, 75, 100 and 140 are available to ship in 24 hours through the Gearhead Express Program.

¹ Ratios are exact, higher ratios are also available, consult factory.
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).

ValueTRUE Helical Right Angle Gearheads

Right Angle Torque: VTR090 - VTR1010

Performance Specifications

Part Number		Ratio	20000 Hour Life			Tpeak Nm [in.-lb.]	J kg-cm ² [in.-lb.-sec ² ×10 ⁻⁴]	Torsional Stiffness Nm/arc-min [in.-lb./arc-min]
			T _r (1000 rpm)	T _r (3000 rpm)	T _r (5000 rpm)			
			Nm [in.-lb.]	Nm [in.-lb.]	Nm [in.-lb.]			
VTR090	VTR090-008	8:1	80 [709]	73 [345]	70 [621]	170 [1505]	1.90 [16.81]	4.23 [37.4]
	VTR090-010	10:1	77 [685]	71 [629]	68 [605]	165 [1458]	1.90 [16.81]	3.69 [32.7]
	VTR090-012	12:1	82 [725]	76 [669]	73 [645]	175 [1545]	1.50 [13.28]	4.14 [36.6]
	VTR090-014	14:1	74 [653]	68 [605]	66 [581]	157 [1386]	1.90 [16.81]	5.94 [52.6]
	VTR090-015	15:1	79 [701]	74 [653]	70 [621]	168 [1489]	1.50 [13.28]	6.03 [53.4]
	VTR090-016	16:1	84 [741]	77 [685]	75 [661]	177 [1569]	1.50 [13.28]	6.03 [53.4]
	VTR090-020	20:1	80 [709]	75 [661]	72 [637]	171 [1513]	1.50 [13.28]	5.85 [51.8]
	VTR090-025	25:1	82 [725]	77 [677]	72 [637]	173 [1529]	1.50 [13.28]	5.76 [51.0]
	VTR090-028	28:1	77 [677]	72 [637]	69 [613]	161 [1426]	1.50 [13.28]	5.31 [47.0]
	VTR090-030	30:1	45 [398]	40 [350]	37 [327]	149 [1322]	1.60 [14.16]	5.67 [50.2]
	VTR090-035	35:1	77 [685]	73 [645]	70 [621]	163 [1442]	1.50 [13.28]	5.67 [50.2]
	VTR090-040	40:1	47 [414]	41 [358]	38 [335]	151 [1338]	1.50 [13.28]	6.03 [53.4]
VTR090-050	50:1	48 [422]	42 [374]	40 [350]	153 [1354]	1.50 [13.28]	5.94 [52.6]	
VTR1010	VTR1010-004T	4:1	234 [2071]	195 [1728]	167 [1673]	492 [4357]	3.30 [29.20]	14.94 [132.2]
	VTR1010-005T	5:1	228 [2015]	203 [1800]	175 [1649]	478 [4229]	3.30 [29.20]	11.79 [104.3]
	VTR1010-008	8:1	234 [2071]	195 [1728]	167 [1673]	492 [4357]	3.30 [29.20]	14.94 [132.2]
	VTR1010-010	10:1	228 [2015]	203 [1800]	175 [1649]	478 [4229]	3.30 [29.20]	11.79 [104.3]
	VTR1010-012	12:1	243 [2151]	221 [1951]	189 [1744]	508 [4492]	2.60 [23.01]	16.92 [149.7]
	VTR1010-014	14:1	217 [1920]	200 [1768]	186 [1649]	455 [4030]	3.30 [29.20]	20.79 [184.0]
	VTR1010-015	15:1	233 [2063]	216 [1912]	197 [1744]	491 [4349]	2.50 [22.12]	21.87 [193.5]
	VTR1010-016	16:1	225 [1991]	205 [1816]	185 [1641]	518 [4580]	2.60 [23.01]	22.32 [197.5]
	VTR1010-020	20:1	238 [2103]	221 [1951]	212 [1872]	500 [4421]	2.60 [23.01]	19.89 [176.0]
	VTR1010-025	25:1	211 [1864]	193 [1705]	174 [1532]	506 [4476]	2.50 [22.12]	19.89 [176.0]
	VTR1010-028	28:1	226 [1999]	211 [1854]	203 [1792]	473 [4190]	2.60 [23.01]	17.28 [152.9]
	VTR1010-030	30:1	132 [1171]	115 [1020]	107 [948]	439 [3887]	2.80 [24.78]	17.19 [152.9]
	VTR1010-035	35:1	229 [2023]	214 [1896]	206 [1824]	479 [4237]	2.50 [22.12]	17.10 [152.1]
	VTR1010-040	40:1	137 [1211]	119 [1051]	112 [988]	445 [3935]	2.60 [23.01]	22.41 [198.3]
	VTR1010-050	50:1	140 [1243]	122 [1083]	115 [1020]	448 [3967]	2.50 [22.12]	19.71 [174.4]

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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).

ValueTRUE™ Helical Right Angle Gearheads

Right Angle Torque: VTR115, VTR014, VTR018

Performance Specifications

Part Number		Ratio	20000 Hour Life			Tpeak Nm [in.-lb.]	J kg-cm ² [in.-lb.-sec ² ×10 ⁻⁴]	Torsional Stiffness Nm/arc-min [in.-lb./arc-min]
			T _r	T _r	T _r			
			(1000 rpm) Nm [in.-lb.]	(3000 rpm) Nm [in.-lb.]	(5000 rpm) Nm [in.-lb.]			
VTR115	VTR115-004T	4:1	234 [2071]	195 [1728]	167 [1481]	492 [4357]	3.30 [29.20]	14.94 [132.2]
	VTR115-005T	5:1	228 [2015]	203 [1800]	175 [1545]	478 [4229]	3.30 [29.20]	11.79 [104.3]
	VTR115-008	8:1	234 [2071]	195 [1728]	167 [1481]	492 [4357]	3.30 [29.20]	14.94 [132.2]
	VTR115-010	10:1	228 [2015]	203 [1800]	175 [1545]	478 [4229]	3.30 [29.20]	11.79 [104.3]
	VTR115-012	12:1	243 [2151]	221 [1951]	189 [1673]	508 [4492]	2.60 [23.01]	16.92 [149.7]
	VTR115-014	14:1	217 [1920]	200 [1768]	186 [1649]	455 [4030]	3.30 [29.20]	20.79 [184.0]
	VTR115-015	15:1	233 [2063]	216 [1912]	197 [1744]	491 [4349]	2.50 [22.12]	21.87 [193.5]
	VTR115-016	16:1	225 [1991]	205 [1816]	185 [1641]	518 [4580]	2.60 [23.01]	22.32 [197.3]
	VTR115-020	20:1	238 [2103]	221 [1951]	212 [1872]	500 [4421]	2.60 [23.01]	19.89 [176.0]
	VTR115-025	25:1	211 [1864]	193 [1705]	174 [1537]	506 [4476]	2.50 [22.12]	19.89 [176.0]
	VTR115-028	28:1	226 [1999]	211 [1864]	203 [1792]	473 [4190]	2.60 [23.01]	17.28 [152.9]
	VTR115-030	30:1	132 [1171]	115 [1020]	107 [948]	439 [3887]	2.80 [24.78]	17.19 [152.1]
	VTR115-035	35:1	229 [2023]	214 [1896]	203 [1824]	479 [4237]	2.50 [22.12]	17.10 [151.3]
	VTR115-040	40:1	137 [1211]	119 [1051]	112 [988]	445 [3935]	2.60 [23.01]	22.41 [198.3]
	VTR115-050	50:1	140 [1243]	122 [1083]	115 [1020]	448 [3967]	2.50 [22.12]	19.71 [174.4]
VTR014	VTR014-004T	4:1	550 [4867]	477 [4221]	409 [3616]	1142 [10108]	16.00 [141.60]	33.03 [292.0]
	VTR014-005T	5:1	534 [4723]	485 [4293]	427 [3775]	1110 [9821]	16.00 [141.60]	28.71 [254.0]
	VTR014-008	8:1	550 [4867]	477 [4221]	409 [3616]	1142 [10108]	16.00 [141.60]	33.03 [292.0]
	VTR014-010	10:1	534 [4723]	485 [4293]	427 [3775]	1110 [9821]	16.00 [141.60]	28.71 [254.0]
	VTR014-012	12:1	567 [5018]	518 [4580]	462 [4086]	1182 [10458]	13.00 [115.05]	19.89 [176.0]
	VTR014-014	14:1	509 [4500]	466 [4126]	444 [3927]	1061 [9391]	16.00 [141.60]	46.44 [411.0]
	VTR014-015	15:1	549 [4859]	504 [4460]	480 [4245]	1145 [10131]	12.00 [106.20]	46.53 [412.0]
	VTR014-016	16:1	525 [4644]	479 [4237]	433 [3831]	1206 [10673]	13.00 [115.05]	47.52 [421.0]
	VTR014-020	20:1	560 [4954]	517 [4572]	493 [4365]	1166 [10323]	13.00 [115.05]	44.28 [392.0]
	VTR014-025	25:1	532 [4707]	494 [4373]	474 [4198]	1183 [10466]	13.00 [115.05]	38.52 [341.0]
	VTR014-028	28:1	532 [4707]	494 [4373]	474 [4198]	1108 [9805]	13.00 [115.05]	38.52 [341.0]
	VTR014-030	30:1	317 [2804]	275 [2429]	256 [2262]	1029 [9104]	14.00 [123.90]	40.23 [356.0]
	VTR014-035	35:1	539 [4771]	502 [4444]	483 [4277]	1121 [9924]	12.00 [106.20]	36.18 [320.0]
	VTR014-040	40:1	328 [2899]	285 [2525]	266 [2350]	1043 [9231]	13.00 [115.05]	47.34 [419.0]
	VTR014-050	50:1	338 [2987]	293 [2597]	275 [2429]	1054 [9327]	12.00 [106.20]	44.28 [392.0]
VTR018	VTR018-004T	4:1	1285 [11374]	1066 [9431]	914 [8092]	2636 [23329]	45 [398]	102 [900]
	VTR018-005T	5:1	1247 [11039]	1111 [9829]	952 [8427]	2566 [22708]	45 [398]	83 [733]
	VTR018-008	8:1	1285 [11374]	1066 [9431]	914 [8092]	2636 [23329]	45 [398]	102 [900]
	VTR018-010	10:1	1247 [11039]	1111 [9829]	952 [8427]	2566 [22708]	45 [398]	83 [733]
	VTR018-012	12:1	1328 [11748]	1203 [10649]	1032 [9136]	2736 [24214]	36 [319]	57 [502]
	VTR018-014	14:1	1193 [10554]	1085 [9606]	1016 [8992]	2460 [21768]	45 [398]	100 [884]
	VTR018-015	15:1	1287 [11390]	1174 [10386]	1076 [9518]	2655 [23497]	35 [310]	130 [1147]
	VTR018-016	16:1	1199 [10609]	1094 [9685]	989 [8754]	2800 [24779]	36 [319]	132 [1171]
	VTR018-020	20:1	1314 [11629]	1205 [10665]	1148 [10155]	2713 [24007]	36 [319]	128 [1131]
	VTR018-025	25:1	1054 [9327]	962 [8515]	870 [7702]	2754 [24373]	35 [310]	107 [948]
	VTR018-028	28:1	1251 [11071]	1156 [10227]	1105 [9781]	2583 [22860]	36 [319]	113 [1004]
	VTR018-030	30:1	747 [6611]	645 [5711]	600 [5313]	2399 [21227]	38 [336]	102 [900]
	VTR018-035	35:1	1268 [11223]	1176 [10410]	1128 [9980]	2617 [23162]	35 [310]	102 [900]
	VTR018-040	40:1	775 [6858]	671 [5942]	626 [5536]	2437 [21569]	36 [319]	132 [1171]
	VTR018-050	50:1	796 [7048]	691 [6117]	645 [5711]	2465 [21816]	35 [310]	128 [1131]

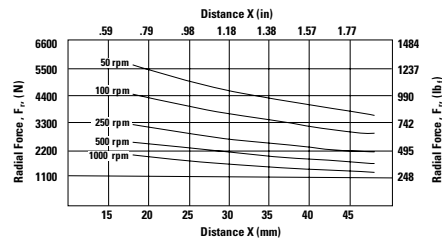
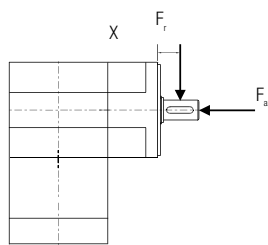
All ratios in frame size 60, 75, 100 and 140 are available to ship in 24 hours through the Gearhead Express Program.

¹ Ratios are exact, higher ratios are also available, consult factory.
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).

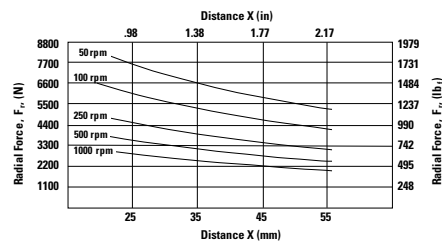
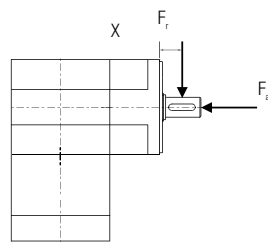
Radial and Axial Load Ratings

VTR006



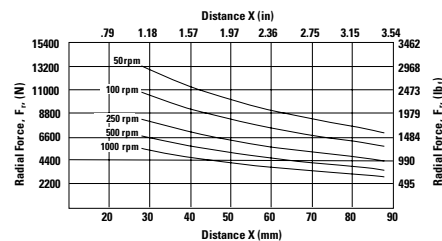
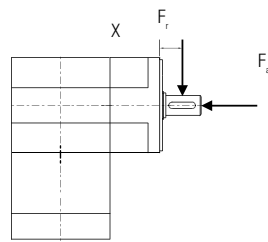
Speed rpm	Axial Load, F_a N [lb.]
50	7198 [1618]
100	5710 [1284]
250	4208 [946]
500	3342 [751]
1000	2652 [596]

VTR075 and VTR090



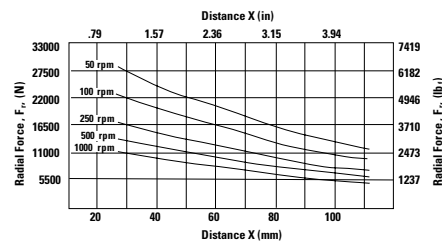
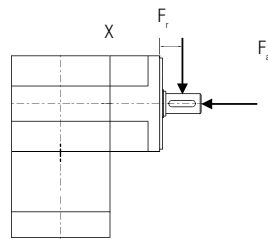
Speed rpm	Axial Load, F_a N [lb.]
50	9903 [2227]
100	7863 [1768]
250	5793 [1303]
500	4599 [1034]
1000	3650 [821]

VTR010 and VTR115



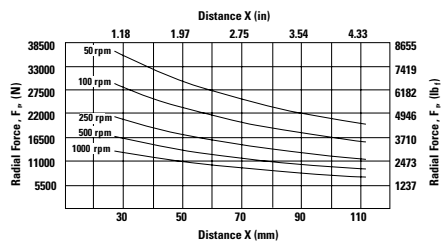
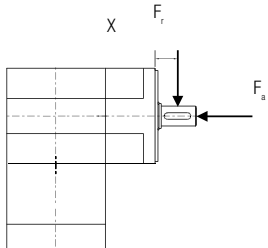
Speed rpm	Axial Load, F_a N [lb.]
50	13,675 [3075]
100	11,107 [2497]
250	8435 [1897]
500	6855 [1542]
1000	5568 [1252]

VTR014



Speed rpm	Axial Load, F_a N [lb.]
50	25,374 [5705]
100	20,609 [4633]
250	15,657 [3520]
500	12,716 [2859]
1000	10,329 [2322]

VTR018



Speed rpm	Axial Load, F_a N [lb.]
50	34,538 [7765]
100	27,414 [6163]
250	20,197 [4541]
500	16,034 [3605]
1000	12,726 [2861]

These graphs display the allowable radial load at a given distance (X) from the mounting surface based on an L_{10} life of 10,000 hours for the mean output speed n_{mount} , as described on page 9.