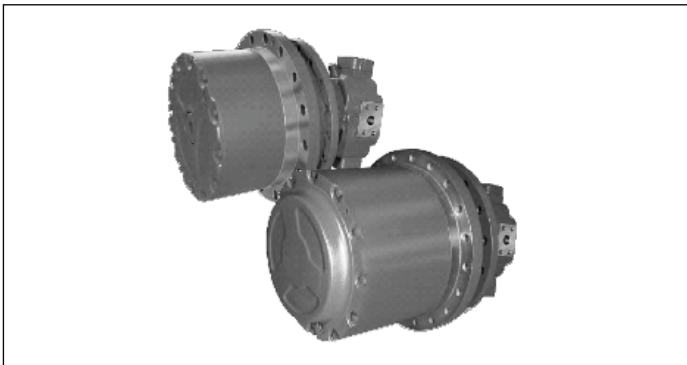


Hydrostatic drives HYDROTRAC GFT for mobile applications

RE 77110

Edition: 02/2016

Replaces: 04/2014



- ▶ Sizes GFT 9 to GFT 450
- ▶ Output torques from 9000 to 450000 Nm

Features

- ▶ Compact, space-saving planetary gearbox design
- ▶ Planet wheels carried in full-complement bearings
- ▶ Robust main bearing system
- ▶ Simple mounting
- ▶ Easy oil change
- ▶ Integrated static multiple disk brake
- ▶ Low-noise running operation

Contents

Description, gear unit design, hydraulic motors, static spring pressure multi-disk brake, disconnect device, sealing system, oil changes, design variants, type code	2
Dimensions and technical data for output torques from:	
9000 Nm to 36000 Nm	4
40000 Nm to 110000 Nm	6
160000 Nm to 450000 Nm	8
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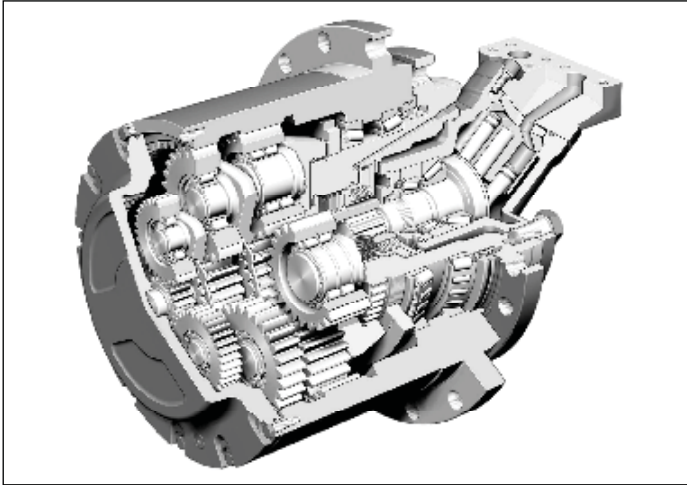
Additional information at:
www.boschrexroth.com/gears



Description

Rexroth compact hydrostatic HYDROTRAC GFT drives are the ideal driving components for wheel or track-laying vehicles and other mobile equipment. They are the perfect choice for every conceivable moving or turning application.

The drives are extremely compact and thus may also be installed in space-critical mounting configurations. The drives' load capacity and availability is extraordinary thanks to the use of case-hardened annulus gears.



Three-stage compact hydrostatic drive
Rexroth HYDROTRAC GFT with multiplate parking
device and Rexroth plug-type motor

The gear teeth design reflects both standard requirements and in-house operating strength calculations based on our comprehensive know-how and optimally adapted to our modern fabrication processes.

The drives feature maximum total efficiency ratings which, inter alia, is due to the use of Rexroth plug-type motors.

The drives described in this bulletin are constantly reviewed and advanced. Other design variants with deviating transmission, dimensions and power characteristics are available if so requested for specific applications.

Gearbox design

Gearbox design is based on long years of experience and reflects not only the customary standard design regulations but also satisfies operational strength requirements as per DIN 3990, ISO 6336, AGMA, GL or DNV. The output torque values indicated are short-term admissible peak torques meant for excavator travel drive applications. For other applications deviating output torques differing from those specified may apply to the respective gearbox. Even in the project stage we are prepared to offer application-specific consultation to customers aimed at finding the optimum drive configuration

Hydraulic Motors

Rexroth hydraulic motors are preferably integrated in a space-saving manner as flanged-on fixed or variable displacement units plugged into the gearbox.

Spring loaded multiplate parking brake integrated

As a standard supply feature the gearbox comes with one spring-loaded hydraulically released multiplate parking brake integrated on the input side. The static multiplate parking brake system is only a parking brake. The parking brake torque will suit the respective motor torque.

Disconnecting device

If requested, some of the drive systems may also be provided with a mechanical disconnecting device so that, if time is of essence, the equipment can be towed without damaging the hydraulic system.

Sealing system

An axial mechanical seal is mounted between the stationary and rotating gearbox sections. This prevents moisture and dirt from entering the drive even under extreme operating conditions.

Oil changes

Save for regular oil changes the drives do not require maintenance. Oil changes may conveniently be made from the outside. Recommendations as to lube oils are given in the operating manual.

Design variants

Model designations 1000 - 9000 indicate basic size and design variants that are readily available to our customers. To suit specific application requirements other models can also be furnished upon request. Depending on currently furnished units and transmission ratios many drives are available on preferential terms offering favorable prices and improved delivery times. If you are interested, please let us know.

To suit the required ratio the gearboxes are of two- (T2) or three-stage (T3) design. If so requested, gear models 330 and 450 may be provided with an additional preliminary stage and in that case will be of four-stage design (T4). Please also observe our gearboxes series HYDROTRAC GFT 2000 (RE 77116) and HYDROTRAC GFT 8000 (RE 77117, RE 77128)

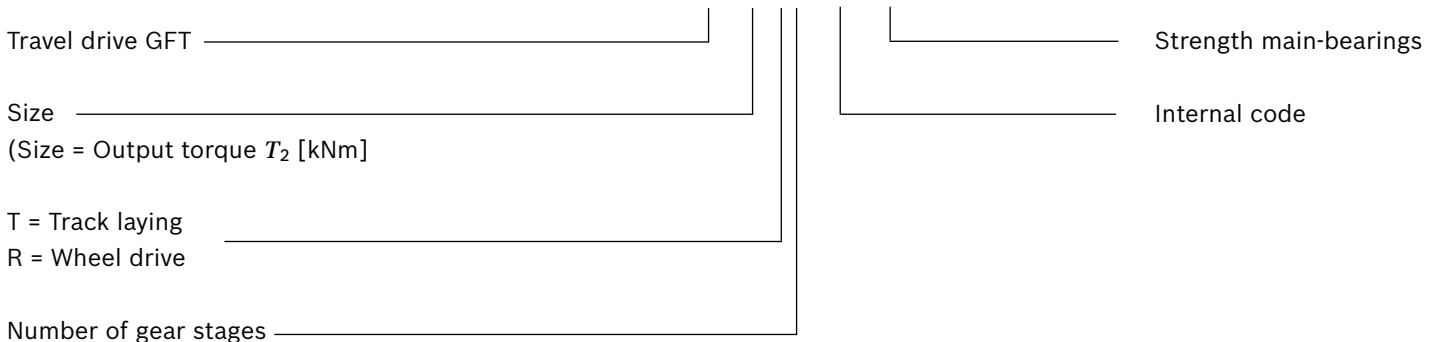
Hydrostatic drives HYDROTRAC GFT overview

Type/design variant GFT	Output torque $T_{2 \max}$ Nm	Gear ratio from/to i
GFT 9 T2	9000	47.6 - 55.3
GFT 13 T2	13000	22.6 - 37.6
GFT 17 T2	17000	37.6 - 54
GFT 17 T3	17000	77.9 - 88.2
GFT 24 T3	24000	90.1 - 137.2
GFT 26 T2	26000	42.9 - 62
GFT 34 T2	34000	42.9 - 50,5
GFT 36 T3	36000	115 - 138.8
GFT 40 T2	40000	35.9 - 59.1
GFT 50 T3	50000	73.9 - 177.5
GFT 60 T3	60000	94.8 - 169,9
GFT 65 T2	65000	55.4
GFT 80 T3	80000	99 - 215
GFT 110 T3	110000	87.6 - 173.9
GFT 160 T3	160000	210.8 - 251
GFT 220 T3 / R3	220000	67.7 - 365
GFT 330 T3	330000	168.9 - 302.4
GFT 330 T4	330000 / 380000	451.7 - 826.6
GFT 450 T4	450000	421.7

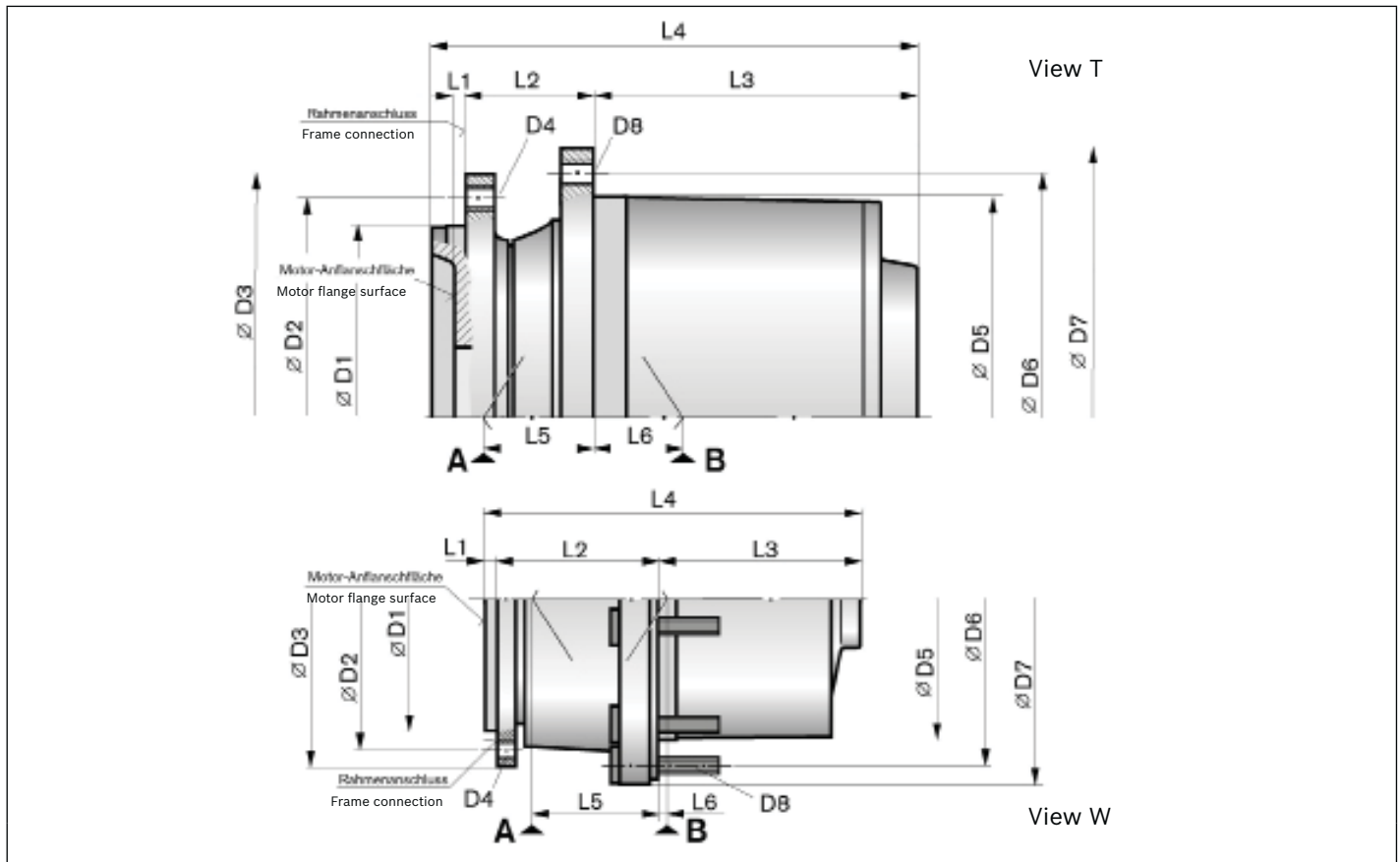
You can find the current range of our hydraulic compact drives
 HYDROTRAC GFT at
www.boschrexroth.com/gears

Type code

HYDROTRAC GFT 80 T3 2000 SL



Dimensions



View T = turas attachment possible, view W = wheel rim attachment

Technical data

Type/design variant GFT	Output torque $T_{2 \max}$ Nm	Gear ratio i	Holding torque $T_{Br \max}$ Nm	Hydraulic motor
GFT 9 T2 3000	9000	47.6 • 55.3	215	A6VE 28 / A2FE 32
GFT 13 T2 4000/1	13000	26.4 • 32.1 • 37.6	400	A6VE 55 • 60
GFT 13 T2 4000/2	13000	26.4 • 32.1 • 37.6	400	A2FE 45 • 56 • 63
GFT 13 T2 7000/1	13000	22.6 • 26.4 • 32.1	400	A6VE 55 • 60
GFT 13 T2 7000/2	13000	22.6 • 26.4 • 32.1	575	A6VE 55 / A2FE 45 • 56 • 63
GFT 17 T2 3000/1	17000	54	350	A6VE 55 / A10VE 63 / A2FE 45 • 56 • 63
GFT 17 T2 9000/SL	17000	37.6 • 45.4	-	A6VE 55
GFT 17 T3 1000	17000	77.9	250	A6VE 28 / A2FE 28
GFT 17 T3 9000/2 SL • 9000/3 SL	17000	77.9 • 88.2	-	A6VE 28
GFT 17 T3 9000/4 SL	17000	88.2	-	A10VE 45 / A10VEC 45
GFT 24 T3 1000	24000	90.1 • 102.6 • 120.5 • 137.2	300	A6VE 55 / A2FE 45 • 56 • 63
GFT 24 T3 5000	24000	120.5 • 137.2	250	A6VE 55 / A10VEC 45 / A2FE 45 • 56 • 63
GFT 24 T3 9000	24000	120.5 • 137.2	300	A10VEC 45
GFT 26 T2 1000	26000	42.9 • 50.5 • 62	715	A6VE 80
GFT 34 T2 4000	34000	42.9 • 50.5	-	A6VE 107
GFT 36 T3 3000/1	36000	115 • 138.8	715	A6VE 55 / A2FE 45 • 56 • 63
GFT 36 T3 3000/2	36000	115 • 138.8	715	A6VE 80 / A2FE 80 • 90

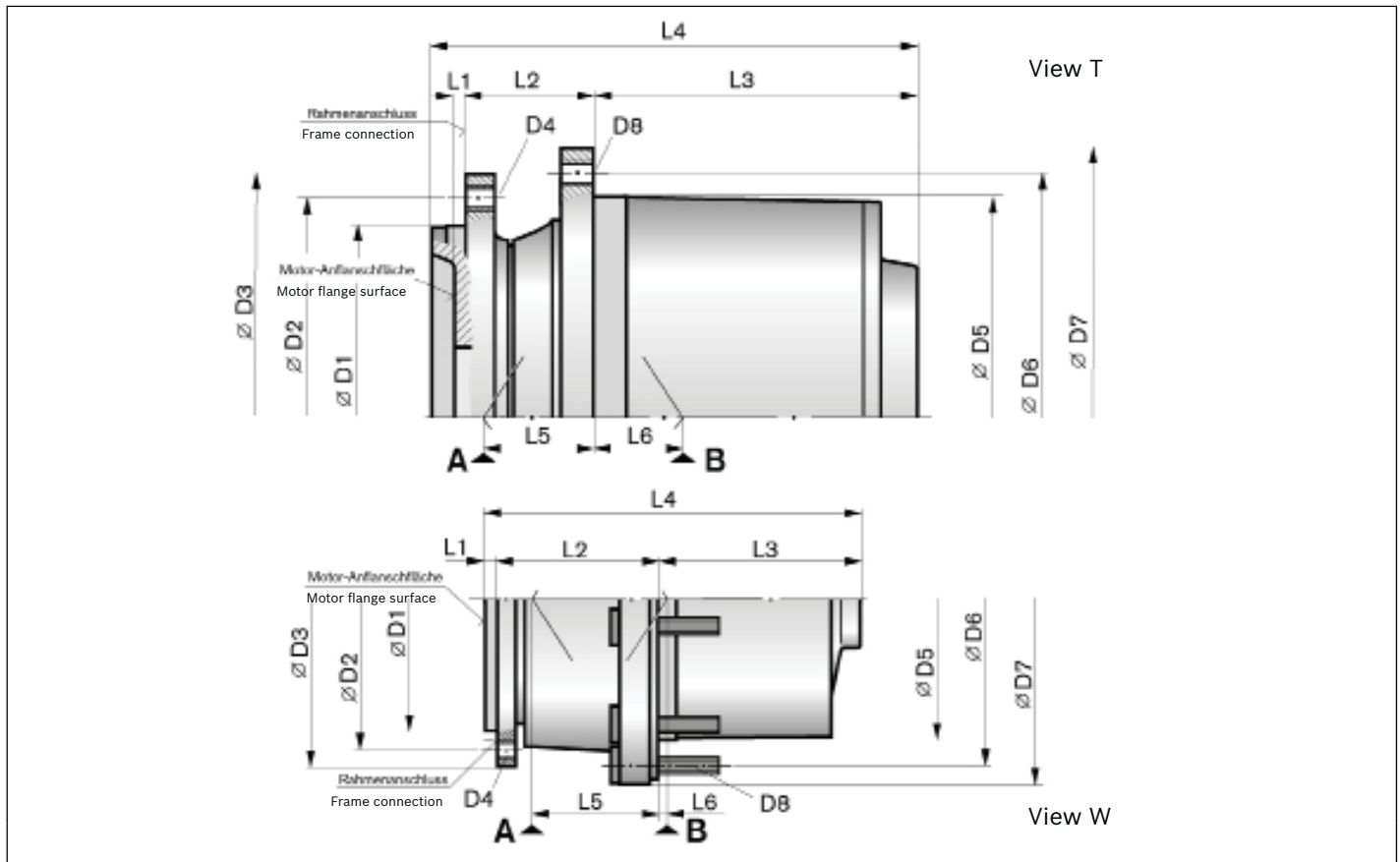
GFT 36 T3 3000/2 = index no. for different structural lengths, diameter or motor attachment

Dimensions, bearing load ratings and masses

Type/design variant GFT	D1	D2	D3	D4	D5	D6	D7	D8
	mm							
GFT 9 T2 3000	210	244	268	12x M14	230	260	284	16x M16
GFT 13 T2 4000/1	240	275	300	18x M16	270	305	335	16x M16
GFT 13 T2 4000/2	240	275	300	18x M16	270	305	335	16x M16
GFT 13 T2 7000/1	240	270	300	17x M16	280	335	372	10x M22x1.5
GFT 13 T2 7000/2	240	270	300	17x M16	280	335	372	10x M22x1.5
GFT 17 T2 3000/1	250	290	320	16x M20	280	305	330	16x M16
GFT 17 T2 9000/SL	250	305	330	18x M16	260	300	335	10x M22x1.5
GFT 17 T3 1000	240	320	300	18x M16	270	305	330	20x M16
GFT 17 T3 9000/2 SL	240	320	310	12x M16	260	300	335	20x M16
GFT 17 T3 9000/3 SL	250	330	330	18x M16 (S)	260	300	335	20x M16
GFT 17 T3 9000/4 SL	290	320	345	16x M16	324	364	390	15x M16
GFT 24 T3 1000	240	285	320	20x M20	280	305	330	20x M16 / 30x M16
GFT 24 T3 5000	240	275	304	18x M16	320	350	380	20x M16
GFT 24 T3 9000	290	320	345	16x M16	280	305	330	20x M16
GFT 26 T2 1000	270	310	350	16x M20	320	350	380	20x M16
GFT 34 T2 4000	410	380	420	20x ø18	325	381	420	12x M22x1.5
GFT 36 T3 3000/1	270	310	350	16x M20	320	350	380	20x M16x1.5
GFT 36 T3 3000/2	270	310	350	16x M20	320	350	380	20x M16x1.5

Type/design variant GFT	L1	L2	L3	L4	L5	L6	A + B	Mass	View	
	mm						C	Co	kg	
							kN			
GFT 9 T2 3000	-	60	149	232	18	64	132	255	50	T
GFT 13 T2 4000/1	8	75	149	232	49	54	140	290	85	T
GFT 13 T2 4000/2	30	75	149	254	49	54	140	290	85	T
GFT 13 T2 7000/1	8	90	136	234	64	39	140	290	92	W
GFT 13 T2 7000/2	14	90	146	261	85	60	191	394	92	W
GFT 17 T2 3000/1	8	82	152	242	78	69	108	142	90	T
GFT 17 T2 3000/1	8	82	155	245	56	47	140	290	90	W
GFT 17 T2 9000/SL	8	82	155	245	56	47	161	333	90	W
GFT 17 T3 1000	27	75	181	283	71	76	108	142	100	T
GFT 17 T3 9000/2 SL	8	75	184	267	49	54	140	290	95	W
GFT 17 T3 9000/3 SL	8	75	184	267	49	54	140	290	95	T
GFT 17 T3 9000/4 SL	14	84	201	299	71	76	108	142	95	T
GFT 24 T3 1000	8	82	189.5	279.5	56	47	140	290	95	T
GFT 24 T3 5000	16	82	209.5	307.5	56	47	140	290	110	T
GFT 24 T3 9000	16	82	209.5	307.5	56	47	140	290	100	T
GFT 26 T2 1000	20	90	220	330	58	50	186	400	145	T
GFT 34 T2 4000	12	151	226	389	60	62	399	806	170	W
GFT 36 T3 3000/1	15	90	200	333	56.5	56.5	170	405	125	T
GFT 36 T3 3000/2	10	90	200	300	56.5	56.5	170	405	125	T

Dimensions



View T = turas attachment possible, view W = wheel rim attachment

Technical data

Type/design variant GFT	Output torque $T_{2 \max}$ Nm	Gear ratio i	Holding torque $T_{Br \max}$ Nm	Hydraulic motor
GFT 40 T2 2000 SL	40000	35.9 • 41 • 48.3 • 59.1	800	A6VM 107 • 115 • 160 • 200
GFT 40 T2 9000	40000	35.9 • 41 • 48.3 • 59.1	800	A6VE 107 • 115 • 160
GFT 50 T3 1000/1	50000	84.2 • 91.1 • 125.7	800	A6VE 80 • 107
GFT 50 T3 1000/2	50000	84.2 • 91.1 • 125.7	800	A6VE 55 / A2FE 45 • 56 • 63
GFT 50 T3 3000	50000	73.9 • 91.1 • 125.7	800	A6VE 80 • 107
GFT 50 T3 9000 SL	50000	73.9 • 91.1 • 125.7	800	A6VE 80 / A2FE 80
GFT 50 T3 9000/2	50000	84.2 • 91.1	800	A6VE 80
GFT 50 T3 9000/3	50000	84.2 • 91.1 • 125.7	800	A2FE 63
GFT 60 T3 7000/1	60000	94.8 • 105.5 • 119.8 • 139.9 • 169.9	725	A6VE 80 • 107 / A2FE 80 • 90
GFT 65 T2 1000	65000	55.4	1060	A6VE 160
GFT 80 T3 1000 • 2000	80000	99 • 126.9 • 149.9 • 215	1025	A6VE 107 • 160 / A2FE 107 • 125
GFT 110 T3 1000	110000	95.8 • 114.8 • 173.9	1025	A6VE 107 • 160 / A2FE 107 • 125 • 160 • 180
GFT 110 T3 9000	110000	87.6 • 95.8 • 114.8 • 128.6 • 147.2 • 173.9	1100	A6VE 160 / A2FE 160
GFT 110 T3 9000 SL	110000	87.6 • 95.8 • 128.6 • 173.9	1100	A6VE 107 • 160 / A2FE 107 • 125

GFT 50 T3 9000/3 = index no. for different structural lengths, diameter or motor attachment

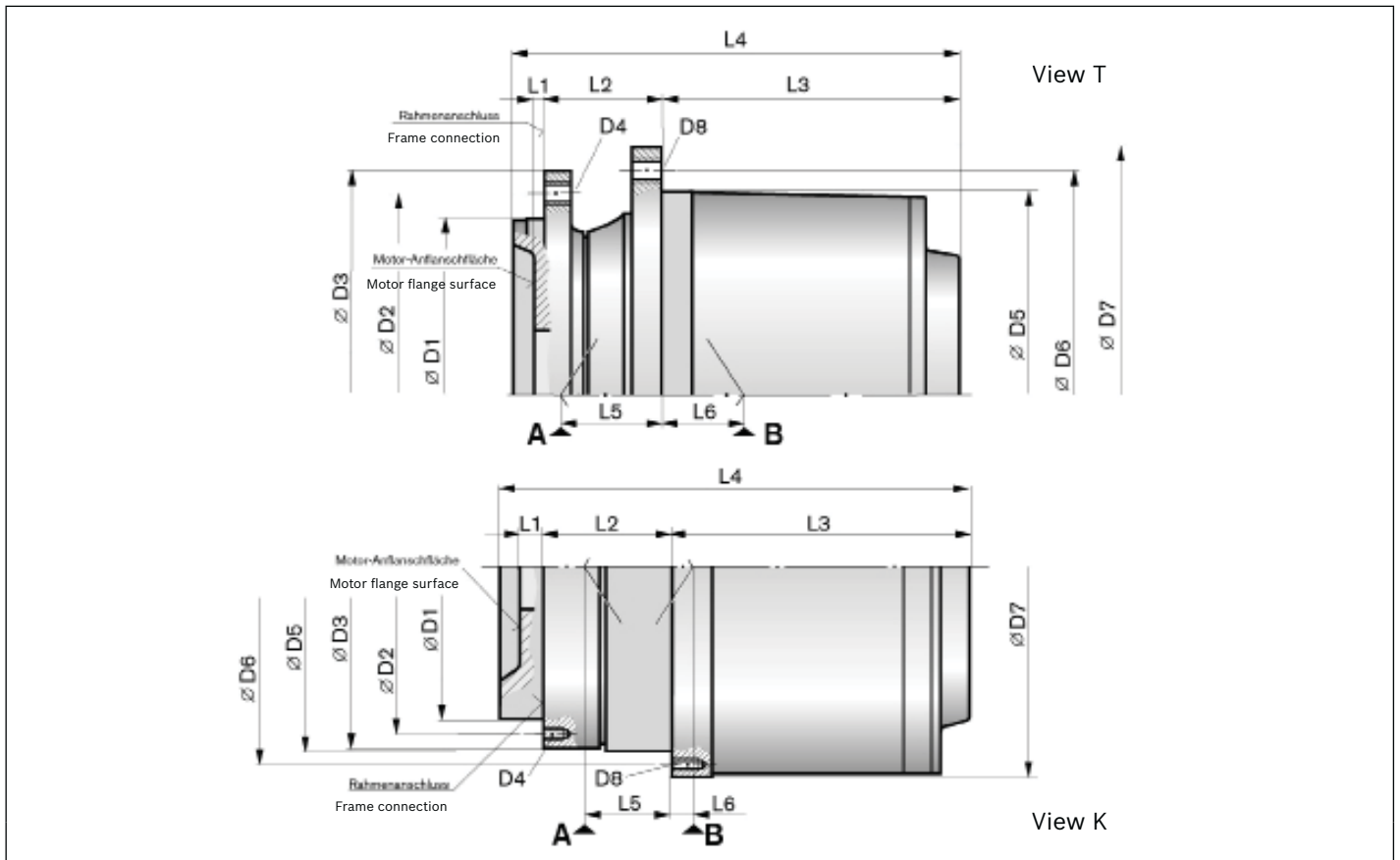
Dimensions, bearing load ratings and masses

Type/design variant GFT	D1	D2	D3	D4	D5	D6	D7	D8
	mm							
GFT 40 T2 2000 SL	330	370	410	20x M20	360	400	440	16x M20
GFT 40 T2 9000	330	370	410	20x M20	360	400	440	16x M20
GFT 50 T3 1000/1	270	310	350	18x M20x1.5	350	400	430	16x ø22
GFT 50 T3 1000/2	270	310	350	16x M20	350	400	430	16x M20x1.5
GFT 50 T3 3000	330	370	410	20x M20	360	400	440	16x M20
GFT 50 T3 9000 SL	270	310	350	16x M20	350	400	440	16x M20
GFT 50 T3 9000/2	330	370	408	16x M20	365	405	435	22x M16
GFT 50 T3 9000/3	270	310	350	16x M20	350	405	430	16x M20x1.5
GFT 60 T3 7000/1	330	370	410	20x M20x1.5	400	450	490	20x M20x1.5
GFT 65 T2 1000	380	430	480	20x M24	430	480	520	24x M24
GFT 80 T3 1000	420	460	500	24x M20	460	510	550	24x M20
GFT 80 T3 2000	380	430	480	20x M24	430	480	520	20x M24
GFT 110 T3 1000	420	460	500	24x M24x3	460	500	540	36x M18x1.5 ¹⁾
GFT 110 T3 9000	420	460	500	24x M24x3	460	500	530	36x M18x1.5
GFT 110 T3 9000 SL	460	520	570	24x M30	460	500	540	36x M18x1.5

¹⁾ option: 36x ø22

Type/design variant GFT	L1	L2	L3	L4	L5	L6	A + B		Mass	View
	mm						C	Co	kg	
							kN			
GFT 40 T2 2000 SL	25	114	237.5	376.5	87	38	A 393 B 473	A 881 B 895	210	W
GFT 40 T2 9000	25	90	261.5	376.5	38	73	212	290	140	T
GFT 50 T3 1000/1	39.5	82	281.5	403	56.5	54	212	400	150	T
GFT 50 T3 1000/2	20	82	281.5	383.5	56.5	54	212	400	145	T
GFT 50 T3 3000	25	114	276	415	62	48	212	400	150	T
GFT 50 T3 9000 SL	15	82	318	415	45.5	79.5	393	400	145	T
GFT 50 T3 9000/2	25	100.5	304	429.5	70.5	40	212	400	145	T
GFT 50 T3 9000/3	20	82	282	383.5	56.5	54	212	806	170	T
GFT 60 T3 7000/1	25	90	308	423	55	62	250	405	165	T
GFT 65 T2 1000	-	148	245	415	128	20	A 250 B 480	A 480 B 950	340	T
GFT 80 T3 1000	21.5	165	300	486.5	108	25	A 509 B 480	A 1080 B 950	370	T
GFT 80 T3 2000	22	148	295	465	112	18	B 480	B 950	350	T
GFT 110 T3 1000	-	165	305	491.5	107	25	A 509 B 480	A 1080 B 950	210	T
GFT 110 T3 9000	21.5	165	305	491.5	107	24	B 480	B 950	215	T
GFT 110 T3 9000 SL	45	170	316.5	529.5	154	34	710	1560	505	T

Dimensions



View T/K = turas attachment possible

Technical data

Type/design variant GFT	Output torque $T_{2 \max}$ Nm	Gear ratio i	Holding torque $T_{Br \max}$ Nm	Hydraulic motor
GFT 160 T3 1000 • 9000	160000	210.8 • 251	1020	A6VE 107 • 160 / A2FE 107 • 125 • 160 • 180
GFT 220 T3 2000	220000	67.7 • 97.7 • 188.9 • 246 • 293	1100	A6VE 160 / A2FE 160 • 180
GFT 220 T3 9000/2	220000	67,7 • 97,7	-	A6VM 355
GFT 220 R3 9000/3	220000	145.4	1400	A6VM 200 • 215
GFT 220 T3 9000/4	220000	365	1100	A6VE 160 / A2FE 160 • 180
GFT 330 T3 2000 • 3000	330000	168.9 • 209.9 • 252.0 • 302.4	2500	A6VE 250 / A2FE 355
GFT 330 T3 9000	330000	302.4	2500	A6VE 250 / A6VM 200
GFT 330 T4 1000 ²⁾	330000	826.6	-	-
GFT 330 T4 2000	330000	451.7	625	A6VE 160
GFT 450 T4 1000/1	450000	421.7	1450	A6VE 250 / A2FE 250

GFT 220 T3 9000/4 = index no. for different structural lengths, diameter or motor attachment

²⁾ Gearbox with angle gear stage on input side

Dimensions, bearing load ratings and masses

Type/design variant GFT	D1	D2	D3	D4	D5	D6	D7	D8
	mm							
GFT 160 T3 1000	450	510	560	20xM30	535	600	650	30x M24x2
GFT 160 T3 9000	450	510	560	30x M24x2	535	600	650	30x M24x2
GFT 220 T3 2000	460	600	650	30x M30	610	680	735	24x M30
GFT 220 T3 9000/2	460	520	570	24x M30	610	680	735	24x ø33
GFT 220 R3 9000/3	460	600	650	30x M30	610	680	735	24x M30
GFT 220 T3 9000/4	450	515	568	29x M36x3	570	620	670	42x M30x2
GFT 330 T3 2000	580	680	735	30x M30	660	730	785	30x M30
GFT 330 T3 3000	580	680	735	30x M30	660	730	785	30x M30
GFT 330 T3 9000	450	515	568	32x M30x2	570	620	670	44x M24x2
GFT 330 T4 1000	580	680	735	30x M30	660	730	785	30x M30
GFT 330 T4 2000	580	680	735	30x M30	660	730	785	30x M30
GFT 450 T4 1000/1	450	515	568	29x M36x1.5	570	620	670	42x M30x1.5

Type/design variant GFT	L1	L2	L3	L4	L5	L6	A + B		Mass	View
	mm						C	Co	kg	
							kN			
GFT 160 T3 1000	30	168	340	538	138	26	688	1520	680	T
GFT 160 T3 9000	30	168	340	538	138	26	688	1520	680	T
GFT 220 T3 2000	45	170	350	565	155	35	710	1560	680	T
GFT 220 T3 9000/2	45	170	350	565	155	35	710	1560	850	T
GFT 220 R3 9000/3	45	170	350	565	155	35	710	1560	850	T
GFT 220 T3 9000/4	-	255	305	-	190	17	710	1560	880	K
GFT 330 T3 2000	150	125	400	675	190	25	1040	2450	1250	T
GFT 330 T3 3000	87	188	400	675	190	25	1040	2450	1230	T
GFT 330 T3 9000	45	253	442	740	178	37	1040	2450	1210	K
GFT 330 T4 1000	-	188	430	1175	190	25	1040	2450	1410	-
GFT 330 T4 2000	-	188	400	675	190	25	1040	2450	1320	T
GFT 450 T4 1000/1	13	255	512	810	175	19	1040	2450	1240	K

You wish to receive an offer for a HYDROTRAC GFT as a wheel drive?

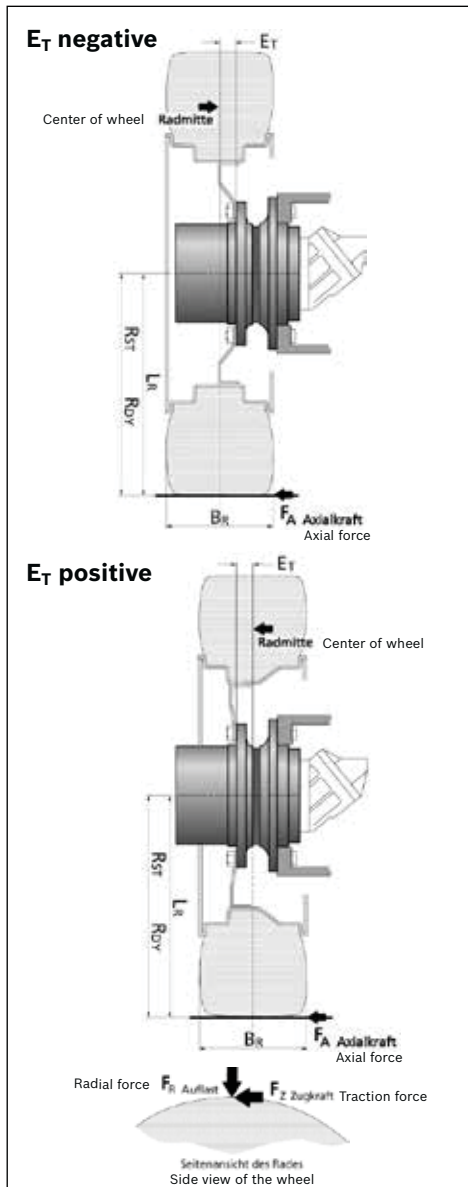
To process your request we need the following data:
E-mail: info.gears@boschrexroth.de

Please enclose existing drawings, diagrams, comments and the like.

Company: _____
Name/Dept.: _____
Place: _____
Phone: _____
E-mail: _____
Date: _____

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Completing all fields is mandatory!
Exceptions see footnotes.



Type of machine _____

Machine weight empty _____ loaded _____ t
Number of driven wheels _____
Max. traction force of machine F_Z _____ N
Gradeability ¹⁾ s _____ %
Total number of wheels _____
Tyre radius
- static R_{ST} _____ mm
- dynamic R_{DY} _____ mm
Max. travel speed V_{max} _____ km/h
Working speed V _____ km/h
Ambient temperature from/to _____ °C
Tyre width B_R _____ mm
Wheel rim diameter ¹⁾ D_F _____ inch
Wheel offset E_T _____ mm
Center diameter / wheel rim ¹⁾ _____ mm
Bolt circle diameter / wheel rim ¹⁾ _____ mm
Wheel stud diameter ¹⁾ _____ mm
Number of studs ¹⁾ _____
Radial force each drive F_R _____ N
Axial force each drive F_A _____ N

Techn. gearbox data

Selected gearbox type GFT _____
Max. output torque $T_{2 max}$ _____ kNm
Max. output speed $n_{2 max}$ _____ 1/min
Gear ratio ¹⁾ i _____
Disconnect mechanism no yes
Multi-disc parking brake yes no
Min. parking torque of multi-disc parking brake _____ Nm
Release pressure, max. P_{max} _____ bar
Release pressure, min. ¹⁾ P_{min} _____ bar
Dynamic brake yes no
Top coat specific no yes
Color RAL _____

¹⁾ Optional entry

You wish to receive an offer for a HYDROTRAC GFT as a wheel drive?

To process your request we need the following data:
 E-mail: info.gears@boschrexroth.de

Please enclose existing drawings, diagrams, comments and the like.

Company: _____
 Name/Dept.: _____
 Place: _____
 Phone: _____
 E-mail: _____
 Date: _____

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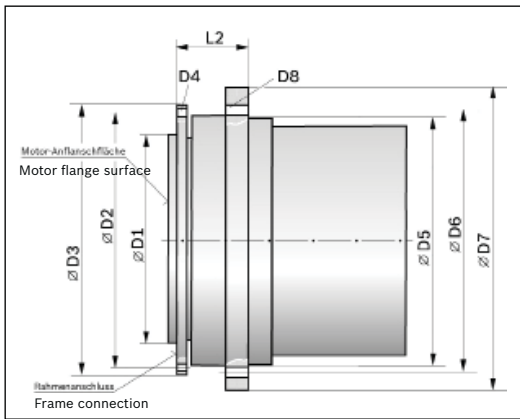
Required load spectrum and expected service life ¹⁾

condition	output torque (Nm)	radial load (N)	output speed (1/min)	time slice (%)
1				
2				
3				
4				

Estimated service life _____ \sum h

Dimensions of gearbox

- Standard dimensions see available "technical data sheet" of Rexroth
- With differing requirements/ dimensions, please complete table



D1 _____ mm
 D2 _____ mm
 D3 _____ mm
 D4 No. of thread _____ Pcs. _____
 D5 _____ mm
 D6 _____ mm
 D7 _____ mm
 D8 No. of thread _____ Pcs. _____
 L2 _____ mm

Tech. basic data of hydraulic motor

Hydraulic circuit open closed
 Motor type code _____
 Displacement $V_{g \text{ min}}$ _____ cm^3
 Displacement $V_{g \text{ max}}$ _____ cm^3
 Flushing valve yes no
 Speed sensor, if yes: type yes, type _____ no
 Counter balance valve yes no
 Pressure relief valve yes no
 Pressure relief valve setting _____ bar
 Working pressure Δp _____ bar
 Input flow, max. $q_{v \text{ max}}$ _____ l/min

¹⁾ Optional entry

12 **HYDROTRAC GFT** | Hydrostatic drives
Customer specification wheel application

**You wish to receive an offer for a
HYDROTRAC GFT as a wheel drive?**

To process your request
we need the following data:
E-mail: info.gears@boschrexroth.de

Please enclose existing drawings, diagrams,
comments and the like.

Company: _____
Name/Dept.: _____
Place: _____
Phone: _____
E-mail: _____
Date: _____

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Estimated Number of transmission units per year ¹⁾ _____

Price range ¹⁾ _____

Requested ship date RSD ¹⁾ _____

Special application conditions _____

Further customer-specific requirements _____

Are there any legal requirements and/or standards to be considered?

no yes if yes, please specify _____

Other (e.g. load spectra, application-relevant data, customer drawings, name plate):

¹⁾ Optional entry

You wish to receive an offer for a HYDROTRAC GFT as a chain drive?

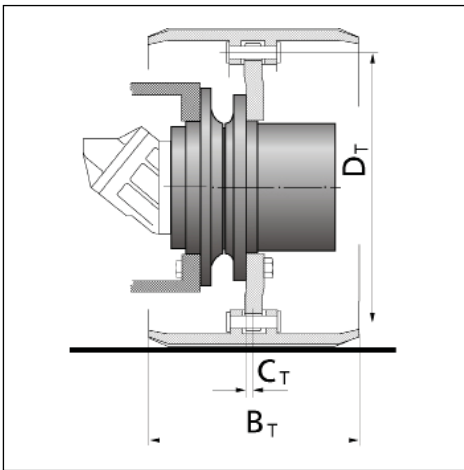
To process your request we need the following data:
E-mail: info.gears@boschrexroth.de

Please enclose existing drawings, diagrams, comments and the like.

Company: _____
Name/Dept.: _____
Place: _____
Phone: _____
E-mail: _____
Date: _____

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Completing all fields is mandatory!
Exceptions see footnotes.



Type of machine _____

Machine weight empty _____ loaded _____ t
Max. traction force of machine F_z _____ N
Gradeability ¹⁾ s _____ %
Track type Rubber track Steel track
Sprocket pitch diameter D_T _____ mm
Track width ¹⁾ B_T _____ mm
Radial load lever arm C_T _____ mm
Max. travel speed V_{max} _____ km/h
Working speed ¹⁾ V _____ km/h
Ambient temperature from/to _____ °C

Required load spectrum and expected service life ¹⁾

status	output torque (Nm)	output speed (1/min)	time slice (%)
1			
2			
3			
4			

Estimated service life _____ Σ h

Technical data gearbox

Selected gearbox type GFT _____
Max. output torque T_{2max} _____ kNm
Max. output speed n_{2max} _____ 1/min
Gear ratio ¹⁾ i _____
Disconnect mechanism no yes
Multi-disc parking brake yes no
Min. parking torque of multi-disc parking brake _____ Nm
Release pressure, max. P_{max} _____ bar
Release pressure, min. ¹⁾ P_{min} _____ bar
Top coat specific no yes
Color RAL _____

¹⁾ Optional entry

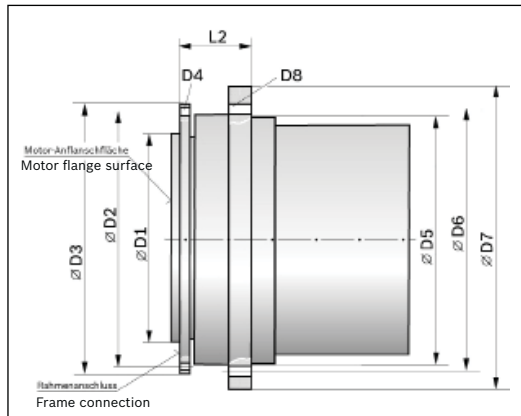
**You wish to receive an offer for a
HYDROTRAC GFT as a chain drive?**

To process your request
we need the following data:
E-mail: info.gears@boschrexroth.de

Please enclose existing drawings, diagrams,
comments and the like.

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Name/Dept.: _____
Place: _____
Phone: _____
E-mail: _____
Date: _____

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- Standard dimensions see available "technical data sheet" of Rexroth
- With differing requirements/ Dimensions, please complete table

D1		_____ mm
D2		_____ mm
D3		_____ mm
D4	No. of thread	___ Pcs. _____
D5		_____ mm
D6		_____ mm
D7		_____ mm
D8	No. of thread	___ Pcs. _____
L2		_____ mm

Tech. basic data of hydraulic motor

Hydraulic circuit open closed
 Motor type code _____
 Displacement $V_{g \text{ min}}$ _____ cm^3
 Displacement $V_{g \text{ max}}$ _____ cm^3
 Flushing valve yes no
 Speed sensor, if yes: type yes, type _____ no
 Counter balance valve yes no
 Pressure relief valve yes no
 Pressure relief valve setting _____ bar
 Working pressure Δp _____ bar
 Input flow, max. $q_{v \text{ max}}$ _____ l/min

¹⁾ Optional field

**You wish to receive an offer for a
HYDROTRAC GFT as a chain drive?**

To process your request
we need the following data:
E-mail: info.gears@boschrexroth.de

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Name/Dept.: _____
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Page 3/3

Estimated Number of transmission units per year ¹⁾ _____

Price range ¹⁾ _____

Requested ship date RSD ¹⁾ _____

Special application conditions _____

Further customer-specific requirements _____

Are there any legal requirements and/or standards to be considered?

no yes if yes, please specify _____

Other (e.g. load spectra, application-relevant data, customer drawings, name plate):

¹⁾ Optional entry

You wish to receive an offer for a HYDROTRAC GFT as a drum drive?

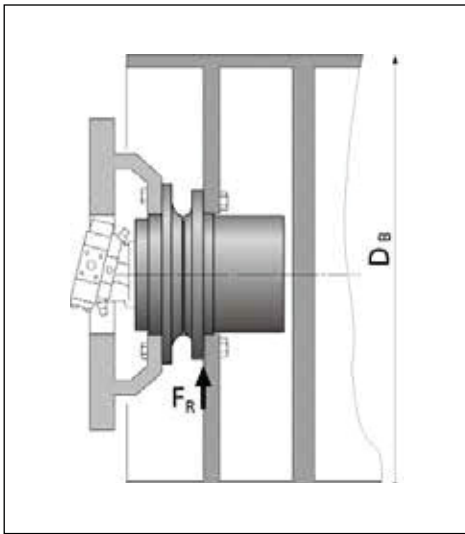
To process your request we need the following data:
E-mail: info.gears@boschrexroth.de

Please enclose existing drawings, diagrams, comments and the like.

Company: _____
Name/Dept.: _____
Place: _____
Phone: _____
E-mail: _____
Date: _____

Page 1/3

Completing all fields is mandatory!
Exceptions see footnotes.



Type of machine

Machine weight _____ t
Required total traction force _____ N
Drive for _____
Drum _____
Drum diameter _____ mm
Rear wheel diameter _____ mm
Reduction rear axle ¹⁾ _____
Weight distribution front _____ rear _____ t
Radial force drum _____ N
Max. travel speed _____ km/h
Output speed, drum _____ 1/min
Gradeability _____ %
Ambient temperature from/to _____ °C

Tandem roller Road roller
 Other _____
_____ t
_____ N
 Drum Rear wheels
Tamping plate: with without
 D_B _____ mm
 D_R _____ mm
 i _____
front _____ rear _____ t
 F_R _____ N
 V_{max} _____ km/h
 n_2 _____ 1/min
 s _____ %
from/to _____ °C

Required load spectrum and expected service life ¹⁾

status	output torque (Nm)	output speed (1/min)	time slice (%)
1			
2			
3			
4			

Estimated service life _____ Σ h

Technical data gearbox

Selected gearbox type _____
Max. output torque _____ kNm
Max. output speed _____ 1/min
Reduction drum drive ¹⁾ _____
Multi-disc parking brake yes no
Min. parking torque of multi-disc parking brake _____ Nm
Release pressure, max. _____ bar
Release pressure, min. ¹⁾ _____ bar
Top coat specific no yes
Color _____

GFT _____
 $T_{2 max}$ _____ kNm
 $n_{2 max}$ _____ 1/min
 i _____
 yes no
_____ Nm
 P_{max} _____ bar
 P_{min} _____ bar
 no yes
RAL _____

* For wheel drive, please use "Customer specification wheel application" (pages 10-12).

¹⁾ Optional entry

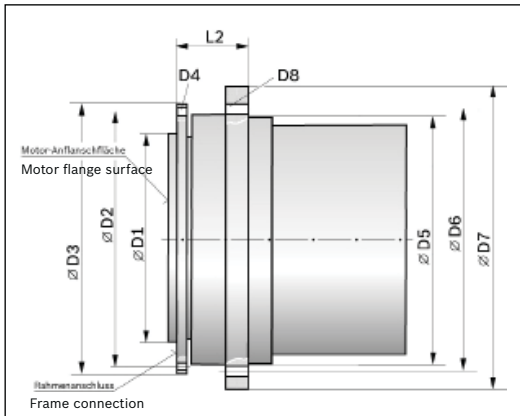
You wish to receive an offer for a HYDROTRAC GFT as a drum drive?

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 E-mail: _____
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Dimensions of gearbox

- Standard dimensions see available "technical data sheet" of Rexroth
- With differing requirements/Dimensions, please complete table

D1		_____ mm
D2		_____ mm
D3		_____ mm
D4	No. of thread	___ Pcs. _____
D5		_____ mm
D6		_____ mm
D7		_____ mm
D8	No. of thread	___ Pcs. _____
L2		_____ mm

Tech. basic data of hydraulic motor

Hydraulic circuit

Motor type code

Displacement

Displacement

Flushing valve

Speed sensor

If yes: type

Brake valve

Pressure relief valve

Pressure relief valve setting

Working pressure

Input flow, max.

front:

open closed

$V_{g \text{ min}}$ _____ cm^3

$V_{g \text{ max}}$ _____ cm^3

yes no

yes no

type _____

yes no

yes no

_____ bar

Δp _____ bar

$q_{v \text{ max}}$ _____ l/min

rear:

open closed

$V_{g \text{ min}}$ _____ cm^3

$V_{g \text{ max}}$ _____ cm^3

yes no

yes, no

type _____

yes no

yes no

_____ bar

Δp _____ bar

$q_{v \text{ max}}$ _____ l/min

¹⁾ Optional field

18 **HYDROTRAC GFT** | Hydrostatic drives
Customer specification drum application

**You wish to receive an offer for a
HYDROTRAC GFT as a drum drive?**

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Estimated Number of transmission units per year ¹⁾ _____

Price range ¹⁾ _____

Requested ship date RSD ¹⁾ _____

Special application conditions _____

Further customer-specific requirements _____

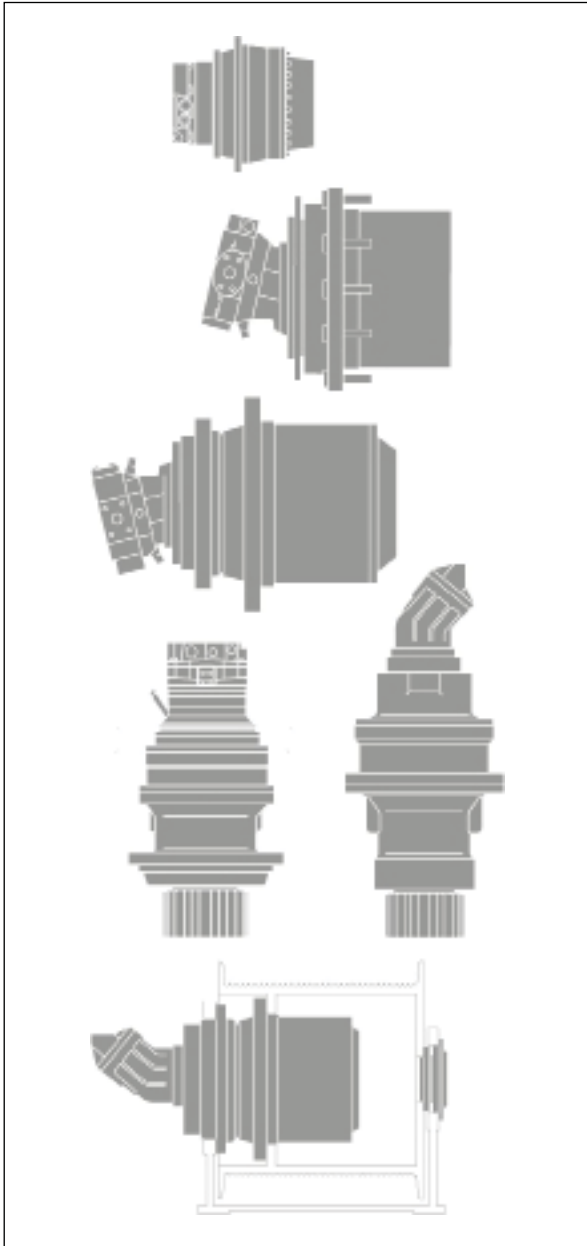
Are there any legal requirements and/or standards to be considered?

no yes if yes, please specify _____

Other (e.g. load spectra, application-relevant data, customer drawings, name plate):

¹⁾ Optional entry

Planetary gearboxes for mobile units



Hydrostatic travel drives

- **HYDROTRAC GFT**
For fixed- or variable-displacement motors
Output torques between 9,5 and 580 kNm
Data sheet RE 77110
- **HYDROTRAC GFT 2000**
Series 30
Output torques between 13,5 and 42,5 kNm
Data sheet RE 77116
- **HYDROTRAC GFT 8000**
Series 30
Output torques between 20 and 30 kNm
Data sheet RE 77128
- **HYDROTRAC GFT 8000**
Series 40
Output torques between 10 and 130 kNm
Data sheet RE 77117
- **HYDROTRAC GFT 45 T2/T3**
Output torques max. 45 kNm
Data sheet RE 77115

Hydrostatic swing drives

- **MOBILEX GFB**
For fixed- or variable-displacement motors
Output torques between 4 and 68,3 kNm
Data sheet RE 77201
- **MOBILEX GFB 2000**
Series 20
Output torques between 4 and 14,5 kNm
Data sheet RE 77206

Hydrostatic winch gears

- **MOBILEX GFT-W**
For fixed- or variable-displacement motors
Output torques between 14 and 325 kNm
Data sheet RE 77502

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