


Chain Pull Limit with UHMW Polyethylene Sprockets, Based on Bore Size - lb (kg)

No. of Teeth	Nom. Pitch Diameter		1.5 in square		40 mm square		1 in round		1.25 in round		1.5 in round	
	in	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
8	5.2	132	640	290	640	290	74	34	90	41	162	74
10	6.5	165	520	236	520	236	78	35	95	43	172	78
12	7.7	196	432	196	432	196	65	29	79	36	143	65

Bold entries indicate standard sizes

UHMW Polyethylene Sprocket^a

No. of Teeth (Chordal Action)	Nom. Pitch Dia. in	Nom. Pitch Dia. mm	Nom. Outer Dia. in	Nom. Outer Dia. mm	Nom. Hub Width in	Nom. Hub Width mm	Available Bore Sizes			
							U.S. Sizes		Metric Sizes	
							Round in ^b	Square in	Round mm ^b	Square mm
8 (7.61%) <i>Square Bore</i>	5.2	132	5.3	135	1.5	38	1-1/4	1.5		40
8 (7.61%) <i>Round Bore</i>	5.2	132	5.3	135	1.2	30	1-1/4	1.5		40
10 (4.89%)	6.5	165	6.7	170	1.5	38	1-1/4	1.5		40
12 (3.41%)	7.7	196	8.0	203	1.5	38	1-1/4	1.5		40



1 - Pitch diameter

2 - Outer diameter

3 - Hub width

a. **Contact Customer Service for lead times.**
 b. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.