

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.

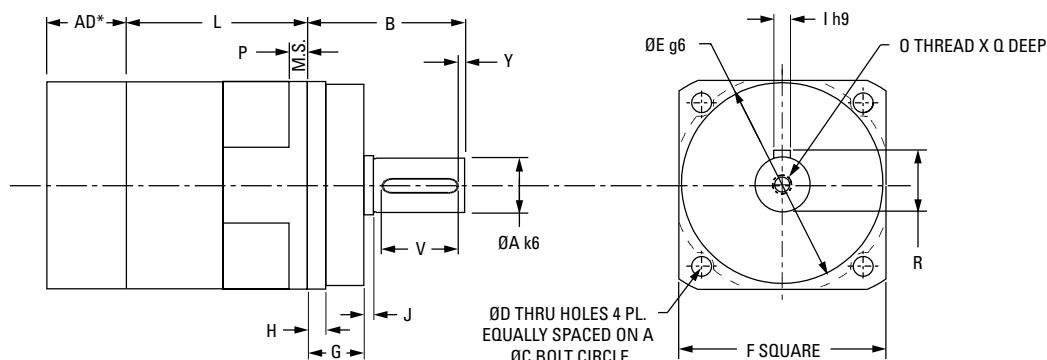
* Efficiency measured at 100% rated torque

* Backlash is maximum for the life of the gearhead

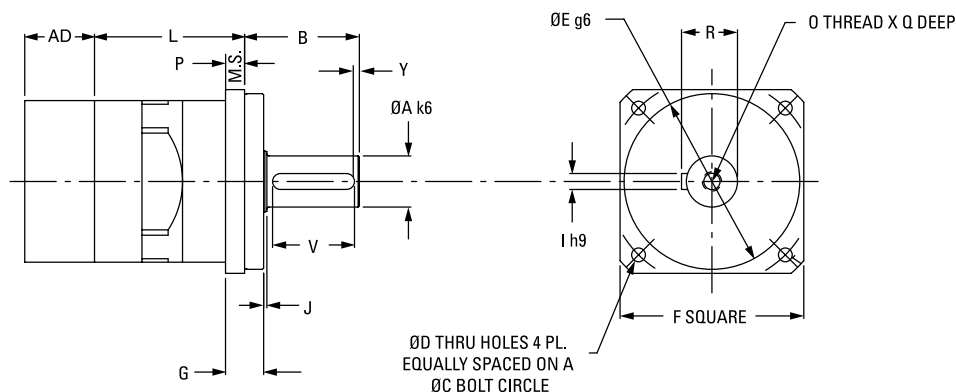
* For other ratios, please contact factory

Helical True Planetary Gearheads

VT006
VT075
VT010
VT014
VT018
VT022



VT090
VT115



Inline Dimensions

Part Number	F 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.]	E Pilot Diameter mm [in.]
VT006	61 [2.40]	16 [0.63]	48 [1.89]	1 [0.04]	25 [0.98]	18 [0.71]	5 [0.20]	1 [0.04]	60 [2.36]
VT075	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]	70 [2.75]
VT090	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]	80 [1.48]
VT010	101 [3.98]	32 [1.26]	88 [3.46]	3 [0.12]	50 [1.97]	35 [1.38]	10 [0.39]	2 [0.08]	90 [3.54]
VT115	115 [4.53]	32 [1.26]	72 [2.83]	3 [0.12]	50 [1.97]	35 [1.38]	10 [0.39]	2 [0.08]	110 [4.33]
VT014	141 [5.55]	40 [1.57]	112 [4.41]	5 [0.20]	70 [2.76]	43 [1.69]	12 [0.47]	3 [0.12]	130 [5.11]
VT018	182 [7.17]	55 [2.17]	112 [4.41]	6 [0.24]	70 [2.76]	59 [2.32]	16 [0.63]	3 [0.12]	160 [6.30]
VT022	220 [8.66]	75 [2.95]	143 [5.63]	7 [0.28]	90 [3.54]	79.5 [3.13]	20 [0.78]	3 [0.12]	180 [7.08]

Part Number	G Pilot Length mm [in.]	P Flange Thickness mm [in.]	H Effective Pilot Length mm [in.]	L Length mm [in.]		C Bolt Circle mm [in.]	D Bolt Hole mm [in.]	O Output Shaft Thread mm [in.]	Q Thread Depth mm [in.]
				4:1 - 10:1	16:1 - 100:1				
VT006	18 [0.71]	7 [0.28]	7 [0.28]	57 [2.24]	105,4 [4.15]	68 [2.68]	5,6 [0.22]	M5	19 [0.75]
VT075	20 [0.79]	8 [0.31]	7 [0.28]	60 [2.36]	117 [4.60]	85 [3.35]	7 [0.28]	M8	19 [0.75]
VT090	12 [0.47]	10 [0.39]	-	68 [2.67]	125 [4.92]	100 [3.94]	6,6 [0.26]	M8	19 [0.75]
VT010	28 [1.10]	10 [0.39]	12 [0.47]	78 [3.09]	146 [5.75]	120 [4.72]	9 [0.34]	M12	20 [0.80]
VT115	12 [0.47]	12 [0.47]	-	94 [3.72]	162 [6.38]	130 [5.118]	9 [0.34]	M12	20 [0.80]
VT014	27 [1.06]	13 [0.51]	14 [0.55]	110,5 [4.35]	195 [7.67]	165 [6.50]	11 [0.43]	M12	20 [0.80]
VT018	27 [1.06]	15 [0.59]	13 [0.51]	136 [5.35]	242,3 [9.54]	215 [8.46]	13,5 [0.53]	M20	42 [1.65]
VT022	35 [1.38]	17 [0.67]	18 [0.71]	142,7 [5.62]	243,6 [9.60]	250 [9.84]	17 [0.67]	M20	42 [1.65]

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 True Planetary Gearheads

Inline Torque: VT006 - VT010

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	T _r	T _r			
			(1000 rpm) Nm [in.-lb.]	(3000 rpm) Nm [in.-lb.]	(5000 rpm) Nm [in.-lb.]			
VT006	VT006-004	4:1	42 [375]	32 [290]	28 [248]	91 [802]	0.20 [1.80]	2.36 [20.9]
	VT006-005	5:1	41 [364]	34 [302]	30 [259]	88 [779]	0.13 [1.16]	2.30 [20.4]
	VT006-007	7:1	40 [347]	36 [319]	32 [276]	84 [743]	0.11 [0.96]	2.18 [19.4]
	VT006-010	10:1	22 [194]	19 [167]	17 [156]	79 [703]	0.10 [0.85]	1.74 [15.4]
	VT006-016	16:1	47 [410]	43 [383]	41 [369]	99 [878]	0.16 [1.44]	2.40 [21.3]
	VT006-020	20:1	47 [416]	44 [42]	42 [375]	100 [887]	0.16 [1.44]	2.36 [20.9]
	VT006-025	25:1	45 [401]	42 [376]	41 [364]	96 [853]	0.16 [1.44]	2.32 [20.5]
	VT006-028	28:1	48 [423]	45 [398]	43 [384]	102 [899]	0.16 [1.44]	2.21 [19.6]
	VT006-035	35:1	46 [408]	43 [384]	42 [127]	97 [864]	0.10 [0.85]	2.29 [20.3]
	VT006-040	40:1	49 [430]	46 [406]	44 [394]	103 [910]	0.10 [0.85]	2.40 [21.3]
VT007	VT007-004	4:1	47 [415]	44 [392]	43 [381]	99 [874]	0.10 [0.85]	2.36 [20.9]
	VT007-005	5:1	44 [662]	42 [373]	41 [362]	93 [822]	0.10 [0.85]	2.21 [19.6]
	VT007-007	7:1	29 [256]	25 [224]	23 [211]	86 [766]	0.10 [0.85]	1.83 [16.1]
	VT007-010	10:1	76 [671]	67 [587]	57 [503]	161 [1423]	0.46 [4.10]	6.30 [55.7]
	VT007-016	16:1	74 [651]	67 [591]	59 [525]	157 [1383]	0.38 [3.40]	6.17 [54.6]
	VT007-020	20:1	70 [621]	64 [569]	61 [541]	149 [1322]	0.31 [2.80]	5.46 [48.3]
	VT007-025	25:1	40 [348]	34 [300]	32 [279]	141 [1254]	0.27 [2.40]	4.01 [35.6]
	VT007-028	28:1	84 [738]	77 [686]	75 [659]	177 [1569]	0.31 [2.80]	6.62 [58.6]
	VT007-035	35:1	85 [747]	79 [698]	76 [671]	179 [1586]	0.31 [2.80]	6.48 [57.3]
	VT007-040	40:1	82 [721]	77 [675]	74 [651]	173 [1528]	0.31 [2.80]	6.36 [56.3]
VT009	VT009-004	4:1	86 [761]	81 [714]	77 [689]	182 [1610]	0.28 [2.50]	5.81 [51.4]
	VT009-005	5:1	83 [734]	78 [690]	76 [667]	175 [1549]	0.16 [1.40]	6.01 [53.2]
	VT009-007	7:1	87 [775]	83 [730]	80 [707]	185 [1632]	0.16 [1.40]	6.63 [58.7]
	VT009-010	10:1	85 [747]	80 [706]	77 [683]	177 [1569]	0.16 [1.40]	6.50 [57.5]
	VT009-016	16:1	80 [706]	76 [669]	74 [650]	167 [1475]	0.16 [1.40]	5.83 [51.6]
	VT009-020	20:1	52 [462]	46 [405]	43 [380]	156 [1376]	0.15 [1.30]	4.05 [35.8]
	VT009-025	25:1	76 [671]	67 [587]	57 [503]	161 [1423]	0.46 [4.10]	6.30 [55.7]
	VT009-028	28:1	74 [651]	67 [591]	59 [525]	157 [1383]	0.38 [3.40]	6.17 [54.6]
	VT009-035	35:1	70 [621]	64 [569]	61 [541]	149 [1322]	0.31 [2.80]	5.46 [48.3]
	VT009-040	40:1	40 [348]	34 [300]	32 [279]	141 [1254]	0.27 [2.40]	4.01 [35.6]
VT010	VT010-004	4:1	84 [738]	77 [686]	75 [659]	177 [1569]	0.31 [2.80]	6.62 [58.6]
	VT010-005	5:1	85 [747]	79 [698]	76 [671]	179 [1586]	0.31 [2.80]	6.48 [57.3]
	VT010-007	7:1	82 [721]	77 [675]	74 [651]	173 [1528]	0.31 [2.80]	6.36 [56.3]
	VT010-010	10:1	86 [761]	81 [714]	77 [689]	182 [1610]	0.28 [2.50]	5.81 [51.4]
	VT010-016	16:1	83 [734]	78 [690]	76 [667]	175 [1549]	0.16 [1.40]	6.01 [53.2]
	VT010-020	20:1	87 [775]	83 [730]	80 [707]	185 [1632]	0.16 [1.40]	6.63 [58.7]
	VT010-025	25:1	85 [747]	80 [706]	77 [683]	177 [1569]	0.16 [1.40]	6.50 [57.5]
	VT010-028	28:1	80 [706]	76 [669]	74 [650]	167 [1475]	0.16 [1.40]	5.83 [51.6]
	VT010-035	35:1	52 [462]	46 [405]	43 [380]	156 [1376]	0.15 [1.30]	4.05 [35.8]
	VT010-040	40:1	76 [671]	67 [587]	57 [503]	161 [1423]	0.46 [4.10]	6.30 [55.7]

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 True Planetary Gearheads

Inline Torque: VT115 - VT022

Performance Specifications

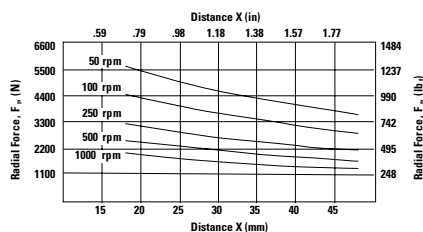
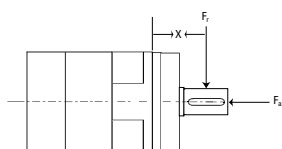
Part Number		Ratio	20000 Hour Life			Tpeak Nm [in.-lb.]	J kg-cm ² [in.-lb.-sec ² x10 ⁻⁴]	Torsional Stiffness Nm/arc-min [in.-lb./arc-min]
			T _r (1000 rpm) Nm [in.-lb.]	T _r (3000 rpm) Nm [in.-lb.]	T _r (5000 rpm) Nm [in.-lb.]			
VT115	VT115-004	4:1	221 [1954]	158 [1405]	136 [1206]	463 [4093]	1.58 [14.00]	23.1 [204]
	VT115-005	5:1	216 [1908]	166 [1465]	142 [1257]	451 [3991]	1.36 [12.00]	20.5 [182]
	VT115-007	7:1	206 [1825]	176 [1562]	151 [1340]	433 [3830]	0.97 [8.60]	19.0 [168]
	VT115-010	10:1	115 [1016]	99 [872]	92 [808]	411 [3640]	0.90 [8.00]	13.0 [115]
	VT115-016	16:1	246 [2174]	227 [2010]	206 [1827]	518 [4577]	1.10 [9.70]	24.6 [218]
	VT115-020	20:1	249 [2205]	231 [2046]	221 [1954]	524 [4637]	1.10 [9.70]	21.9 [194]
	VT115-025	25:1	241 [2131]	224 [1985]	216 [1908]	506 [4477]	1.10 [9.70]	21.9 [194]
	VT115-028	28:1	254 [2248]	237 [2098]	228 [2018]	533 [4718]	0.94 [8.30]	19.0 [168]
	VT115-035	35:1	246 [2172]	230 [2033]	221 [1959]	514 [4549]	0.79 [7.00]	18.8 [167]
	VT115-040	40:1	259 [2291]	243 [2149]	234 [2075]	542 [4794]	0.79 [7.00]	24.7 [219]
VT014	VT115-050	50:1	250 [2212]	235 [2081]	228 [2012]	521 [4615]	0.78 [6.90]	21.7 [192]
	VT115-070	70:1	237 [2094]	223 [1977]	217 [1916]	491 [4349]	0.78 [6.90]	19.0 [168]
	VT115-100	100:1	153 [1354]	134 [1185]	126 [1112]	459 [4059]	0.78 [6.90]	15.5 [137]
	VT014-004	4:1	518 [4583]	387 [3427]	332 [2940]	1066 [9431]	6.51 [57.60]	49.5 [438]
	VT014-005	5:1	504 [4459]	403 [3571]	347 [3064]	1040 [9206]	5.02 [44.40]	45.9 [407]
	VT014-007	7:1	483 [4274]	430 [3809]	369 [3268]	1002 [8866]	3.80 [33.60]	42.3 [378]
	VT014-010	10:1	275 [2426]	235 [2075]	217 [1919]	956 [8459]	3.39 [30.00]	31.5 [280]
	VT014-016	16:1	579 [5119]	532 [4704]	503 [4456]	1206 [10674]	4.21 [37.20]	52.2 [463]
	VT014-020	20:1	587 [5195]	542 [4795]	518 [4583]	1224 [10832]	4.07 [36.00]	48.6 [431]
	VT014-025	25:1	567 [5021]	526 [4654]	504 [4459]	1183 [10463]	4.07 [36.00]	48.6 [431]
VT018	VT014-028	28:1	599 [5303]	556 [4926]	534 [4725]	1248 [11047]	3.53 [31.20]	42.3 [375]
	VT014-035	35:1	579 [5122]	539 [4774]	518 [4589]	1204 [10653]	2.99 [26.40]	39.6 [352]
	VT014-040	40:1	612 [5413]	572 [5055]	550 [4867]	1271 [11248]	2.99 [26.40]	52.2 [461]
	VT014-050	50:1	509 [5223]	553 [4893]	534 [4720]	1224 [10831]	2.85 [25.20]	48.6 [431]
	VT014-070	70:1	559 [4949]	527 [4657]	509 [4504]	1155 [10223]	2.85 [25.20]	44.1 [392]
	VT014-100	100:1	367 [3246]	320 [2838]	301 [2659]	1081 [9564]	2.85 [25.20]	31.5 [281]
	VT018-004	4:1	1203 [10649]	866 [7658]	743 [6570]	2242 [21609]	25.90 [229.00]	137.7 [1222]
	VT018-005	5:1	1174 [10385]	902 [7981]	774 [6847]	2389 [21143]	20.00 [177.00]	135 [1197]
	VT018-007	7:1	1128 [9878]	962 [8512]	825 [7303]	2309 [20429]	14.60 [129.00]	120.6 [1067]
	VT018-010	10:1	645 [5710]	550 [4864]	507 [4486]	2210 [19561]	13.00 [115.00]	90.9 [804]
VT022	VT018-016	16:1	1356 [12005]	1238 [10963]	1125 [9959]	2800 [24779]	16.10 [142.00]	144.9 [1286]
	VT018-020	20:1	1378 [12194]	1265 [11191]	1203 [10649]	2846 [25187]	15.60 [138.00]	140.4 [1244]
	VT018-025	25:1	1333 [11799]	1229 [10877]	1174 [10385]	2754 [24370]	15.60 [138.00]	117.9 [1044]
	VT018-028	28:1	1409 [12466]	1301 [11518]	1245 [11013]	2910 [25751]	13.50 [119.00]	124.2 [1103]
	VT018-035	35:1	1362 [120490]	1263 [11178]	1211 [10714]	2810 [24870]	11.40 [101.00]	111.6 [988]
	VT018-040	40:1	1439 [12739]	1338 [11846]	1285 [11371]	2970 [2611]	11.40 [101.00]	144.9 [1286]
	VT018-050	50:1	1390 [12301]	1297 [11479]	1247 [11042]	2863 [25338]	10.90 [96.00]	140.4 [1244]
	VT018-070	70:1	1319 [11667]	1236 [10339]	1193 [10555]	2707 [23959]	10.90 [96.00]	124.2 [1103]
	VT018-100	100:1	868 [7676]	757 [6698]	708 [6269]	2537 [22454]	10.90 [96.00]	92.7 [817]
	VT022-004	4:1	1815 [16065]	1306 [11554]	1121 [9913]	4180 [36986]	87.00 [7.70]	386 [3414]
VT022-005	5:1	1892 [16740]	1360 [12038]	1167 [10328]	4093 [36225]	73.40 [6.50]	372 [3295]	
VT022-007	7:1	1838 [16268]	1452 [12844]	1245 [11019]	3933 [34804]	62.60 [5.55]	326 [2891]	
VT022-010	10:1	1050 [9293]	893 [8097]	823 [7277]	3871 [34254]	56.90 [5.04]	227 [2012]	
VT022-016	16:1	2218 [19625]	1979 [17513]	1697 [15025]	4722 [41793]	87.30 [7.73]	392 [3472]	
VT022-020	20:1	2254 [19948]	2062 [18246]	1815 [16065]	4791 [42396]	73.60 [6.52]	392 [3470]	
VT022-025	25:1	2184 [19332]	2009 [17781]	1892 [16745]	4636 [41025]	73.10 [6.47]	376 [3329]	
VT022-028	28:1	2304 [20394]	2125 [18803]	2008 [17528]	4884 [43224]	62.70 [5.55]	391 [3469]	
VT022-035	35:1	2233 [19765]	2067 [18294]	1976 [17494]	4719 [41757]	62.50 [5.53]	376 [3328]	
VT022-040	40:1	2357 [20864]	2188 [19359]	2095 [18542]	4972 [43999]	57.20 [5.06]	391 [3466]	
VT022-050	50:1	2282 [20199]	2125 [18808]	2040 [18056]	4795 [42440]	57.10 [5.05]	376 [3326]	
VT022-070	70:1	2165 [19159]	2026 [17930]	1951 [17270]	4523 [40023]	57.00 [5.04]	329 [2903]	
VT022-100	100:1	1414 [12512]	1232 [10904]	1155 [10220]	4367 [38647]	56.90 [5.04]	228 [2014]	

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).

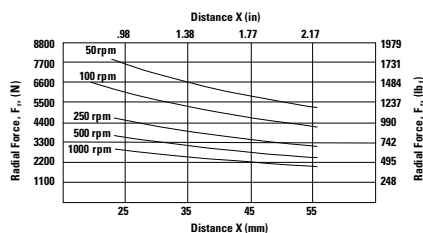
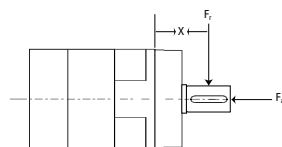
Radial and Axial Load Ratings

VT006



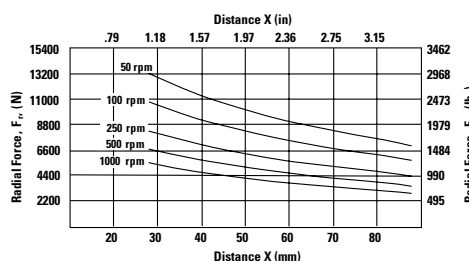
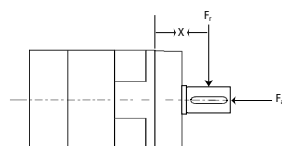
Speed rpm	Axial Load, F_a N [lb _f]
50	7198 [1618]
100	5710 [1284]
250	4208 [946]
500	3342 [751]
1000	2652 [596]

VT075 and VT090



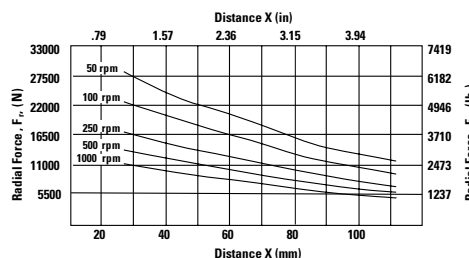
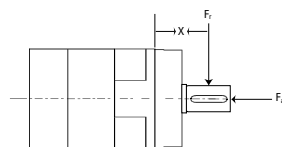
Speed rpm	Axial Load, F_a N [lb _f]
50	9903 [2227]
100	7863 [1768]
250	5793 [1303]
500	4599 [1034]
1000	3650 [821]

VT010 and VT115



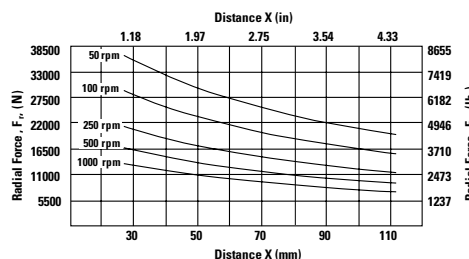
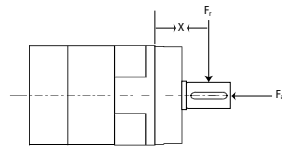
Speed rpm	Axial Load, F_a N [lb _f]
50	13,675 [3075]
100	11,107 [2497]
250	8435 [1897]
500	6855 [1542]
1000	5568 [1252]

VT014



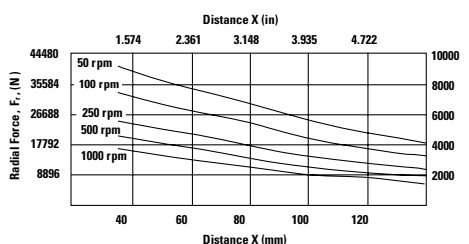
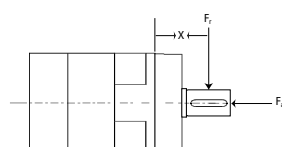
Speed rpm	Axial Load, F_a N [lb _f]
50	25,374 [5705]
100	20,609 [4633]
250	15,657 [3520]
500	12,716 [2859]
1000	10,329 [2322]

VT018



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

VT022



Speed rpm	Axial Load, F_a N [lb _f]
50	32,351 [3655]
100	26,277 [2969]
250	19,962 [2256]
500	16,214 [1832]

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_{mout} , as described on page 9.