



Technical datasheet

HMK4520

Drawn cup needle roller bearings, opened end

Needle roller bearing, drawn cup, open end, heavy load

Visual(s)



Product definition	
Fw	45 mm
D	55 mm
C	20 mm
Dw	4 mm
Lw	14.8 mm
Lubrication hole on outer ring	Non/No
Inner ring reference	IR40X45X20.5
Mass	0.08 kg

Product performance	
Cr	33 kN
C0r	53 kN
Nlim (grease)	3,700 rpm
Nlim (oil)	5,500 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	12.17 Hz
Characteristic outer ring frequency, BPF0	10.56 Hz
Characteristic inner ring frequency, BPFI	12.44 Hz