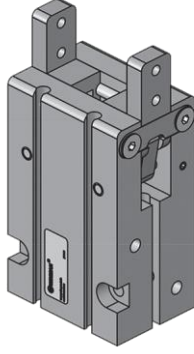


WINMAN WGRP Serisi Paralel Tutucular / WGRP Series Paralel Gripper

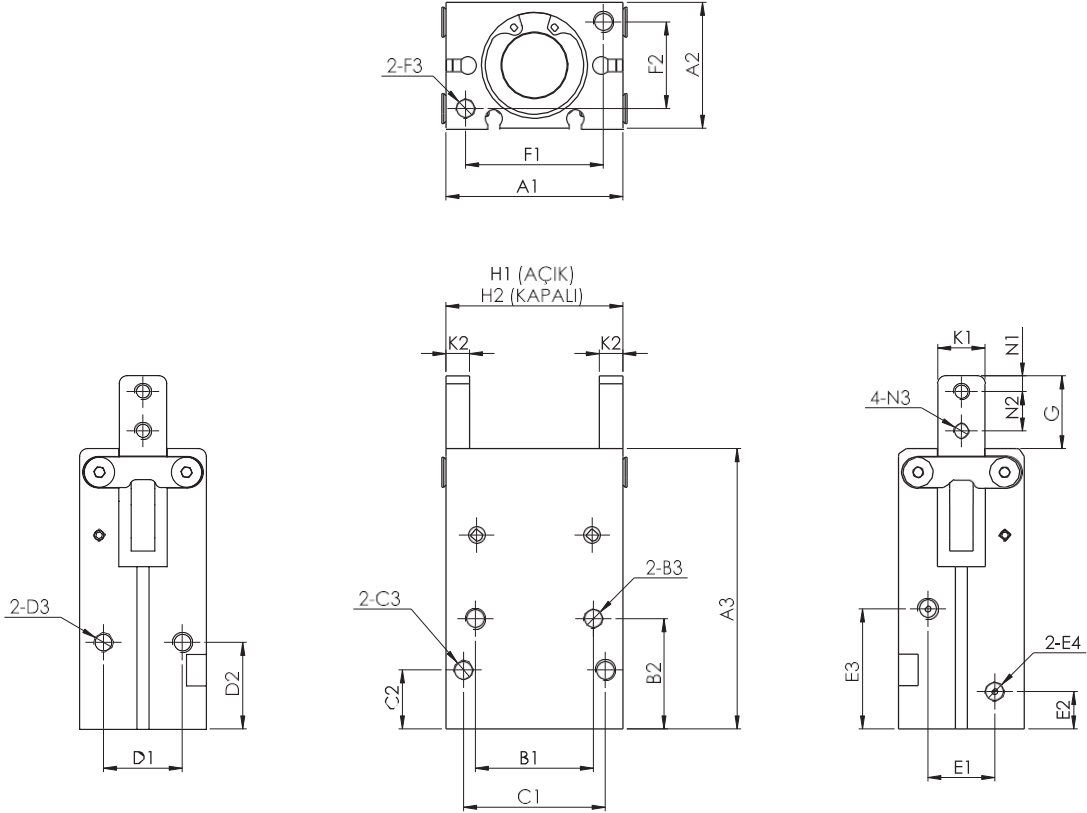


Özellikler / Specification

Piston Çapı / Bore Size	16	20	25	32
Çalışma Tipi / Acting Type	Çift Etkili / Double Acting			
Akışkan / Fluid	Hava (40µm filtrelenmiş) / Air (40µm filtered)			
Çalışma Basıncı / Op. Pressure	< 9 Bar			
Sıcaklık / Temperature	0 ~ +80 °C			
Manyetik / Magnetic	Standart / Standard			
Yastıklama Tipi / Cush. Type	-			
Hız / Speed Range	-			
Sensör / Sensör Switches	WT-07			

Teknik Çizim / Technical Drawing

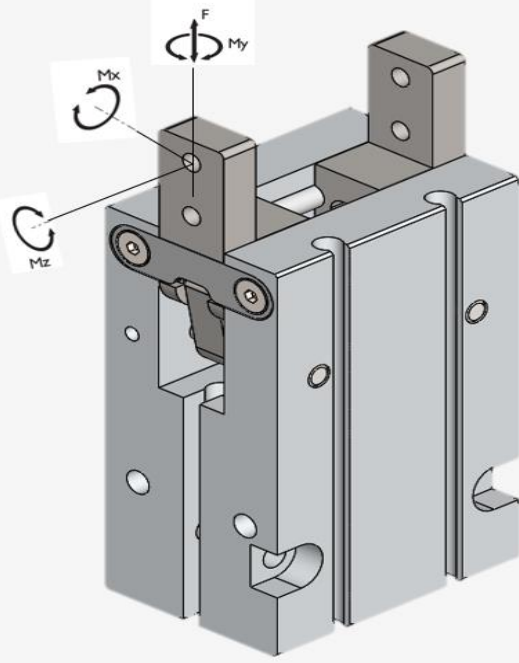
Ø mm	AĞIRLIK/WEIGHT
16	140 gr
20	220 gr
25	300 gr
32	700 gr



Ø mm	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3	E4	F1	F2	F3	G	H1	H2	K1	K2	N1	N2	N3
16	34	22	58,5	24	25,5	M4	28	14	M4	14	21	M4	10,5	8,5	24	M5	26	14	M4	15	32,5	25	11	5	3	8	M3
20	45	26	71,5	30	28	M5	36	15	M5	16	22	M5	11	7,5	25,5	M5	35	16	M5	18,5	44	32	12	6	4	10	M4
25	45	32	71,5	30	28	M5	36	15	M5	20	22	M5	17	7,5	26	M5	35	22	M5	18,5	44	32	12	6	4	10	M4
32	60	40	90	44	38	M6	50	18	M6	26	30	M6	21	12	36,5	M5	46	26	M6	31	60	44	18	9	7	15	M6

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA
WGRP	025
PARALEL TUTUCU Parallel Grippers	PİSTON ÇAP (mm) Piston Dia

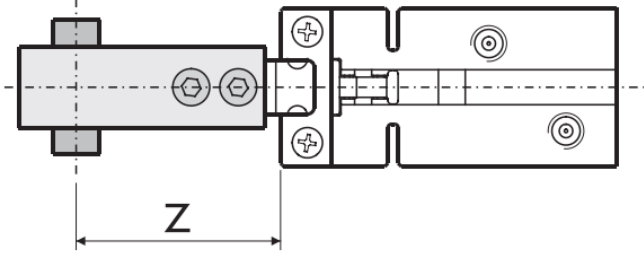
WINMAN WGRP Serisi Paralel Tutucular / WGRP Series Paralel Gripper

Emniyet Yükleri / Safety Loads

İzin verilen maksimum yükler için tabloyu kontrol edin. Aşırı kuvvetler veya torklar, tutucuya zarar verebilir, çalışma sorunlarına neden olabilir ve operatörün güvenliğini tehlikeye atabilir. F_s , $M_x s$, $M_y s$, $M_z s$, izin verilen maksimum statik yüklerdir. Statik yükler, hareketsiz çeneler içindir. F_d , $M_x d$, $M_y d$, $M_z d$, izin verilen maksimum dinamik yüklerdir. Dinamik yükler, hareketli çeneler içindir. Aşağıdaki tablolar, her bir tutucu aletinin kapanma veya açılma süresine bağlı olarak belirtilen maksimum yüklerini (m) göstermektedir. Uygun hızı elde etmek için akış kontrol cihazlarını kullanın.

Check the table for maximum permitted loads. Excessive forces or torques can damage the gripper, cause functioning troubles and endanger the safety of the operator. F_s , $M_x s$, $M_y s$, $M_z s$, are maximum permitted static loads. Static means with motionless jaws. F_d , $M_x d$, $M_y d$, $M_z d$, are maximum permitted dynamic loads. Dynamic means with running jaws. The following tables show the specified maximum loads (m) on each gripping tool as function of closing or opening time. Use flow controllers (not supplied) to get the proper speed.

	WGRP-16	WGRP-20	WGRP-25	WGRP-32
F_s	50 N	75 N	125 N	200 N
$M_x s$	1.5 Nm	5 Nm	8 Nm	18 Nm
$M_y s$	1.5 Nm	5 Nm	8 Nm	12 Nm
$M_z s$	1.5 Nm	5 Nm	8 Nm	18 Nm
F_d	0.8 N	1.5 N	2.5 N	3.5 N
$M_x s$	1.5 Ncm	5 Ncm	8 Ncm	18 Ncm
$M_y s$	1.5 Ncm	5 Ncm	8 Ncm	18 Ncm
$M_z s$	1.5 Ncm	5 Ncm	8 Ncm	18 Ncm
m 0.2s	80	150	250	350
m 0.12	65	125	200	250
m 0.09	55	100	150	200
m 0.07	45	75	100	--
m 0.05	35	50	--	--
m 0.02	25	--	--	--

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Emniyet Yükleri / Safety Loads

Grafikler, her çenedeki tutma kuvvetini, çalışma basıncı ve tutma takımı uzunluğu Z'ye bağlı olarak göstermektedir.

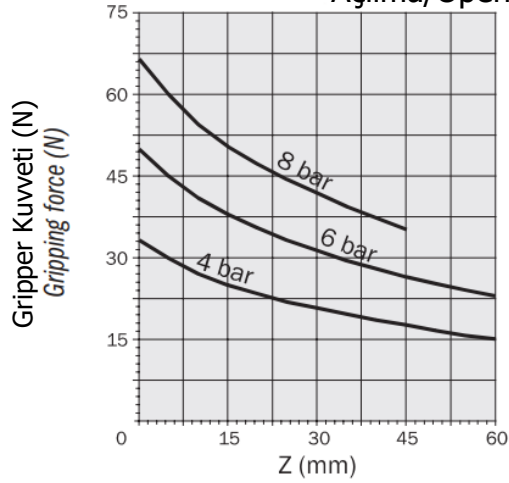
The graphs show the gripping force on each jaw, as a function of the operating pressure and the gripping tool length Z

Bu grafiklerde gösterilen kuvvet, bir çeneyi ifade etmektedir. Toplam kuvvet iki katıdır.

The force shown in these graphs refers to one jaw. The total force is double.

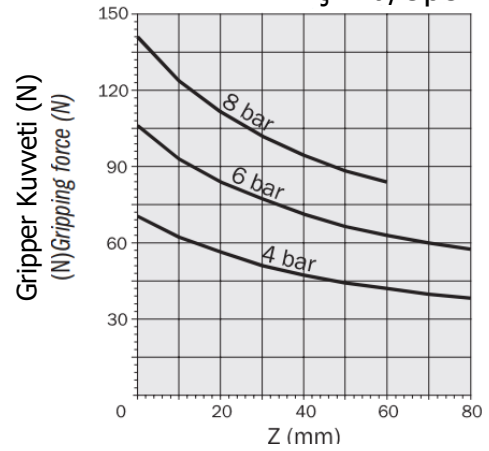
WGRP-16

Açılma/Opening



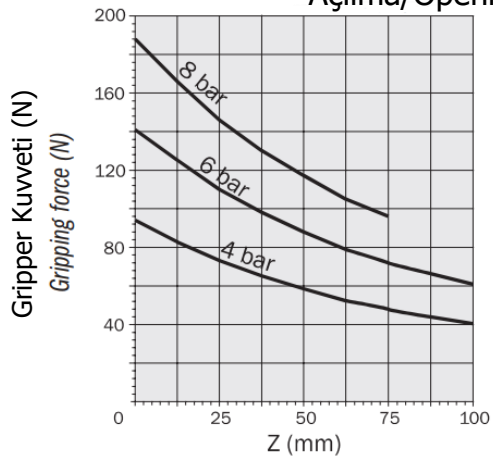
WGRP-20

Açılma/Opening



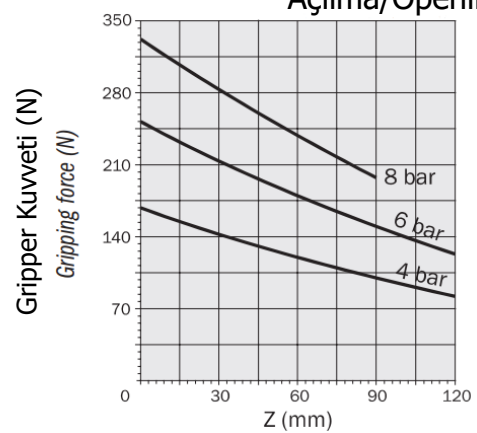
WGRP-25

Açılma/Opening

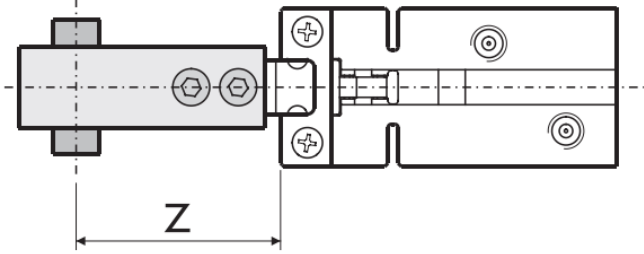


WGRP-32

Açılma/Opening



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Emniyet Yükleri / Safety Loads

Grafikler, her çenedeki tutma kuvvetini, çalışma basıncı ve tutma takımı uzunluğu Z'ye bağlı olarak göstermektedir.

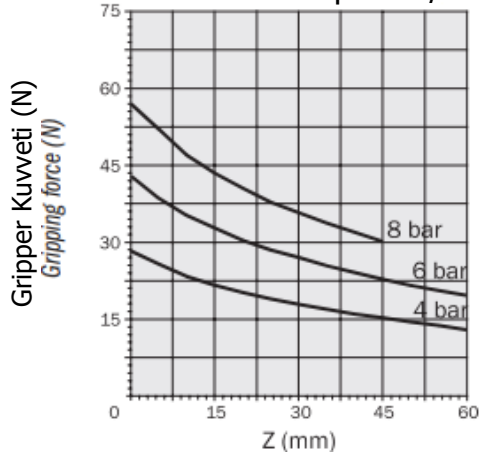
The graphs show the gripping force on each jaw, as a function of the operating pressure and the gripping tool length Z

Bu grafiklerde gösterilen kuvvet, bir çeneyi ifade etmektedir. Toplam kuvvet iki katıdır.

The force shown in these graphs refers to one jaw. The total force is double.

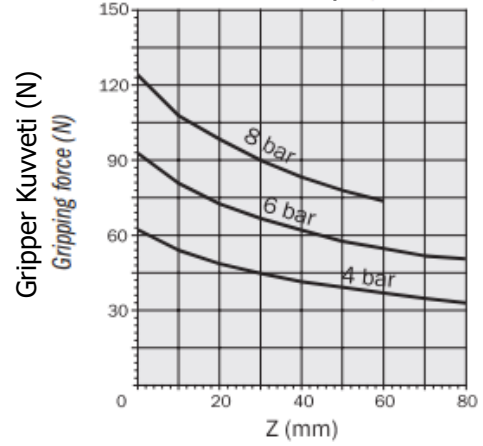
WGRP-16

Kapanma/Closing



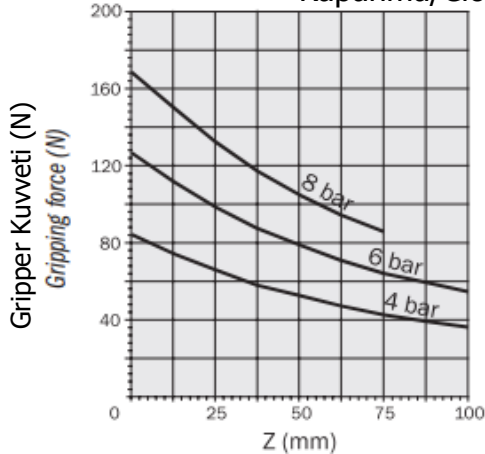
WGRP-20

Kapanma/Closing



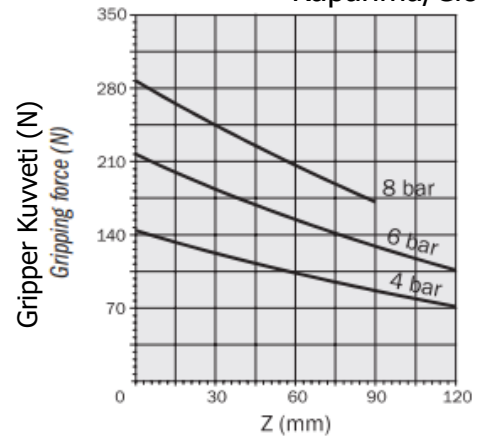
WGRP-25

Kapanma/Closing

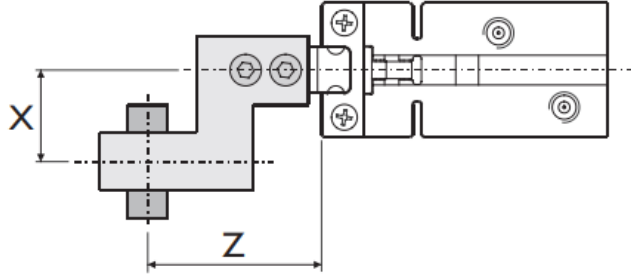


WGRP-32

Kapanma/Closing



WINMAN WGRP Serisi Paralel Tutucular / WGRP Series Paralel Gripper



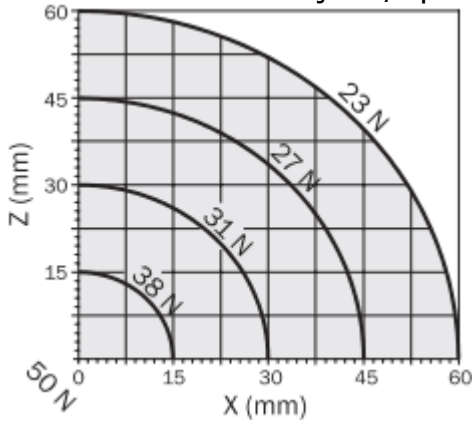
Emniyet Yükları / Safety Loads

Grafikler, her çenedeki tutma kuvvetini, tutma takımı uzunluğu Z ve 6 bar'daki çıkıntı X'e bağlı olarak göstermektedir.

The graphs show the gripping force on each jaw, as a function of the gripping tool length Z and the overhanging X at 6 bar.

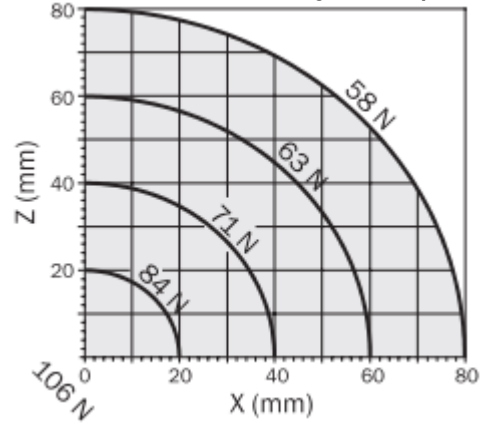
WGRP-16

Açılma/Opening



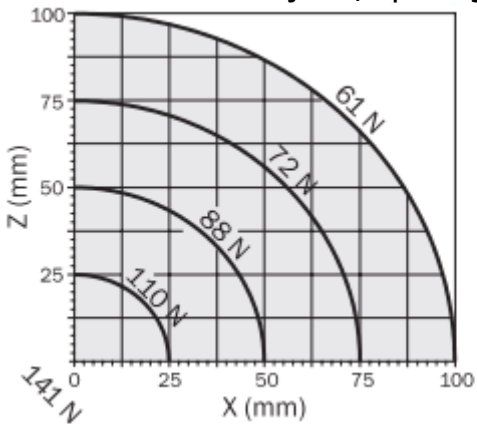
WGRP-20

Açılma/Opening



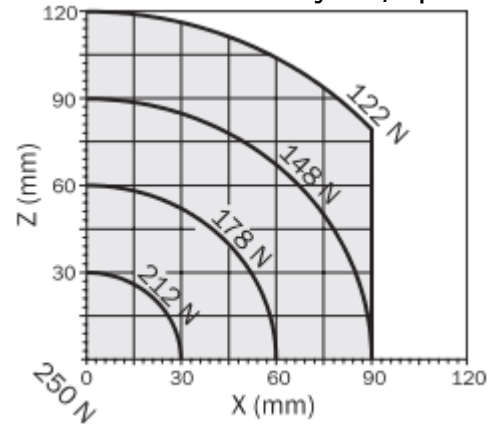
WGRP-25

Açılma/Opening

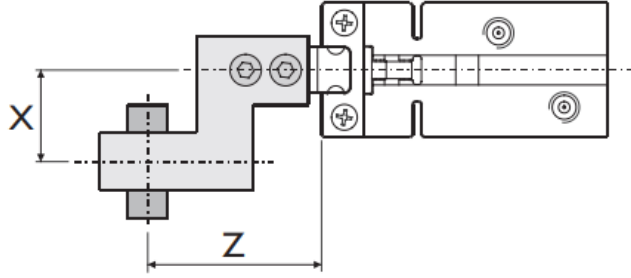


WGRP-32

Açılma/Opening



WINMAN WGRP Serisi Paralel Tutucular / WGRP Series Paralel Gripper



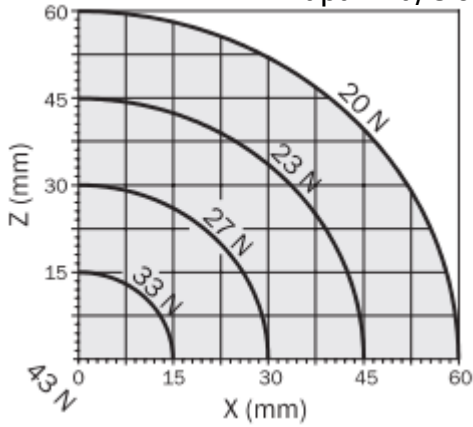
Emniyet Yükleri / Safety Loads

Grafikler, her çenedeki tutma kuvvetini, tutma takımı uzunluğu Z ve 6 bar'daki çıkıntı X'e bağlı olarak göstermektedir.

The graphs show the gripping force on each jaw, as a function of the gripping tool length Z and the overhanging X at 6 bar.

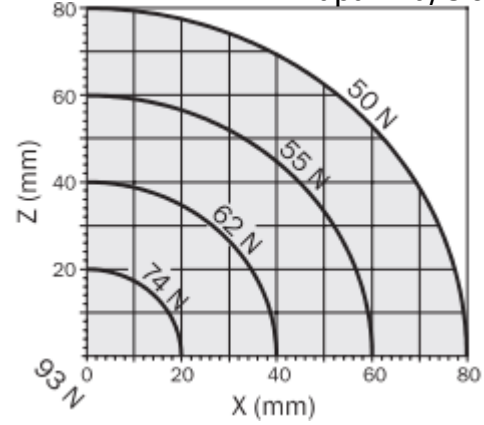
WGRP-16

Kapanma/Closing



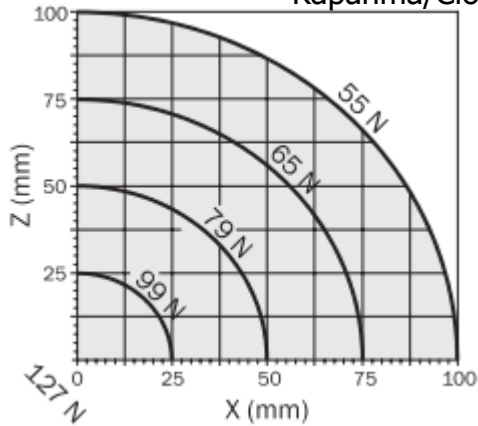
WGRP-20

Kapanma/Closing



WGRP-25

Kapanma/Closing



WGRP-32

Kapanma/Closing

