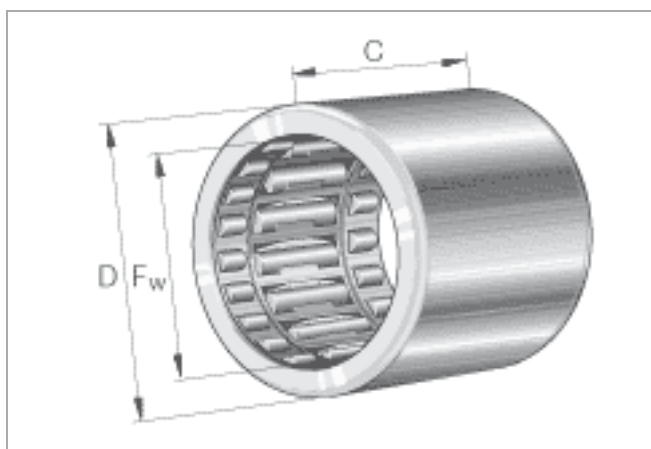




Drawn cup roller clutches HFL

with plain or rolling bearing arrangement, steel springs

The datasheet is only an overview of dimensions and basic load ratings for the selected series. Please ensure that you note all the guidance in these overview pages. Further information is given on many products under the menu item "Description". You can also obtain comprehensive information material via Catalogue selection (<http://www.ina.de/content.ina.de/en/services/mediathek/library/library.jsp>), by e-mail (kataloge@de.ina.com) or telephone +49 (91 32) 82 - 28 97.



	F _w mm	D mm	C mm
HFL0615	6	10	15
HFL0822	8	12	22
HFL1022	10	14	22
HFL1226	12	18	26
HFL1426	14	20	26
HFL1626	16	22	26
HFL1826	18	24	26
HFL2026	20	26	26
HFL2530	25	32	30
HFL3030	30	37	30
HFL3530	35	42	30
	F _w mm	D mm	C mm

Figure 1

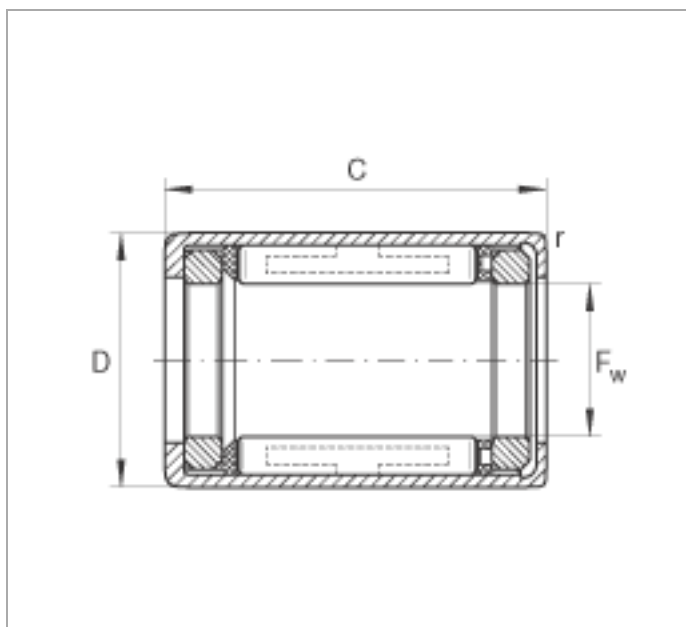
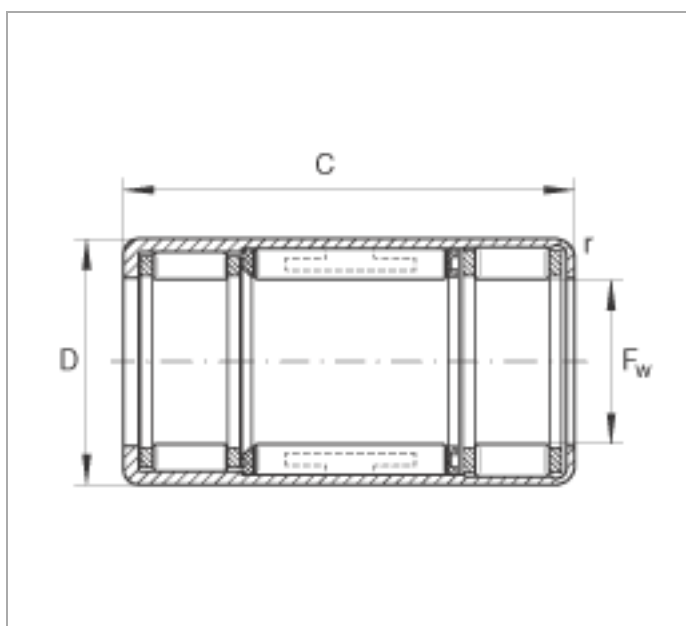


Figure 2



HFL0615

Figure 1

F_w	6 mm	
D	10 mm	
C	15 mm	Tolerance: -0,3
r_{min}	0,3 mm	
Drawn cup roller clutches with plain bearing arrangement		
m	4 g	Mass
$M_{d\ zul}$	1,76 Nm	Permissible torque
n_{GW}	23000 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n_{GA}	13000 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
$F_{r\ max}$	110 N	Maximum permissible radial load
$(F_r \cdot n)_{max}$	18000 N/min	Limiting load
Attention! Drawn cup roller clutches with plain bearings: During operation, the product of the actual speed n and radial load F_r must not exceed the value stated for the limiting load $(F_r \cdot n)_{max}$. The operating limits are determined by the stated limiting speeds and the permissible radial load.		

HFL0822

Figure 2

F _w	8 mm	
D	12 mm	
C	22 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	7 g	Mass
M _{d zul}	3,15 Nm	Permissible torque
n _{GW}	17000 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	12000 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	3650 N	Basic dynamic load rating, radial
C _{0r}	3950 N	Basic static load rating, radial
C _{ur}	550 N	Fatigue limit load, radial

HFL1022

Figure 2

F _w	10 mm	
D	14 mm	
C	22 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	8 g	Mass
M _{d zul}	5,3 Nm	Permissible torque
n _{GW}	14000 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	11000 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	3950 N	Basic dynamic load rating, radial
C _{0r}	4500 N	Basic static load rating, radial
C _{ur}	630 N	Fatigue limit load, radial

HFL1226

Figure 2

F _w	12 mm	
D	18 mm	
C	26 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	18 g	Mass
M _{d zul}	12,2 Nm	Permissible torque
n _{GW}	11000 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	8000 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	6300 N	Basic dynamic load rating, radial
C _{0r}	6700 N	Basic static load rating, radial
C _{ur}	920 N	Fatigue limit load, radial

HFL1426

Figure 2

F _w	14 mm	
D	20 mm	
C	26 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	20 g	Mass
M _{d zul}	17,3 Nm	Permissible torque
n _{GW}	9500 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	8000 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	6800 N	Basic dynamic load rating, radial
C _{0r}	7800 N	Basic static load rating, radial
C _{ur}	1080 N	Fatigue limit load, radial

HFL1626

Figure 2

F _w	16 mm	
D	22 mm	
C	26 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	22 g	Mass
M _{d zul}	20,5 Nm	Permissible torque
n _{GW}	8500 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	7500 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	7400 N	Basic dynamic load rating, radial
C _{0r}	9000 N	Basic static load rating, radial
C _{ur}	1250 N	Fatigue limit load, radial

HFL1826

Figure 2

F _w	18 mm	
D	24 mm	
C	26 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	25 g	Mass
M _{d zul}	24,1 Nm	Permissible torque
n _{GW}	7500 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	7500 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	8000 N	Basic dynamic load rating, radial
C _{0r}	10200 N	Basic static load rating, radial
C _{ur}	1420 N	Fatigue limit load, radial

HFL2026

Figure 2

F _w	20 mm	
D	26 mm	
C	26 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	27 g	Mass
M _{d zul}	28,5 Nm	Permissible torque
n _{GW}	7000 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	6500 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	8500 N	Basic dynamic load rating, radial
C _{0r}	11400 N	Basic static load rating, radial
C _{ur}	1590 N	Fatigue limit load, radial

HFL2530

Figure 2

F _w	25 mm	
D	32 mm	
C	30 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	44 g	Mass
M _{d zul}	66 Nm	Permissible torque
n _{GW}	5500 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	5500 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	10600 N	Basic dynamic load rating, radial
C _{0r}	14000 N	Basic static load rating, radial
C _{ur}	1900 N	Fatigue limit load, radial

HFL3030

Figure 2

F _w	30 mm	
D	37 mm	
C	30 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	51 g	Mass
M _{d zul}	90 Nm	Permissible torque
n _{GW}	4500 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	4500 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	11600 N	Basic dynamic load rating, radial
C _{0r}	16900 N	Basic static load rating, radial
C _{ur}	2290 N	Fatigue limit load, radial

HFL3530

Figure 2

F _w	35 mm	
D	42 mm	
C	30 mm	Tolerance: -0,3
r _{min}	0,3 mm	
Drawn cup roller clutches with rolling bearing arrangement.		
m	58 g	Mass
M _{d zul}	121 Nm	Permissible torque
n _{GW}	3900 1/min	Limiting speed with rotating shaft (valid for grease and oil lubrication)
n _{GA}	3900 1/min	Limiting speed with rotating outer ring (valid for grease and oil lubrication)
C _r	12200 N	Basic dynamic load rating, radial
C _{0r}	18800 N	Basic static load rating, radial
C _{ur}	2550 N	Fatigue limit load, radial