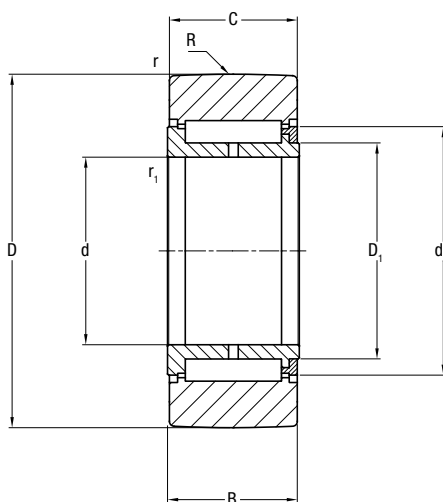


FULL COMPLEMENT ROLLERS

FGU LIGHT SERIES

3.7

Full complement rollers with outer diameter
from 35 to 270 mm



Ø outer D mm	Designation ¹⁾	d ²⁾ mm	B mm	C mm	D ₁ mm	d _A ³⁾ mm	r mm	r ₁ mm	R ⁴⁾ mm
	FGU, FGU ..MM								
35	15 35	15	19	18	19	25.4	1	0.3	320
40	17 40	17	21	20	22	28	1	0.3	400
47	20 47	20	25	24	25.8	33.5	1	0.3	500
52	25 52	25	25	24	30	38.2	1	0.3	500
62	30 62	30	29	28	36.8	45.9	1	0.3	640
72	35 72 ⁵⁾	35	29	28	44	53.6	1	0.6	640
80	40 80 ⁵⁾	40	32	30	49.5	59.3	1	0.6	800
85	45 85 ⁵⁾	45	32	30	54	63.1	1.5	0.6	800
90	50 90 ⁵⁾	50	32	30	59.5	68.8	1.5	0.6	800
100	55 100 ⁵⁾	55	36	34	64	75.8	1.5	0.6	800
110	60 110 ⁵⁾	60	36	34	69.5	81.5	1.5	0.6	800
120	65 120 ⁵⁾	65	42	40	74.5	86.7	2	0.6	900
125	70 125	70	42	40	79.6	91.8	2	0.6	900
130	75 130 ⁵⁾	75	42	40	84	97	2	0.6	900
140	80 140 ⁵⁾	80	48	46	90	102	2	1	1000
150	85 150 ⁵⁾	85	48	46	94	108.5	2	1	1000
160	90 160 ⁵⁾	90	54	52	100	114.7	2	1	1200
170	95 170 ⁵⁾	95	54	52	106.7	121.2	2	1	1200
180	100 180 ⁵⁾	100	65	63	113	127.6	2	1.5	1400
200	110 200 ⁵⁾	110	65	63	122	137	3	1.5	1400
215	120 215 ⁵⁾	120	65	63	132	149.3	3	1.5	1400
230	130 230 ⁵⁾	130	78	75	143	160.6	3	1.5	1600
250	140 250 ⁵⁾	140	78	75	151	168	3	1.5	1600
270	150 270 ⁵⁾	150	78	75	162	179.5	3	1.5	1600

1) Cam follower without stud designation:

FGU.. Cam follower without stud with optimised outer profile ring and no seals

FGU ..MM With metal seals (e.g. FGU 35 72 MM)

FGUL.. Cam follower with cylindrical outer ring

FULL COMPLEMENT ROLLERS

FGU LIGHT SERIES

3.7



C _w	Load coefficients (N)		Speed limit greasing (min ⁻¹)	Weight Kg	Designation ¹⁾
	Din. F _r	Stat. F _{or}			FGU, FGU ..MM
15000	8100	13000	2200	0.099	15 35
19000	15000	21000	2000	0.142	17 40
28000	25000	30000	1800	0.239	20 47
27000	17000	28000	1500	0.276	25 52
41000	22000	36000	1200	0.461	30 62
52000	46000	67000	1100	0.629	35 72 ⁵⁾
59000	50000	72000	1000	0.831	40 80 ⁵⁾
59000	38000	62000	890	0.895	45 85 ⁵⁾
61000	38000	62000	830	0.963	50 90 ⁵⁾
72000	37000	60000	730	1.35	55 100 ⁵⁾
90000	70000	110000	700	1.672	60 110 ⁵⁾
110000	89000	140000	640	2.364	65 120 ⁵⁾
110000	84000	140000	600	2.48	70 125
110000	79000	130000	670	2.611	75 130 ⁵⁾
140000	120000	190000	540	3.52	80 140 ⁵⁾
140000	130000	200000	500	4.077	85 150 ⁵⁾
180000	160000	260000	480	5.227	90 160 ⁵⁾
190000	180000	290000	460	5.943	95 170 ⁵⁾
240000	240000	390000	430	8.178	100 180 ⁵⁾
260000	290000	470000	390	10.343	110 200 ⁵⁾
280000	320000	510000	370	11.782	120 215 ⁵⁾
350000	340000	550000	340	15.859	130 230 ⁵⁾
380000	400000	650000	310	19.034	140 250 ⁵⁾
430000	590000	810000	310	20.014	150 270 ⁵⁾

2) Recommended diameter for pivot: h5

3) Minimum recommended abutment support diameter in the event of excessive axial load or if there are vibrations

4) Convex radius in the central part to contact pressure calculation

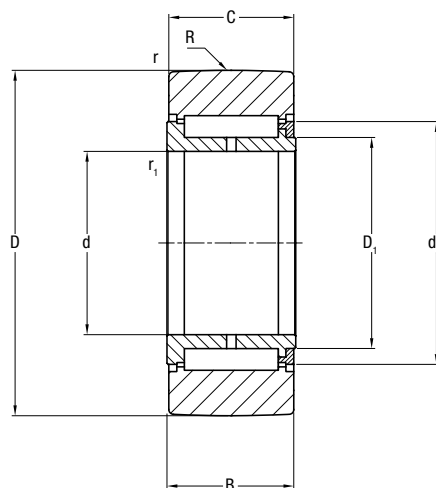
5) Product available on request

FULL COMPLEMENT ROLLERS

FGU HEAVY SERIES

3.8

Full complement rollers with outer diameter
from 42 to 320 mm.



Ø outer D mm	Designation ¹⁾	d ²⁾ mm	B mm	C mm	D ₁ mm	d _A ³⁾ mm	r mm	r ₁ mm	R ⁴⁾ mm
	FGU, FGU ..MM								
42	15 42	15	19	18	19	25.4	1	0.3	320
47	17 47	17	21	20	22	28	1	0.3	400
52	20 52	20	25	24	25.8	33.5	1	0.3	500
62	25 62	25	25	24	30	38.2	1	0.3	500
72	30 72	30	29	28	36.8	45.9	1	0.3	640
80	35 80	35	29	28	44	53.6	1	0.6	640
90	40 90 ⁵⁾	40	32	30	49.5	59.3	1	0.6	800
100	45 100	45	32	30	54	63.1	1.5	0.6	800
110	50 110	50	32	30	59.5	68.8	1.5	0.6	800
120	55 120	55	36	34	64	75.8	1.5	0.6	800
130	60 130	60	36	34	69.5	81.5	1.5	0.6	800
140	65 140	65	42	40	74.5	86.7	2	0.6	900
150	70 150	70	42	40	79.6	91.8	2	0.6	900
160	75 160 ⁵⁾	75	42	40	84	97	2	0.6	900
170	80 170	80	48	46	90	102	2	1	1000
180	85 180 ⁵⁾	85	48	46	94	108.5	2	1	1000
190	90 190 ⁵⁾	90	54	52	100	114.7	2	1	1200
200	95 200	95	54	52	106.7	121.2	2	1	1200
215	100 215	100	65	63	113	127.6	2	1.5	1400
240	110 240 ⁵⁾	110	65	63	122	137	3	1.5	1400
260	120 260 ⁵⁾	120	65	63	132	149.3	3	1.5	1400
280	130 280 ⁵⁾	130	78	75	143	160.6	3	1.5	1600
300	140 300	140	78	75	151	168	3	1.5	1600
320	150 320 ⁵⁾	150	78	75	162	179.5	3	1.5	1600

1) Cam follower without stud designation

FGU.. Cam follower without stud with optimised outer profile ring and no seals

FGU ..MM With metal seals e.g. FGU 35 80 MM

FGUL.. Cam follower without stud with cylindrical outer ring

FULL COMPLEMENT ROLLERS

FGU HEAVY SERIES

3.8



C _w	Load coefficients (N)		Speed limit greasing (min ⁻¹)	Weight Kg	Designation ¹⁾
	Din F _r	Stat. F _{or}			FGU, FGU ..MM
23000	26000	26000	2200	0.16	15 42
25000	30000	30000	2000	0.22	17 47
34000	40000	40000	1800	0.31	20 52
39000	50000	50000	1500	0.45	25 62
58000	70000	76000	1200	0.7	30 72
64000	88000	88000	1100	0.73	35 80
74000	98000	98000	1000	1.13	40 90 ⁵⁾
83000	120000	120000	890	1.4	45 100
90000	130000	130000	830	1.7	50 110
110000	150000	160000	730	2.27	55 120
120000	180000	180000	700	2.68	60 130
140000	220000	220000	640	3.6	65 140
150000	240000	240000	600	4.17	70 150
150000	260000	260000	570	4.75	75 160 ⁵⁾
180000	330000	330000	540	6.16	80 170
190000	350000	350000	500	6.87	85 180 ⁵⁾
240000	400000	400000	480	8.57	90 190 ⁵⁾
250000	420000	420000	460	9.5	95 200
310000	570000	570000	430	13.54	100 215
330000	630000	630000	390	13.95	110 240 ⁵⁾
350000	670000	670000	370	21.19	120 260 ⁵⁾
460000	860000	860000	340	27.63	130 280 ⁵⁾
480000	910000	910000	310	31.73	140 300
500000	930000	930000	310	35.97	150 320 ⁵⁾

2) Recommended diameter for pivot: h5

3) Minimum recommended abutment support diameter in the event of excessive axial load or if there are vibrations

4) Convex radius in the central part to contact pressure calculation

5) Product available on request