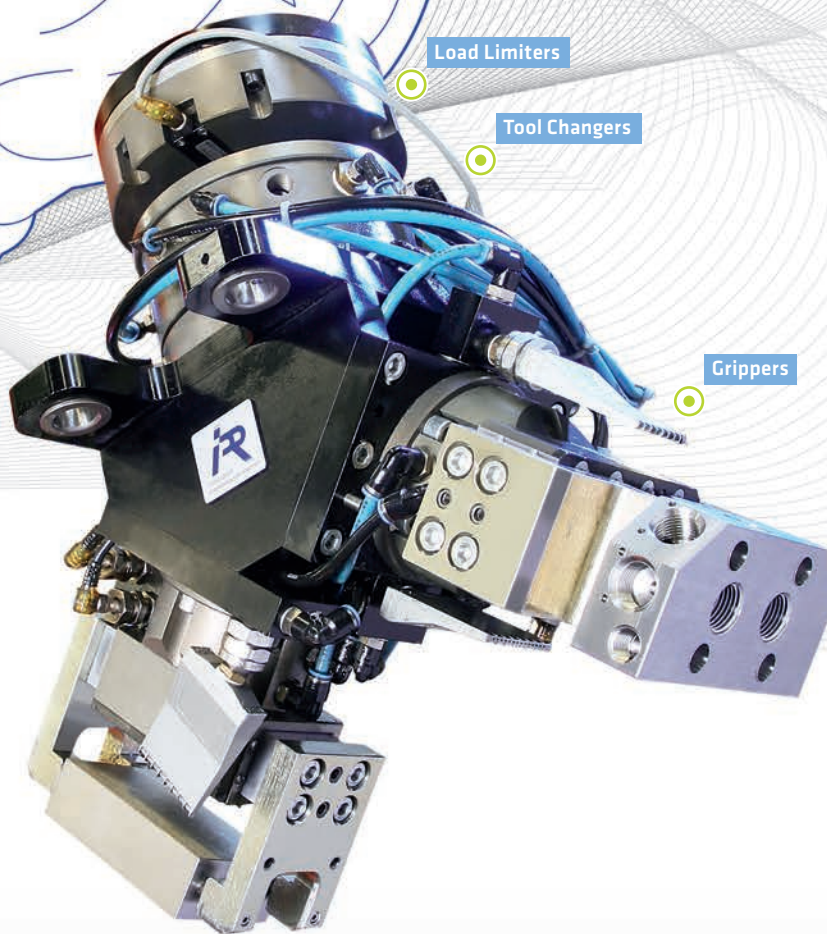


GRIPPING TECHNOLOGY FOR INDUSTRIAL ROBOTS

PRODUCT PORTFOLIO



Solutions within your grip.

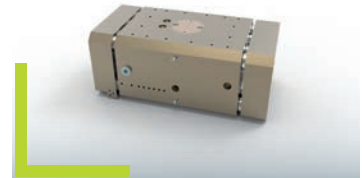
We are leading the way in the development and manufacturing of products for the hands and feet of robots.

Our product range consists of

grippers, tool changers, compensation devices, rotary actuators and load limiters in different sizes for all kinds of load ranges. Our pneumatic, electrical and hydraulic components facilitate companies of different branches the manufacturing, assembly and handling.



**Direct adaption via
DIN/ISO interface**



**Robotic grippers: pneumatic,
hydraulic, electric**











**Suitable for various
applications through versatile
accessories**

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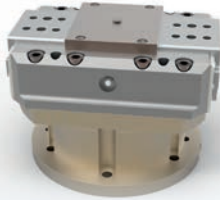
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DIN/ISO grippers

2-jaw parallel grippers: IRP series

Technical specifications



Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
IRP-13-ISO-31,5	150 ¹⁾	4.20	0.15	0.40
IRP-14-ISO-40	170 ¹⁾	6.30	0.20	0.60
IRP-15-ISO-50	300 ¹⁾	12.70	0.70	3.00
IRP-16-ISO-50	300 ¹⁾	20.00	1.25	3.00
IRP-17-ISO-80	930 ¹⁾	30.00	2.80	5.00
IRP-18-ISO-100	1,800 ¹⁾	30.00	3.20	6.50
IRP-19/20-ISO-125	4,700 ¹⁾	20.00	6.80	18.00
IRP-19/40-ISO-125	2,600 ¹⁾	40.00	6.80	9.00
IRP-20-ISO-160	7,200 ¹⁾	38.00	18.30	25.00
IRP-21/37-ISO-250	15,400 ¹⁾	37.00	37.00	80.00
IPR-21/64-ISO-250	8,900 ¹⁾	64.00	37.00	70.00

¹⁾ at 6 bar

2-jaw angular grippers: WG series

Technical specifications



Model	Gripping Force [N] at distance from axis	Opening Angle [degree]	Weight [kg]	Handling Weight max. [kg]
WG-125-ISO	3,100 ¹⁾ at 100 mm	30.00	2.80	8.00
WG-160-ISO	6,100 ¹⁾ at 100 mm	30.00	5.90	16.00

¹⁾ at 6 bar

3-jaw angular grippers: WGC series

Technical specifications



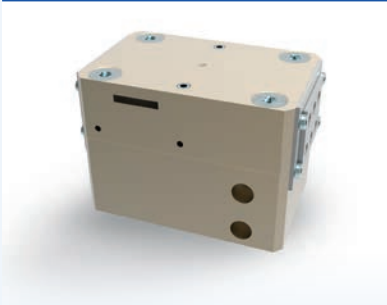
Model	Gripping Force [N] at distance from axis	Opening Angle [degree]	Weight [kg]	Handling Weight max. [kg]
WGC-125-ISO	4,500 ¹⁾ at 100 mm	30	3.10	8.00
WGC-160-ISO	9,150 ¹⁾ at 100 mm	30	6.45	16.00

¹⁾ at 6 bar

2- / 3-jaw parallel grippers with sliding guide

2-jaw parallel grippers with sliding guide: RP series

Technical specifications

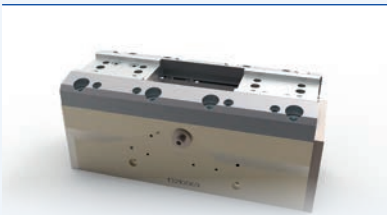


Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
RP-5	150 ¹	4.20	0.078	0.40
RP-10	180 ¹	6.30	0.112	0.60
RP-11	180 ¹	6.30	0.112	0.60
RP-12	180 ¹	9.50	0.28	1.50
RP-15	300 ¹	12.70	0.56	3.00
RP-17	930 ¹	19.05	1.10	4.50
RP-18	1,580 ¹	31.75	3.65	6.00
RP-19	2,130 ¹	50.80	9.34	9.50

¹⁾ at 6 bar

2-jaw parallel grippers with sliding guide: RPG series

Technical specifications

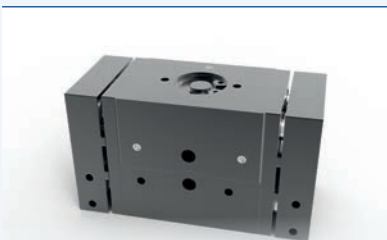


Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
RPG-80-P	1,000 ¹	80.00	8.50	10.00
RPG-120-H	2,000/3,000 ²	120.00	10.50	28.00
RPG-120-P	1,000 ¹	120.00	9.00	14.00

¹⁾ at 6 bar · ²⁾ at 60 / 100 bar

2-jaw parallel grippers with sliding guide: RPW series

Technical specifications



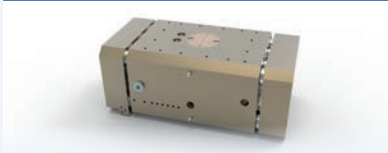
Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
RPW-250-1-I	155 ¹	19.00	0.30	0.50
RPW-250-2-I	155 ¹	40.00	0.34	0.50
RPW-375-1-I	330 ¹	25.40	0.59	1.50
RPW-375-2-I	330 ¹	50.80	0.91	1.50
RPW-375-3-I	330 ¹	75.80	1.10	1.50
RPW-500-1-I	690 ¹	38.10	1.60	4.00
RPW-500-2-I	690 ¹	63.50	2.00	4.00
RPW-500-3-I	690 ¹	84.90	2.636	4.00
RPW-500-4-I	690 ¹	105.00	3.262	4.00
RPW-625-1-I	1,040 ¹	50.80	2.90	8.00
RPW-625-2-I	1,040 ¹	88.90	3.50	8.00
RPW-750-I	1,550 ¹	114.00	6.95	15.00
RPW-1200-I	3,027 ¹	120.00	18.80	20.00

¹⁾ at 6 bar

2- / 3-jaw parallel grippers with sliding guide

2-jaw parallel grippers with sliding guide: IPW series

Technical specifications



Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
IPW-120	4,000 ¹⁾	120.00	45.00	70.00
IPW-160	3,600 ¹⁾	160.00	45.00	55.00
IPW-200	8,000 ¹⁾	198.00	70.00	85.00

¹⁾ at 6 bar

2-jaw parallel grippers with sliding guide: IPG-S series

Technical specifications



Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
IPG-S-120-20-FA	1,830 ¹⁾	20.00	2.70	8.00

¹⁾ at 6 bar

3-jaw parallel grippers with sliding guide: RPC series

Technical specifications



Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
RPC-320-I	1,332 ¹⁾	10.00	0.95	3.00
RPC-344-I	3,996 ¹⁾	22.00	3.40	8.00
RPC-368-I	13,000 ¹⁾	34.90	9.70	25.00
RPC-468-I	15,000 ¹⁾	40.00	45.00	70.00

¹⁾ at 6 bar

3-jaw parallel grippers with sliding guide: IPC series

Technical specifications

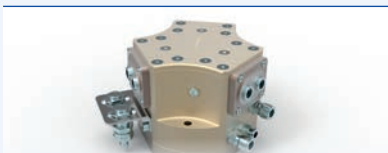


Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
IPC-140-30	4,617 ¹⁾	30.00	3.40	20.00

¹⁾ at 6 bar

3-jaw parallel grippers with sliding guide: IPC-S series

Technical specifications



Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
IPC-S-120-20-FA	1,830 ¹⁾	20.00	2.90	8.00

¹⁾ at 6 bar

2- / 3-jaw angular grippers with sliding guide

2-jaw angular grippers with sliding guide: RA series

Technical specifications



Model	Gripping Force [N]	Opening Angle [degree]	Weight [kg]	Handling Weight max. [kg]
RA-5	89 ¹⁾	30	0.11	0.60
RA-6	196 ¹⁾	30	0.31	1.00

¹⁾ at 6 bar

2-jaw angular grippers with sliding guide: WG series

Technical specifications



Model	Gripping Force [N] at distance from axis	Opening Angle [degree]	Weight [kg]	Handling Weight max. [kg]
WG-100	80 ¹⁾ at 30 mm	180	0.60	0.10
WG-25	136 ¹⁾ at 43 mm	180	1.10	0.20
WG-35	380 ¹⁾ at 42 mm	180	2.70	4.00

¹⁾ at 6 bar

3-jaw angular grippers with sliding guide: WGC series

Technical specifications



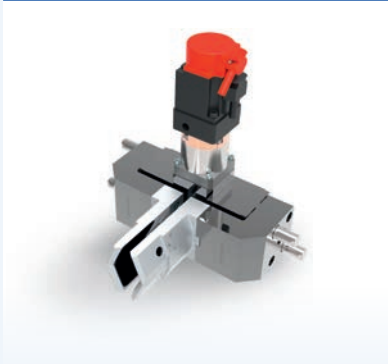
Model	Gripping Force [N] at distance from axis	Opening Angle [degree]	Weight [kg]	Handling Weight max. [kg]
WGC-80	1,600 ¹⁾ at 50 mm	30	0.70	3.00

¹⁾ at 6 bar

2-jaw parallel grippers electrical / pneumatic

2-jaw parallel grippers electrical, pneumatic: RPW-Hybrid series

Technical specifications

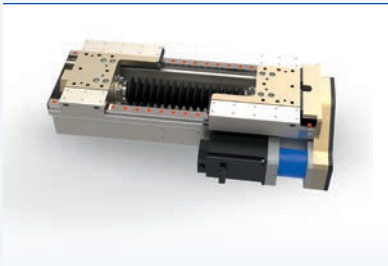


Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
RPW-375-1-I-Hybrid	330 ¹⁾	25.40	1.39	1.50
RPW-375-2-I-Hybrid	330 ¹⁾	50.80	1.71	1.50
RPW-375-3-I-Hybrid	330 ¹⁾	75.80	1.90	1.50

¹⁾ at 6 bar

2-jaw parallel grippers electrical: Long-stroke spindle gripper

Technical specifications

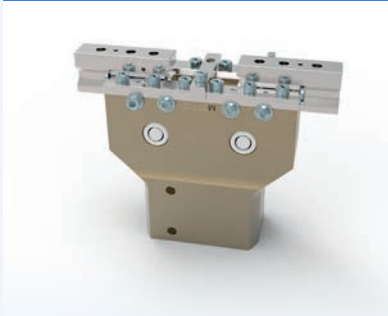


Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
ISG-90-250-E	6,000	250.00	50.00	150.00

2-jaw parallel grippers with roller bearing

2-jaw parallel grippers with roller bearing: RP series

Technical specifications

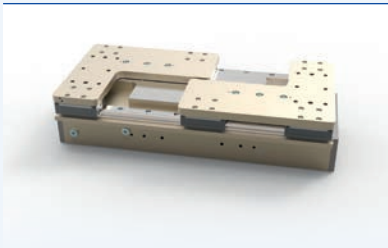


Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
RP-50	90 ¹⁾	12.70	0.15	0.10
RP-100	140 ¹⁾	25.40	0.23	0.20
RP-25	245 ¹⁾	28.70	0.55	1.00
RP-35	720 ¹⁾	25.40	1.70	5.00
RP-40	850 ¹⁾	50.80	2.70	8.00
RP-43	1,750 ¹⁾	76.20	7.30	25.00

¹⁾ at 6 bar

2-jaw parallel grippers with roller bearing: LPG series

Technical specifications



Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
LPG-160	5,950 ¹⁾	160.00	53.00	120.00

¹⁾ at 6 bar

2-jaw parallel grippers with roller bearing: RPL series

Technical specifications



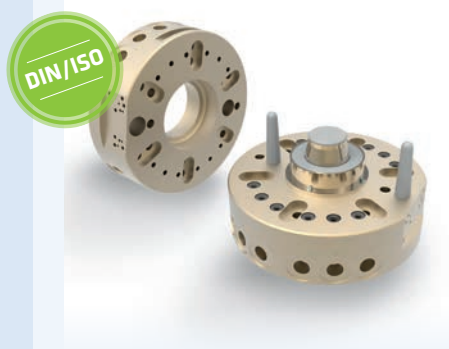
Model	Gripping Force [N]	Stroke total [mm]	Weight [kg]	Handling Weight max. [kg]
RPL-1	116 ¹⁾	6.40	0.07	0.15
RPL-2	116 ¹⁾	12.70	0.09	0.15
RPL-3	160 ¹⁾	19.10	0.14	0.30
RPL-4	160 ¹⁾	25.40	0.17	0.30

¹⁾ at 6 bar

Robots accessoires

Tool changers: TK series

Technical specifications



Model	Handling Weight max. [kg]	Weight [kg]	Height [mm]	Diameter [mm]	F _z max. [N]	M _z max. [Nm]
TK-40	3.00	0.27	38.00	60	900 ¹⁾	29 ¹⁾
TK-50	12.00	0.77	56.00	85	3,340 ¹⁾	136 ¹⁾
TK-63	30.00	1.68	65.00	110	4,600 ¹⁾	740 ¹⁾
TK-80	60.00	3.06	76.00	140	8,900 ¹⁾	1,000 ¹⁾
TK-125	150.00	6.10	115.00	158	30,000 ¹⁾	2,000 ¹⁾
TK-160	250.00	9.45	115.00	200	35,500 ¹⁾	2,000 ¹⁾
TK-200	120.00	13.70	89.50	270	3 x 8,900 ¹⁾	2,000 ¹⁾
TK-300-AI	450.00	21.50	110.00	290	3 x 35,500 ¹⁾	2,000 ¹⁾
TK-300-St	800.00	42.50	110.00	290	3 x 35,500 ¹⁾	2,000 ¹⁾

¹⁾ at 6 bar

Compliance wrist: FM series

Technical specifications



Model	Handling Weight max. [kg]	X/Y-Alignment [mm]	Weight [kg]	Height [mm]	Diameter [mm]
FM-50	0.60 - 1.10	± 3	0.15	40	50
FM-80	1.20 - 2.40	± 3	0.26	42	79
FM-100	2.50 - 3.50	± 3	0.42	42	99
FM-125	3.70 - 7.00	± 2	1.20	50	125
FM-160	7.10 - 18.00	± 2	1.85	50	159
FM-200	18.00 - 52.00	± 3	8.00	56	198
FM-250	52.00 - 90.00	± 3	9.80	62	248
FM-300	52.00 - 150.00	± 2.5	5.60	50	298

Lateral alignment device: KA series

Technical specifications



Model	Handling Weight max. [kg]	X/Y-Alignment [mm]	Weight [kg]	Height [mm]	Diameter [mm]
KA-65	0.50	± 1.5	0.40	42	65
KA-80	1.00	± 2	0.55	42	79
KA-100	2.00	± 2	1.10	42	99
KA-125	5.00	± 3	2.20	50	125
KA-160	10.00	± 4	3.45	50	159
KA-200	40.00	± 12	8.40	65	198
KA-250	80.00	± 14	17.00	72	249
KA-300	250.00	± 25	48.00	96	300x300
KA-300-light	180.00	± 25	36.00	96	300x300
KA-300-S	800.00	± 25	52.00	106	300x300

Robots accessoires

Z-axis compliance device: ZN series

Technical specifications

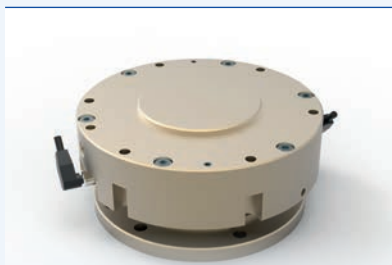


Model	Handling Weight max. [kg]	Misalignment capability in 2-axis direction [mm]	Spring force range [N]	Locking Force pneumatic [N]	Weight [kg]
ZN-50	1.00	8.00	10/20	-	0.19
ZN-80	2.00	8.00	20/40	150 ¹⁾	0.53
ZN-100	3.00	10.00	40/180	380 ¹⁾	1.00
ZN-125	8.00	12.00	200/300	600 ¹⁾	1.85
ZN-160	20.00	12.00	200/400	600 ¹⁾	3.40
ZN-200	40.00	12.00	400/1,000	1,700 ¹⁾	5.750
ZN-250	160.00	12.00	400/1,500	1,950 ¹⁾	12.20
ZN-300	300.00	12.00	400/2,000	2,200 ¹⁾	18.30

¹⁾ at 6 bar

Load limiter: ULS- / ULD series (without / with internal cable routing)

Technical specifications



Model	Handling Weight max. [kg]	Deflection in Z-Direction [mm]	Deflection in X/Y-Direction [degree]	Torsional Deflection [degree]	Weight [kg]
ULS-60	1.00 - 2.00	11.00	8	360	0.33
ULS-80	4.00	11.90	10	360	0.57
ULS-100	8.00	13.60	12	360	0.83
ULS-125	12.00	11.90	10	360	1.53
ULS-160	18.00 - 20.00	14.50	7	360	3.65
ULS-200	50.00 - 55.00	9.50	4	360	7.20
ULS-250	75.00 - 80.00	16.00	5	360	16.10
ULS-300	120.00	25.00	6	360	25.50
ULD-100	7.00 - 8.00	12.00	9	± 20	1.00
ULD-160	18.00 - 20.00	15.00	5	± 20	3.60
ULD-300	120.00	23.00	5	± 20	17.50



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