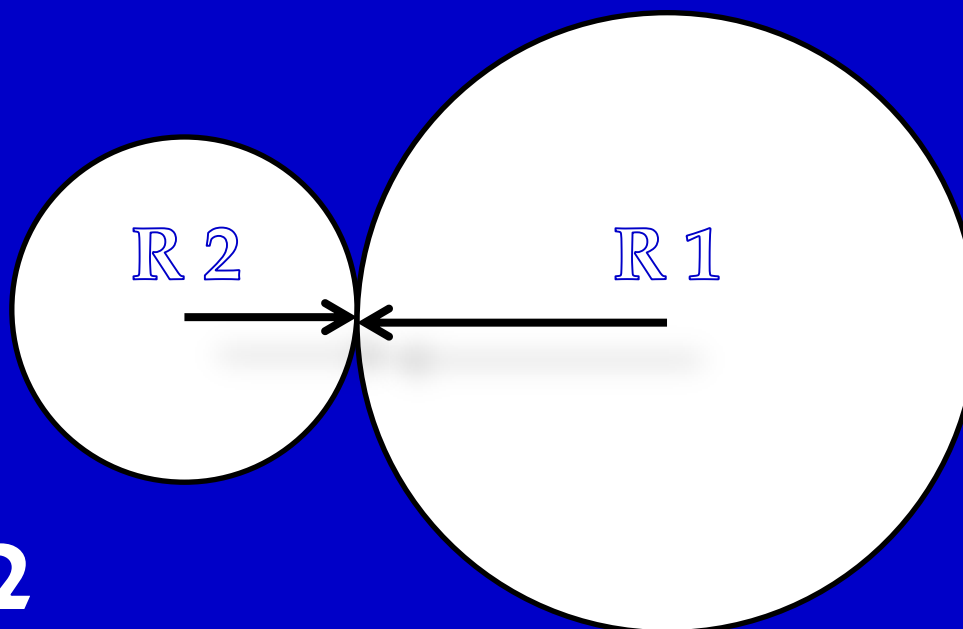
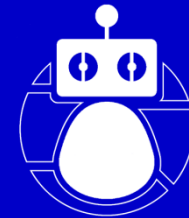


$$w = \frac{2 * \pi}{T}$$

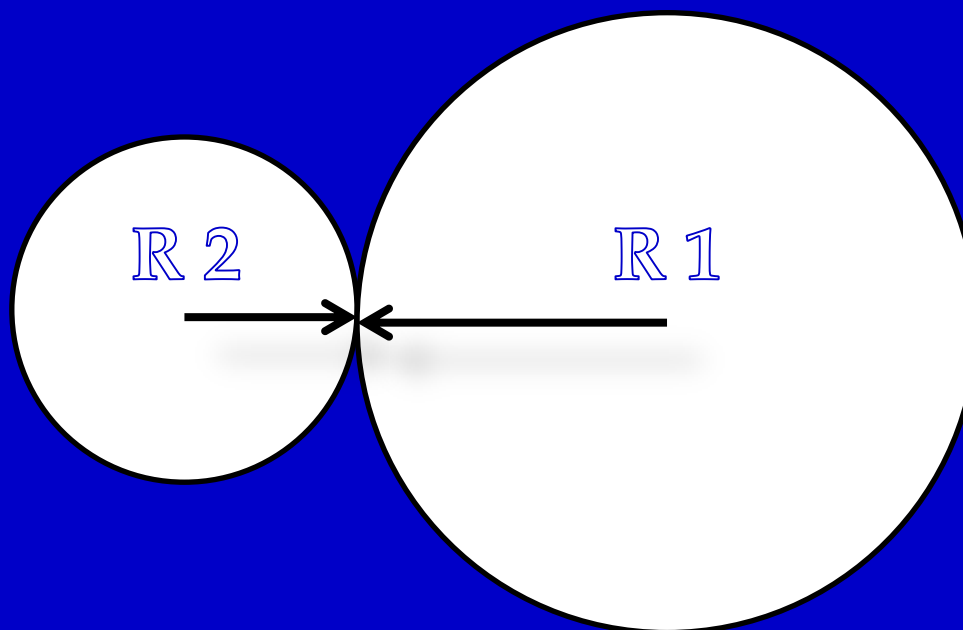
$$V = R * w$$

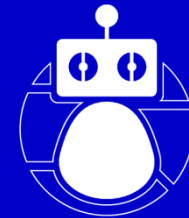


$$V_1 = V_2$$

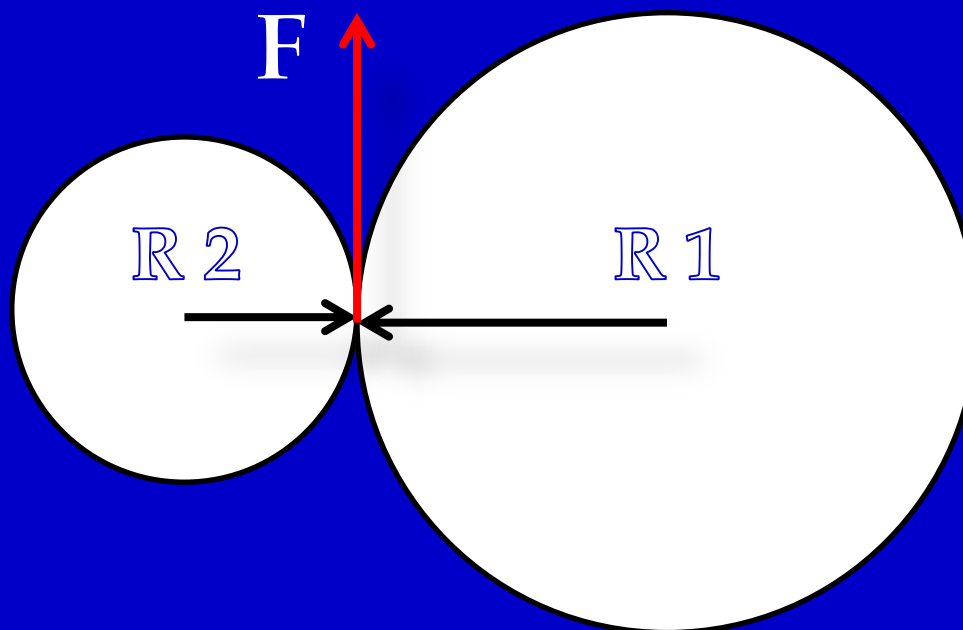


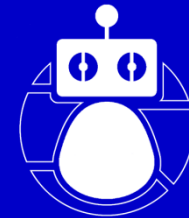
$$w_1/w_2 = R_1/R_2$$





$$\mathbf{R} \times \mathbf{F} = \boldsymbol{\tau}$$

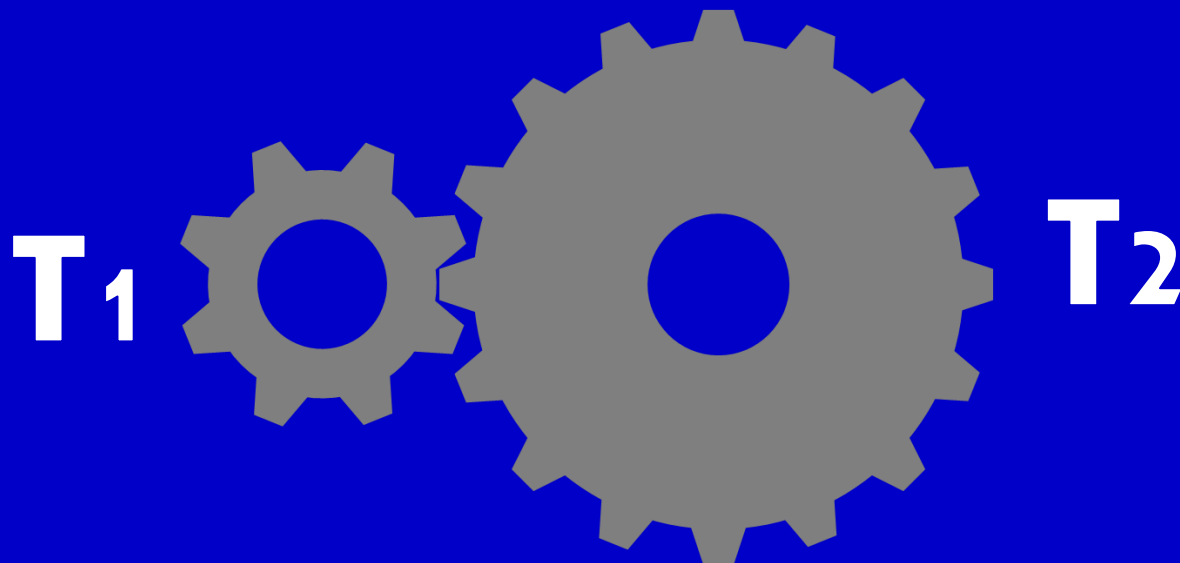




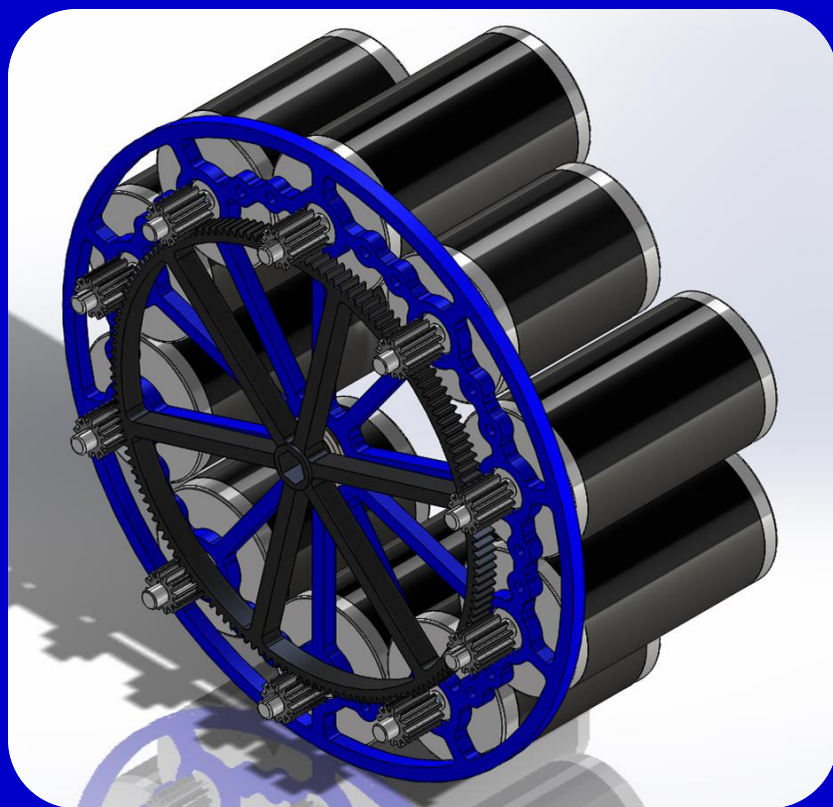
כמו המהירות!

$$\tau_1 / \tau_2 = R_1 / R_2$$

$R \sim \text{Teeth}$



$$w_1/w_2 = T_1/T_2 = \tau_1/\tau_2$$

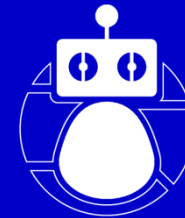


מהירות

כוח

נפח

הספק וחוקים



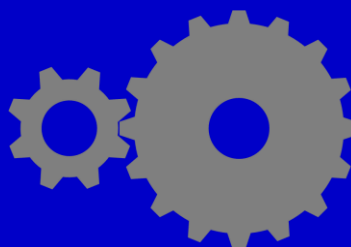
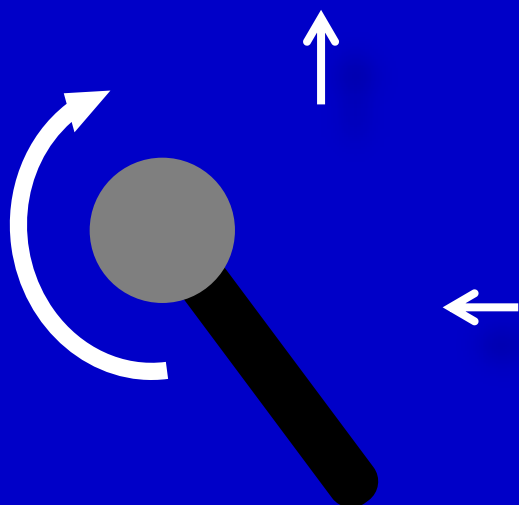
P, τ
רצויים



הגדרות
נפח וספק

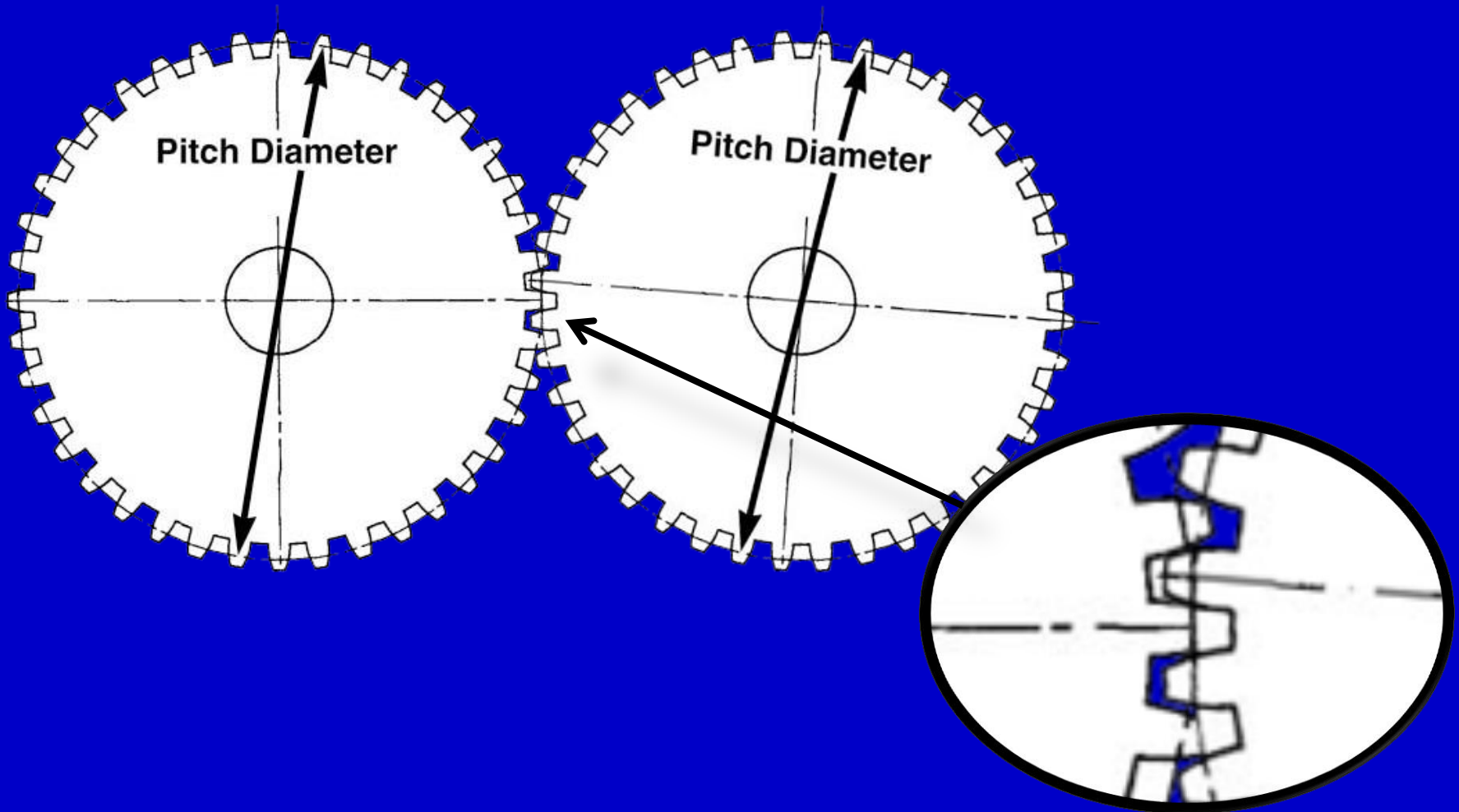
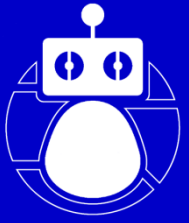


	Free Speed (RPM)	Free Current (A)	Maximum Power (W)	Stall Torque (N·m)	Stall Current (A)
CIM Motor	5300	2.7	337	2.41	131
Mini CIM Motor	5840	3	215	1.41	89
BAG Motor	13180	1.8	149	0.43	53
775pro	18730	0.7	347	0.71	134
AndyMark RS775-125	5800	1.6	43	0.28	18
BaseBots RS-775 18V	13050	2.7	246	0.72	97
AndyMark 9015	14270	3.7	134	0.36	71
BaseBots RS-550	19000	0.4	190	0.38	84

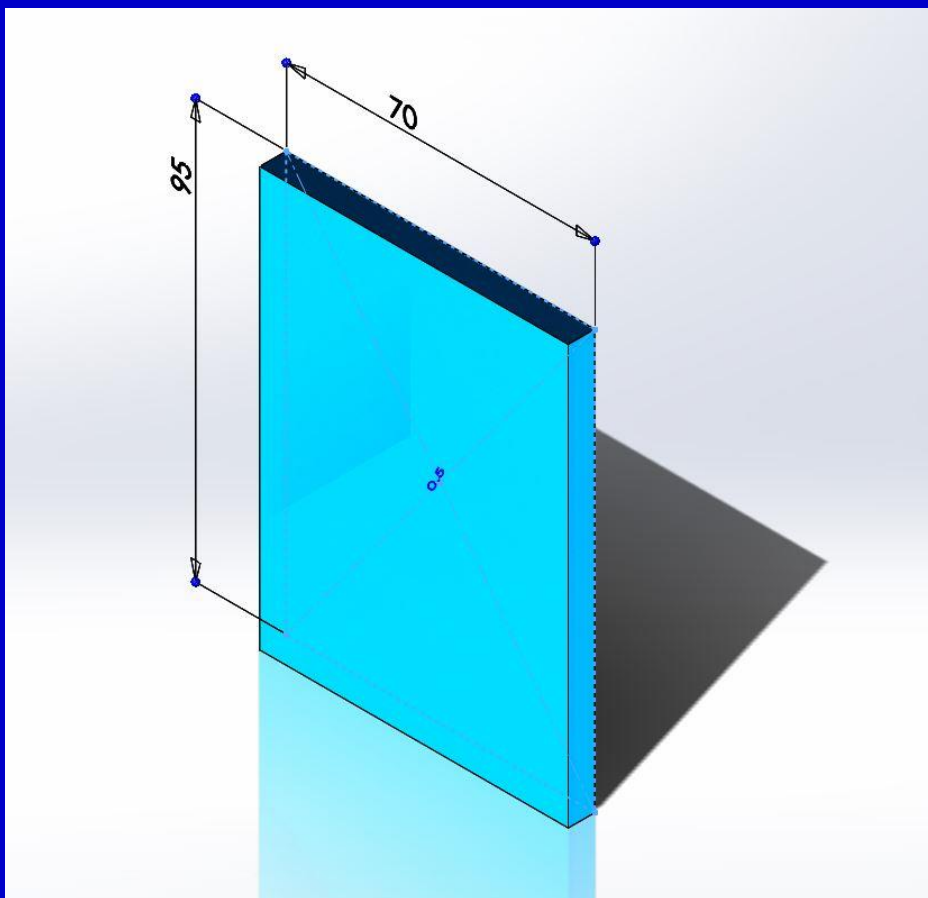
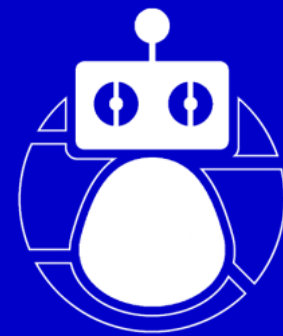


תכנון קאסטום גירבוקס

Pitch Diameter



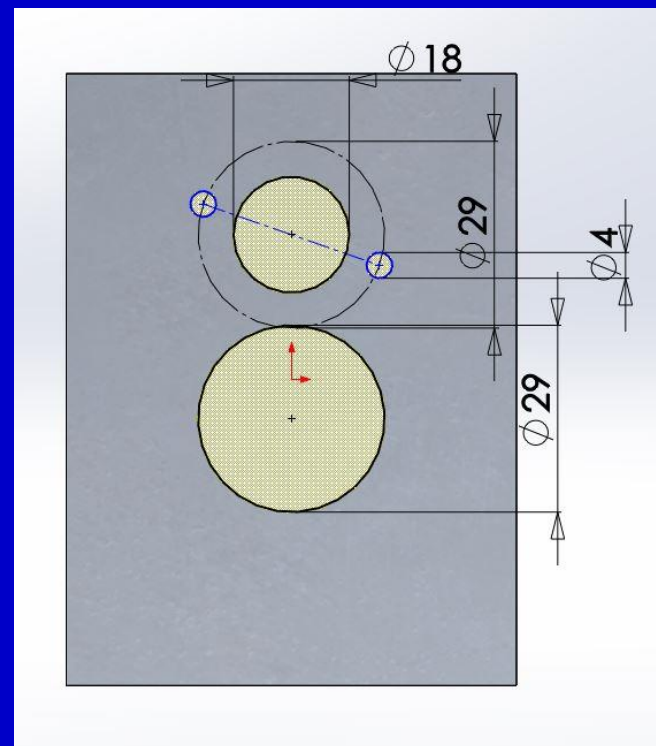
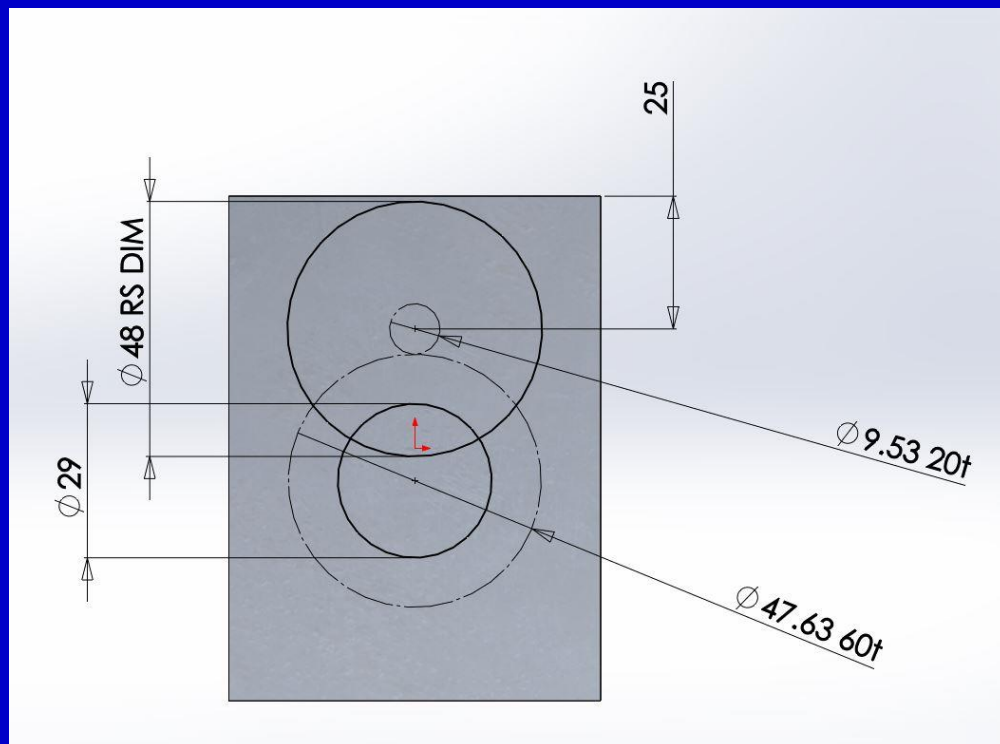
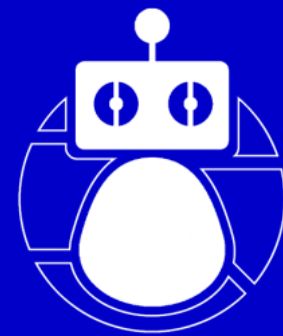
שלד הגיר-בוקס



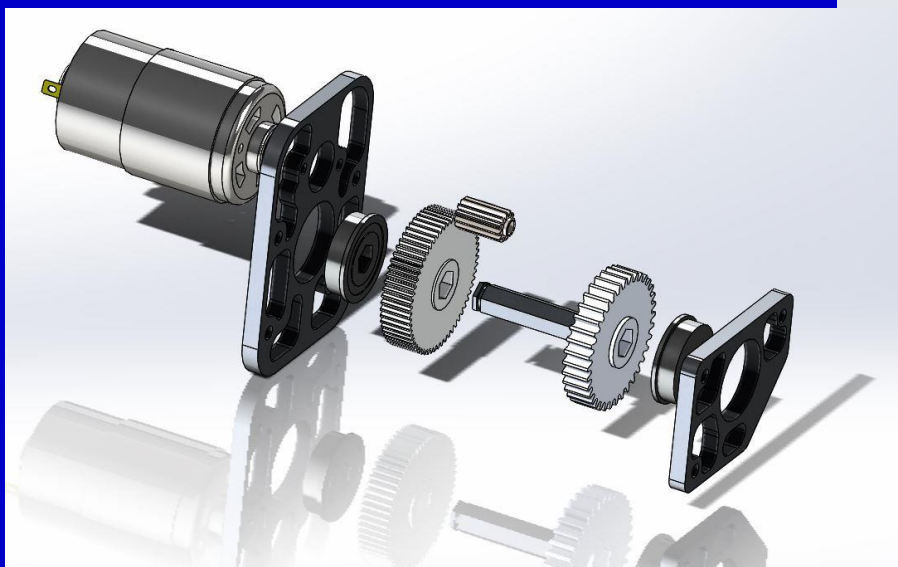
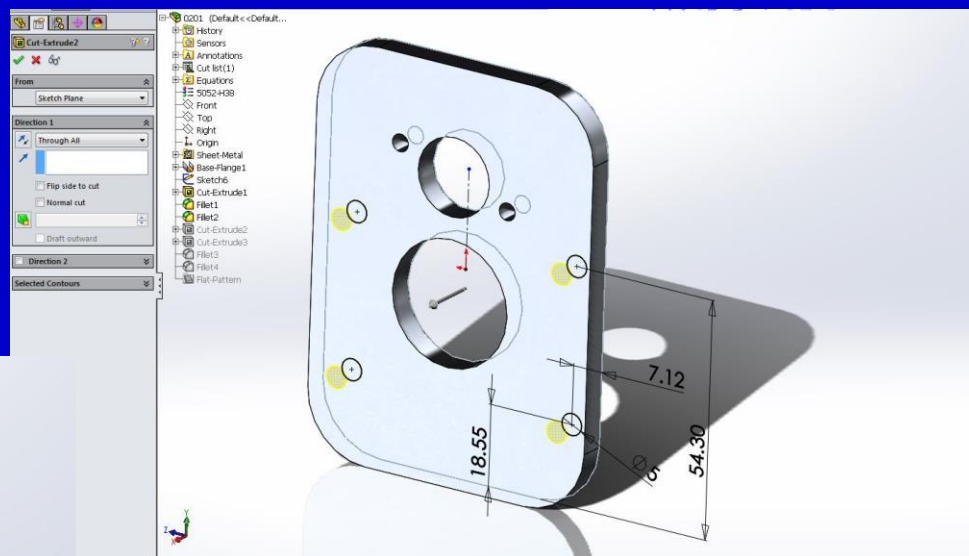
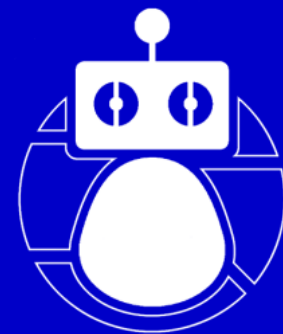
מתן מידות
כלליות

חורים למנוע וגלגלי שיניים

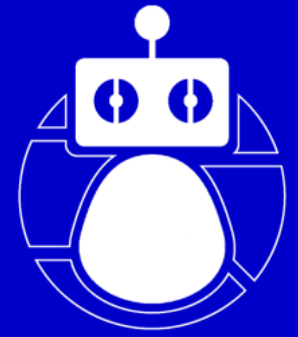
ע"פ PD



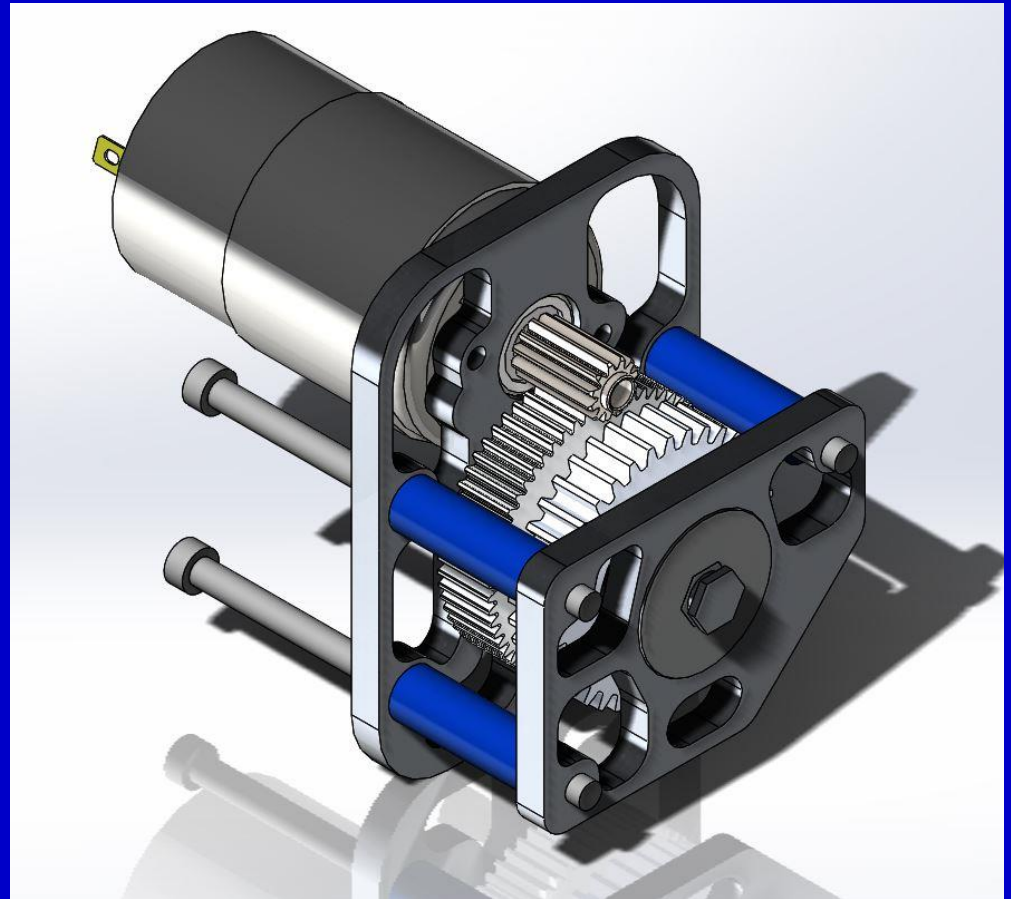
חורים לברגים



פינושים

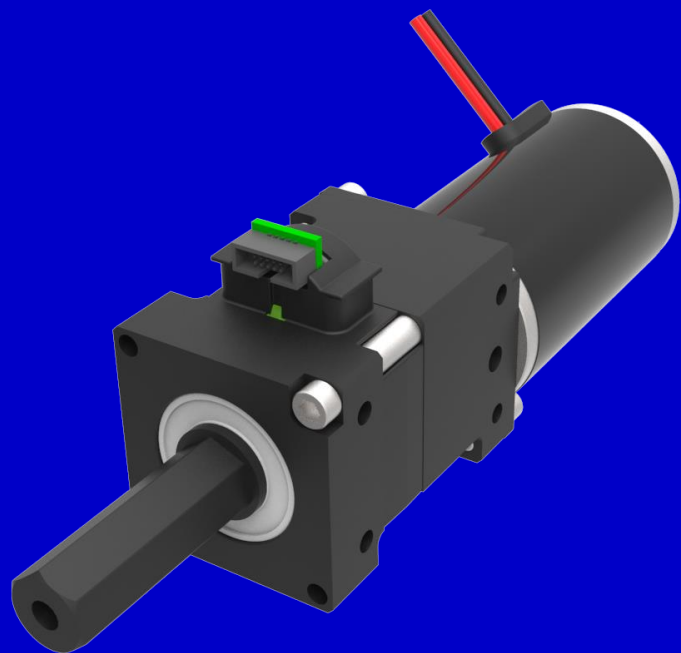
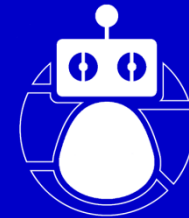


סוגרי צירים
ברגים ואומים
שחרורי משקל
ספייסרים
מיסבים





אופציות נוספות



VersaPlanetary

הפחתות מסיביות

קווי

נצילות נמוכה מגיר רגיל

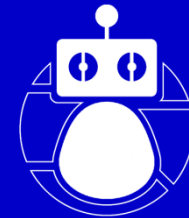


Off-the shelf Gearboxes

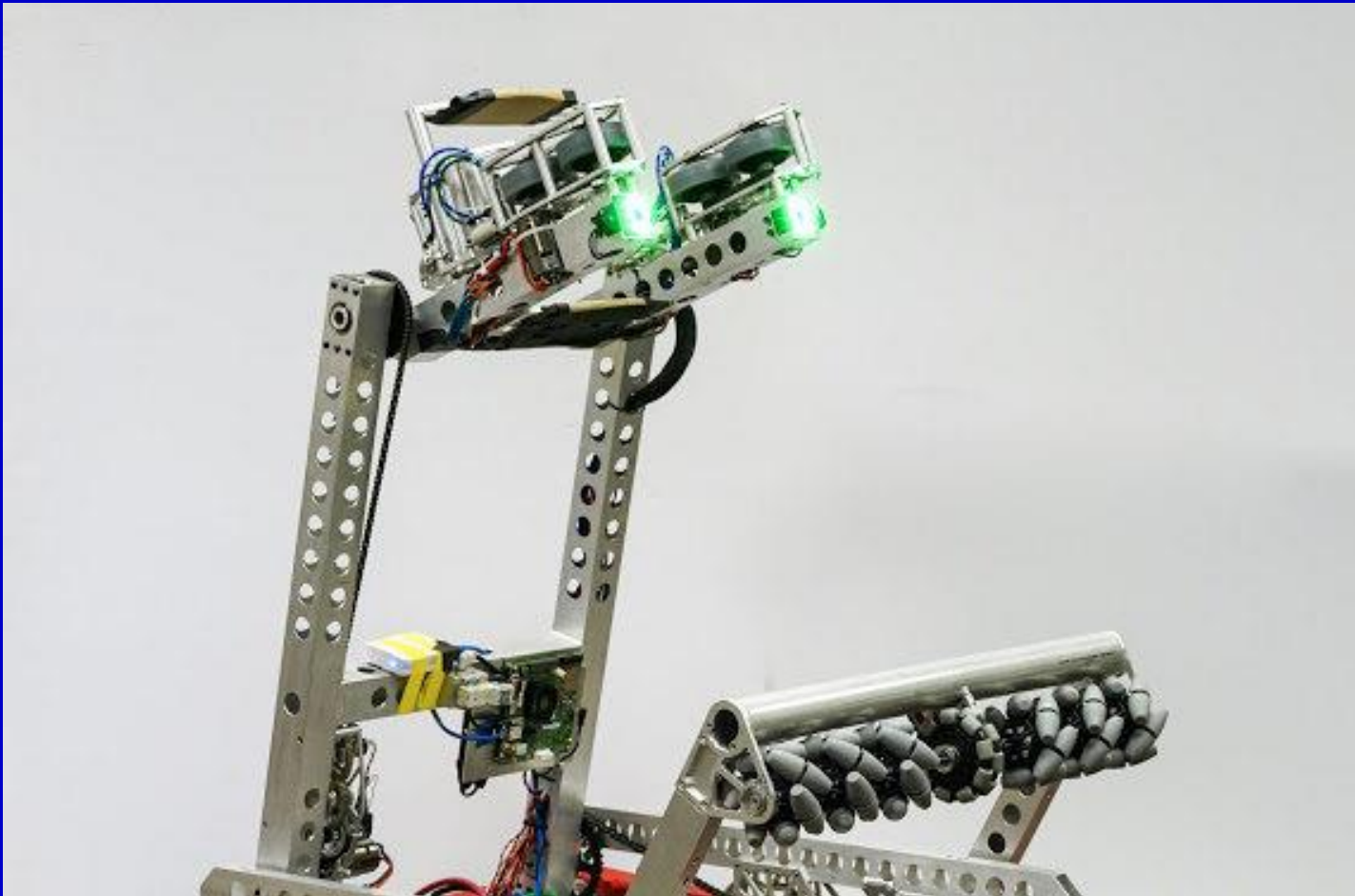
מתאים למקומות ספציפיים
מקל בתכנון



הקלת עבודתו של המנוע

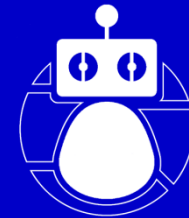


פחות כוח – יותר מהירות!





תמיכה בעזרת אלמנט קפיצי





#ליגתהסוליד

