

HANDLING

Ridgid Vacuum Cups



VACUUM PADS

- Steel frame for lifting heavy loads (max. 2600 kg)
- Shape and dimension standard or on demand
- Seals adapted to all the surfaces till 200°C (metal sheet, stone, concrete, wood ...)

SAFETY VACUUM UNITS

- Totally safe vacuum generation
- Energy : electric or pneumatic (air saver)
- According to the normalisation PrEN13155

Safety for the vacuum pads

- Lifting capacity for each vacuum pad is indicated with safety factor 2 at -800mbar
- For swivelling or vertical lifting, to divide lifting capacity by 3
- Moulded seals very resistant to tearing
- Double lip = double tightness
- Stops inside to avoid deformation
- Foam gasket for rough surface

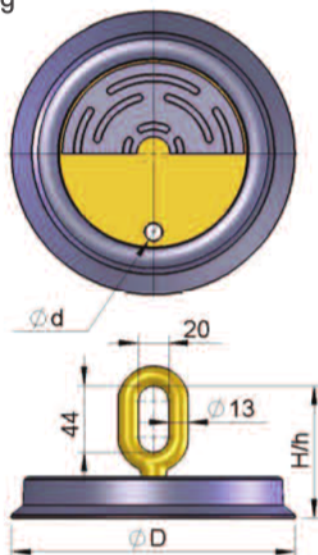
Safety for the vacuum units

- Non-return valve
- Vacuum tank
- Alarm for vacuum failure
- Alarm for energy supply failure
- Visual control
- Lifting authorization
- Bi-manual control panel

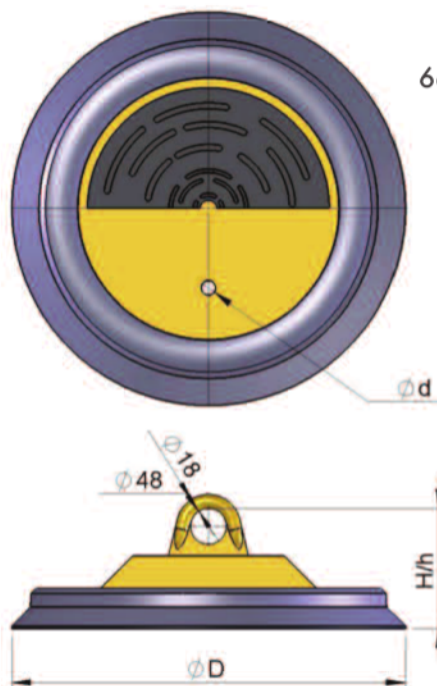


Round steel vacuum pad with moulded seal

80-400 kg



660-1300 kg



Force kg	Ø D	Ø d	H	h	Weight kg	Reference vacuum pad	Reference seal	Reference stop
80	190	1/4"	88,5	83	1,7	15.0060.16.xx00y	1J.0190.xx	1JB.0190.xx
160	260	1/4"	90	84,5	3,4	15.0120.16.xx00y	1J.0260.xx	1JB.0260.xx
260	320	3/8"	93	86	4,8	15.0200.16.xx00y	1J.0320.xx	1JB.0320.xx
400	440	1"	109	91	10,6	15.0300.16.xx00y	1J.0440.xx	1JB.0440.xx
660	520	1" 1/4"	156	138	18	15.0500.36.xx00y	1J.0520.xx	1JB.0520.xx
1300	715	1" 1/2"	165	141	50	15.1000.36.xx00y	1J.0715.xx	1JB.0715.xx

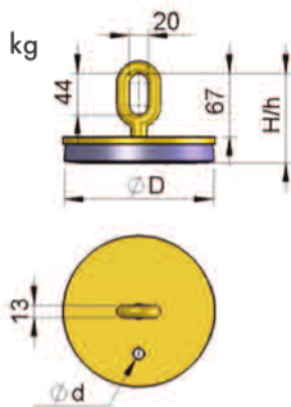
xx	Material
10	Silicone
20	Nitrite

y	Stop
0	Without
1	With

Advices for use : slick surfaces – horizontal and vertical lifting

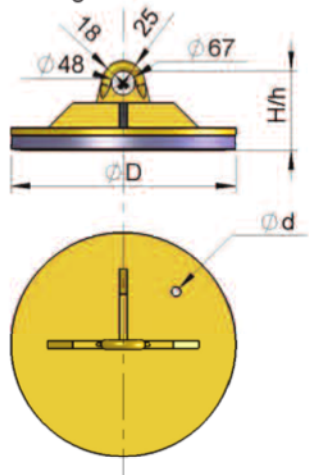
Round steel vacuum pad with foam gasket

33-533 kg



667-1333 kg

1667-2667 kg



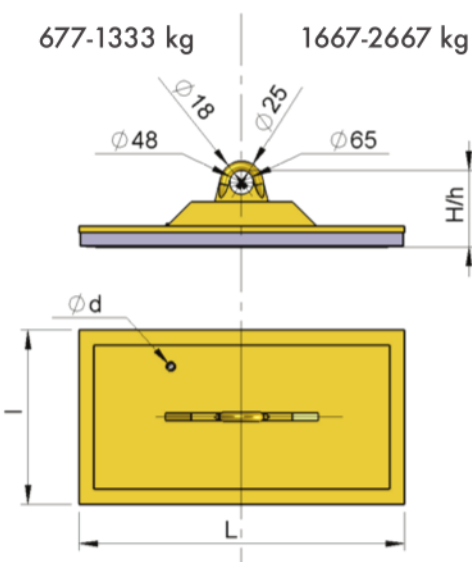
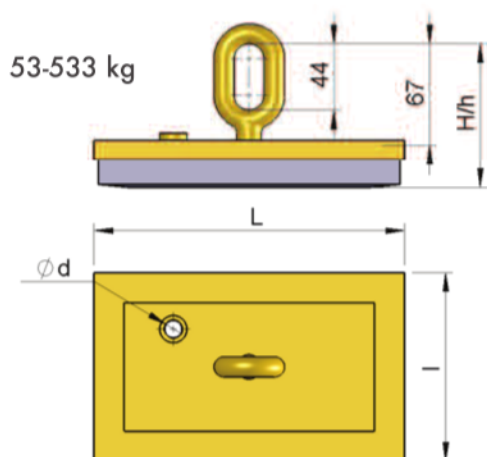
Force kg	Ø D	Ø d	H	h	Gasket/ length	Weight kg	Reference
33	153	1/4"	94	84	NM20T/500	1,5	10.0025.16.NM210
40	163	1/4"	94	84	NM20T/600	1,7	10.0030.16.NM210
53	180	1/4"	94	84	NM20T/600	2	10.0040.16.NM210
67	195	1/4"	94	84	NM20T/700	2,3	10.0050.16.NM210
80	210	1/4"	94	84	NM20T/700	2,7	10.0060.16.NM210
107	235	1/4"	94	84	NM20T/800	3,3	10.0080.16.NM210
133	255	1/4"	94	84	NM20T/900	3,9	10.0100.16.NM210
167	280	1/4"	94	84	NM20T/1000	4,7	10.0125.16.NM210
200	320	3/8"	104	89	NM30T/1100	6	10.0150.16.NM310
267	360	3/8"	104	89	NM30T/1200	8,5	10.0200.16.NM310
333	395	3/8"	104	89	NM30T/1300	9,2	10.0250.16.NM310
400	425	3/8"	104	89	NM30T/1400	10,6	10.0300.16.NM310
533	480	3/8"	104	89	NM30T/1600	13,6	10.0400.16.NM310
667	530	3/8"	151	136	NM30T/1800	18	10.0500.36.NM310
800	575	3/8"	151	136	NM30T/1900	21	10.0600.36.NM310
1000	680	1/2"	177	152	NM50T/2200	43	10.0750.36.NM510
1333	765	1/2"	177	152	NM50T/2500	54	10.1000.36.NM510
1667	840	1/2"	216	191	NM50T/2800	80	10.1250.36.NM510
2000	910	1/2"	216	191	NM50T/3000	93	10.1500.36.NM510
2337	975	1/2"	216	191	NM50T/3200	105	10.1750.36.NM510
2667	1035	1/2"	216	191	NM50T/3400	118	10.2000.36.NM510

Advices for use : rough surfaces – horizontal lifting



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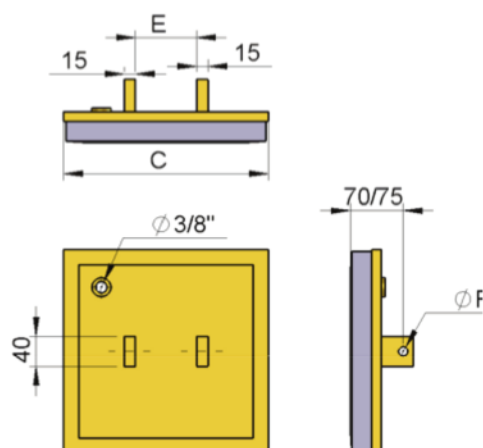
Rectangular steel vacuum pad with foam gasket



Force kg	L	I	ϕd	H	h	Gasket/ length	Weight kg	Reference
53	205	125	1/4"	97	87	NM20T/800	2,4	11.0040.16.NM210
67	225	135	1/4"	97	87	NM20T/800	2,8	11.0050.16.NM210
80	245	145	1/4"	97	87	NM20T/900	3,3	11.0060.16.NM210
107	275	160	1/4"	97	87	NM20T/1000	3,9	11.0080.16.NM210
133	300	175	1/4"	97	87	NM20T/1000	4,6	11.0100.16.NM210
167	330	190	1/4"	97	87	NM20T/1100	5,5	11.0125.16.NM210
200	385	225	3/8"	107	92	NM30T/1300	7,5	11.0150.16.NM310
267	435	250	3/8"	107	92	NM30T/1500	9,3	11.0200.16.NM310
333	475	270	3/8"	107	92	NM30T/1600	10,9	11.0250.16.NM310
400	515	290	3/8"	107	92	NM30T/1700	12,6	11.0300.16.NM310
533	585	325	3/8"	107	92	NM30T/1900	15,9	11.0400.16.NM310
667	645	355	3/8"	154	139	NM30T/2100	20,3	11.0500.36.NM310
800	695	380	3/8"	154	139	NM30T/2200	23,1	11.0600.36.NM310
1000	820	465	1/2"	180	155	NM50T/2700	49	11.0750.36.NM510
1333	930	520	1/2"	180	155	NM50T/3000	61	11.1000.36.NM510
1667	1030	570	1/2"	219	194	NM50T/3300	88	11.1250.36.NM510
2000	1110	610	1/2"	219	194	NM50T/3600	100	11.1500.36.NM510
2333	1190	650	1/2"	219	194	NM50T/3800	113	11.1750.36.NM510
2667	1270	690	1/2"	219	194	NM50T/4100	126	11.2000.36.NM510

Advices for use : rough surfaces – horizontal lifting

Square steel vacuum pad with foam gasket



Force kg	C	E	ϕF	Gasket/ length	Weight kg	Reference
160	270	80	12	NM30T/1200	7,3	13.0040.26.NM310
240	315	80	12	NM30T/1300	9,6	13.0060.26.NM310
320	353	80	12	NM30T/1500	11,7	13.0080.26.NM310
400	386	80	12	NM30T/1600	13,8	13.0100.26.NM310
500	424	120	16	NM30T/1800	16,4	13.0125.26.NM310
600	458	120	16	NM30T/1900	18,8	13.0150.26.NM310
800	518	120	16	NM30T/2200	23,7	13.0200.26.NM310
1000	570	120	16	NM30T/2400	28,4	13.0250.26.NM310

Advices for use : rough surfaces – horizontal and vertical lifting